



GRIFFIN

GROWER SUPPLIES

2025 CATALOG

YOUR SINGLE SOURCE SUPPLIER FOR ALL HORTICULTURAL NEEDS

Plants & Seed | Grower Supplies | Retail | CEA | Construction

ABOUT GRIFFIN

Griffin is a partner to horticulture professionals. Family owned and operated since 1947, we apply our knowledge, experience and resources to enhance customer success from production to retail.

End-to-end solutions are our specialty. We represent the industry's leading breeders and producers, spanning seed and vegetative, bedding and potted crops, ornamentals and edibles. Our grower supplies offer includes reliable inputs and equipment to help your crops thrive through all production stages. Finally, our quality retail products drive add-on sales for you, while enhancing consumer success and enjoyment.

To learn more about our company, we invite you to visit us online at www.griffins.com, follow us on LinkedIn, Instagram and Facebook.

A LEGACY OF QUALITY AND SERVICE

Charlie Griffin founded his namesake company in 1947 with a simple vision: To maximize products and service for his customers. Originally headquartered in Reading, Mass., his was a one-man operation with a limited offering, delivering supplies to growers in the local community.

Ken Hyslip, Sr. first became an employee of Griffin Greenhouse Supplies in 1952, as a truck driver at the age of 17. At the time, Griffin operated from a single location with no more than five employees. He went on to buy the business from the Griffin family in 1968. Under his leadership, Griffin grew steadily across the East Coast.

Today, Griffin thrives among horticulture's premier distributors, serving growers and retailers nationwide. Under the leadership of the Hyslip family, the business has earned a reputation for operational excellence, quality products, and first-class customer service.

We know you have many choices among supplier partners, and we sincerely thank you for your business. We look forward to serving you in the season ahead.

GRIFFIN IS COMMITTED TO EXCEPTIONAL CUSTOMER SERVICE

Our goal is simple: To meet your needs and exceed your expectations. From the time you place your order until it's delivered to your location, our team works to treat you with the utmost care every step of the way.

We strive to deliver every order on time and in full. We'll contact you 24 hours before your delivery date to ensure you're ready for the product. If we're unable to honor a delivery date, we'll notify you in advance and make every effort to reschedule at a time that's convenient for you. In the event of any issue, we're dedicated to working with you and our suppliers as needed to find a swift resolution.

Your opinion matters to us! Customer feedback is key to helping our team deliver on our service pledge. Please don't hesitate to contact me directly – by phone or e-mail – with any questions or input that may help us serve you better.

Dan Lowery | Corporate Customer Service Manager | 800.888.0054 x81404 | dlowery@griffinmail.com



GRIFFIN LOCATIONS

*Fifteen Distribution Centers
Throughout the United States*

TO PLACE AN ORDER

Online: www.griffins.com

Phone: 1.800.888.0054

Grower / Retail Fax: 1.877.636.3623

E-mail: orders@griffinmail.com

GENERAL QUESTIONS

1.800.888.0054

OFFICE HOURS

Our office is open for normal business
and telephone service from 8:00 AM to
5:00 PM, Monday through Friday.

WAREHOUSES

Hours for pick-up orders and counter
sales are 8:00AM to 5:00PM, local time,
Monday through Friday.

BRANCH LOCATIONS

5303 Havana St, Suite 120
Denver, CO 80239

1240 B Hwy 77
Bridgeton, NJ 08302

20 Grandview Ct
Cheshire, CT 06410

1 Ellis Dr
Auburn, NY 13021

10 Middle River Drive
Stafford Springs, CT 06076

2165 Montauk Hwy
Brookhaven, NY 11719

111 Bluffs Court, Suite A
Canton, GA 30114

126 Van Guysling Ave
Schenectady, NY 12305

2143 Internationale Parkway
Suite 400, Woodridge, IL
60517

28214 Glenwood Rd.
Perrysburg, OH

1619 Main St
Tewksbury, MA 01876

58 S.E. 223rd Ave.,
Gresham, OR 97030

50 W Gray Rd
Gray, ME 04039

200 Mountain View Rd
Morgantown, PA 19543

5612 Pride Rd
Richmond, VA 23224







PRODUCTION SUPPLIES

Griffin's roots are in production supplies, and they remain the backbone of our company today. We're proud to offer reliable inputs and equipment to help your crops thrive through all growing stages. Look to us for containers, growing media, chemistry and more from the manufacturers you know and trust. With the increasing demand for more efficient and environmentally friendly methods of growing food crops, we now specialize in Controlled Environment Agriculture for food and cannabis. Our 14 branch locations service customers nationwide with convenience and efficiency. Shop all of our grower products and place your order with your Griffin sales representative or on www.griffins.com.

RETAIL SOLUTIONS

Griffin is the independent retailer's best source for lawn & garden products. We make it easy for IGCs to do business, with complete vendor offerings, low order minimums and efficient shipping solutions. Raise your retail game with help from our experts! Count on us for seasonal promotion ideas, merchandising best practices and space-planning tips to maximize your display areas and drive sales. Shop all of our retail products and place your order with your Griffin sales representative or on www.griffins.com.

GREEN GOODS

Griffin is a full-service broker of live goods to professional growers. Our assortment includes seed and vegetative material, bedding and potted crops, ornamentals and edibles from the industry's most respected breeders and producers. We're uniquely committed to the seed business, stocking more than 3,300 variety/product-form combinations in our state-of-the-art seed operations facility. Count on us for annuals, perennials, grasses, herbs and vegetables. We're serious about seed quality: Inventory monitoring and regular performance testing ensure every variety meets its full potential, from the greenhouse to the garden center. Browse our complete portfolio and book your product selections through your Griffin sales representative or on www.griffins.com.

TECHNICAL SUPPORT

GGSPRO is our in-house technical services team. With more than a century of combined experience, GGSPRO delivers prompt, practical and accurate support to Griffin customers nationwide. The team's areas of expertise include: Crop culture, sanitation protocols, plant physiology and pathology, chemical controls, biological control agents (BCAs), and plant nutrition. GGSPRO endorses a holistic approach to plant protection, utilizing a mix of cultural practices alongside chemical and biological controls to manage pests and diseases. Visit www.griffins.com/ggspro or contact GGSPRO at **1.800.888.0054**.

CONSTRUCTION SERVICES

Our construction team assists with all aspects of greenhouse planning, construction and maintenance. Whether it's a new operation or expansion, upgrades or replacements, we can help with options to meet your needs and fit your budget. We offer a full range of equipment to help you grow efficiently and profitably. Look to us for greenhouse structures, films and coverings, lighting, climate control, irrigation, carts and more. Visit us at www.griffins.com/construction to learn more about our product portfolio, see our project showcase, and submit a request for a free quotation.

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CONNECT *with us*

SOCIAL MEDIA

Add us to your social network! For news on products, events and more, follow us on LinkedIn and like us on Facebook. Simply log on and search "Griffin Greenhouse Supplies." Also follow us on Instagram. Log on and search "Griffin Greenhouse".



GRIFFIN GAZETTE

Published especially for top customers, the Griffin Gazette is loaded with news you can really use. Our team serves up timely production advice, retail inspiration, and product and variety information to help you bring your best crop to market.

Check out the digital Gazette! Visit www.griffins.com/publications to browse the Gazette archives.



E-MAIL PROGRAMS

We offer several topical e-mail programs for growers and retailers. Tailor your subscriptions to meet your unique needs and interests, from technical tips to product specials and much more. Visit www.griffins.com to subscribe or update your preferences.

GRIFFIN CATALOGS

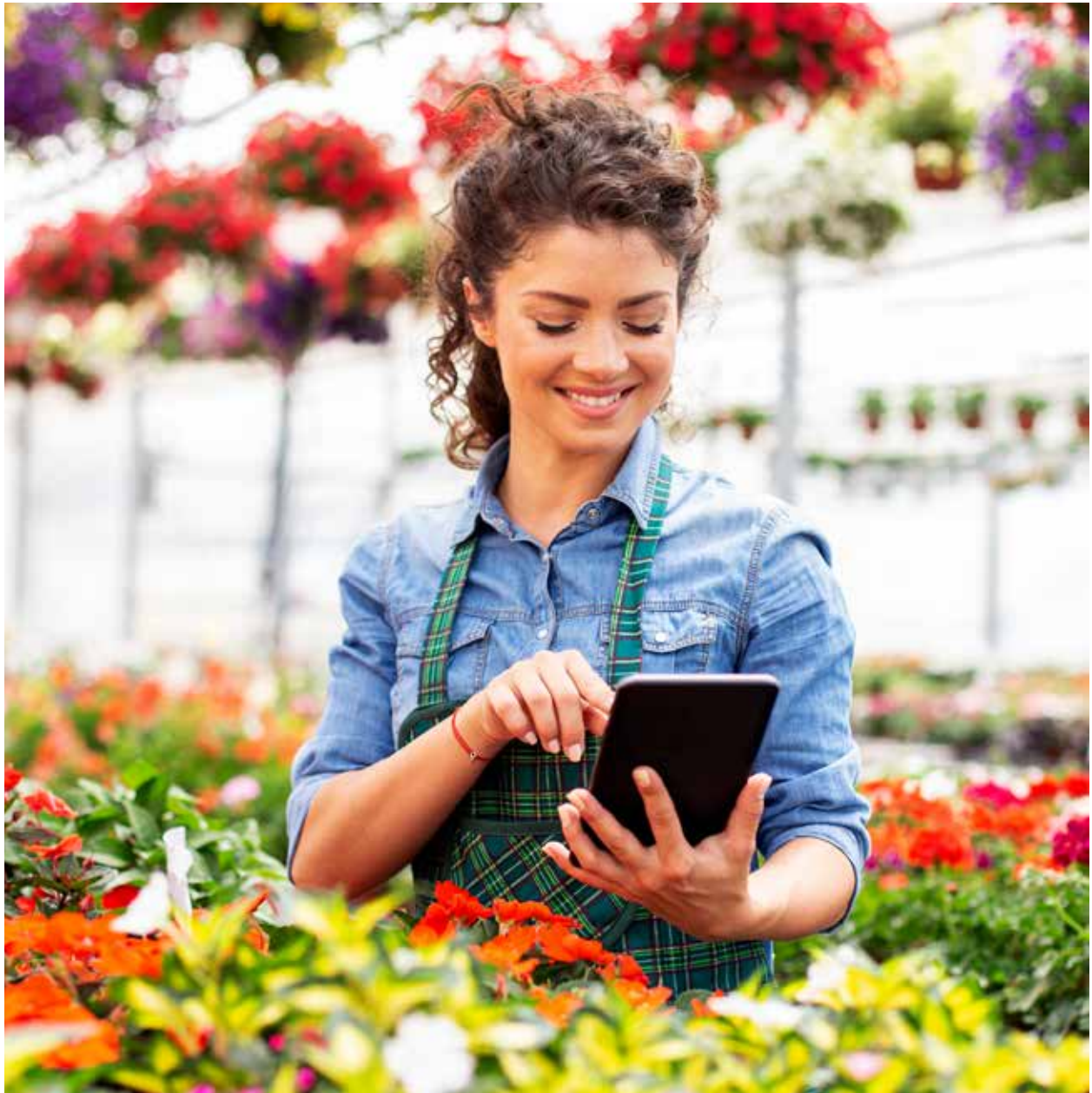
From production to point-of-sale, we've got you covered! Our Grower Supplies, Seed & Plant, CEA and Retail catalogs feature must-have inputs from quality manufacturers, breeders and producers.

Contact your Griffin sales representative to request our catalogs, or check out our convenient and portable digital editions at www.griffins.com/publications.



SOURCING HAS NEVER BEEN THIS SIMPLE

One login connects you to the industry's broadest selection of products for growers and independent retailers:



- Green goods including seed, cuttings and young plants
- Production supplies including containers, growing media and plant protection products
- Greenhouse structures and equipment
- Retail supplies including lawn & garden products, accessories and gift items

Place your order today: **www.griffins.com**



CHECK OUT OUR
CLEARANCE ITEMS!



GriffinExpo

SAVE THE DATE



WEST EXPO

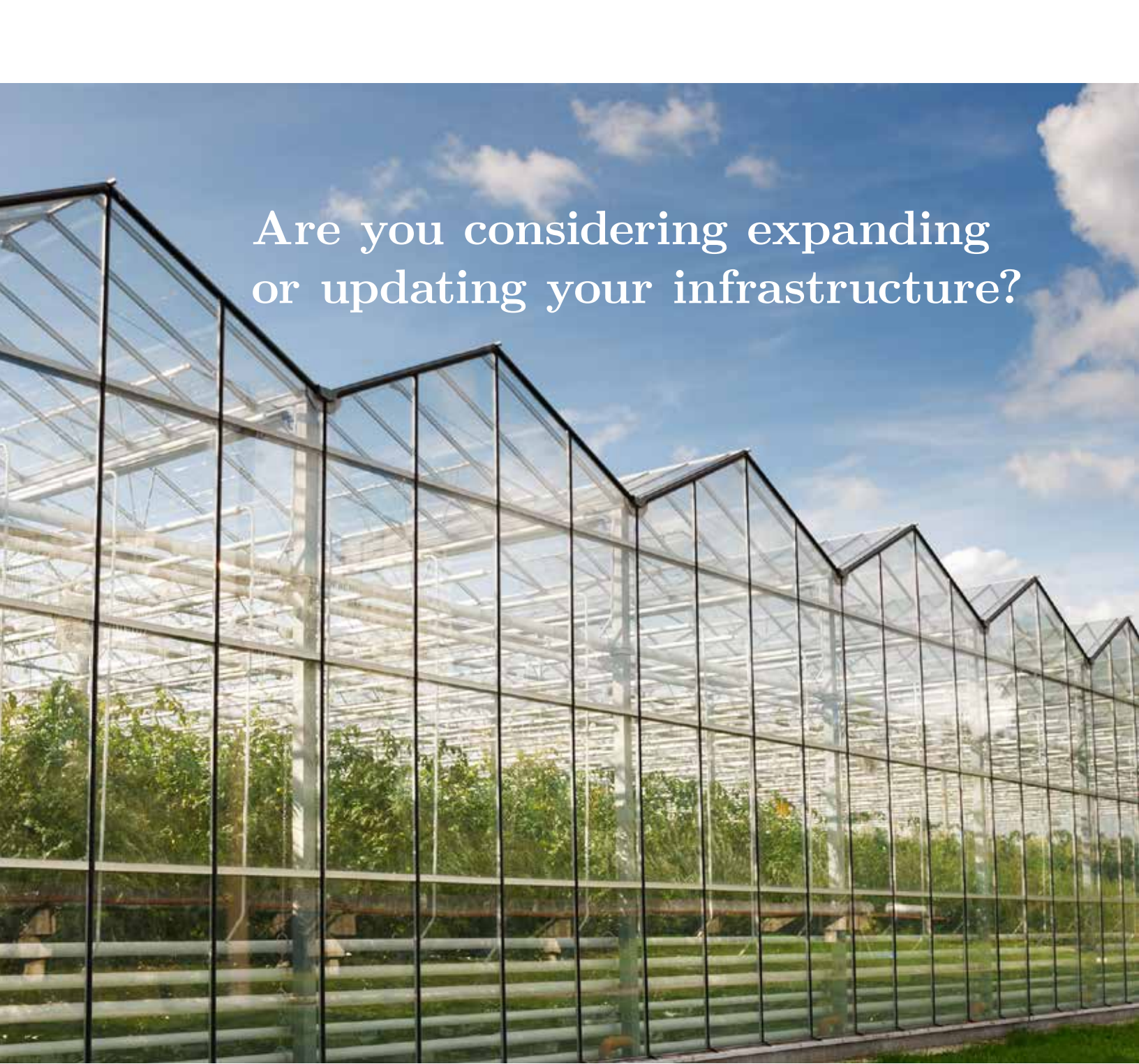
August 27-28, 2025
Grand Sierra Resort Reno, NV

EAST EXPO

September 4, 2025
Lancaster Marriott at Penn Square, Lancaster, PA

GREENHOUSES





Are you considering expanding
or updating your infrastructure?

Griffin's Construction Division guides our customers through technical sales.

Our Specificities Include:

Greenhouses & Structures, Coverings, Air Circulation, Heating & Cooling Systems, Environmental Controls, Vents and Curtains, Shade Systems, Production Lines, Lighting, Irrigation, Benching & Carts.

Our consultations focus on matching your facility upgrades to your organization's short term and long term goals. Partner with us on your next project.





AS A FAMILY-OWNED SINGLE SOURCE SUPPLIER, PLANNING A GREENHOUSE BECOMES EASY

Here is your step by step checklist

- ☐ **STEP 1**
Do you need stamped engineered drawings for wind and snow loads?
Stamped engineered drawing are required when applying for building / occupancy permits. Check with your municipal or county government to ask if this applies to your project.
- ☐ **STEP 2**
Decide on the Builder for Your Greenhouse
- ☐ **STEP 3**
Choose the Greenhouse Style/Frame (pg. 14-30)
- ☐ **STEP 4**
Types of Coverings (pg. 31-54)
- ☐ **STEP 5**
Doors and Hardware (pg. 53)
- ☐ **STEP 6**
Cooling & Ventilation Systems (pg. 56-62)
- ☐ **STEP 7**
Heating Systems (pg. 63-66)
- ☐ **STEP 8**
Environmental Controls (pg. 67-72)
- ☐ **STEP 9**
Benching (pg. 83-92)
- ☐ **STEP 10**
Call Griffin's Construction experts for a complimentary consultation. A written proposal and quote will be shared with you after the call. 800.888.0054 then press 3.
- ☐ **STEP 11**
Reminder: All Griffin customers have access to GGSPro Tech Experts to keep your crops thriving.



Why choose a Gothic Style Greenhouse over a Quonset Hoop House?

Better Light Transmission:

The steep roof angle allows for more light waves to enter the greenhouse and results in a more uniform crop.

Ideal for Natural Ventilation:

The ridge angle is better for connecting mid roof vents than a Quonset hoop house.

More Head Room:

Gothic style greenhouses offer more head room at the side wall compared to a Quonset hoop house.

In Case of Heavy Snow:

Gothic style greenhouses were originally designed to prevent snow from accumulating on top of the structure.

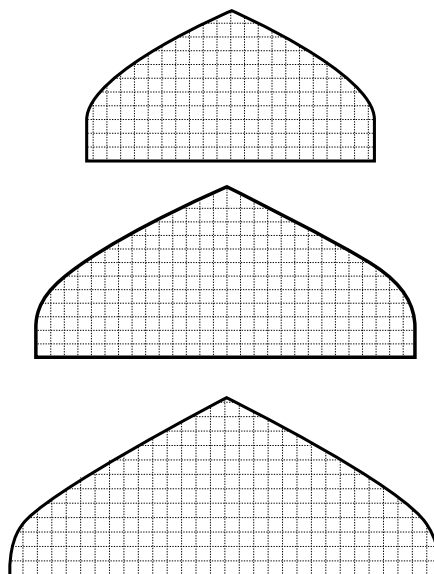


Griffin Construction Department

Partner with us on your next project.

Call for consultation and quote:

1.800.888.0054 then press 3.

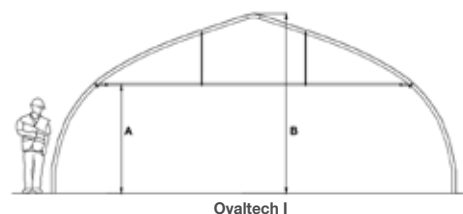


Ovaltech: Ground-to-Ground

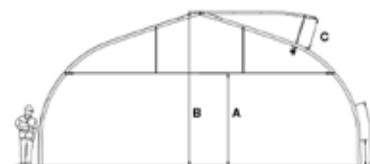
The popularity of the Ovaltech testifies to its versatility and durability. It has become the standard in terms of wind and snow resistance. Its efficient design lets abundant light in, which promotes uniform crop growth across the greenhouse. Furthermore, it is engineered to enhance natural ventilation, creating a favorable environment for healthy crops while saving energy. **Stamped engineered drawings are available upon request.**

Griffin's #1 Selling Greenhouse

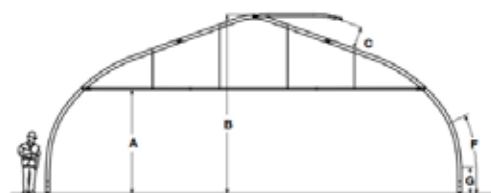
Ovaltech IV



Ovaltech I



Ovaltech III



Ovaltech IV

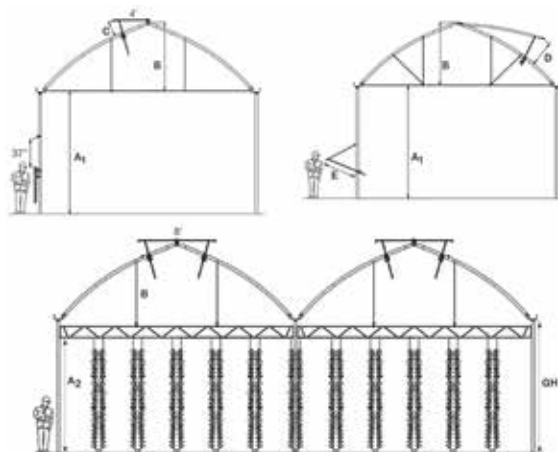
| | Ovaltech I | | | Ovaltech III | | | | Ovaltech IV | | | | | |
|--------------------|------------------|-----|-------------|--------------|--------------|--------|--------------|------------------|--------------|--------|------------|----------------|-----|
| Width | 20' | 25' | 27' | 25' | 30' | 32' | 35' | 25' | 30' | 32' | 35' | 42' | |
| Arch spacing | 5' | | | 6' | 3' - 5' - 6' | | 3' - 5' - 6' | 5' - 6' | 6' | 6' | 6' | 3', 4', 5', 6' | |
| Inside clearance A | 6'9" | | | 9'-1" | | | | 9'-1" | | | 10" | | |
| Total height B | 11'-2" | | 11'- 6-3/8" | 14'-1" | 14'-11" | 15'-2" | 15'-9" | 14'-1-3/16" | 14'-10-5/16" | 15'-2" | 16'-7" | 17'6" | |
| Tubing Dimensions | 1- 5/8" x 2-3/4" | | | 2" x 3-9/16" | | | | 2 3/4" x 4 5/16" | | | | | |
| Mid roof vent C | - | | | - | 37" | | | - | 29" | 33" | 27" | 42' | 33" |
| Roll up Vent F | - | | | 72" - 84" | | | | 72" - 84" | | | 84" - 120" | | |
| Skirt G | - | | | 24" - 30" | | | | 24" - 30" | | | | | |





Luminosa: Gutter Connected

Available in different widths. Models 21'-4", 26'-3", 30', 31'-6" and 36' are optimized for vine crops, laid out according to European (metric) best practices, with rows spaced every 5 or 6 ft. These models are the best choice for tomatoes, cucumbers or peppers as they optimize the greenhouse space and enhance the profitability of the operation. Stamped engineered drawing are available upon request.



2025

| Models | Series 8 | | | | Series 9 | | | Series 11 |
|----------------------------------|---|-----------|-----------|---------|-----------|-----------|---------|-------------------------------------|
| Width | 21'-4" | 24' | 25' | 26'-3" | 28' | 30' | 31'-6" | 36' |
| Height under gutter GH | 12' 14' 16' 18' 6m | | | | | | | |
| Inside clearance (with tube) A1 | arch 1-5/8" x 2-3/4" = GH + 3" | | | | | | | |
| | arch 2" x 3-9/16" = GH + 1-5/8" | | | | | | | arch 2" x 3-9/16" = GH + 1-5/8" |
| | arch 2-3/4" x 4-5/16" = GH + 1-3/8" | | | | | | | arch 2-3/4" x 4-5/16" = GH + 1-3/8" |
| Inside clearance (with truss) A2 | GH -23" (15" truss) | | | | | | | GH - 29-3/4" (22" truss) |
| | GH- 27-7/16" (20" truss) | | | | | | | GH - 38-3/4" (31" truss) |
| Height of gable B | 7'-8-1/2" | 8'-3-1/2" | 8'-6-1/4" | 8'-9" | 9'-3-1/2" | 9'-8-1/2" | 10' | 10'-3-5/8" |
| Dimension of arch tubing | 1-5/8" x 2-3/4" or 2" x 3-9/16" or 2-3/4" x 4-5/16" | | | | | | | 2-3/4" x 4-5/16" |
| Dimension of Vents | | | | | | | | |
| Roof vent (opening) C | 36" | 35" | 34-1/2" | | | | | |
| Simple 4', double 8' | | | | | | | | |
| Mid-roof vent D | 38-1/2" | 37-5/8" | 37-3/8" | 50-5/8" | 49-1/4" | 48-3/4" | 48-1/2" | 60-3/8" |
| Side panel (opening) E | 39-1/2" | | | | | | | |
| Guillottinie panel (opening) F | 37" | | | | | | | |





Cold Frame & TunnelPro™

Tunnels Greenhouses

Three-season greenhouses that offer several economic advantages for producers.

This range includes two models:

Cold frame

- Designed for three-season use;
- Offers an ideal environment for the hardening of perennials and shrubs
- De-clutter main production greenhouses, especially when plants are awaiting shipment
- Provide a protected area to allow the plants to reach the optimal size

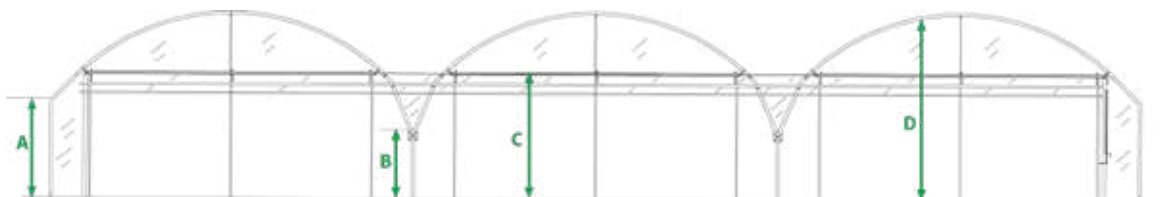
TunnelPro™

- Structure is manufactured using pregalvanized, oval tubing made of structural steel for years of corrosion protection
- Fast and easy assembly
- Built-in stop mechanism hand cranks for work crew safety
- Screw-type anchors installed below frost to ensure stability and provide superior uplift resistance
- Covering is secured with durable 1" wide, UV stabilized nylon straps that are stronger than rope and will not cut through the poly



TunnelPro™

| Widths | 28' | | 30' | | 31' | |
|------------------------|------|------|------|------|------|------|
| Arch spacing | 10' | 12** | 10' | 12** | 10' | 12' |
| Side vent height (A) | 84" | 60" | 84" | 60" | 84" | 60" |
| Leg height (B) | 63" | 39" | 63" | 39" | 63" | 39" |
| Clearance (inside) (C) | 114" | 90" | 126" | 102" | 130" | 108" |





Gothic Gutter Connected

Standard Widths: 21', 24', 42', 48'
Custom widths available

Gutter Height Available: 12' – 24'

Available Roof & Wall Coverings:

Inflated Double Poly
8mm or 16mm Acrylic
8mm or 16mm PCSS
Insulated Metal Panels

Double-Poly Roof Venting Options:

Closed, non-vented roof
Gutter vent
Raised vent

Roof Venting Options with Acrylic or PCSS:

Closed, non-vented roof
Double Ridge Vent

Wall Ventilation Options:

Awning vent
Guillotine vent
Mechanical ventilation (fans & intake louvres)

Venlo Glass Greenhouses & Service Buildings

Standard Widths:

Roof peaks of 3.2m & 4m
Multiples up to 19.2m

Standard Height: 4m – 7m

Coverings:

Clear glass
Diffused glass
Insulated Metal Panels



Freestanding Greenhouses (Ground to Ground)

Standard Gothic Style Widths: 21', 24', 30', 40'

Standard Cold Frame Style: 18', 20'

Available Covering Materials:

Single or double poly
Vinyl
White nursery film
8mm PCSS

Standard Arch Spacing: 4', 5', 6'

Straight Sidewalls

Ventilation options:

Roll-up side walls (manual or motorized)
Ridge vent (manual or motorized)
Mechanical ventilation (fans & intake louvres)



Westland

Screen Systems



Screen Systems

- Energy-saving screens
- Flame-retardant treated materials
- Shade screens
- Blackout screens
- Light abatement screens
- Vertical screens

Energy Screen Systems

- Energy savings of up to 47% with a single-layer screen system
- Cooling in hot weather and reduced fuel costs in cold weather
- Improved light penetration for crop health with high diffusion screens
- Enhanced environmental and working conditions
- Shade values from 8% to 15%
- Humidity and condensation control

Shade Screen Systems

- Energy savings of up to 47% with a single-layer screen system
- Cooling in hot weather and reduced fuel costs in cold weather
- Improved light penetration for crop health with high diffusion screens
- Enhanced environmental and working conditions
- Shade values from 20% to 85%
- Humidity and condensation control
- Flame-retardant treated materials
- Closed and open-weave fabrics are available

Blackout Screen Systems

- Energy savings of up to 78% with a single-layer screen system
- Reduced fuel costs in cold weather
- Enhanced environmental and photoperiod control
- Double-layer fabrics with shade values up to 99.99%
- Humidity and condensation control
- Flame-retardant treated materials

Light Abatement Screens

- Energy savings of up to 50% with a single-layer screen system
- Reduced fuel costs in cold weather
- Compliant with current light pollution bylaws
- Single-layer fabrics with shade values up to 99%
- Humidity and condensation control
- Flame-retardant treated materials

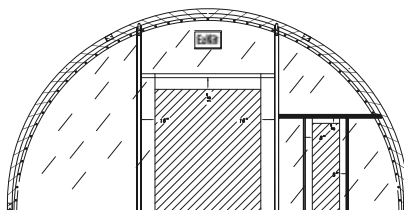
Vertical Screen Systems

- Suitable for all perimeter and interior walls
- Enhances environmental control & energy savings of top screen systems
- Allows for complete light deprivation or abatement
- Screens are available for energy-saving, shade, and blackout
- Humidity and condensation control
- Flame-retardant treated materials

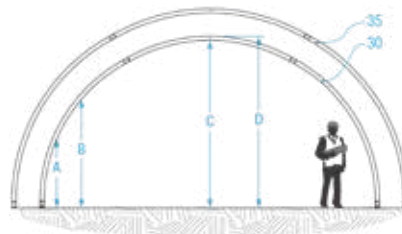


EzKit

Elevate your production site with the EZkit by Harnois, an economical yet quality storage that's easy to assemble. Upgrade your temporary storage with the customizable end walls and sunlight-permeable membrane. It is delivered as a complete kit, with a reliable 10-5 year warranty.



End wall easy to customize



Interior clearance : Maximize storage space

| | 30' | 35' |
|-------------------|------------|------------|
| Available lengths | 40' or 64' | 40' or 64' |
| Spacing of arches | Every 4' | Every 4' |
| A (2') | 7' 7" | 7' 6" |
| B (4') | 10' 3" | 10' 5" |
| C | 14' 11" | 16' 8" |
| D | 15' 2" | 16' 11" |

End walls customized according to your needs

- Open ends, closed ends, closed ends with door opening
- Necessary hardware included
- Two ventilation windows included

| | 30' | 35' |
|------------------------------|------------|------------|
| Opening width | 10' | 12' |
| Opening height | 10' or 12' | 12' or 14' |
| Door height on 2' foundation | 14' | 16' |

Steel structure: 2" x 3-9/16" oval tubing

- Galvanized for corrosion resistance
- Spacing of arches: every 4'
- The sill plate helps to ensure a better quality of installation
- The EXKit shelter can be installed on the ground, on a concrete foundation, or on concrete blocks (anchoring included).

Roof membrane

- Translucent membrane
- PowerShield membrane 12 oz/sq. yd., 23 mil thickness

Warranty

- 10-year limited warranty against manufacturing defects of the steel structure
- 5-year limited warranty against manufacturing defects in the tarp covering



Northern-Star Series | Gothic Style Greenhouses

| Size | Pipe O.D. | Wall Thickness | Height 1' from side | Height 2' from side | Height 3' from side | Height 4' from side | Ridge Height | Poly Width |
|------|-----------|----------------|---------------------|---------------------|---------------------|---------------------|--------------|------------|
| 17' | 1.660" | .083" | 4' 8" | 5' 9" | 6' 5" | 6' 11" | 10' 3" | 28' |
| 21' | 1.660" | .083" | 4' 10" | 5' 11" | 6' 7" | 7' 2" | 10' 11" | 36' |
| 25' | 1.660" | .083" | 5' 0" | 6' 0" | 6' 9" | 7' 4" | 12' 3" | 40' |
| 25' | 1.900" | .095" | 5' 0" | 6' 0" | 6' 9" | 7' 4" | 12' 3" | 40' |
| 28' | 1.900" | .095" | 4' 9" | 5' 8" | 6' 4" | 6' 11" | 12' 1" | 44' |
| 30' | 1.900" | .095" | 4' 6" | 5' 6" | 6' 3" | 6' 9" | 12' 3" | 44' |
| 34' | 1.900" | .095" | 4' 4" | 5' 5" | 6' 2" | 6' 7" | 12' 10" | 48' |

All measurements are with standard posts 1' out of the ground.

- 1.660" O.D. 14 gauge Galvanized Pipe, .083 wall thickness, both rafters and posts, on the 25' model only
- 1.900" O.D. 13 gauge Galvanized Pipe, .095" wall thickness, on both rafters and posts on 28', 30' & 34' models
- 4' Rafter spacing (standard)
- Hardware for assembly and bolts for baseboards
- Gable frame brackets are standard on all models
- Gable end wind bracing included on all models
- 1 Ridge, pre-drilled 4' on center, included on all models
- 2 Purlins included on 21', 25', 28' & 30' models
- Cross-ties and four purlins included on the 34' model
- Can accept polyethylene or polycarbonate covering with the purchase of additional parts

Solar-Star Series | Quonset Style Greenhouses

| Size | Pipe O.D. | Wall Thickness | Height 1' from side | Height 2' from side | Height 3' from side | Height 4' from side | Ridge Height | Poly Width |
|------|-----------|----------------|---------------------|---------------------|---------------------|---------------------|--------------|------------|
| 17' | 1.660" | .083" | 4' 4" | 5' 4" | 5' 11" | 6' 5" | 7' 3" | 28' |
| 20' | 1.660" | .083" | 5' 1" | 6' 4" | 7' 1" | 7' 9" | 10' 1" | 36' |
| 22' | 1.660" | .083" | 4' 4" | 5' 3" | 6' 1" | 6' 8" | 9' 4" | 36' |
| 26' | 1.660" | .083" | 4' 10" | 5' 11" | 6' 9" | 7' 6" | 11' 2" | 40' |

All measurements are with standard posts 1' out of the ground.

- 1.660" O.D. 14 gauge Galvanized Pipe, .083" wall thickness, on both rafters and posts
- 4' Rafter spacing (standard)
- Hardware for assembly and bolts for baseboards are included
- Gable frame brackets are standard on all models
- 1 Ridge, pre-drilled 4' on center, included on all models
- 2 Purlins included on the 20', 22' & 26' models
- Gable end wind bracing included on the 20', 22' & 26' models

Solar-Mate Series | Quonset Style Greenhouses

| Size | Pipe O.D. | Wall Thickness | Height 1' from side | Height 2' from side | Height 3' from side | Height 4' from side | Ridge Height | Poly Width |
|------|-----------|----------------|---------------------|---------------------|---------------------|---------------------|--------------|------------|
| 12' | 1.315" | .058" | 4' 7" | 5' 11" | 6' 10" | 7' 8" | 8' 5" | 24' |
| 14' | 1.315" | .058" | 4' 3" | 5' 3" | 5' 11" | 6' 5" | 7' 2" | 24' |
| 17' | 1.315" | .058" | 3' 6" | 4' 10" | 5' 10" | 6' 6" | 7' 2" | 28' |

All measurements are with standard posts 1' out of the ground.

- 12', 14' & 17' models feature 1.315" O.D x .058" Wall, 17 gauge galvanized pipe rafters and 1.660" O.D. x .083" Wall, 14 gauge galvanized pipe posts
- Standard 4' rafter spacing on all models
- Includes ridge, pre-drilled 4' on center
- All models include gable frame brackets





Free-Standing Greenhouses

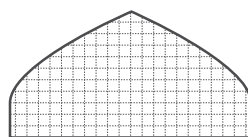
Features:

- Quality American-made parts
- Prefabricated parts and simple design for easy installation
- All load bearing pipe has a minimum yield strength of 50,000 PSI
- 4' bow spacing eliminates pocketing
- Maximum light transmission
- Designed for any covering:
Poly or Polycarbonate Structured Sheet

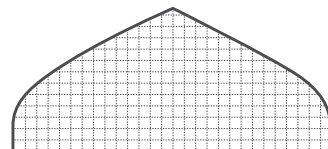


Metal Ends & Doors

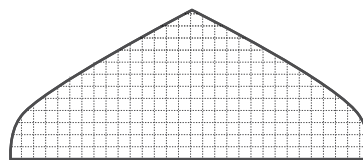
Our metal endwalls are custom designed to meet your specifications. Packages include studs, purlins, glazing bars and all hardware required for your choice of covering. A complete line of welded, steel and aluminum constructed greenhouse doors are available, which can be mounted on hinges or sliding tracks.



21' wide



26' wide



30' wide*

Free-standing gothic greenhouse with a steeply pitched roof designed to invite in the sunlight. Constructed of heavy duty tubing, the gothic shape is ideal for incorporating roof vents for passive ventilation. It is an economical greenhouse for the grower in a lighter snow area.

These greenhouses are in keeping with new gothic styles without losing the high quality you have come to expect.

This design incorporates appropriately sized rafter bows that allow more light to reach plants, providing a better growing environment. These houses are the choice if you are producing seasonal plants or overwintering perennial or nursery material.

The result is a freestanding greenhouse that can withstand the elements; a time-tested greenhouse you can rely on.

Shipped direct from factory.
Freight to be added. Call for pricing.



Griffin Construction Department

Partner with us on your next project.
Call for consultation and quote:
1.800.888.0054 then press 3.





Conley's Superstar Series 3600

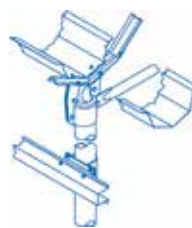
Outstanding Features

- Economy, Value & Strength
- Superior strength: rollformed arches, purlins and gutters ensure unmatched structural integrity
- Large easy to walk in gutters are lapped one into the other and cantilevered for increased strength
- 6' arch spacing virtually eliminates structural damage caused by rain and snow
- Components are shipped pre-punched and cut to length simplifying the installation
- Rollformed components nest one into the other during shipment, substantially reducing freight rates
- Certified to meet international building codes

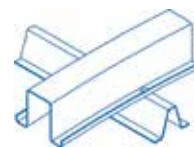
Accessory Equipment:

- Conley's Rack & Pinion roof vents- roof vents can be placed at gutter or ridge
- Conley's Rack & Pinion side vents or end vents
- Internal retractable shading systems
- Conley's roll up side or end wall curtains
- Conley's swing, sliding or roll up door assemblies
- Conley's stationary, rolling or palletized bench assemblies
- Conley's space saver sidewall extension

Gutter Height: 8'-10'-12'-14' Width: 21'-24'-30'



Arch to gutter adapters connect to the bottom of the gutter for optimum weight distribution.



Arch and purlin design offers "I" beam technology for superior strength.



Super strength arch to gutter adapter



Rack & Pinion Gutter Vent





Arch Series & Gable Series

Outstanding Features

- Superior rollformed trusses or arches and rollformed purlins ensure unmatched structural integrity
- Each truss or arch assembly is produced from one rollformed component, no splices required, from peak to gutter connection
- Condensate control features built into rollformed arches and purlins
- Can be covered with polyethylene or rigid covering
- Certified to meet international building codes
- Stamped engineered drawings are available upon request

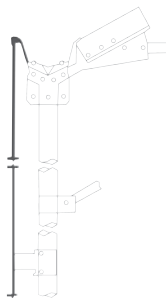
Standard Widths

Arch Series: 21', 24', 30', 35.5', 41.5'

Gable Series: 18', 21', 24', 30', 35.5', 41.5', 50'

Heavy duty column-to-arch connectors are manufactured by Conley's to meet stringent industry safety standards.

Aluminum gutter trim provides an effective means of "Sealing Off" structural coverings.



Griffin Construction Department

Partner with us on you next project.
Call for consultation and quote:
1.800.888.0054 then press 3.



Arch Series 6500



Gable Series 7500

Griffin's #1 selling greenhouse structure for Garden Centers

Conley's Gable Series 7500



The Conley's Advantage



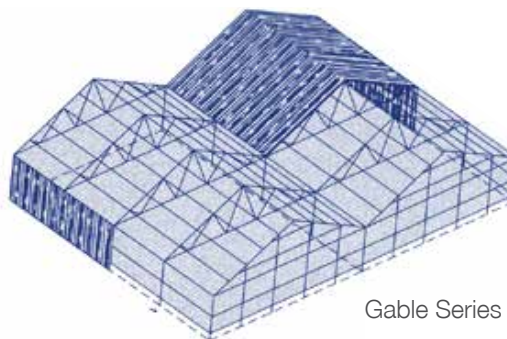
Cantilevered Gutters

Conley gutters are cantilevered a full 2 feet over greenhouse columns, transferring the normal loads created by gutter connections away from the column. This increases the strength and stability of the structure. Gutters also lap one onto the other, virtually eliminating connection leaks.

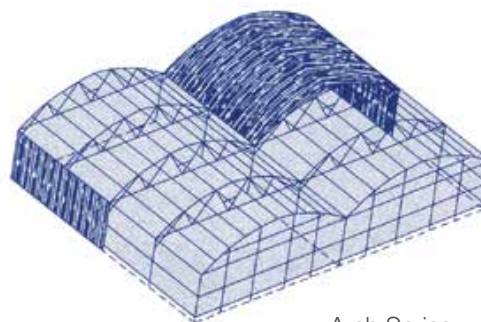


Superior Strength Rollformed Technology

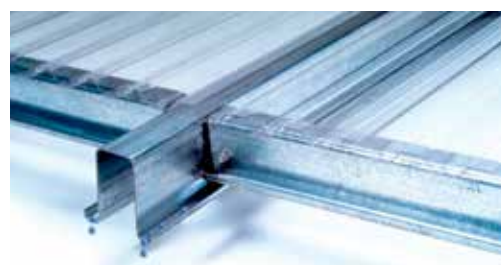
Rollformed components incorporate the same design principle applied to industrial "I" beams. Engineered to be longer than wide, Conley's rollformed members offer substantially greater resistance to the deflection causing forces of rain, snow and wind when compared to conventional components.



Gable Series



Arch Series



PRC SPIANT

Windjammer Series 6000 Gutter Connected Cold Frames

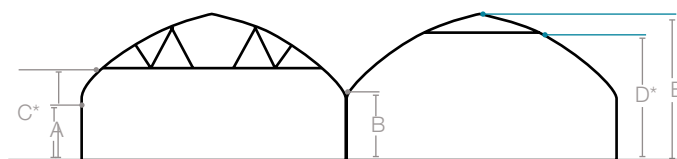
- Gutter connected performance-cold frame pricing
- Ideal as a production house or retail structure
- Easy to walk in gutters
- 2" Square tube bows - 2 1/4" square ground stakes
- Gothic Arch profile
- Simple Construction



Accessories Available

Roll-up Side Walls, Rack & Pinion Roof Vents, Poly or Rigid Roof Coverings, Exhaust Fans, H.A.F. Circulation Fans, Evaporative Cooling Pads, Doors – Sliding, Roll Up or Swing, Watering Booms, Complete Heating Systems, Benches, Heavy-Duty Webbed Truss Assemblies, Electric Drive Motors, Steel Side & End Frame Kits

Specifications



7' 4" sidewall (A) 8' 8" under gutter (b)

| width | C | D | E |
|-------|-------|--------|--------|
| 16' | n/a | n/a | 11'10" |
| 20' | n/a | 11' 4" | 12'10" |
| 24' | 9'9" | 12'4" | 14' 4" |
| 30' | 11'5" | 15'4" | 17'4" |
| 35' | 11'3" | 16'4" | 19'4" |

8' 4" sidewall (A) 9' 8" under gutter (b)

| width | C | D | E |
|-------|-------|--------|--------|
| 16' | n/a | n/a | 12'10" |
| 20' | n/a | 12' 4" | 13'10" |
| 24' | 10'9" | 13'4" | 15' 4" |
| 30' | 12'5" | 16'4" | 18'4" |
| 35' | 12'3" | 17'4" | 20'4" |

9' 4" sidewall (A) 10' 8" under gutter (b)

| width | C | D | E |
|-------|-------|--------|--------|
| 16' | n/a | n/a | 13'10" |
| 20' | n/a | 13' 4" | 14'10" |
| 24' | 11'9" | 14'4" | 16' 4" |
| 30' | 13'5" | 17'4" | 19'4" |
| 35' | 13'3" | 18'4" | 21'4" |

C* Optional cross bar and "W" style truss

D* Standard cross bar

Custom sidewall height available

2025



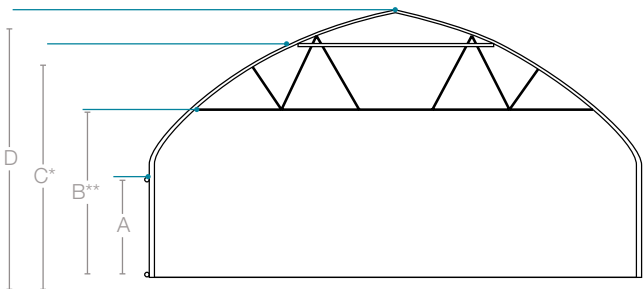
Windjammer Series 5000
High Tunnel Performance

- 2" Square tube bows - 2 1/4" ground stakes
- Structures include a straight 4', or optional 6' tall, side wall
- A 30' wide structure, with 6' side walls, provides 16' at the peak
- Additional height improves growing environments
- Taller structures increase ventilation efficiency

Call for pricing.



Specifications



4' tall sidewall height

| width | purlins | A | B** | C* | D |
|-------|---------|----|------|-----|------|
| 16' | 3 | 4' | — | — | 8'6" |
| 20' | 3 | 4' | — | 8' | 9'6" |
| 24' | 3 | 4' | 6'6" | 9' | 11' |
| 30' | 3 | 4' | 8' | 12' | 14' |
| 35' | 5 | 4' | 8' | 13' | 16' |

6' tall sidewall height

| width | purlins | A | B** | C* | D |
|-------|---------|----|------|-----|-------|
| 16' | 3 | 6' | — | — | 10'6" |
| 20' | 3 | 6' | — | 10' | 11'6" |
| 24' | 3 | 6' | 8'6" | 11' | 13' |
| 30' | 3 | 6' | 10' | 14' | 16' |
| 35' | 5 | 6' | 10' | 15' | 18' |

B** Optional cross bar and "W" style truss
C* Standard cross bar
Custom sidewall height available





W-Truss Shade Structure

Shade structures like the W-Truss are one of the most economical ways to keep customers and products out of the blazing sun. Mix and match flat roof sides with a peaked canopy entryway for maximum customer comfort and visual appeal to the front or side entrance to your brick and mortar store. Freestanding 20' wide canopy sections can be connected for multiple peaks or linked together in a row to cover larger spaces. Call a customer representative today to find a configuration that matches your needs!

Specifications

Width/Lengths: 20' x 20' blocks standard

Anchors: concrete anchor bolts

Footing: Base Plate/ Anchor Bolts in Concrete

Vertical posts: 3" x 3" x 13' galvanized steel with base plate

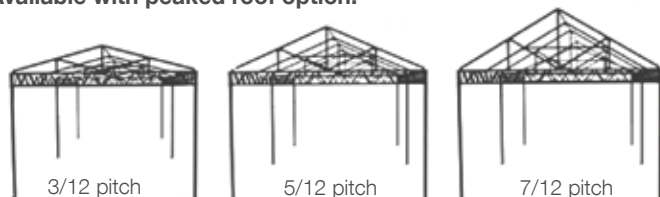
Truss: 2" x 2" square top and bottom chords, galvanized webbing

Cover: 30%, 50%, 60%, & 90% black shade cloth, 50% red shade cloth, 60% available both blue & green colors.

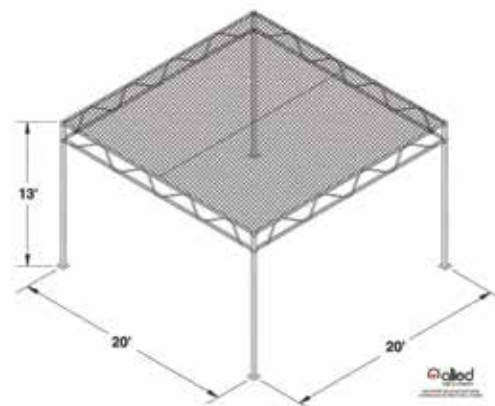
W-Truss complete packages include:

3" x 3" x 13' x 12 ga. vertical posts with 7" x 7" base plates in 20' x 20' blocks, expansion anchor bolts, 20' galvanized truss members, 60% black knitted shade cloth with hemmed edges and grommets, 10" canopy ball bungee every 18", fittings, hardware, and assembly instructions.

Available with peaked roof option!



14', 16', 18' & 20' standard widths



Sturdy horizontal trusses allow for spans of up to 28' to provide larger growing and display areas between supports.



10" canopy ball bungee attachment system makes quick work of seasonal shade cloth installation and removal.





Sunstopper

The Sunstopper is Griffin's #1 selling shade structure. This cost effective option is both strong and easy to assemble.

Specifications

Width/Lengths: 20' x 20' blocks (custom sizes available)

Anchors: ground stands or optional base plates with concrete anchor bolts

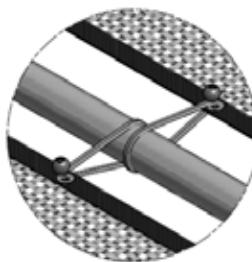
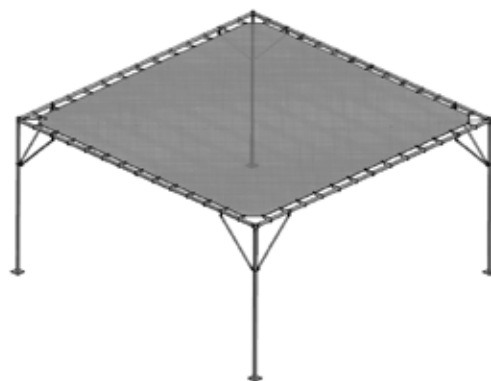
Vertical posts: 2.5" O.D. 12 ga. x 10' galvanized steel posts

Horizontal supports: 2 1/2" O.D. 12 ga. x 20' galvanized steel supports

Cover Options: 30%, 50%, 60%, & 90% black shade cloth, 50% red shade cloth, 60% available both blue & green colors

Sunstopper Standard Packages Include:

2.5" O.D. 12 ga. x 10' vertical posts with base plates in 20' x 20' blocks, 2.5" O.D. 12 ga. x 20' galvanized horizontal members, 60% black knitted shade cloth with taped edges and grommets, 10" canopy ball bungee every 18", diagonal cable shade panel support (1) per 20' x 20' block, fittings, hardware, and assembly instructions.



51% LARGER TUBING!

The Sunstopper is built to last with tough 2 1/2" O.D. 12 gauge galvanized steel tubing. That's 51% LARGER than what most manufacturers use. Get a better product for your investment with the Sunstopper.

SUNSTOPPER 2 1/2"

Others 1.66"

Sunstopper uses larger diameter tubing.

Others use smaller diameter tubing.



Vermax by Harnois

Introducing venlo style glasshouses designed and manufactured in North America that meet international building standards. Optimally designed with high tech cultivation systems according to your needs. Turnkey option available.

Contact us for more information.



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Griffin Construction Department

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COVERINGS

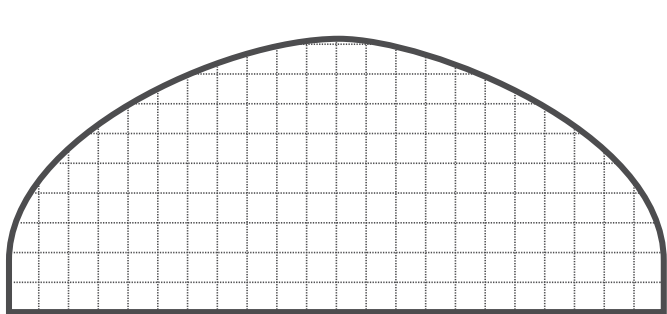


What Size Cover for my House?

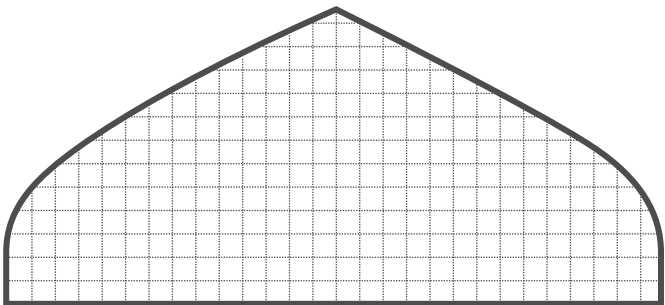
| Quonset Greenhouse | | | | | | | |
|--------------------|----------|----------|----------|----------|----------|----------|----------|
| House Width | 14' | 17' | 20' | 22' | 25' | 28' | 30' |
| Poly Size Use | 24' wide | 28' wide | 32' wide | 32' wide | 40' wide | 42' wide | 48' wide |

| Gothic Greenhouse | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|----------|
| House Width | 17' | 20' | 21' | 26' | 27' | 29' | 30' |
| Poly Size Use | 32' wide | 36' wide | 36' wide | 40' wide | 42' wide | 42' wide | 48' wide |

Use this information as a guide to find the poly width for a standard ground to ground greenhouse frame. High tunnels, roll up sides, or raised greenhouses are not accounted in the chart above. Griffin recommends using a soft measuring tape to make a ground to ground measurement before ordering.



Quonset Greenhouse



Gothic Greenhouse





EVO AC[®]

8-layer greenhouse films

Brighter greenhouse
Healthier plants
Higher profits

EVO AC[®] sets the new standard for
condensation and mist control.
Trusted by the top growers around the world.



Longest lasting
anti-drip



No mist



Superior
strength



More &
better light



Less
phytosanitary
treatments



Improved
crop yield



www.sunmasterfilm.com

 **sunmaster**



2025

Sunmaster® EVO AC® IR

The benefits of EVO AC® IR:

- Permanent AC - cost savings on film & labor
- Mist elimination - less spraying & less diseases
- Highest light transmission - more and better production
- Outstanding mechanical properties - better crop protection

The properties:

- 8-layer co-extruded technology
- >90% PAR light transmission, UV-Open
- Permanent anti-condensate (AC) reduces costs and increases production
- Thermal film with superior Infrared (IR) retention promoting plant growth and energy savings
- High-diffusion (75%) which scatters sunlight uniformly, reducing shadow zones and preventing sunburns.
- Super-Strong for maximum resistance against strong winds, hail & snow loads.
- Superior mechanical properties (folds, tear & puncture) for maximum crop protection
- UV-stabilized for four years

| Item | Width | Mil | Length | Fold | Weight/ lbs. |
|----------------|-------|-----|--------|------|-----------------|
| SMTHM624110EAC | 24 | 6 | 110 | 4B | 70 |
| SMTHM628110EAC | 28 | 6 | 110 | 4B | 81 |
| SMTHM628150EAC | 28 | 6 | 150 | 4B | 121 |
| SMTHM632110EAC | 32 | 6 | 110 | 4B | 102 |
| SMTHM636110EAC | 36 | 6 | 110 | 4B | 114 |
| SMTHM636150EAC | 36 | 6 | 150 | 4B | 156 |
| SMTHM642110EAC | 42 | 6 | 110' | 4B | 134 |

Sunmaster® is the leading brand of greenhouse covers in North America, offering growers a wide product range from high-performance four-year films to one-year overwintering. With decades of experience in the industry, our covers are designed to meet the unique needs of your greenhouses, ensuring maximum quality and yields.

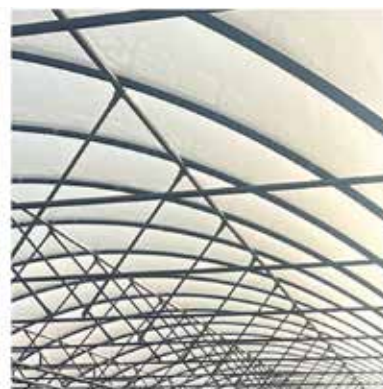
Sunmaster® films can be produced in different versions depending on the application and needs of the grower. Stock products and sizing are based on most requested items, but Sunmaster® can produce films with various other properties for drop-ship orders.

In double-inflated greenhouses with two sheets, Sunmaster® recommends:

- EVO AC® IR as the inside layer for maximum condensation control, light distribution, and temperature regulation.
- Sunmaster® IV as the outside layer to maximize light transmission.



Classic AC film after 2 years



EVO AC® after 4 years



Mist under classic AC film



EVO AC® anti-mist effect

Sunmaster® IR/AC Max

- 7-layer co-extruded
- >89% PAR light transmission, UV-Open
- Provides superior condensation control
- High-diffusion (75%) for uniform lighting when direct sunlight is not preferred
- Thermal film with superior Infrared (IR) retention promoting plant growth and energy savings
- Superior mechanical properties (folds, tear & puncture) for maximum crop protection
- UV-stabilized for four years

Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 8% |
| \$1,500.00 | 13% |
| \$2,500.00 | 18% |

Savings applies to Polyethylene Film

Sunmaster® IR/AC Max Films

| Item | Width | Mil | Length | Fold | Weight/lbs. |
|-------------|-------|-----|--------|------|-------------|
| SMTHM628110 | 28' | 6 | 100' | 4B | 84 |
| SMTHM628150 | 28' | 6 | 150' | 4B | 126 |
| SMTHM636150 | 36' | 6 | 150' | 6 | 162 |
| SMTHM642110 | 42' | 6 | 100' | 6 | 126 |
| SMTHM642150 | 42' | 6 | 150' | 6 | 190 |
| SMTHM648110 | 48' | 6 | 110' | 6 | 158 |
| SMTHM648150 | 48' | 6 | 150' | 6 | 218 |

Sunmaster® IR/AC Max Tubes

| Item | Width | Mil | Length | Fold | Weight/lbs. |
|--------------|-------|-----|--------|------|-------------|
| SMTHM620110T | 20' | 6 | 100' | 6 | 120 |
| SMTHM624110T | 24' | 6 | 100' | 6 | 144 |

Fold Code: 4A = C Fold 4B = U-Fold 4C – Gusseted fold 6 = Double U-Fold 8 = Multi U-Fold





Sunmaster® IV

- 3-layer co-extruded
- Crystal Clear film maximizing direct sunlight penetration is desired for specific plant growth.
- >91% PAR light transmission
- UV-stabilized for four years
- Provides superior strength (folds, tear & puncture) and high light transmission

| Item | Width | Mil | Length | Fold | Weight/lbs. |
|--------------|-------|-----|--------|------|-------------|
| SMIV620150 | 20' | 6 | 150' | 4B | 90 |
| SMIV624110 | 24' | 6 | 110' | 4B | 79 |
| SMIV624150 | 24' | 6 | 150' | 4B | 79 |
| SMIV628100 | 28' | 6 | 100' | 4B | 84 |
| SMIV628110 | 28' | 6 | 110' | 4B | 92 |
| SMIV628150 | 28' | 6 | 150' | 4B | 126 |
| SMIV628200 | 28' | 6 | 200' | 4B | 168 |
| SMIV632110 | 32' | 6 | 110' | 6 | 106 |
| SMIV632150 | 32' | 6 | 150' | 6 | 144 |
| SMIV636110 | 36' | 6 | 110' | 6 | 118 |
| SMIV636150 | 36' | 6 | 150' | 6 | 162 |
| SMIV640150 | 40' | 6 | 150' | 6 | 180 |
| SMIV642100 | 42' | 6 | 100' | 6 | 126 |
| SMIV642110 | 42' | 6 | 110' | 6 | 138 |
| SMIV642150 | 42' | 6 | 150' | 6 | 190 |
| SMIV648110 | 48' | 6 | 110' | 6 | 158 |
| SMIV648150 | 48' | 6 | 150' | 8 | 216 |
| SMIV650150 | 50' | 6 | 150' | 8 | 225 |
| WHITE | | | | | |
| SMIV632100W | 32' | 6 | 100' | 6 | 96 |
| SMIV640100W | 40' | 6 | 100' | 6 | 120 |
| SMIV648100W | 48' | 6 | 100' | 8 | 144 |

Fold Code: 4A = C Fold 4B = U-Fold 6 = Double U-Fold 8 = Multi U-Fold

Sunmaster® IV Greenhouse Tubes

| Item | Width | Mil | Length | Fold | Weight/lbs. |
|-------------|-------|-----|--------|------|-------------|
| SMIV624110T | 24' | 6 | 110' | 4B | 158 |
| SMIV624150T | 24' | 6 | 150' | 4B | 216 |

Fold Code: 4A = C Fold 4B = U-Fold 6 = Double U-Fold 8 = Multi U-Fold

Overwintering Greenhouse Films



White Overwintering Film 70% Opacity

Tri-layer extrusion and resin technologies result in a film that meets or exceeds the physicals of .003 and .004 mil film. Made with Metallocene.

| Item | mil | Width | Length |
|-------------|-----|-------|--------|
| SMOWW424110 | 4 | 24' | 110' |
| SMOWW424150 | 4 | 24' | 150' |
| SMOWW428110 | 4 | 28' | 110' |
| SMOWW428150 | 4 | 28' | 150' |
| SMOWW432110 | 4 | 32' | 110' |
| SMOWW432150 | 4 | 32' | 150' |
| SMOWW436110 | 4 | 36' | 110' |
| SMOWW436150 | 4 | 36' | 150' |
| SMOWW440110 | 4 | 40' | 110' |
| SMOWW440150 | 4 | 40' | 150' |
| SMOWW448110 | 4 | 48' | 110' |
| SMOWW448150 | 4 | 48' | 150' |

Clear Overwintering Film

Made with Metallocene.

| Item | mil | Width | Length |
|-------------|-----|-------|--------|
| SMOWC424110 | 4 | 24' | 110' |
| SMOWC424150 | 4 | 24' | 150' |
| SMOWC428110 | 4 | 28' | 110' |
| SMOWC428150 | 4 | 28' | 150' |
| SMOWC432110 | 4 | 32' | 110' |
| SMOWC436110 | 4 | 36' | 110' |
| SMOWC436150 | 4 | 36' | 150' |
| SMOWC440110 | 4 | 40' | 110' |

Woven Batten Tape

1 3/4" x 300'

Item: 05-2100



Fold Code: 4B = U-Fold. 6 = Double U-Fold. 8 = Multi U-Fold, CSTF = Center-slit Tubing Folded, STDF = Slit Tubing Double Folded

Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 8% |
| \$1,500.00 | 13% |
| \$2,500.00 | 18% |

Savings applies to Polyethylene Film

SunView Therm

LIGHT DIFFUSION

Light diffusion increases photo synthetic efficiency by providing more homogeneous light from all directions. The film reduces shadows, helps minimize burning and ensures better distribution of light.

Poly-Ag Corp specifically formulates its films for optimum performance related to crop response.

THERMICITY & CONDENSATION

Thermicity During the day, the greenhouse structure, plants and soil heat up due to both visible and infrared light from the sun. In the evening it cools down and re-emits radiation within the IR range. Special properties are incorporated within the film which block IR radiation and help maintain a controlled temperature in the greenhouse, providing plant insulation and less cycling of heaters at night. We offer two Thermal films. One of which offers 30% Light diffusion. The second has an industry-leading 55% Light Diffusion!

Anti-condensation: The properties modify the film surface; as a result water droplets are spread into a continuous water layer which subsequently runs down along the slope of the film. These films increase light transmission and reduce water drip.

The Benefits:

- Energy Savings
- Minimized Condensation Issues
- Constant Plant Canopy—Light Diffusion
- 87%-90% Light Transmission

The Features:

- Thermal
- Light Diffusion
- Anti-Condensation
- Available in 6, 7.2, or 8 mil
- Superior Dart Impact Performance

| Item | Size W x L | Mil | Fold | Weight |
|--------------|-------------------------|-----|------|--------|
| 760-2011018 | 20' x 110' Thermal | 6 | CSTF | 63 |
| 760-2411018 | 24' x 110' Thermal | 6 | CSTF | 76 |
| 760-2415018 | 24' x 150' Thermal | 6 | | 104 |
| 760-2811018 | 28' x 110' Thermal | 6 | CSTF | 89 |
| 760-2815018 | 28' x 150' Thermal | 6 | CSTF | 121 |
| 760-3211018 | 32' x 110' Thermal | 6 | STDF | 101 |
| 760-3215018 | 32' x 150' Thermal | 6 | STDF | 138 |
| 760-3611018 | 36' x 110' Thermal | 6 | STDF | 114 |
| 760-3615018 | 36' x 150' Thermal | 6 | | 156 |
| 760-4011018 | 40' x 110' Thermal | 6 | STDF | 127 |
| 760-4015018 | 40' x 150' Thermal | 6 | STDF | 173 |
| 760-4211018 | 42' x 110' Thermal | 6 | STDF | 133 |
| 760-4215018 | 42' x 150' Thermal | 6 | STDF | 181 |
| 760-4811018 | 48' x 110' Thermal | 6 | STDF | 152 |
| 760-4815018 | 48' x 150' Thermal | 6 | STDF | 207 |
| 760-5011018 | 50' x 110' Thermal | 6 | STDF | 158 |
| 760-5015018 | 50' x 150' Thermal | 6 | STDF | 216 |
| Tubes | | | | |
| 760-2411018T | 24' x 110' Thermal Tube | 6 | TDF | 152 |
| 760-2415018T | 24' x 150' Thermal Tube | 6 | TDF | 207 |

Fold Codes:

STDF= Silt Tubing Double Folded, CSTF= Center Slit Tubing Folded,
TDF=Tubing Double Folded





SunView 4

LIGHT QUALITY

The total light transmission of the greenhouse covering is extremely important for Photosynthetically Active Radiation, 400—700 nanometers. The intensity of these wave lengths in the PAR range directly influences the growth and development of the plants. Poly-Ag Corp specifically formulates its films for optimum performance related to crop response.

SUNVIEW 4

SunView™ 4 was developed to meet the growing needs of the growers in North America to produce quality crops. Our High-Technology greenhouse films are based on the latest developments and technologies in the manufacturing process. SunView™ 4 is designed to transmit more light while maintaining superior mechanical properties. * Sunview™ 4 is available in 55% White drip.

The Benefits:

- Durable
- Excellent Top Layer Performance
- Superior Puncture Resistance
- 90% Light Transmission

The Features:

- Made From Latest Resin Technologies
- High Clarity
- Anti-Dust Additive
- Available in 6, 7.2, or 8 mil
- Superior Dart Impact Performance

| Item | Size W x L | Mil | Fold | Weight |
|--------------|-----------------------|-----|------|--------|
| 760-1611017 | 16' x 110' Clear | 6 | CFDF | 51 |
| 760-2011017 | 20' x 110' Clear | 6 | CSTF | 63 |
| 760-2411017 | 24' x 110' Clear | 6 | CSTF | 76 |
| 760-2415017 | 24' x 150' Clear | 6 | CSTF | 104 |
| 760-2811017 | 28' x 110' Clear | 6 | CSTF | 89 |
| 760-2815017 | 28' x 150' Clear | 6 | CSTF | 121 |
| 760-3211017 | 32' x 110' Clear | 6 | STDF | 101 |
| 760-3215017 | 32' x 150' Clear | 6 | | 138 |
| 760-3611017 | 36' x 110' Clear | 6 | STDF | 114 |
| 760-3615017 | 36' x 150' Clear | 6 | | 156 |
| 760-4011017 | 40' x 110' Clear | 6 | STDF | 127 |
| 760-4015017 | 40' x 150' Clear | 6 | STDF | 173 |
| 760-4211017 | 42' x 110' Clear | 6 | STDF | 133 |
| 760-4215017 | 42' x 150' Clear | 6 | STDF | 181 |
| 760-4811017 | 48' x 110' Clear | 6 | STDF | 152 |
| 760-4815017 | 48' x 150' Clear | 6 | STDF | 207 |
| 760-5011017 | 50' x 110' Clear | 6 | STDF | 158 |
| 760-5015017 | 50' x 150' Clear | 6 | STDF | 216 |
| 760-5611017 | 56' x 110' Clear | 6 | STDF | 177 |
| 760-5615017 | 56' x 150' Clear | 6 | | 242 |
| Tubes | | | | |
| 760-2011017T | 20' x 110' Clear Tube | 6 | TDF | 127 |
| 760-2015017T | 20' x 150' Clear Tube | 6 | TDF | 173 |
| 760-2411017T | 24' x 110' Clear Tube | 6 | TDF | 152 |
| 760-2415017T | 24' x 150' Clear Tube | 6 | TDF | 207 |

Fold Codes:

STDF= Silt Tubing Double Folded, CSTF= Center Slit Tubing Folded,
TDF=Tubing Double Folded





SunView Overwinter MAX

OPACITY

SunView™ OverWinter MAX is available in various opacities: 30%, 55%, and 70% White. As well as Clear. All of our overwinter films are Tri-Layered. Poly-Ag Corp—Specifically formulates its films for optimum performance related to crop response.

SUNVIEW OVERWINTER MAX

SunView™ OverWinter MAX was developed to meet the growing needs of the growers in North America to produce quality crops and provide protection from harsh winter climates. Our High-Technology films are based on the latest developments and technologies in the manufacturing process. SunView™ OverWinter MAX is designed with consistent opacities while maintaining superior mechanical properties. Due to its 10 month UV, it will have stronger mechanical properties for a longer period of time than films with less UV life.

2025

The Benefits:

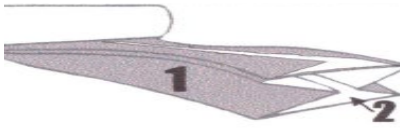
- Durable
- Excellent Winter Weather Performance
- Superior Puncture Resistance
- Consistent Opacity
- 10 Month UV makes film stronger during winter months "Stronger Longer!"

The Features:

- Made From Latest Resin Technologies
- 30%, 55%, 70% Opacities
- Available in 3, 4, and 5 mil
- Superior Dart Impact Performance
- 10 Month UV

| Item | Size W x L | Mil | Fold | Weight |
|---|------------|-----|------|--------|
| White - 70% Opacity | | | | |
| 730-241102 | 24' x 110' | 3 | CSTF | 38 |
| 730-242202 | 24' x 220' | 3 | CSTF | 75 |
| 730-281102 | 28' x 110' | 3 | CSTF | 44 |
| 730-282202 | 28' x 220' | 3 | CSTF | 88 |
| 730-321102 | 32' x 110' | 3 | STDF | 50 |
| 730-322202 | 32' x 220' | 3 | STDF | 100 |
| 730-401102 | 40' x 110' | 3 | STDF | 63 |
| 730-402202 | 40' x 220' | 3 | STDF | 126 |
| <i>also available in 55%</i> | | | | |
| Clear | | | | |
| 730-241101 | 24' x 110' | 3 | CSTF | 38 |
| 730-242201 | 24' x 220' | 3 | CSTF | 75 |
| 730-281101 | 28' x 110' | 3 | CSTF | 44 |
| 730-282201 | 28' x 220' | 3 | CSTF | 88 |
| 730-321101 | 32' x 110' | 3 | STDF | 50 |
| 730-322201 | 32' x 220' | 3 | STDF | 100 |
| 730-401101 | 40' x 110' | 3 | STDF | 63 |
| 730-402201 | 40' x 220' | 3 | STDF | 126 |
| Fold Codes: | | | | |
| STDF= Silt Tubing Double Folded, CSTF= Center Slit Tubing Folded, | | | | |
| TDF=Tubing Double Folded | | | | |

Folds and Spread Instruction



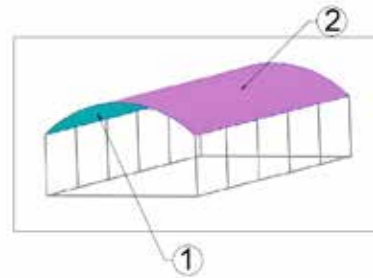
Fold 4:
4.0-12.0 m
13.123-39.37 Ft



Fold C:
8.0-18.0 m
26.246-59.055 Ft

Storing and Spreading Instruction:

1. The film must be installed shortly after purchase, if not, the rolls care should be stored in a shaded place under a shade and the temperature should not exceed 300C degrees.
2. The film should be installed when the temperatures are between 15-300C
3. Stretch the film evenly across the greenhouse. The film should be stretched enough to avoid sagging in the hot season without over stretching the film.
4. Take care not to damage the film when inserting the profile, zigzag or nailing.
5. Don't place assembly tools or sharp objects on the cover film.
6. The films should be installed according to the following drawing. Side 1 should face the crop and side 2 to the sky.



**WHEN THINKING ABOUT
YOUR INFRASTRUCTURE
THE SKY IS THE LIMIT!**



GRIFFIN CONSTRUCTION DEPARTMENT

Partner with us on you next project. Consultative expert services available. Call or email Griffin Construction:
constructiondept@griffinmail.com | 1.800.888.0054 then press 3.
To get a quote, please visit this link: bit.ly/griffin_construction_quote



K50 Clear 6mil (50 Month)

- Features clear HALS ultra violet light stabilizer
- Contains "Anti-Dust" additive that repels dirt and dust
- Strong EVA co-polymer resin for excellent durability

The innovative technologies that Klerk's introduced have now proven themselves throughout the U.S. particularly in the Eastern U.S. market. Klerk's use of co-extrusion techniques demonstrates that "no-drip" features will perform for years.

The Bottom Line

A greenhouse business day begins when the sun comes up and shines through the film you put between the sun and the money a greenhouse is trying to produce.

Greenhouse film is the least expensive but most important decision a grower can make for his greenhouse.

The sun is the only free energy resource available to the greenhouse.

Klerks innovative products help to manipulate this free energy to benefit your plants' growth, which financially affects the grower in the long run.

Klerks film is available to order by drop ship only. Call for pricing and sizes.

IMPORTANT NOTE: If 1 layer of IR film is used in a double layer installation, it should be applied as the inside layer.

K50-IR/AC 6mil (50 Month)

Has the same properties as K50 with added advantages:

- Lower heating costs
- Infrared retention and light diffusing system to reduce energy costs
- Holds in re-radiation at night
- Diffuses the sun's rays during the day to average leaf temperatures and reduces stress
- Earlier, faster growth due to higher usable light levels
- Lowers nighttime heating cost by capturing and re-radiating infrared heat that normally passes right through traditional greenhouse film

Klerk's 2-in-1 Film

- Offers the advantages of two sheets of greenhouse film in a single installation
- A value-added alternative to 20' and 24' tubes
- Available in: K50-IR/AC, and KooLite Plus
- Bottom layer can be pulled tightly to allow water to sheet off
- Saves money by not putting additive film on top
- Not a stocked item. Please call your sales representative for more information

Research Supports the Principle

Diffused light has the advantage of getting more light down into plant foliage canopies.

This advantage applies to plants which grow upright, where the newly emerging leaves end up shadowing older, more productive leaves.

Since 1982 when IR films were first introduced to North America there has been significant research on the effects of light diffusion on plant productivity, concluding that diffusion averages leaf temperatures by evenly distributing light from the top of the canopy to the bottom leaves.

This evenly distributed energy results in more photosynthesis, causing earlier and fuller development of healthier, disease resistant crops.



SOLARIG LINE

WOVEN PLASTIC SHEETING FOR HIGH-TECH AGRICULTURE

- Most Technologically Advanced
- The Strongest
- Longest Lasting
- Up to 6 yr Warranty

Crops grow strong and people work better under ideal environment conditions -such as those provided by the SOLARIG family of woven polyethylene sheeting from PIC PLAST.

PIC PLASTIC (PUYOUNG Group) offers the most technologically advanced, strongest, long-lasting, storm-resistant and efficient plastic sheeting, that is being use all over the world.

PUYOUNG's advantage lies in its special manufacturing processes, the use of sophisticated coatings, its strict quality control (ISO 9001) and its total dedication to customer satisfaction.

Solaroof 182

| Item | Description |
|----------|-------------|
| 062-1000 | 24' X 105' |
| 062-1005 | 24' X 155' |
| 062-1002 | 28' X 105' |
| 062-1007 | 28' X 155' |
| 062-1010 | 32' X 105' |
| 062-1015 | 32' X 155' |
| 062-1030 | 42' X 105' |
| 062-1035 | 42' X 155' |
| 062-1040 | 48' X 105' |
| 062-1045 | 48' X 155' |

Solarig 156 IR & AF

| Item | Description |
|----------|-------------|
| 062-2000 | 24' X 105' |
| 062-2005 | 24' X 155' |
| 062-2002 | 28' X 105' |
| 062-2007 | 28' X 155' |
| 062-2010 | 32' X 105' |
| 062-2015 | 32' X 155' |
| 062-2030 | 42' X 105' |
| 062-2035 | 42' X 155' |
| 062-2040 | 48' X 105' |
| 062-2045 | 48' X 155' |

Larger lengths available upon request in increments of 5'.

SOLAROOF 182

- The SOLAROOF premier greenhouse covering is for all types of cultivation
- Made from high quality coated woven polyethylene cloth to the highest standards consistent with PUYOUNG'S ISO 9001 accreditation
- Contains special new additives to give extra performance
- SOLAROOF'S extra strength makes it hail and tear resistant and long lasting
- SOLAROOF unique package of additives assures that it blocks out the harmful UV light
- The absence of UV light greatly reduces the spread of fungal diseases such as *Botrytis*
- The lack of UV light deters insects such as aphids from entering the greenhouse
- Contains Antidrip to help prevent droplets of moisture falling onto the plants and improving light transmission
- Contains IR additives to keep the foliar temperature high in the greenhouse during the cold night
- 6 yr warranty for double layer application

Solarig 156 IR & AF

- 2nd layer/bottom layer in a double layer system
- Tear resistant and long lasting coated woven polyethylene cloth
- Contains Antidrip to help prevent droplets of moisture falling onto the plants and improving light transmission
- Can be sewn to create any size or shape, with ropes, eyelets, etc.
- Lightweight, low cost option
- Can be sewn to insect net
- 6 yr warranty for double layer application



Wire-Lock Poly Attachment



Single Wire-Lock (09-16501 wire not included)

Single wire-lock is the most versatile of our wire-lock options. Griffin recommends use for baseboard applications. It can be used anywhere you need to secure covering materials.



Double Wire-Lock (09-16501 wire not included)

Double wire-lock is designed to secure roll up sides separate from the covering. This increases flexibility during maintenance and replacement projects.



Gable Rafter Trim

With a curved based for easy installation to the end bow, our gable rafter trim features a drip edge that extends over end wall polycarbonate glazing.



Griffin's Wire-Lock system features an aluminum base and preformed stainless steel wire insert holds coverings securely in place. We recommend using carriage bolts to secure our wire-lock to your framing.

When to Use Griffin's Wire-Lock System

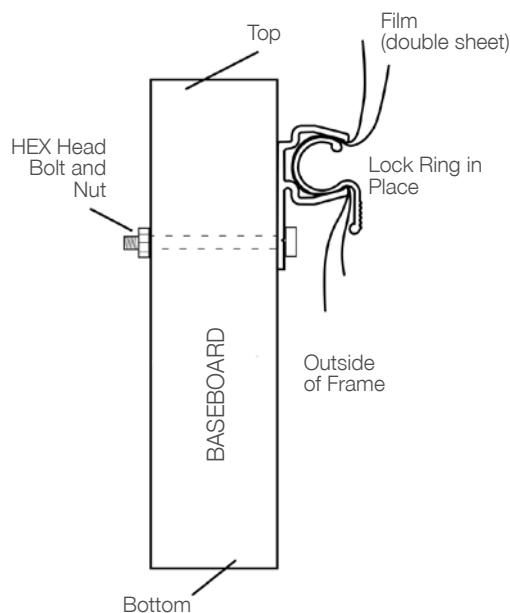
- Single layer of polyethylene 4 mil or thicker
- Double layer of polyethylene 4 mil or thicker
- Roll up sidewalls
- Secure shade cloths

| Item | Description |
|-----------|-------------------------------------|
| 81-500150 | Wire-Lock (12' Sections) Alum. Base |
| 09-16251 | Wire-Lock (6' Sections) Alum. Base |
| 81-500160 | Gable Rafter Trim 12' Alum. |
| 81-500170 | Double Wire-Lock 12' Alum. |
| 09-16501 | 6' Zig Zag Wire (2 per 12' base) |

Poly Grip

The Poly Grip Lock is a cam-type locking system. This lock was designed for installation with 2 layers of 6 mil poly that is air inflated. It is a simple and secure lock with a track record of dependability. The lock consists of an aluminum base channel and aluminum locking ring. The ring is easily inserted into the base for quick application. This system is not flexible (bendable) and cannot be used on gable ends of quonset houses.

| Item | Description | Length |
|---------|--------------------|------------|
| 09-1525 | Alum. Base Channel | 12' |
| 09-1535 | Alum. Locking Ring | 5' 11 3/4" |



Get the Most from Your Poly with Inflation Best Practices

Improper maintenance of the air pressure between the layers of double poly covered greenhouses can prematurely wear film and shorten life expectancy. Here are some tips for keeping your poly inflated properly:

1. Control the pressure by connecting a rheostat (variable speed control) to your inflation blower. Slowing down the speed of the fan inflates to a lower pressure. While speeding up the fan inflates to a higher pressure. Use a manometer to monitor your pressure.
2. Change inflation pressure according to the weather. Optimal inflation pressure is 0.2" of water column pressure during hot weather and 0.45" of water column pressure during cold and/or windy weather.
3. Avoid stressing your poly. The "perfect" dead air space is 4". However, since the space from the locking device to the top of the house cannot be the same distance, 4" - 8" is the recommended space. If overinflated, the poly stretches and becomes thinner, making it weaker. If under-inflated, the poly flaps and wears prematurely.
4. Maintain the installation as air tight as possible. Check poly locks occasionally to find and repair air leaks that lead to under-inflation.
5. Although many growers use inside air, outside air is still considered best practice. Outside air is usually drier and does not contain pesticides or other volatile chemicals that can interact with the poly.

Questions about Inflation Blowers?

Griffin's sales team will be happy to find you answers. Call 1.800.888.0054 then press 3



Outside Air Inflation System

This kit has all you need to air inflate your greenhouse

Features:

- Outside air intake regulator with deflector/bushing
- Blower Bracket for mounting unit on bow
- Pre-assembled hose for outside air
- 60 cfm

Item: 81-510105

Weatherproof Line Voltage Fan Control

- Great for control of 120v fans/ventilators
- On/Off control with minimum speed adjustment for motor types - shaded pole, PSC and universal
- Weather & corrosion proof all polycarbonate thermoplastic construction
- Standard 3/8" opening
- Rating: 5 amps at 120 volts



Before installing you should check to make sure your inflation blower is recommended for use with any type of speed control device.

Item: 24-6020



KenbarAir Inflation Unit Double with Blower Motor

This kit has all you need to air inflate your greenhouse

Features: 148 CFM

| Item | Description |
|-----------|---|
| 38-023305 | Air Inflation Unit Double with Blower Motor |
| 81-520400 | Jaderloon 36" Jumper Hose |

Blower Motors & Brackets

Shaded Pole Blower 4C440

Open drip-proof motors rated for continuous duty

Features:

- Forward curved wheels driven by dependable energy-efficient motors
- Sleeve bearings suitable for all position mounting
- Adjustable air inlet damper (Only on model #B60)
- Baked enamel finish
- 60 CFM
- 3-Bolt



(Motor Only, used on smaller greenhouse)

Item: 81-510200

Shaded Pole & Permanent Split Capacitor (PSC ITDP7) Blower

Replaces 4C446 blower

Features:

- Forward curved wheels driven by dependable energy efficient motors
- Sleeve bearings suitable for all position mounting
- Baked enamel finish
- With cord
- 146 CFM
- 4-Bolt

(Motor Only)

(Replacement motor for Tee & Single Stack units also)

Item: 09-1230



Adjustable Blower Deflector & Bracket



**3-Bolt
(round flange)**

Item: 81-510400

**4-Bolt
(square)**

Item: 81-510410

Protect the Life of Your Poly



White Felt Adhesive Tape

Protects greenhouse hoops from wearing and tearing greenhouse film.

Item: 09-1404

Size: 1.5" X 48' 1/8

Sun Clear

A concentrated water dispersible liquid formula which, when diluted, increases light transmission, eliminates fogging and improves visibility on glass and polyethylene greenhouses.

- Stops Condensate Drip
- Increases Solar Light
- Reduces Heating Costs

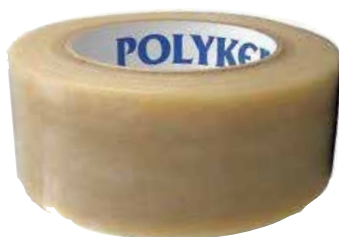
Item: 75-2982

Item: 75-2983

Size: 1 qt.

Size: 1 gal.





All Purpose Poly Repair Tape

Super adhesion! Made with a tough polyethylene backing and aggressive adhesive, this highly conformable all-purpose tape exhibits superior adhesion to film and plastic sheeting.

- All purpose tape for repairing polyethylene and other types of plastic film
- Once applied, it holds fast
- Handles easily, is waterproof
- Won't shrink, crack, dry out or become brittle

Item: 09-14302 **Size/Color:** 2" x 108' Clear
Item: 09-14352 **Size/Color:** 4" x 100' Clear
Item: 09-1425 **Size/Color:** 2" x 108' White



Poly Repair Tape

Clear poly repair tape with white paper backing for easy handling and application to your greenhouse film. A complete first aid kit for greenhouses, the rugged patching tape bonds aggressively to polyethylene film.

Item: 09-1406 **Size:** 2" x 48'
Item: 09-1411 **Size:** 4" x 48'
Item: 09-1416 **Size:** 6" x 48'
Item: 09-14202 **Size:** 10" x 48'

The Most Inexpensive Method to Secure Poly



Batten Tape - Vinyl

Batten tape is a tough, white vinyl plastic strip $\frac{3}{4}$ " wide x $\frac{1}{32}$ " thick for securing plastic film to wood frames, greenhouses, cold frames, windows, etc.

Item: 09-1450 **Size:** 500'
Item: 09-1455 **Size:** 1,000'

Batten Tape - Woven

Woven Batten Material. 2.75" x 1500'.

Item: 05-2100 **Size:** 1.75" x 300'
Item: 05-21011 **Size:** 2.75" x 1500'



Stapler and Staples

PC4000 Bostitch Power Tacker T6-8
Item: 83-2080

STCR5019 9/16 Staple
Item: 83-2128 **Qty:** 4,000/Box



Multi-Wall Structured Polycarbonate Sheets

Griffin has both stocked panels and custom offerings to cover your polycarbonate glazing needs.

Griffin Stock Panels

8mm Twin-Wall Clear Polycarbonate Panels are the industry standard for glazing greenhouses. Griffin stock panels are right sized for end wall glazing projects. Other popular applications for our stock panels include small timber framed greenhouses, awnings, and other architectural applications.

Custom Orders

Need a Nonstock Piece of Polycarbonate?

Griffin has you covered. We offer a variety of widths, lengths, colors and thicknesses of multi-wall polycarbonate. All custom orders are direct shipped from Polygal FOB Freight Origin.

Custom Possibilities




- Lengths up to 36' in 8mm twin-wall clear
- Widths in 47.25", 48", 71.25", 72"
- Twin-wall in 6mm, 8mm & 10 mm thickness
- Triple-wall in 16 mm thickness
- Available in clear, bronze, ice/white in all thicknesses
- Options in 8mm only 100% diffused, temperature reduction and blackout





Griffin Construction Department
Partner with us on your next project.
Call for consultation and quote:
1.800.888.0054 then press 3.

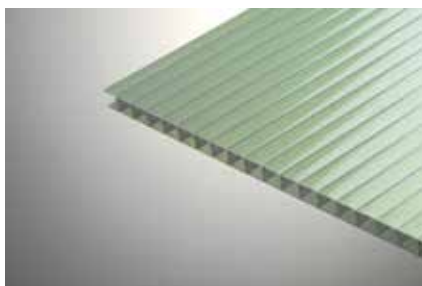
| Item | Description |
|---------|---|
| 08-4027 | 48" X 12' 8MM Twin Wall Clear POLYGAL Panel w/ Anti-Fog |
| 08-4037 | 48" X 16' 8MM Twin Wall Clear POLYGAL Panel w/ Anti-Fog |
| 08-4047 | 72" X 12' 8MM Twin Wall Clear POLYGAL Panel w/ Anti-Fog |
| 08-4057 | 72" X 16' 8MM Twin Wall Clear POLYGAL Panel w/ Anti-Fog |

Thickness, Weight & Insulation Values

| Product Profile | Thickness | | Weight | | U-Value | R-Value |
|---|-----------|----|--------|------|---------------|---------------|
| | in | mm | lb/psf | g/m2 | (Btu/h/ft2/F) | (Btu/h/ft2/F) |
|  | 1/4 | 6 | 0.27 | 1300 | 0.63 | 1.59 |
|  | 1/3 | 8 | 0.31 | 1500 | 0.60 | 1.67 |
| | 3/8 | 10 | 0.35 | 1700 | 0.53 | 1.89 |
|  | 5/8 | 16 | 0.55 | 2700 | 0.41 | 2.44 |

Light Transmission

| Product Profile | Thickness | Color or Tint | | |
|---|-----------|---------------|--------|-----|
| | | Clear | Bronze | Ice |
|  | 6 mm | 80% | 42% | 32% |
|  | 8 mm | 79% | 42% | 32% |
| | 10 mm | 78% | 42% | 32% |
|  | 16 mm | 74% | 42% | 32% |



100% Diffused 8mm Twin-wall Polycarbonate

Add Hanging Basket Space

Use swedge purlins to give you more hanging pot space.



Hanging Basket Line

| Item | Description |
|-----------|--|
| 81-510441 | 1 3/8" x 1 3/8" Cross Connector |
| 81-510440 | 2" x 1 3/8" Cross Connector Set |
| 81J15838 | 1 5/8" x 1 3/8" Cross Connector Set |
| 02-3150 | 16' 2.5" x 1.315 OD x 17 GA swedge purlin pipe |



Roll Up Side Components

Roll Bar Options

Below are two roll bar options.

- 1) Use the Alum Roll Tube with wiggle wire to secure your curtain fabric
- 2) Secure curtain fabric to purlin pipe with poly clip

| Item | Description |
|----------|--|
| 09-5237 | Alum Roll Tube 1.5"OD X 146"L W/Wirelock Slot Splice |
| 09-16501 | 6' Zig Zag Wire (2 per 12' base) |
| 02-3150 | 16' 2.5" x 1.315 OD x 17 GA swedge purlin pipe |
| 02-3101 | Poly clip for tube 1.25" used for roll-up sidewall |



09-5237
Alum Roll Tube
Alum Roll Tube joins end-to-end with inserted square splice piece hardware included.

02-3101
Poly clip for tube



Base Board Bracket

- (1) #10 x 1" Pan Head
- (1) #12 x 1" wood Pan Head

Item: RUBBB

This bracket holds the roll bar in place in the closed position.



Replacement Blower Motor 115v 4 Bolt CFM 146 W/AC Cord

- 115v
- 148 CFM – 1/30 HP
- Comes with cord & Adjustable air damper

Item: 09-1230

Learn more about Roll Up and Roll Up Kits.



Griffin Construction Department | Partner with us on your next project. Call for consultation and quote: 1.800.888.0054 then press 3.





Hi-Core® XL Glazing Construction Panels

Hi-Core® XL is a rigid, multi-wall, translucent sheet, made from a tough polyolefin alloy that is protected from UV and weather by an Environmental Protection System that is exclusive to Matra Plast. Light passing through Hi-Core® XL is highly diffused, (over 95%). Diffused light is bent to many different angles. Compared to non-diffusing materials, Hi-Core® XL allows the light to make a service building brighter or to penetrate deeper into the leaf canopy to impact with more crop. For more information, contact Griffin.



Sheet widths

48" (1220 mm), 72" (1830 mm), 80" (2030 mm) (Available Direct from Factory)

Sheet lengths

8' (2440 mm) to 50' (15,240 mm) (Subject to available transportation restrictions)

8MM Light Transmission (ASTM E 424-71): 73%

Insulation: R factor = 1.64 U factor = 0.61

Item: 08-4030

Size: 8mm panel 4' x 8'

Single and Double "H" Extrusions for 8 mm Hi-Core®

For use with 8 mm Hi-Core® structured sheets on end walls and side walls.



12' Single
Item: 09-5235

12' Double
Item: 09-5236

Crystalite Standard Flat Fiberglass

Economical greenhouse panel, ideal in moderate climates for use on side walls and gable ends, when initial cost is a prime factor.



Item: 07-3255

Size: 5 oz. Crystalite 4' x 50'

Drop Ship Only



Eskay-Lite Vinyl Covering

- 16 mil clear vinyl covering
- Unusually clear, very small light loss
- 4 year life under most conditions
- A good compromise between poly and fiberglass as cover material. Use on ends and sides for see-thru clarity

Item: 05-1025

Size: 16 mil 54" x 50'

Item: 05-1030

Size: 16 mil 54" x 225'

IMPORTANT NOTE: Eskay Lite and poly should never be applied so both products come in direct contact with one another. A chemical reaction will occur and product deterioration can result.

ACRYLITE® ACRYLITE® Acrylic Glazing for Greenhouses



Griffin Construction Department

Partner with us on your next project.

Call for consultation and quote:

1.800.888.0054 then press 3.

Creating optimal growing conditions with ACRYLITE®

ACRYLITE® multi-skin acrylic's state-of-the-art product features provide significant performance benefits in growing environments of all types. From the far north to the deep south. From tender seedlings and finicky exotics to hardy bedding plants and hydroponic vegetables. No matter where your operation is located or what you are cultivating, controlling the growing environment is critical to your bottom line. ACRYLITE® glazing puts the grower in control and provides solid return on investment over decades of use making it the best value in greenhouse covering available today. Let ACRYLITE® help you create the ideal environment for growth.

Reasons to choose ACRYLITE®

1. High light transmission for growth results
2. Never yellows
3. Protection from hail
4. Energy savings of over 40%* per year
5. Anti-condensate technology, with anti-algae technology
6. Strength and durability
7. Life expectancy of 30+ years
8. Environmental protection
9. The best warranties in the industry





Corrugated Single-Ply Polycarbonate

Griffin has both stocked panels and custom offerings to cover your polycarbonate glazing needs.

Griffin Stock Panels

Clear Greca Corrugated Polycarbonate Panels are commonly used to glazed greenhouse in cases where polycarbonate is desired, and multi-wall is not needed. Installation costs of corrugated polycarbonate do not require extrusions and so are less expensive than multi-wall installations.

Custom Orders

Need a Nonstock Piece of Polycarbonate?

Griffin has you covered. We offer a variety of widths, lengths, and colors of corrugated polycarbonate. All custom orders are direct shipped from Polygal FOB Freight Origin.

Custom Possibilities

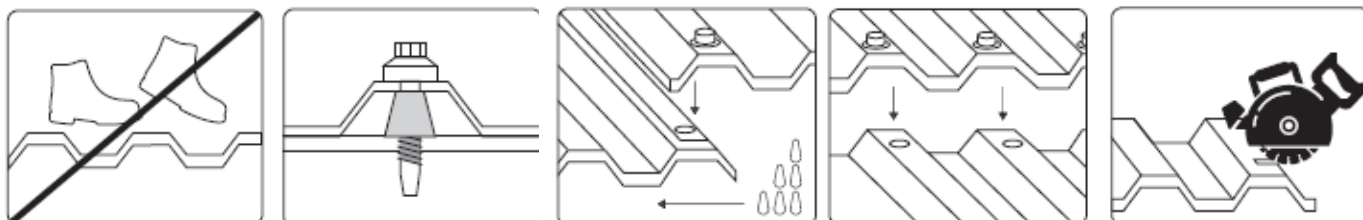
- Lengths up to 36'
- Width: 49.6"
- Available in clear, ice/white & 100% diffused

| Item | Description |
|---------|---|
| 08-4059 | 49.6" X 12' Clear Greca Corrugated Polycarbonate Panel 0.8 mm |
| 08-4060 | 49.6" X 16' Clear Greca Corrugated Polycarbonate Panel 0.8 mm |
| 08-4040 | Grecca Horizontal Foam Closure 3' length |
| 09-3525 | No Drip Spacer |
| 09-2255 | #12- Self Drilling Metal Screw 1 1/2" 100/Bag |
| 09-6023 | #12 X 5/8" Neo/Bonded Washer 100/Bag |
| 09-2251 | #10 Woodtite Screw 1 1/2" 100/bag |
| 09-6020 | #10 X 5/8" Neo/Bonded Washer 100/Bag |

Greca Corrugated Polycarbonate Panel

| Color | Light Transmission |
|-----------|--------------------|
| Clear | 89% |
| ICE/WHITE | 50% |
| DIFFUSED | 85% |

Installation Guides



HC Quality Doors

Aluminum Greenhouse Doors



Sliding Door Polycarbonate

Custom greenhouse doors made to fit any size opening. Below are Griffin's most popular options.

- Single Hung Swinging Door
- Single Sliding Door
- Double Hung Swinging Doors*
- Double Sliding Doors*

HC Quality doors are made with aluminum tubing with stainless steel hinges / hardware and standard polycarbonate glazing. 3'x8' and 4'x8' sized doors are popular sizes.

*Double Doors package includes two doors.



Double Hung Aluminum Door



Single Hung Aluminum Door



Double Sliding Aluminum Doors



Single Sliding Aluminum Doors



Griffin Construction Department

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1.800.888.0054 then press 3.



Trac-Rite®

Roll-Up Door

Strong, Smooth, Quiet - Rolled Into One Great Door

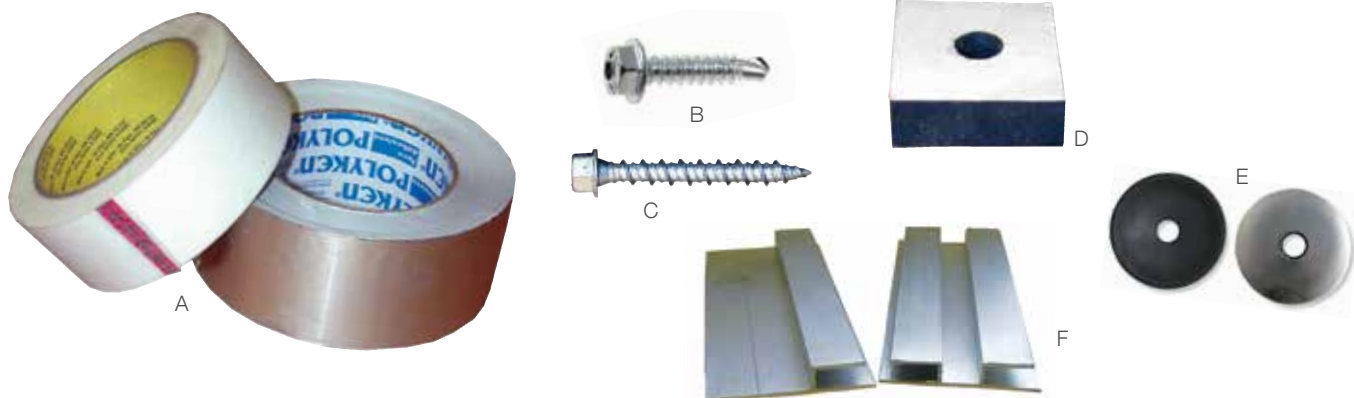
944 944^{wt} 955 955^{wt} 988 988^{wt}



Features

- Withstands higher wind loads
- Strong, durable materials
- Smooth, quiet operation
- Easy installation
- Custom sizes
- Multiple applications
- Low maintenance
- Minimal back room requirements
- Rust resistant
- 30/25 Year paint and 3-year material warranties

Accessories for Multi-Wall Polycarbonate Projects



Aluminum & Vent Tape (A)

- Vent Tape is used at bottom of PCSS*
- Aluminum Tape is used at top of PCSS*

#394 Vent Tape

Item: 09-6025

Size: 1½" X 36 yds

Aluminum Foil Duct Tape

Item: 09-6030

Size: 2" X 50 yds

Self Drilling Plated Screws #12 (B)

- Designed to drill, tap, and fasten in one operation
- Use in metal application
- Hex head self tapping - No Washer
- 1½" #12 HWH

Please Note: #12 Hex Head Self-Tapping Screws are available in bulk on request. Not stocked. Ask for sizing and pricing.

Item: 09-2255

Qty: 100/box

Self Drilling Plated Screws #10 (C)

- Designed to drill, tap, and fasten in one operation
- Use in Wood application
- #10 Woodtite Screw - No Washer
- Self drilling piercing point hex head

Item: 09-2251

Size/Qty: 1½" - 100/box

Foam Spacer (D)

- 1"x 1" x 3/8"
- One side sticky
- Used on purlins for spacer with PCSS*

Item: 09-6035

Qty: 100/bag

Washers (E)

Perma-Seal Sealing Washer

| Item | Description | Qty |
|---------|-----------------------------|---------|
| 09-5020 | #10 x 1½" Neo/Bonded Washer | 100/bag |
| 09-6020 | #10 x ¾" Neo/Bonded Washer | 100/bag |
| 09-6023 | #12 x ¾" Neo/Bonded Washer | 100/bag |
| 09-5026 | #12 x 1½" Neo/Bonded Washer | 100/bag |

Single & Double "H" Alum Extrusions for 8 mm Polycarbonate (F)

For use with 8 mm polycarbonate structured sheets on end walls and side walls.

12' Single

Item: 09-5235

12' Double

Item: 09-5236

Gable Framing Bracket

- (2) #14 x ¾" Tec screws
- (2) #14 x ½" wood screws

Item: 83-201000



CLIMATE CONTROL



Windmaster Exhaust Fans

- Slant arrangement protects motor and drives from weather
- High air flow capacity- shutter directs air to fan
- Select fan at 0.5" sp. instead of .10"
- Constructed of heavy gauge galvanized or aluminum
- Includes guard on outlet side
- Wiring knockout allows wiring connections inside building

Exhaust Fan with Slant Wall Housing - Stocked in 115 Volt

| Item | Size | Speed | HP |
|----------|------|-------|--------|
| 23-1121 | 24" | 1 | 1/3 HP |
| 23-1126 | 24" | 2 | 1/3 HP |
| 23-1131 | 30" | 1 | 1/2 HP |
| 23-1136 | 30" | 2 | 1/2 HP |
| 23-1141 | 36" | 1 | 1/2 HP |
| 23-1146 | 36" | 2 | 1/2 HP |
| 23-1150 | 42" | 1 | 1/2 HP |
| 23-1155 | 42" | 2 | 1/2 HP |
| 23-1165* | 48" | 2 | 1/2 HP |

All Guards for wall housings have 1" x 1/2" welded galvanized wire in aluminum frame for inlet side of wall housing. Outlet guards are included on WS wall housings as standard equipment. Inlet guards are mounted with quick release clips.

***Nonstock item:** order will ship direct FOB Freight Origin.



Automatic Aluminum Shutter

| Item | Fan Size | Wall Housing Model | Shutter Model |
|----------|----------|--------------------|---------------|
| 23-1240 | 24" | WS24DC | WAA2727 |
| 23-1245 | 30" | WS30DC | WAA3333 |
| 23-1250 | 36" | WS36DC | WAA3939 |
| 23-1255 | 42" | WS42DC | WAA4545 |
| 23-1260 | 48" | WS48DC | WAA5454 |
| 23-1265* | 54" | WS54DC | WAA6060 |



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Master-Ex®

Housing

Heavy gauge plastic and fiberglass provides strength and corrosion resistance while being easy to clean and mount. 14" thru 24" fans have plastic housing and diffuser. 36" thru 54" fans have fiberglass housing and plastic diffuser. The slant design on the DDPS improves performance and assists run-off condensation.

Propeller

Direct drive DDPS fan sizes 14" thru 36" feature stainless steel cambered twist blades riveted through the center, eliminating stress. Belt drive DDPS 36" fans are available with either stainless steel or galvanized propellers.

Motor

High efficiency motors are totally enclosed with shielded ball bearings for protection from the environment.

Frame

Stainless steel provides a strong vertical support that aligns the propeller centered in the orifice for maximum performance.

Front Guard

Heavy gauge and coated to prevent corrosion.

Inlet Guard

Heavy gauge welded galvanized wire in aluminum frame.

Shutter

Unique design lowers resistance with preventing back drafts. Available in aluminum or plastic.



Flomaster Motorized Shutters

- Precision counterbalanced aluminum blades open easier, wider to permit higher fan capacity
- Corrosion-proof nylon bearings throughout to help prevent sticking
- Suitable for dusty or humid applications
- Stainless hinge pins will not rust, ensure easy positive blade action
- All shutter blades are reinforced with polished galvanized steel rods, and equipped with double tie-rods
- Automatic: Used with exhaust fans; opens automatically when fan is on, closes automatically when fan is off
- Corrosion resistant heavy gauge aluminum frame
- Keeps out wind, rain, and back drafts when fan is not in operation (See fan selection for shutter sizes)



Shutter

| Item | Shutter Model | Overall | Opening | Sq. Ft. Opening | Wt. |
|---------|---------------|-----------|-----------|-----------------|-----|
| 23-1325 | WAAC1818MT | 18" x 18" | 15" x 15" | 1.56 | 10 |
| 23-1330 | WAAC2626MT | 26" x 26" | 23" x 23" | 3.67 | 14 |
| 23-1335 | WAAC3333MT | 33" x 33" | 30" x 30" | 6.25 | 18 |
| 23-1340 | WAAC4040MT | 40" x 40" | 37" x 37" | 9.50 | 22 |
| 23-1345 | WAAC6318MT | 63" x 18" | 60" x 15" | 6.25 | 19 |
| 23-1350 | WAAC6340MT | 63" x 40" | 60" x 37" | 15.42 | 35 |
| 23-1355 | WAAC6362MT | 63" x 62" | 60" x 59" | 24.58 | 52 |

Replacement Motor

| Item | Description |
|---------|--|
| 23-1362 | Damper Motor with Spring (Motor Only) 115v |
| 23-1375 | Motor and Linkage 115v |

Motorized Inlet Shutters

- Cam pulley operator provides long life to motor and is corrosion resistant
- Motor draws only 17 watts
- WAAC models are center pivoted to open easier against house static pressures
- Motors available in 24v, 115v, 230v, 460v (specify voltage required (Stock 115v))
- Replacement: Motors, motor and cam linkage or cam linkage only can be purchased separately.

DC/DCA Belt Tightener

- Designed to fit your Acme equipment
- Easy to install
- Payback starts immediately
- One unit fits both sizes

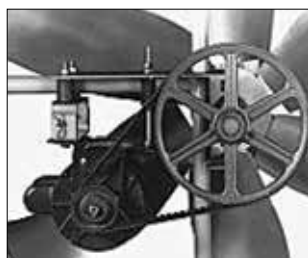
When you go into a greenhouse and hear the high pitched squeal of fan belts, you are listening to the sound of dollars being sucked out of the house. Manually keeping belts tight is a never ending job-an automatic belt tightener is absolutely necessary.

The bottom line? Saving on your electric bill and reduced maintenance (no more belts to tighten) for a very small capital outlay.

Stop Belt Slippage & Cut Electrical Usage



DC/DCA 24, 30 & 54



DC/DCA 36 through 48

Item: 23-1860



Adjustable Belt Makes Any Length You Need!

Stock One Belt Size to Suit all Your V-Belt Needs

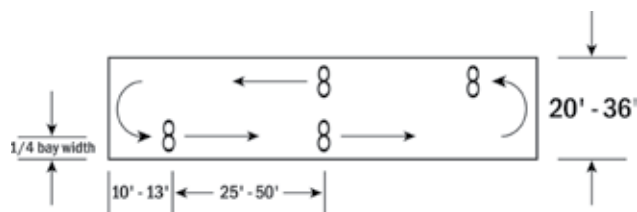
For permanent replacement of V-belts. Eliminates the need to stock extensive line of replacement belts.

- Unaffected by common horticultural chemicals
- Assembles to any length required, by hand, in seconds, without tools
- Easy to install without having to move motor to tension belt
- Increased fan and heater efficiency
- Longer belt life
- Higher heat resistance

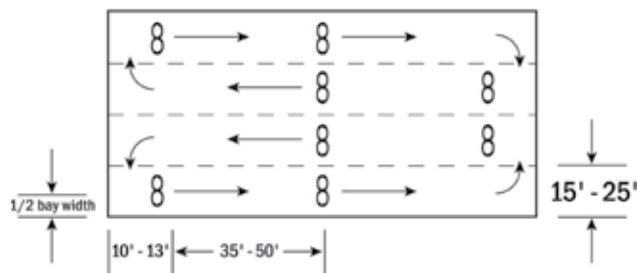
| Item | Width | Length |
|----------|-------|--------|
| 23-60251 | 1½" | 6 ½ ft |
| 23-60601 | 5⁄8" | 32 ft |

Horizontal Air Flow System

The Horizontal Air Flow (HAF) system has been proven to be the most efficient method for good greenhouse air circulation. The benefits of more uniform temperature, better growth and less disease help you produce higher-quality plants. Fan Capacity to keep the air mass moving at the 50–100 ft. / min. velocity, it takes a certain amount of energy to overcome turbulence and friction losses. A rule of thumb based on greenhouse trials and smoke bomb tests is 2 cu. ft. / min fan capacity for each square foot of floor area. For example, in the 30' by 144' greenhouse the total CFM fan capacity needed is $30 \times 144 \times 2 = 8640$ CFM. This can be reduced slightly in houses with plants grown only on the floor. It may need to be increased slightly in houses with crops such as tomatoes, roses or hanging baskets. Using 2475 CFM output fans, 4 fans would be needed.



Typical HAF fan placement in a narrow individual greenhouse.



Typical HAF fan placement for even number of bays.

2025

DRAMM

Dramm AME fans

- Shrouded design
- Sealed motor with quiet, cool operation and long life
- Variable speed control
- Engineered installation plans

350 mm HAF fan, 208-240V Single Phase, 1850 cfm

Item: 41-350MM

400 mm HAF fan, 208-240V Single Phase, 2860 cfm

Item: 41-400MM

These fans drop-ship to the site from the manufacturer.



SCHAEFER

12" Patented Plant Air® H.A.F. Fans

- Significantly more efficient air-to-energy usage than other fans
- Wider guards with less restrictive wire spacing allow for twice the air flow
- Variable speed capability (with optional control) allows for air flow control to accommodate temperature and crop changes
- No-maintenance, completely enclosed motor never needs oiling
- Model VT12PA: 1/10 HP, 115/230 volts, 1.3/.65 amps, 1725 RPM, 1649 CFM
- Includes unattached 120V cord with standard plug

Item: 23-5025



18" Multifan Horizontal Circulation Fan

- Powerful and quiet
- Energy efficient
- Easy installation and maintenance
- Variable speed with controller
- Versatile use - HAF and with poly tubes
- 120V, 240 V, and 3-phase options
- 3 year warranty on motor



| Item | Description |
|---------------|--|
| T4E45OBM81190 | HAF 18in 1/115V/60HZ UL W/CORD – 3,975 CFM |
| T4E45OAM81100 | HAF 18in 1/230V/60HZ UL – 4,000 CFM |
| T4D45OBM81100 | HAF 18in 3/230V/60HZ UL FC – 4,000 CFM |
| T4D45PAM81100 | HAF 18in HV 3/460V/60HZ UL FC – 4,025 CFM |

Variable speed controls available for all HAF fans

Multifan V-FloFan

- Constant air movement and vertical turnover of air
- Blows warm air down along the perimeter of the space
- Pulls cool air up in the center of the space
- Easy installation and maintenance
- 120V, 240V and three-phase
- 3 year warranty



| Item | Description |
|---------------|---|
| T6E40K1M81190 | VFLO V2 HE 1/120V/60HZ W/CORD – 3,060 CFM |
| T6E40K0M81160 | VFLO V2 HE 1/240V/60HZ – 3,060 CFM |
| T6D40K6M81160 | VFLO V2 HE 3/240V/60HZ FC – 3,060 CFM |
| T6D40K4M81160 | VFLO V2 HE 3/460V/60HZ FC – 3,120 CFM |

Variable speed controls available for all HAF fans

Horizontal Air Flow System

- Propeller - Aluminum blades held securely in place by a steel spider and hub provide quiet operation
- Motor - Heavy duty PSC, totally enclosed motor with automatic thermal overload protection and ball bearings is energy efficient. Motor can be used with variable speed control for more precise air movement
- Guards - Two piece wire guard for easy access has a gray plastic coating to resist corrosion
- Installation - Two piece rotational bracket provides a locking tilt adjustment for proper angle of air flow. "S" bracket provides two different dimensional mountings
- Wiring - Motor comes factory-wired on the "A4" with a 6'3" conductor cord with grounding type molded plug for easy installation



| | HAF12A4 | HAF20A4 |
|----------|---------|---------|
| Size | 12" | 20" |
| RPM | 1566 | 1626 |
| Motor HP | 1/15 | 1/15 |
| Voltage | 115/1 | 115/1 |
| Watts | 124.5 | 105.0 |
| Air Flow | 1145 | 3005 |

Item: 23-4020
Item: 23-4025

Size: 12"
Size: 20"

Greenhouse Thermostats

- Weather-proof Line Voltage
- 16 Full load amp rating at 120 Volt
- 30° to 110°F

| Item | Vendor | Description |
|---------|---------|--|
| 24-6001 | KJ16110 | Single Stage Thermostat |
| 24-6002 | KT16110 | Double Stage Thermostat |
| 24-6010 | KP16110 | Portable Prewired Single Stage Thermostat - comes with 8' cord |



DRAMM

Mechanical Thermostats

Dramm / Microfan mechanical thermostats are designed with rough environments in mind. These high quality thermostats are perfect for any situation where harsh conditions may damage less durable equipment. Protected in durable PVC housing, these thermostats offer stainless steel coil sensors and accuracy to 1° C.

| Item | Description |
|---------|--------------------------------|
| 24-2300 | T41-SV Single Stage Thermostat |
| 24-2305 | T42-SV Double Stage Thermostat |

Features:

- Durable PVC housing
- Unlimited accuracy
- Non-corrosive construction
- Sealed wiring strain relief
- Single-stage or two-stage



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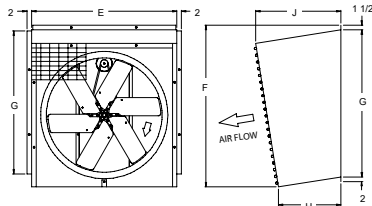


Economical, Practical, Effective

American Coolair's Type NBF/AL fan provides the solution to fresh air ventilation in most types of farm buildings. Type **NBF fans** are built to give you years of heavy-duty trouble-free service. The rugged, belt driven construction operates in any position, has permanently lubricated ball bearings, and is available with single or two speed totally enclosed motors. Coolair has developed a complete ventilation system for farm use combining the Type NBF fan with all aluminum shutter (Type LRW) and heavy gauge galvanized steel wall housing (square box or slope) for exterior mounting, allowing a maximum of unobstructed interior space. American Coolair's **AL all-aluminum fans** are the answer to concerns about rust and corrosion in today's damp greenhouse environment. Combined with an aluminum wall housing, an aluminum shutter, and a vinyl coated wire guard, the AL fan will provide years of trouble-free and corrosion-free service.

Exclusive Drive Assembly

Our engineering department has developed an innovative drive assembly for the Type NBF fan. Our use of quality materials and precise engineering techniques in constructing wheel assemblies assure you of years of quiet, trouble-free service. Power is applied through V-belts directly to the propeller with blade load concentrated directly over the bearings to eliminate overhang bearing load. The exclusive, time tested design has been widely acclaimed by engineers.



Type GSWH (Slope) Wall Housing

The SLOPE wall housing allows the shutter to be placed on the intake side of the fan and eliminates air turbulence that occurs with the shutter on the down-wind side of the fan. It prevents the warm air from being lost through the metal wall housing to the outside cold air in cold climate conditions. The GSWH housing is constructed of galvanized steel for long, durable wear and low maintenance.

| Fan Model | E | F | G | H | J | Ship wt |
|---------------|--------------------------------|----------------------------------|----------------------------------|--------------------------------|----------------------------------|---------|
| GSWH24/SWHA24 | 32 ³ / ₈ | 37 ¹¹ / ₁₆ | 32 ¹¹ / ₁₆ | 23 ⁷ / ₈ | 29 ¹ / ₁₆ | 52 |
| GSWH30/SWHA30 | 38 ³ / ₈ | 44 ¹ / ₂ | 38 ³ / ₄ | 23 | 29 ¹ / ₁₆ | 67 |
| GSWH36/SWHA36 | 44 ³ / ₈ | 50 ⁵ / ₁₆ | 44 ¹³ / ₁₆ | 22 ¹ / ₂ | 29 ⁹ / ₁₆ | 82 |
| GSWH48/SWHA48 | 50 ³ / ₈ | 56 ⁵ / ₁₆ | 50 ¹⁵ / ₁₆ | 21 ³ / ₄ | 29 ¹¹ / ₁₆ | 104 |
| GSWH48/SWHA48 | 56 ³ / ₈ | 62 ³ / ₈ | 57 | 21 ⁵ / ₈ | 30 ¹ / ₂ | 122 |
| GSWH54/SWHA54 | 62 ³ / ₈ | 68 ¹¹ / ₁₆ | 63 ¹ / ₁₆ | 22 ³ / ₄ | 32 ⁹ / ₁₆ | 132 |
| GSWH60 | 68 ³ / ₈ | 74 ¹ / ₄ | 69 ⁵ / ₈ | 22 ¹ / ₄ | 33 | 152 |

Rough Opening for GSWH Housings:

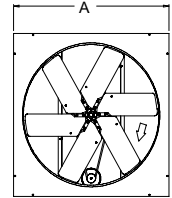
Add ¹/₂" to 'E' for Width
 Add ³/₄" to 'G' for Height
 For 4" Wall: Add ¹/₄" to 'G' for Height
 For 6" Wall: Add ¹/₂" to 'G' for Height



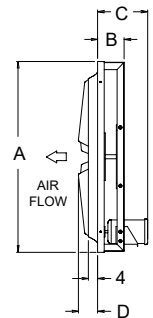
Type NBF Fan

Performance and Efficiency

When economy is measured in terms of cubic feet of air per minute per dollar invested, the Type NBF wall fan exhaust unit is unsurpassed. American Coolair's Type NBF fan is today's best investment, Coolair uses only the most efficient ball bearing motors available. They are totally enclosed resilient base motor.



| Fan Model | A | B | C | D |
|-------------|----|-------------------------------|--------------------------------|-------------------------------|
| NBF24/AL24 | 32 | 5 ⁵ / ₈ | 12 ¹ / ₂ | 5 |
| NBF30/AL30 | 38 | 5 ⁵ / ₈ | 12 ¹ / ₂ | 5 ⁵ / ₈ |
| NBF36/AL36 | 44 | 5 ⁵ / ₈ | 13 ³ / ₄ | 5 ¹ / ₄ |
| NBF42/AL42 | 50 | 5 ⁵ / ₈ | 13 ³ / ₄ | 5 ⁵ / ₈ |
| NBF48/AL48 | 56 | 5 ⁵ / ₈ | 13 ³ / ₄ | 6 ¹ / ₄ |
| NBFA54/AL54 | 62 | 5 ⁵ / ₈ | 13 ³ / ₄ | 6 ¹ / ₂ |
| NBF60 | 68 | 6 ⁵ / ₈ | 18 | 6 |



Coolair® Motorized LRW Air Inlet Shutter

The LRW Air Inlet Shutter is designed to be opposite side or end of buildings. It features a sturdy aluminum frame, aluminum blades, aluminum reinforcing brackets and nylon bearings on all movable linkage. The LRW Air Inlet Shutter is fully automatic and comes standard with a motor to automatically open and close shutters.

| Air Inlet Shutter Model | Air Flow Capacity CFM | Required Opening Dim. | Overall Dim. Including Flange |
|-------------------------|-----------------------|-----------------------|---|
| LRW16E | 1,000 | 17 x 17 | 19 ¹ / ₄ x 19 ¹ / ₄ |
| LRW21E | 1,800 | 22 x 22 | 24 ¹ / ₄ x 24 ¹ / ₄ |
| LRW27E | 3,000 | 28 x 28 | 30 ³ / ₄ x 30 ³ / ₄ |
| LRW33E | 4,500 | 34 x 34 | 36 ⁵ / ₈ x 36 ⁵ / ₈ |
| LRW39E | 6,300 | 40 x 40 | 42 ³ / ₄ x 42 ³ / ₄ |
| LRW45E | 8,400 | 46 x 46 | 48 ³ / ₄ x 48 ³ / ₄ |
| LRW51E | 10,700 | 52 x 52 | 54 ¹ / ₄ x 54 ¹ / ₄ |

| Air Inlet Shutter Model | Air Flow Capacity CFM | Required Opening Dim. | Overall Dim. Including Flange |
|-------------------------|-----------------------|-----------------------|---|
| LRW57E | 13,400 | 58 x 58 | 60 ³ / ₄ x 60 ³ / ₄ |
| LRW66E | 18,000 | 67 x 67 | 69 ³ / ₄ x 69 ³ / ₄ |
| LRW4527E | 5,000 | 46 x 28 | 48 ³ / ₄ x 30 ³ / ₄ |
| LRW4515E | 2,800 | 46 x 16 | 48 ³ / ₄ x 18 ³ / ₄ |
| LRW6024E | 6,000 | 61 x 25 | 67 ¹ / ₄ x 27 ¹ / ₄ |
| LRW6036E | 8,900 | 61 x 37 | 64 ¹ / ₄ x 39 ¹ / ₄ |

Evaporative Cooling Systems

Evaporative Cooling in Concept: To counter periods of extreme temperature that affect in-house environments and therefore production, Coolair Evaporative Cooling Pad Systems are used with outstanding success. When large quantities of air are pulled through Evaporative Cooling Pads that are saturated with water, a substantial cooling effect is realized due to the evaporation of that water. Used in conjunction with Coolair fans, a temperature reduction of 10-25 degrees is commonplace. Suited for virtually all geographic locations, the Coolair Evaporative Cooling System delivers the greatest economic benefits to areas where higher temperatures during longer periods of time are normal. Coolair has created a brown out housing accessory for their current evaporative cooling systems and is an easy retrofit if needed. The brown out housing attached to their evaporative cooling system in conjunction with light traps is the perfect system for all of your light deprivation needs.



Weatherproof Line Voltage Fan Control

- Great for control of 120v fans/ventilators
- On/Off control with minimum speed adjustment for motor types
 - shaded pole, PSC and universal
- Weather & corrosion proof all polycarbonate thermoplastic construction
- Standard 7/8" opening
- Rating: 5 amps at 120 volts

Item: 24-6020



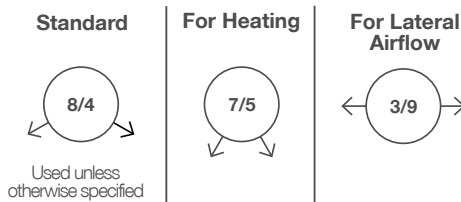
Ultra Violet Ventilation Tubing

Engineered to your specifications

For greenhouse use, Ultra Violet Tubing is used where the sun is most intense, or wherever a longer lasting tube is desired. If handled properly, it should last for two seasons of service, thus requiring less frequent replacement.

Punch Positions

Numbers in circle are as positions on a clock.



Custom length ordering notes:

- All tubing is custom cut and punched
- All orders under 50' in length are subject to an up-charge
- Shipped direct from factory; allow shipping time (FOB factory)

| Item | Diameter | Lay Flat Measurement |
|---------|----------|----------------------|
| 23-3030 | UV 12" | 19" |
| 23-3035 | UV 18" | 28½" |
| 23-3045 | UV 24" | 38" |
| 23-3050 | UV 30" | 47½" |

Tube Hanger Set

Unique hanger clamps onto tubing for easy attachment to overhead support wire with snap ring.

Item: 23-1825



Tube Support Wire Package

Wire support kits, available in 50', 100' and 150' lengths, include six strand 10 gauge wire, turnbuckle and 2 securing clips.

Item: 23-1875 **Size:** 50'
Item: 23-1880 **Size:** 100'
Item: 23-1885 **Size:** 150'

Recommended Spacing

12" tubing every 10 ft.
 18" tubing every 10 ft.
 24" tubing every 8 ft.
 30" tubing every 6 ft.

BioTherm's Cultivation Climate Technologies are tailored to specific climate and growing conditions. Their systems are durable and efficient, which results in high-success rates and peak crops. They now offer some of their climate systems in pre-packaged configurations, providing climate technology systems to growers of all sizes—no engineering needed!

BioTherm has invested over four decades into developing rugged climate solutions that are robust and designed to go the distance to help plants thrive.

Upstart® Professional Rootzone Heating Kit

Start your own plants with a professional hot water rootzone heating system!

- Heats up to 500 sq. ft. of growing space
- Uses a locally acquired hot water heater
- System comes complete with a remote media sensor for control

How it works:

Upstart head unit is attached to your water heater. Hot water is pumped through BioTherm's Roll'N Grow Mat. Plants are placed directly on the mat. The media temperature sensor tells the head unit when to cycle on & off to maintain optimum media temperature.

Product includes:

- 1 – Upstart Heat Unit
- 1 – 4'x25' Roll'N Grow Heating Mat
- 1 – Piping & fitting pack (up to 25' distance)

Ship weight: 91lbs. *Custom configurations are available for \$250 fee



2025

BT-530 Overhead Dehumidifier

The BT-530 Dehumidifier has been meticulously designed with today's indoor grow environmental challenges squarely as its foundation.

Independent laboratory testing has proved the BT-530 airflow rate is superior to its closest rivals in tests performed at the industry standard conditions of 80°F/ 60%RH. This industry leading performance results in potentially requiring less units to cover a grow area than comparable units.



Roll'n Grow™

Roll'n Grow™ is the perfect way to apply Root Zone Heating (RZH) to growing beds or benches! Like a carpet, your growing surfaces can now be covered with growth-enhancing gentle heat in a fraction of the time it used to take.



For larger, engineered climate technology systems, please contact Griffin's construction department.



Griffin Construction Department

Partner with us on you next project. Call for consultation and quote: 1.800.888.0054 then press 3.



Your Extended Forecast:
Up to 97% Efficiency with 100% Chance of Savings.

High-Efficiency Condensing Gas-Fired Separated Combustion Unit Heaters

IN COMPARISON, THERE'S NO COMPARISON.

Modine's Effinity (model PTC) condensing unit heater line is the most efficient gas-fired, condensing unit heater in North America.

With six models available — from 135,000 to 310,000 BTU/hr — all operating at up to 97% efficiency, the Effinity will dramatically lower energy costs through decreased fuel consumption.

Effinity Propeller Unit Heater Model PTC General Performance Data

| Model PTC Sizes | | | | | | | | | | |
|----------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| | 55 | 65 | 85 | 110 | 135 | 156 | 180 | 215 | 260 | 310 |
| BTU/Hr Input | 55,000 | 65,000 | 85,000 | 110,000 | 135,000 | 155,000 | 180,000 | 215,000 | 260,000 | 310,000 |
| BTU/Hr Output | 51,150 | 60,450 | 79,050 | 102,300 | 125,500 | 144,150 | 167,400 | 199,950 | 241,800 | 288,300 |
| Condensate Production (Gal./Hr.) | 0.3 | 0.4 | 0.5 | 0.7 | 1.0 | 1.1 | 1.3 | 1.6 | 1.9 | 2.3 |
| Entering Airflow (CFM) @ 70°F | 1097 | 1141 | 1650 | 1750 | 2160 | 2600 | 3020 | 3865 | 4585 | 5400 |
| Outlet Velocity (FPM) | 618 | 650 | 619 | 668 | 719 | 862 | 676 | 699 | 831 | 765 |
| Air Temp Rise (°F) | 43 | 49 | 44 | 54 | 54 | 51 | 51 | 48 | 49 | 49 |
| Max Mounting Height (ft.) | 12 | 12 | 13 | 13 | 14 | 18 | 15 | 17 | 20 | 19 |
| Heat Throw (ft.) @ Max Mtg Ht | 43 | 43 | 48 | 46 | 51 | 62 | 53 | 60 | 70 | 67 |
| Motor Type | PSC | PSC | PSC | PSC | PSC | PSC | PSC | PSC | PSC | PSC |
| Motor HP | 1/8 | 1/8 | 1/8 | 1/3 | 1/3 | 1/3 | 1/3 | 1/2 | 3/4 | 3/4 |
| Motor RPM | 1440 | 1440 | 1550 | 1075 | 1075 | 1075 | 1075 | 1075 | 1125 | 1125 |

Hot Dawg Heater

Gas-fired, Power-exhausted, Low Profile (Also available in Separated-Combustion)

| Propeller | Model Number | | | | | |
|-----------------------------|--------------|--------|--------|--------|---------|---------|
| | HD 30 | HD 45 | HD 60 | HD 75 | HD 100 | HD 125 |
| BTU/Hr Input | 30,000 | 45,000 | 60,000 | 75,000 | 100,000 | 125,000 |
| BTU/Hr Output | 24,000 | 36,000 | 48,000 | 60,000 | 80,000 | 100,000 |
| Vent Dia. (in.)* | 3 or 5 | 3 or 5 | 3 or 5 | 3 or 5 | 4 or 6 | 4 or 6 |
| CFM @ 70°F | 505 | 720 | 990 | 1,160 | 1,490 | 1,980 |
| Air Temp Rise (°F) | 44 | 46 | 45 | 48 | 50 | 47 |
| Max Mounting Height (ft.)** | 10 | 10 | 12 | 14 | 12 | 16 |
| Heat Throw (ft.)** | 25 | 27 | 36 | 38 | 42 | 56 |
| Motor HP | 1/25 | 1/15 | 1/12 | 1/12 | 1/12 | 1/8 |

*Vent size varies depending upon application.

**At 65°F ambient temperature and unit fired at full-rated input. Mounting height is measured from floor to bottom of unit.



- 80% Thermal Efficiency
- Horizontal or vertical venting
- Field convertible to propane
- Low profile casing
- Direct spark ignition
- 100% Shut-off with continuous retry
- Mounting brackets supplied
- Commercial or residential applications



Gas-Fired, Power-Exhausted High-Efficiency Unit Heaters

(Also available in Separated-Combustion)

- 80% Thermal efficiency
- Rotating power exhaust
- Horizontal or vertical venting
- Field-convertible to propane
- Field-adjustable level hanging
- Intermittent pilot ignition, 100% shut-off with continuous retry



| Propeller | | Model Number | | | | | | |
|--------------------------|--|--------------|---------|---------|---------|---------|---------|---------|
| | | PDP 150 | PDP 175 | PDP 200 | PDP 250 | PDP 300 | PDP 350 | PDP 400 |
| BTU/Hr Input | For power exhausted models rated 30,000 to 125,000 BTU/hr, Please see the previous page. | 150,000 | 175,000 | 200,000 | 250,000 | 300,000 | 350,000 | 400,000 |
| BTU/Hr Output | | 120,000 | 140,000 | 160,000 | 200,000 | 240,000 | 280,000 | 320,000 |
| Vent Dia (In.) | | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| CFM @ 70°F | | 2180 | 2550 | 2870 | 3700 | 4460 | 4870 | 5440 |
| Air Temp Rise (°F) | | 51 | 51 | 52 | 50 | 50 | 53 | 54 |
| Max Mounting Height (ft) | | 16 | 17 | 15 | 19 | 21 | 20 | 19 |
| Heat Throw (ft)* | | 55 | 59 | 51 | 67 | 74 | 70 | 69 |
| Motor HP | | 1/8 | 1/6 | 1/6 | 1/3 | 1/2 | 3/4 | 3/4 |

Many sizes in stock. Call for more information.

* At 65° ambient temperature and unit fired at full-rated input. Mounting height is measured from floor to bottom of unit.

Horizontal Power Vented Unit Heater

Horizontal power vented, PTP unit heater line. The PTP delivers 80% thermal efficiency in a small business-friendly package. This unit features a stainless steel tubular heat exchanger as standard on all units with a 10-year heat exchanger warranty that provides customers with a peace of mind. The PTP is available in 7 models sizes - 150,000 to 400,000 BTU/hr.



Steam and Hot Water Unit Heaters

Proven for greenhouse, industrial and commercial application. Has adjustable horizontal air deflector blades. Vertical deflector blades are optionally available for complete directional control. Horizontal units available with top/bottom inlet/outlet piping connections.

Verticals are designed for overhead and out-of-the-way mounting. Four deflector types are available for various air distribution patterns, from high, jet-like beam to low, broad, gentle cone. V models have copper tubes, VN models have cupro nickel tubes.



IMPORTANT NOTE: Installation instructions must be strictly followed for all Modine units to avoid damage.



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Call for consultation and quote: 1.800.888.0054 then press 3.



Oil & Gas Heating Systems



Heatmaster Oil Models

200, 300 or 400,000 BTU



Quantum Models

180,000 BTU (Gas) or 210,000 BTU (Oil)



Heat Reclaimer

Gain 5% efficiency



Royal Models

240,000 BTU (Oil or Gas), 320,000 BTU (Oil),
or 360,000 BTU (Gas)



Heatwave Waste Oil Heater

150, 250, or 350,000 BTU



Drop Ship Only

All of the Siebring heaters listed
on this page are drop ship only.



A controller solution for any grower's needs.

Link4 offers a full line of commercial controllers that will solve any size or complex environmental or irrigation application. Cloud based controls allow you to monitor and control your situation from a remote device and develop reports from the stored data.



Greenhouse Controllers

Pearl Controller & Pearl Protect

The Pearl is easy to install, expand, and maintain due to its building-block design. Control modules allow growers to customize the controller based on their specific needs. When the Link4 Cloud software is connected to the Pearl everything in the greenhouse can be monitored from anywhere. All systems are backed by Link4's industry-leading technical support team.

- Modular Design
- Scalable and Flexible Buy what you need today, expand later
- Powerful Controls: The Pearl can handle large and complex grow zones.
- Large Scale Systems: 256 outputs, 128 inputs, 128 user-defined controls.
- Modular Design: Snap-in control blocks that can be installed in seconds. The Pearl is easy to install, expand, and maintain due to its building-block design. Control modules allow growers to customize the controller based on their specific needs.
- When the Link4 Cloud software is connected to the Pearl, everything in the greenhouse can be monitored from anywhere. All systems are backed by Link4's industry-leading technical support team. Actual switch positions are remotely detected for possible issues.
- Manual Override Switches.

Irrigation/Fertigation

iDoser

A complete plug-and-play fertigation system for your growing operation. Automatic recipe switching and delivery scheduling with EC and pH monitoring for accurate plant nutrition. Additional control options – add functionality to enhance control or send alerts.

Additional Control Options

iDrive

Communicates and controls vents, curtains, and wall vent AC or DC motors with 5 position manual override switch, motor reverse delay and high quality components.

iOptimizer

Regulate the output of fans and pumps for energy savings and optimization of air flow patterns.

Contactors Panels

Operates the on/off signal between the controller and equipment. Saves electrical installation costs. UL Listed.

RO Systems

L4 RO System

Produces high purity water by reducing contaminants such as dissolved minerals, particulates, and organic impurities using a reverse osmosis membrane system. Complete, skid mounted, pre-plumbed, pre-wired reverse osmosis (RO) system for quick installation and start-up.





Seed™



- Custom programmed to include all your equipment
- Zone screen displays comprehensive information for each zone including:
 - Current sensor and equipment status
 - Displays explanation for equipment status including anticipated changes
 - Select view to display equipment response based on temperature or humidity
 - Quick access to graphs, setpoints and equipment settings
 - Bulk override allows user to quickly turn on or off multiple pieces of equipment
 - Zone profiles save settings for seasonal or crop transitions
- Graph data can be viewed from minutes to months and anything in-between
- View and graph all weather data
- Sensor Pools Screen allows calculated responses involving of multiple sensors including:
 - Vapor Pressure Deficit (VPD), Daily Light Integral (DLI), Wet Bulb Dry Bulb Relative Humidity
 - Allows for averaging multiple sensors over time
- Background reflects day, night, rain or snow conditions
- History for 30 days. Unlimited history option with Wadsworth. Cloud subscription.
- Compatible with HE Anderson fertigation (J+ Advanced Hybrid)
- Soil Analyzer reads soil temperature, moisture, and electrical conductivity (EC) to allow for specific alarms, watering schedules, and data analysis
- Advanced humidity control

Wadsworth Cloud



- Access the app on your iOS, Android, or computer for quick and easy changes to your settings
- Historical data is backed up to the Cloud
- Manage multiple sites
- Subscription based
- Select snapshot schedules and number of users to suit your needs
- No third-party software required
- Real time alarm notifications via text and or/email
- System disconnect alert if your site loses connection to the Cloud
- Cloud access user management: control who can access remotely

juniper



Introducing our newest climate control, designed to provide value and accessibility, juniper manages the essentials while offering app and Cloud options. With an intuitive interface that moves seamlessly between platforms, juniper keeps it simple.

- 2 heating stages, 4 cooling stages
- 3 configurable setpoint periods with split heating/cooling targets and ramping
- 2 modulating outputs for vents or curtains
 - Vents can be set to specific positions based on staging or modulate based on temperature
 - Curtains can cover for cooling and heat retention
 - Equipment pulsing to synchronize position
- Graphing data points and equipment run times
- History for 30 days. Unlimited history option with Wadsworth. Cloud subscription.
- Snapshots and data exporting for external backups and analysis
- Easily upgrade from existing control
- Ability to expand and upgrade as your needs change

PowerPull Energy Curtain

Save on your heating bill

Save 30-40% on energy costs. It's an efficient way to cool, control light and heat loss. This truss-to-truss system does not stress the greenhouse and has minimal maintenance.

- Positive drive rack and pinion system — no cable to re-tension
- Fabric glides between monofilament or stainless steel lines
- Each project custom engineered with drawings
- Slow-moving system optimizes management of cold air spill
- Built-in safety limits protect your system
- Durable fabric resists UV, heat and chemicals
- Small bundle size ensures minimal shade
- Positive seal when closed
- Flexible design, easy installation for new projects or retrofitting
- Cools 10°-15° F during warm months
- Reduces plant stress
- Saves, on average, 50% on energy bills when fully sealed at night
- Complete engineering package and installation manual

VC - 2000 ILS 3RP Drive Unit

Our drive units set the standard for smooth operation and reliability.

- Thermal overload protection – automatic reset – continuous duty
- Quick reversing
- Worm gear with tapered roller bearings on dual output shafts immersed in synthetic oil
- Dual output shaft
- Sealed for life; limited or no maintenance required
- Superior heat dissipation through fin & casting design
- Gear motor: 1/5 HP - 115V; 60Hz; 2.5amps - TEFC
- Ball bearing motor with copper windings - Class B insulation
- Gear reducer: total reduction 1350:1; 1.2 and 3 RPM final output
- Output torque 1500 inch lb / 169 Nm
- Lifts up to 325' of 4' polycarbonate roof ridge vent or 400' of 4' polycarbonate side vent

| Item | Description |
|--------|--|
| M-1550 | VC 2000/ILS 1-3/8" O.D. Shaft (No Control) |
| M-1555 | VC 2000/ILS 1-5/8" O.D. Shaft (No Control) |

Drive unit also comes in a 1.2 RPM speed in both coupler sizes



Rack and Pinion Systems

Connecting the vent to the shaft, the rack pushes the vent open or pulls it closed

- Aluminum rack and pinion
- Corrosion-proof pinion gear
- Easy alignment, the rack works even when it's not perfectly square with vent
- Available in straight or curved, to accommodate tight spaces



Versatile Vent Control

If you don't have an environmental control, the Versatile Vent is available with an aspirated temperature sensor and cable. It will open your vent or roll-up sidewall in four increments: closed, 1/4 open, 1/2 open and fully open.



Versatile Vent Complete Package

- Control indicates power, open, close and alarm
- Adjustable idle delay to reduce wear
- Adjustable run time to insure continued accuracy
- Independent vent management controller
- Manual override toggle switches
- Includes transformer and relays
- The unit displays temperature, vent position
- Easy to program – the instructions on the faceplate
- Temperature Alarm output
- Acts as lead control for up to six 2R Follower Controls
- Works with our Weather Guard control
- Includes aspirated temperature sensor and 100' of cable, wiring diagrams
- NEMA 4 rated cabinet (7.1" x 11.8" x 7.8") / UL Listed

Item: M-1460

SENSAPHONE®
REMOTE MONITORING SOLUTIONS



Sensaphone™ 400 Monitoring System

Security Monitoring System

- Phone line needed for operation
- Continually monitors major environmental conditions
- Provides instant, verbal communication
- Lets you listen in to "live" sounds in your house
- Keeps working, even if there's a power failure
- Automatically dials up to 4 numbers, 32 digits
- A snap to install

The Sensaphone system allows you to establish two-way communication and direct security monitoring of your property, even when there's no one there.

It calls to tell you there's a problem and reports on:

- Power failure
- Temperature changes

Detection Options Available:

- Fire and smoke
- Leaks or flooding
- Intruders and more

| Item | Vendor # | Description |
|-----------|----------|---------------------------------|
| 24-3145 | FGD 400 | Sensaphone Model #400 |
| 24-3130 | FGD 0100 | Remote Temperature Sensor |
| 60FGD0101 | FGD 0101 | Weatherproof Temperature Sensor |

Thermalarm III

Thermalarm III is a temperature sensitive instrument containing an ambient temperature-indicating hand and two adjustable side hands for limiting the temperature range. When properly installed it will trigger a 6 to 12-volt alarm system when the temperature reaches a predetermined high or low setting.



- Hermetically sealed contacts
- Easily adjusted set hands
- Improved corrosion resistance
- Quicker response to temperature changes

Item: 24-2125

MONITOR YOUR ENVIRONMENT FROM ANYWHERE!

Environmental Monitoring for the mobile age with the Sentinel cloud-based monitor. Sentinel can call, text or email alarms to an unlimited number of contacts. Connect up to 12 sensors to monitor environment.

Sentinel

Cloud-Based Environmental Monitoring

The Sentinel remotely monitors greenhouses to prevent loss of valuable plant assets. The system is ideal for greenhouse operators, commercial growers and retailers. The Sentinel system monitors up to 12 different environmental and equipment status conditions including temperature, humidity, power failure and water detection.

When the system identifies issues, it instantly sends alerts via phone, text or email over a standard internet connection. Users can access information and make system changes from any web-enabled device or mobile app. The system stores all readings in the cloud, which protects against data loss, provides unlimited information storage and allows multiple devices to be managed from one account. No software is required, so installation, integration and management are easy. A cellular option is available for locations where there is no internet connectivity.

- Notifies an unlimited number of people by e-mail, text message or voice phone calls in the event of an alarm
- Up to twelve external sensors monitor temperature, humidity, water and more
- Temperature sensing range of -109° to 168°F | -85° to 76°C
- Manage multiple units, make programming changes and access status conditions using a simple, powerful web-based interface

Item: 24-3135



WINLAND ELECTRONICS, INC.

Mechanical Temp Alert With Display MTA-2

Mechanical Temperature Monitoring where climate control is essential – in computer rooms, residential/vacation homes, greenhouses, animal/livestock buildings or any unattended building.

Item: 24-4130





Growmaster Growcom

Single Zone Advanced Computer Control

Enjoy the same precision control of our Growmaster Procom, a single zone environment with our Growcom system. We have packed the most common environmental control equipment in use in a single zone control system. The Growcom can also be used with our Growlink Windows-based software. A Zone Temperature Sensor, as well as a Solar Sensor, come with the Growcom. The Growcom features four separate daily operation modes including DIF. Low voltage 24 VAC operation.

- Use as a stand alone system, or with your PC with our Growlink system
- Cooling, air circulation, ventilation, and shading equipment
- All heating equipment including hot water valves and boilers
- Optional fogging and dehumidify with humidity sensor available
- Full alarm functions and sensor history record and display for 30 seconds

Item: 24-5000



Growmate

For Smaller Installations

The Growmate offers many of the very same features as the Growmate Plus. It is designed for smaller greenhouses, but offers exacting computer-based control of cooling, heating, and air circulation equipment. DIF settings, separate day and night temperature control, and manual override switches are standard features. Low voltage 24 VAC operation.

- Accurate microprocessor control
- Large digital display and convenient program switches
- Three cooling stages, two heating stages
- Air circulation output for HAF fans
- DIF operations are standard

Item: 24-5024



Ventmate Plus

The Ventmate Plus has the same enhanced features of the Growmate Plus system, yet it is designed for use with ventilation cooled structures. Two separate ventilation outputs can control roof vents, side vents, roll ups walls, or retractable roof ranges. Vents may be operated in up to eight separate stages of operation. Add on a Weatherstat or Weathermaster for wind and rain roof vent safety overrides. Separate day and night temperature settings, as well as DIF come standard. As on all of our control systems, manual override switches are a standard feature. Low voltage 24 VAC operation.

- Accurate microprocessor control
- Cost effective solution for heating, venting and air circulation
- Day, night and DIF settings
- Optional humidity sensor available
- Large digital display

Item: 24-5026

Growmate Plus

Affordable, Accurate, Control

An affordable choice for many growing operations, the Growmate Plus puts the power of a microprocessor based control system in your hands at a price that anyone can afford. All temperature settings can be adjusted independently for day and night heating and cooling, as well as DIF settings. A large and informative display assists in programming, while providing a constant readout of all sensors. Manual override switches for all outputs are conveniently located on the front panel. Includes a temperature sensor and photocell. An optional humidity sensor is available for accurate and true dehumidify functions. Low voltage 24 VAC operations.

- Accurate microprocessor control
- Large digital display and convenient program switches
- Five cooling stages, two heating stages
- Air circulation output for HAF fans
- DIF operations are standard
- Optional humidity sensor available

Item: 24-5025



All Items on this page are not stocked. Prices are FOB Factory.



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Environmental Controls

- LED display or touchscreen interface
- Multiple dry contacts
- Holds programming in power outage
- Variable vent motor run time (incremental opening)
- Variable pause interval between vent opening
- DIF growing and light deprivation ready (model dependant)
- Optional sensors override
- Quick & easy programming
- Manual override feature
- 2-year limited warranty
- 100' temperature sensor included
- Optional remote control (AEGISTECP)

| Vendor # | Screen | Supply Power | | Motors | Output Power | Watt |
|--------------|--------|--------------|-------|--------|--------------|------|
| 41-VCU2-24 | LED | 110AC | 220AC | 2 | 24V DC | 300 |
| 41-AEGISTEC | Touch | 110AC | 220AC | 3 | 24V DC | 300 |
| 41-AEGISTECP | Touch | 110AC | 220AC | 3 | 24V DC | 600 |



2025

Curtain Drive & Rack & Pinion Motors

- 24 Volt DC
- 5-year limited warranty*
*When used with an Advancing Alternative controller
- High torque output in a compact design
- Easy access limit switches (directional limits)
- Guide wheel assembly for left or right output
- Multiple roll bar diameter adapters available
- Single and dual output shafts available



| Vendor # | Amps | Watt | Output Torque/Speed | Mounting | Output | Shaft |
|----------------|------|------|---------------------|------------|--------|-------|
| 61-LVM60-GW | 3 | 72 | 60Nm 2.7 RPM | Guidewheel | Single | 20 mm |
| 61-LVM100-GW | 4.2 | 100 | 100Nm 3 RPM | Guidewheel | Single | 20 mm |
| 61-LVM1002D-GW | 4.2 | 100 | 100Nm 3 RPM | Guidewheel | Dual | 20 mm |



Rack & Pinion Motors

| Vendor # | Amps | Watt | Output Torque/Speed | Mounting | Output | Shaft |
|---------------|------|------|---------------------|------------|--------|-------|
| 61-LVM100-SRP | 4.2 | 100 | 100Nm 3 RPM | Stationary | Dual | 20 mm |
| 61-LVM180-SRP | 10.2 | 250 | 200Nm 4.45 RPM | Stationary | Dual | 22 mm |

Roll Bar Adapters for Motors

| Item # | Roll Bar Style | Motor Shaft |
|---------------|---------------------------------|-------------|
| 65-RBA20M-1.3 | 1.315" OD Roll Bar | 20 mm |
| 65-RBA20M-1.5 | 1.5" OD Aluminum Bar | 20 mm |
| 65-RBA20M-SC | 2" Aluminum Side Clasp Roll Bar | 20 mm |
| 65-RBA22M-1.3 | 1.315" OD Roll Bar | 22 mm |
| 65-RBA22M-1.5 | 1.5" OD Aluminum Bar | 22 mm |
| 65-RBA22M-SC | 2" Aluminum Side Clasp Roll Bar | 22 mm |

Curtain Packages

- Inflatable High Tunnel Curtains
- Internal Curtain Walls
- Inflatable Gutter Connect Curtains
- External Curtain Walls
- Retrofit Rack & Pinion Systems
- Roll to Peak Light Deprivation



2025

Manual Gear Crank Packages

GCP5:1B Gear Cranks

Recommended for curtain lengths up to 120'. Includes guide pipe hardware and adapter for Side Clasp Roll Bar or 1.315" roll pipe.



Description

Using Side Clasp

Using 1.315" OD

Minimum of a 10" baseboard is required to use this operator.

GCP7:1 Gear Crank

For curtain lengths up to 72' ONLY. Package includes one adapter, guide pipe hardware, and choice of short or 24" crank handle.



Description

Using Side Clasp

Using 1.315" OD

GCP13:1 Gear Crank

Gear Crank can be used on curtains up to 240'. Package includes one adapter, guide pipe hardware, and choice of short or 24" crank handle.



Description

Using Side Clasp

Using 1.315" OD

GCP15:1 Gear Crank

Gear Crank can be used on curtains up to 300'. Package includes one adapter, guide pipe hardware, and choice of short or 24" crank handle.



Description

Using Side Clasp

Using 1.315" OD

All Items on this page are not stocked.



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P.L. LIGHT SYSTEMS
THE LIGHTING KNOWLEDGE COMPANY

High Pressure Sodium Lamps

Lighting options to increase intensity for increased growth and day length extension for photoperiod control. Higher percentage of red light than from metal halide fixtures.

HSE NXT2 | Electronic ballast for quiet operation and extended lifetime. Cooling ribs for more efficient heat dispersal. Double ended lamps. Use with Alpha or Beta reflectors. **600W:** 277V or 347V. 1450 $\mu\text{mol/s}$. **1000W:** 277V, 347V or 400V. 2100 $\mu\text{mol/s}$.

HSE NXT-LP | Designed especially for low profile mounting for low ceiling height applications. Double ended lamps. Dimmable, electronic ballasts. Use with Alpha or Beta reflectors. **600W:** 277V or 347V. 1450 $\mu\text{mol/s}$. **1000W:** 208V, 240V, 277V or 347V. 2100 $\mu\text{mol/s}$.



PL LIGHT IQ

Achieve multi-zone lighting control of up to 512 ballasts in up to 4 zones. Works with control-enabled NXT-LP fixtures.



Alpha



Beta

CHOOSING REFLECTORS

Superior reflector technology from PL Light Systems can reduce fixture count by up to 15%, saving on cap ex and operating costs.

Choose **Alpha** for strongest uniformity; good choice when vertical space is limited.

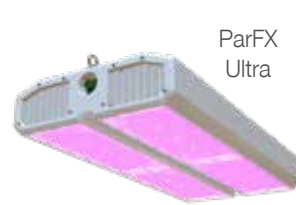
Choose **Beta** for deeper light penetration; good choice for high mounting heights in very tall greenhouses, such as over tomatoes.



TriPlane



TriPlane Linear



ParFX Ultra

PL Light Systems develops and manufactures advanced reflectors, LED and HID (HPS & CMH) fixtures for the horticultural market.

Talk to Griffin's Construction Department about customized light plans from PL Light for your next project.

LED Fixtures

Options for sole source lighting, supplemental lighting for increased intensity and photoperiod control or tiered production. Customizable to crop specific spectra (fixed spectrum). Passively cooled.

VertiMax | High-output, full spectrum LED lighting solution for multi-tier applications. PAR output of 1800 $\mu\text{mol/s}$ and system efficacy of 2.8 $\mu\text{mol/J}$. Integrated driver for reduced installation time and expense. Dimmable. Daisy-chainable.

TriPlane | High output, true 1:1 HPS replacement for greenhouse and warehouse. Plug and play: integrated drivers, standard power connectors, easy mounting. Daylight spectrum for sole source applications or / RWMB_FR spectrum for supplemental lighting. Field-adjustable for site-specific optimization of distribution pattern. Up to 2203 $\mu\text{mol/s}$, 3.3 $\mu\text{mol/J}$. IP-66. Daisy-chain capable, dimmable, and DLC listed.

TriPlane Linear | Engineered to cast minimal shadowing on the crop canopy—while delivering a performance on par with standard TriPlane model, the TriPlane Linear offers the ideal combination of form and function in greenhouse applications.

The unique mounting brackets on the TriPlane Linear's LED modules allow for the mounting angle to be adjusted in either direction, for a highly customized light distribution—depending on the application.

ParFX Ultra | Engineered to deliver a light output of up to 3745 $\mu\text{mol/s}$ and a system efficacy of 3.6 $\mu\text{mol/J}$, the ParFX Ultra delivers ultra-high performance in both full LED and/or hybrid applications. The luminaire features a unique optical lens that produces a symmetrical batwing distribution. This optimized distribution delivers industry-leading uniformity to allow for wider row spacing—enabling growers to achieve their target light levels and consistent crop growth, with fewer luminaires. Available in multiple spectrums, including custom.

Complete Lighting Solutions for Professional Greenhouse Growers

PARsource has developed some of the best available horticultural lighting products and has some of the most efficient light fixtures in the industry.



Hydrofarm Brand

Phantom PHOTOBIO LED Fixtures

Phantom PHOTOBIO fixtures offer high efficiency LEDs designed for horticultural professionals looking to increase performance and yields while maximizing ROI. Robust commercial designs combine with high efficiency S4 spectrum to provide more red, far-red, and blue wavelengths that deliver vigorous vegetative growth and optimal flower development.

Phantom PHOTOBIO*T and TX | The PHOTOBIO T Series offers 2.6 umol/joule efficacy, controlled dimming, and advanced heat dissipation technology in a tight form factor to reduce shading in your greenhouse. Both the T and the TX operate in a range of 100-277V. The T system uses 330W and has a PPF output of 858 umol/s. The TX system uses 680W and has a PPF output of 1768 umol/s.

Phantom PHOTOBIO*MX | The PHOTOBIO MX offers 2.6 umol/joule efficacy, controlled dimming, and advanced heat dissipation technology in a slim form factor. The remote driver option is perfect for limited clearance in indoor cultivation situations. The MX operates in a range of 100-277V. It uses 680W and has a PPF output of 1768 umol/s.

Phantom PHOTOBIO CX 2125 | The PHOTOBIO CX offers 2.5 umol/s and dimming capabilities. This toplighting fixture is a direct 1:1 replacement for a 1000W HPS fixtures. Slim design supports low ceiling mounts. Passive cooling for operational efficiency. S4 spectrum supports flower development. 120-277V. 850W. 2125umol/s output at 277V. IP66 with 5 year warranty.

Phantom 1000W HPS Fixtures

Next gen technology, dimmable, for HPS or MH bulbs (do not dim with MH bulbs – run at 100% power only). 277-400V

Phantom 60 Series – PHRE 1000277 | 1150W HPS, enclosed reflector.

Phantom 60 Series – PHRO1000277 | 1000W HPS, open reflector.

Replacement Lamps

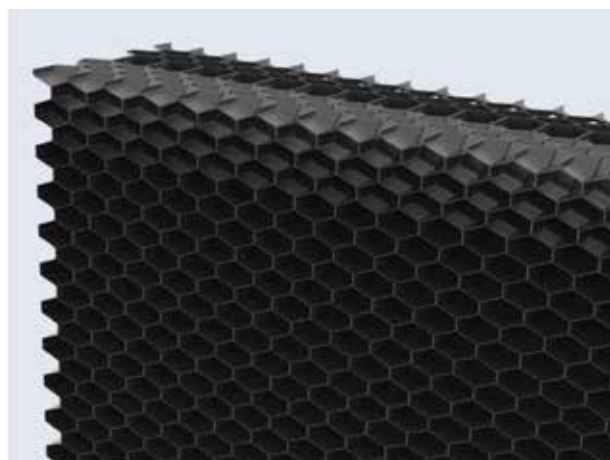
HPS and MH lamps have a lifespan of 10,000 hours. The reduction in output after 10,000 hours will impact production and yield. Lamps in use 16 hours a day should be replaced after 1.75 years. Lamps used 12 hours/day should be replaced after 2.25 years.

Item: 93-2500 **Description:** PARsource AgroSun DE HPS 1000W bulb





Evaporative Cooling Pad System



The Benefits of Lubing's Plastic Pads

- **Excellent cooling capacity – patented design:** The special layout of solid surfaces and mesh structures ensures ideal water distribution through the Pad. This allows for proper wetting and less splashing, resulting in highly efficient cooling capacity
- **Easy to clean:** The use of welded, highly resistant polymer sheets allows the plastic pad to be easily cleaned without damaging the Pads
- **Long service life:** The use of polymer sheets in combination with thermal welding guarantees best stability and a long service life
- **Lowest pressure loss:** At an air velocity of 300 ft/min (1.5m/s) the plastic pad's pressure drop is only at 0.40 inches of water (10 Pa.) substantially lowering energy consumption
- **High UV resistance:** The use of UV-stabilizing additives ensures outstanding resistance to UV light for years
- **Impermeable to light:** The plastic pad's geometry blocks out light from the outside
- **Chemical resistance:** The plastic pad is made of Polypropylene, which is highly resistant to most chemicals.
- **Pad width:** Pads are offered in 2' wide sections



Griffin Construction Department

Partner with us on you next project. Call for consultation and quote: 1.800.888.0054 then press 3.

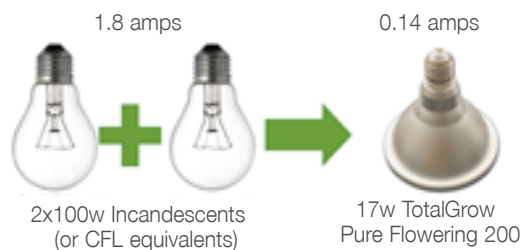
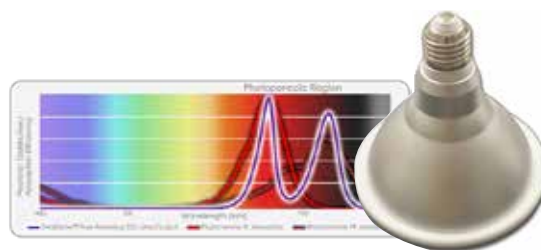


Pure Flowering 200 Lamp

The Science of Photoperiodic Lighting

- Use for night interruption lighting to achieve long-day conditions to promote or prevent flowering in ornamental and medicinal crops.
- Effective - Ideal spectrum for photoperiodic flowering control
- Efficient - Save over 90% compared to incandescent bulb use
- Easy - Simple installation, screw-in LED replacements (E26 socket) with excellent coverage and uniformity (200 sq ft/bulb)
- Safe - No toxic heavy metals or thin glass breakage risk
- Durable - Waterproof, dust-proof, long-lived (50,000 hrs, IP65)
- 100-240V, 34 $\mu\text{mol/s}$, 2.0 $\mu\text{mol/J}$

| Item # | Description |
|---------|-----------------------------------|
| 93-2950 | TotalGrow Pure Flowering 200 Lamp |



Light Deprivation Systems

- Flower short day crops any time of the year
- Required for year-round product of cannabis and hemp
- Prevent light pollution from your greenhouse to your neighbors
- Fully automated systems for interior (Wadsworth) or exterior installation (Advancing Alternatives)
- Custom designed solutions for all types of structures





Beneficial Insectary

PROVIDING A NATURAL BALANCE IN PEST MANAGEMENT



BIOLOGICAL SOLUTIONS FOR:

- ✓ Mites (Spider, Broad, Russet)
- ✓ Thrips (Western Flower, Others)
- ✓ Aphids
- ✓ Whiteflies
- ✓ MORE!

ABOUT US

Based in Redding, CA
U.S. Production for 35 years
Expert Technical Support
Next-Day Shipping*
Top-Rated Customer Support

*On organisms produced by
Beneficial Insectary in Redding, CA

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CONTACT US

(530) 226 6300 | 1-800-477-3715
www.insectary.com

SHADING



Shade Cloth and Netting

Woven & Knitted Shade, Aluminet and Insect Netting options for your Greenhouse shading needs!

Woven 30%



Woven 40%



Woven 55%



Woven 63%



Woven 73%



Woven 80%



Knitted Red 30%



Knitted Red 50%



Knitted White 50%



Knitted Black 30%



Knitted Black 40%



Knitted Black 50%



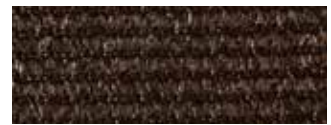
Knitted Black 60%



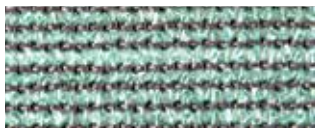
Knitted Black 70%



Knitted Black 80%



Knitted Green 60%



Knitted Ultra Tan 60%



Knitted Alumi-Shade 50%



Knitted Steel Grey 50%



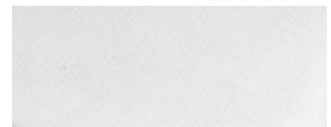
Knitted Mocha 80%



Knitted Alumi-Shade 70%



Insect Netting



Custom
Shade

- GROMMET
- CUT DOWN
- BATTEN TAPE
- HEM • SEAM



ChromatiNet Light Spectrum Management

ChromatiNet® is a series of colored shade nets with special optical properties which improve the utilization of solar radiation by agricultural crops. The technology promotes differential stimulation of desirable physiological responses, which determine the commercial value of each crop. Using ChromatiNet is an economical and environmentally friendly alternative to current labor-consuming methods (such as pruning and thinning) and intensive use of growth regulators and other chemicals.

Lumite

Shade Cloth

Custom Made Shade Cloth. Wide range of shade percentages available. Made to your specifications with or without grommets. Non-refundable. Allow 4 weeks for delivery. FOB Factory for all orders.



KOOL-RAY Classic Liquid Shading

KOOL RAY CLASSIC is specifically designed to lower inside greenhouse temperatures during the warmer spring and summer growing seasons. During the course of the year, CLASSIC's environmentally friendly ingredients will slowly wear off (weather permitting) allowing for increased light levels as the daylight decreases. CLASSIC works best when spray applied. **A 1:8 dilution will cover 1575 sq. ft. with a 30% reduction of light.**

5 gal. Kool-Ray liquid shading cannot be sent UPS or FedEx.

Classic White

Item: 16-3160

Size: 1 gal.

Item: 16-3162

Size: 5 gal.

X-tra Stick Binder

Item: 16-3150

Size: 1 qt.

Item: 16-3155

Size: 1 gal.



Nylon Cable Ties

11" non-releasable nylon cable ties. UV treated.

Item: 30-2825



Clip-Its™ Shade Cloth Fasteners

Use these durable clips for securing shade cloths, plastics, and fabrics.

Item: 30-3025

ReduSystems®

ReduSystems® enables growers to make optimal use of sunlight in their greenhouses throughout the year. Products influence natural light and heat transmission from the sun in every season to optimize the greenhouse climate for the crop – from a cooler climate in summer and more light in winter to diffusing light and influencing the light spectrum.

- Choose your own shading percentage
- Select products based on need – affect light and/or heat
- Wear and frost-resistant
- Potentially higher yield and better quality
- Use with glass and plastic greenhouse coverings
- Easily removed with ReduClean



ReduSol

ReduSol is a shading agent that reflects high levels of solar energy to protect crops against heat and light. Wear-resistant shade across the whole spectrum.

ReduHeat

ReduHeat is a shading agent that blocks infrared energy to reduce heat load while allowing high light transmission of photosynthetically active radiation (PAR) that drives plant growth. Great for high-light crops.

ReduFuse

ReduFuse is a light and heat diffusing agent. Light and heat are spread through the greenhouse more evenly for more uniform crops and stronger light penetration into the crop. Beneficial for vegetables, cannabis, cut flowers, and other high light dependent crops.

ReduFuse IR

ReduFuse IR diffuses light through the greenhouse while reflecting heat. Light penetrates deeper into the crop for a general net increase in photosynthesis. Good for heat sensitive crops that also demand high light.

ReduClean

Formulated to easily remove ReduSystems coatings. Dissolved coatings will rinse off the greenhouse with rain. Safe for glass and plastic greenhouse coverings.

| Item | Description | Size |
|---------|-------------|---------|
| 16-3230 | ReduSol | 14.5 L |
| 16-3240 | ReduHeat | 13.5 L |
| 16-3290 | ReduFuse | 14.85 L |
| 16-3295 | ReduFuse IR | 13.5 L |
| 16-3286 | ReduClean | 20 L |

How Many Buckets Per Acre?

| | Average buckets per acre (in North America) | Net shading (excl. roof/structure) | | Average buckets per acre (in North America) | Net shading (excl. roof/structure) |
|----------|---|------------------------------------|------------|---|------------------------------------|
| ReduSol | 4 - 5 | 22% - 25% | ReduFuse | 5 - 6 | 5% - 6% |
| ReduHeat | 5 - 7 | 6% - 9% | ReduFuseIR | 7 - 9 | 11% - 15% |

Note: products have to be mixed with water. For machine application 120-150 gallon spray liquid (water + coating) is used per acre. For manual application 180-200 gallon spray liquid per acre is used.

BENCHING





Custom Production Systems

IGE is the premier benching supplier to commercial growers throughout North America. Helping clients succeed by customizing innovative solutions for demanding markets.

- Custom-made to order to match needs
- Great benching options for production and retail displays
- Fixed, Max Roll, and Track installation options
- Single-level, multi-level, and archive rack systems
- Heavy-duty galvanized steel legs, headers and framework
- Extruded marine-grade aluminum side rails with rounded, snag-free corners
- Euro-style NFT systems - simple to automated



Ebb & Flow Trays

US-made, vacuum-formed, UV-resistant, polystyrene trays with molded drain channels. Long pieces minimize frequency of glue joints. Available as replacement trays, retrofits or as a component of a complete ebb & flow benching system.

Expanded Metal Benches

All benches can be outfitted with expanded metal tops. Expanded metal benching is hot dip galvanized after expanded for superior durability and long service life.

Max Roll Benches

Extended cantilever reach for maximum use of floor space. Extend the roll distance by 2-4 feet, depending on bench size. Install over concrete for proper anchoring. No floor drill installation.

Ebb & Flow Benches

Reduce your water and fertilizer use by up to 90%! Galvanized steel and vacuum formed plastics for long life. Available in stationary or rolling models. Standard widths: 4', 5', 6'. Additional custom sizes available. Pre-drilled for easy assembly.

Track Benches

Benches roll on floor-mounted tracks for fully adjustable aisle widths. Most often used with Archive Racking or Ebb & Flow benching.

Plant Support Systems

Plant supports designed to fit Innovative benches for use with trellis netting to support tall crops.





Grow Racks

Warehouse production calls for efficient use of every square foot of production space. Grow Racks from IGE are designed and manufactured in the US and built to order.

Stationary Racking

Stationary, vertical benching for warehouse production. Custom height in 2' increments from 8 to 24 feet. Custom lengths in increments of 8, 10 or 12 feet. White powder coated with adjustable bench placement. Stationary Racks utilize IGE's Ebb and Flow tray inserts for clean production space that is easily sanitized.

Archive Racking

Space-saving, rolling, tiered racking for warehouse crop production. Lengths up to 60' in 8, 10 and 12 foot increments. Height up to 24' tall in 2' increments. Direct, chain-driven, aluminum carriages on corrosion-resistant channels. Stainless steel drive rods, wheels and fasteners for long life in horticultural production spaces. Channels mount to level, concrete floors with anti-tip protection at every track. System supports 1500 pounds per linear foot. Custom designed.

Catwalk Systems

Gain safe, easy access to tiered crops with this easy-to-install, on-demand catwalk system. Designed to integrate with IGE's archive racks: Rails secure to racks, lightweight, EZ-Roll platforms slide into place when racks are rolled apart. 2' wide catwalks available in 2' or 4' lengths.

Air Flow Systems

Production on tiered Grow Racks presents unique air flow needs. IGE's Airflow Systems are designed to integrate with their rack systems and utilize duct socks to ensure airflow across all tiers.





Show More, Sell More!

Make it easier for your customers to buy more. Tier benching provides a clean and attractive display and allows you to double your display area.

Saves Work, Time and Money

Enhance Indoor and Outdoor Merchandise

- Benchmaster holds up to 50% more plant material than conventional wood displays
- Creates a clean and professional look

Strong, Durable and Long Lasting

- Molded from tough, high-density, UV stabilized, post consumer recycled plastic
- Will not rot, rust or corrode
- Stains and liquids will not absorb like wood
- Non-porous surface cleans up by hosing it off

Easy Setup and Teardown

- Snap-together design will save time and money
- No tools required
- Change an entire floor plan in minutes

People Friendly

- No splinters, no sharp edges
- Stable and safe to shop and work

| Item | Description |
|---------|----------------------------|
| 36-2035 | 2' x 8' BenchMaster Bench |
| 36-2040 | 3' x 8' BenchMaster Bench |
| 36-2030 | 16" x 8' BenchMaster Bench |
| 36-2140 | ½ of 36" Round Bench |
| 36-2150 | ½ of 48" Round Bench |
| 36-2160 | ½ of 60" Round Bench |

| Item | Description |
|---------|-----------------|
| 36-2045 | 12" Plastic Leg |
| 36-2046 | 18" Plastic Leg |
| 36-2050 | 24" Plastic Leg |
| 36-2060 | 30" Plastic Leg |
| 36-2065 | 36" Plastic Leg |
| 36-2058 | Plastic Collar* |

Unlimited configuration & sizes

- Make it any size or shape and move it anywhere
- Season to season, department to department
- Call for specialized configurations



Caster Bars



*Use plastic collars for stability for multi-tier displays.

Call for more information on mobile benching.



5' Round Display

| Consists Of | Item |
|-------------------------|---------|
| 2- ½ of 60" Round Bench | 36-2160 |
| 15- Legs, Any Size | |



5' Round 2 Tier Display

| Consists Of | Item |
|----------------------|---------|
| 2- ½ of 60" Round | 36-2160 |
| 2- ½ of 36" Round | 36-2140 |
| 15- 12" Plastic Legs | 36-2045 |
| 6- 24" Plastic Legs | 36-2050 |



3 Tier Round System

| Consists Of | Item |
|---------------------|---------|
| 2- ½ of 60" Round | 36-2160 |
| 2- ½ of 48" Round | 36-2150 |
| 2- ½ of 36" Round | 36-2140 |
| 6- 24" Plastic Legs | 36-2050 |
| 6- 36" Plastic Legs | 36-2065 |



3 Tier ½ Round Display

| Consists Of | Item |
|---------------------|---------|
| 1- ½ of 36" Round | 36-2140 |
| 1- ½ of 48" Round | 36-2150 |
| 1- ½ of 60" Round | 36-2160 |
| 3- 24" Plastic Legs | 36-2050 |
| 3- 36" Plastic Legs | 36-2065 |



Focal Point Display

Many styles to choose from. Call for information.
Drop Ship.



***3 Tier 8' Wall Display**

| Consists Of | Item |
|--------------------------|---------|
| 2- 16" x 8' Drilled Base | 36-2025 |
| 3- 16" x 8' Top | 36-2030 |
| 8- 36" Plastic Legs | 36-2065 |
| 8- 24" Plastic Legs | 36-2050 |
| 12- 12" Plastic Legs | 36-2045 |

*For 3 tier 8' Island Display use 2 Wall Displays back-to-back. *Also available in 5.5' model and 3' model.



3' x 8' Bench Display

| Consists Of | Item |
|--------------------|---------|
| 1- 3'x8' Top | 36-2040 |
| 11- Legs, Any Size | |



3 Tier 8' Display

| Consists Of | Item |
|-----------------------|---------|
| 3 - 2' x 8' Tops | 36-2035 |
| 16 - 24" Plastic Legs | 36-2050 |
| 8 - 12" Plastic legs | 36-2045 |
| 16 - Plastic Collars | 36-2058 |



2 Tier 8' Island Display

| Consists Of | Item |
|----------------------------|---------|
| 1 - 3' x 8' Top | 36-2040 |
| 2 - 16" x 8' Tops | 36-2030 |
| 2 - 16" x 8' Drilled Bases | 36-2025 |
| 16 - 12" Plastic Legs | 36-2045 |
| 8 - 24" Plastic Legs | 36-2050 |



Maine Attractions

Premium Display Tables

This isn't just a bench, it's a work of art, handmade from the finest materials by craftsmen who take pride in their work.

Specifications:

Assembly: Mostly assembled, legs attached by customer with bolts (supplied).

Legs: 4" square finished White Cedar legs available in 24" & 30" heights.

Frame: 1¼" and 1" (before planing) by 4" cedar board, attached to the legs with thru bolts.

Top: Premium vinyl coated and galvanized hi-tensile steel mesh, 1" x 1½" - for maximum strength, durability, and support.



Stack Maine Attractions tables back-to-back and side-by-side to create a unique, attractive sales island. Then add end cap tables for the ultimate merchandising fixture!

Multi-tiered

Classic Retail Display Tables

Use "wall of color" two or three tier presentation to WOW your customers. The art of retail display reaches attractive new heights with these classic-look multi-tier retail display units that included basket rods.



Multi-tiered



Benchmates

Benchmates

Stackable Display Tables

Benchmates unique design puts attractive Cedar where it counts - as trim to show off your product to its greatest advantage.

Benchrunner Movable Trays

Bartlett's Benchrunner system move trays on a pair of tubular rails and can be transported to and from the rails by cart or flanged wheel tracks. They are similar in function and utility to "dutch" trays, typically made of aluminum frames, with expanded metal or other bench surface.

Benchrunner Benefits

- **Custom sizing:** There is little or no limit to the size of tray that can be done.
- **Job size:** The system can accommodate 2,000 sq. ft. and up.
- **Cost:** This tough, durable, and versatile bench tray system will fit the most sophisticated 21st century growing operation, without the 21st century price you would expect to pay.



Please contact our Construction Department to design the Benchrunner System that fits your growing needs.

Griffin's Stocked Bench Top Options



Bench Top Rolls

Fully hot dip galvanized after welded for long life.
Extra strong 12½ gauge, 1½" x 1½" squares.

| Item | Description |
|---------|----------------|
| 36-4025 | 3' x 100' roll |
| 36-4030 | 4' x 100' roll |
| 36-4035 | 5' x 100' roll |
| 36-4040 | 6' x 100' roll |

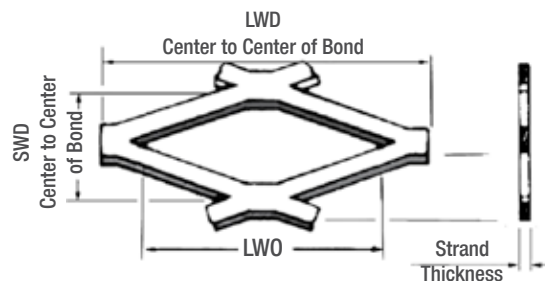
10 ½ gauge mesh available on special order.



Galvanized Expanded Metals for Greenhouse Benches

- Open mesh design prevents accumulation of excess moisture or sediment. Keeps benches clean and dry.
- Allows free passage of air. Improves air circulation.
- Designed to be structurally strong but lightweight for ease of handling. Ideal for rolling benches.
- Insects discouraged by metal surface.
- Manufactured from galvanized steel, aluminum or carbon steel, hot dip galvanized. Provides years of maintenance-free use.
- Available in stock panels or custom sizes manufactured for individual requirements.
- 13 gauge

Item: 36-1225 **Size:** 3' x 6'
Item: 36-1230 **Size:** 4' x 6'
Item: 36-1235 **Size:** 5' x 6'
Item: 36-1240 **Size:** 6' x 6'



HC Quality Doors

Greenhouse Benches

HC Quality's custom benches come standard with aluminum welded frames and expanded metal tops. These benches are available in both stationary and rolling options.



Two Tiered Bench



Griffin Construction Department

Partner with us on your next project.

Call for consultation and quote:

1.800.888.0054 then press 3.

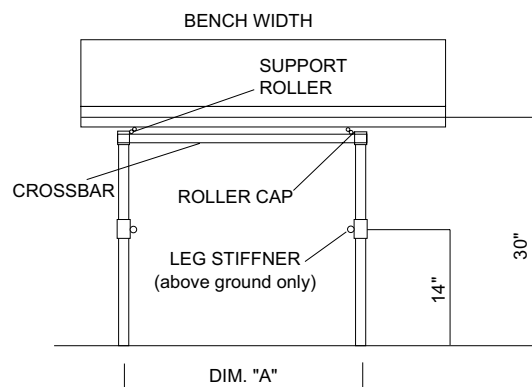


Stationary Above Ground Benches

Floating Aisle Benches

Indoor or Outdoor Complete Benching for Growing or Display

The "Floating Aisle" concept, where one aisle is shared by several benches through lateral moving bench tops, turns unprofitable aisle areas into profit producing growing areas. In most cases, when converting from fixed benches to floating benches, you could expect a 20-30% increase in bench area. Floating benches should be considered for growing areas only, and are not recommended for retail sales areas. Floating Aisle benches can be converted to stationary benches simply by moving the limit clip. Anti-Tip options are also available.



- Strong
- Neat
- Clean
- Sanitary
- Maintenance Free
- Versatile



Display Benching

When you're looking for improved visual impact and streamlined merchandising efforts, let Poly-Tex help. They have more than just plant displays and benches—they have solutions. These displays are highly configurable and all beautifully display your flats and pots.



A



B



D

Optional
wreath
attachment.



C



PX7001 Fence-on-a-Step Bench (A)

The PX7001 display offers lots of space in a semi-tiered design. With several configurations, you'll find just the one to suit your needs. Use as a freestanding display, back-to-back as a center aisle, or connected in a run of any length.

Item: 13-PX7001CP

Basket Tower (B)

This display is a fun way to showcase your hanging baskets and other hanging merchandise, such as wind chimes and bird houses/ feeders. Think vertical merchandising that can be shopped from any side. Imagine a tower of hanging baskets or a spiral of wind chimes!

Item: 13-BT3000

PX7024 Double Bench Display (C)

Hold it all with this high-capacity display unit. With 72 square feet of bench area, this display gives you room to grow—and profit.

Item: 13-PX7024P

BH3000 Basket Hanger (D)

A versatile year-round fixture. Display hanging baskets or use the optional wreath kit to convert it to a high-capacity wreath display. Available with optional casters and powder coating.

Basket Hanger

Item: 13-BH3000

Wreath Attachment

Item: 13-WREATH

All products Drop Ship FOB Factory

Many other benching options available. Call for information and pricing.

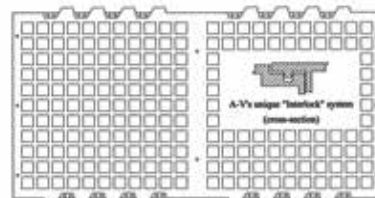


Plastic Bench Tops

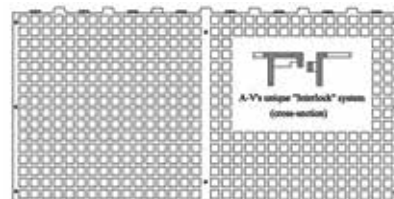
- Polypropylene, UV protected
- No rust, rot or decay
- Strong, durable and lightweight
- Flats, trays, and pots slide easily
- No protruding wires or jagged metal edges
- Easy, positive interlocking feature, no clips required
- Installs on any type frame
- Easy to clean and disinfect

| Item | Size |
|---------|---|
| 36-6045 | 18" x 36" - Fits 18", 36", 54" and 72" wide benches |
| 36-6050 | 24" x 48" - Fits 24", 48", 72" and 96" wide benches |

Fiberglass bench framing available as a direct ship option.



Item: 36-6045 **Size:** 18"x36" - Top



Item: 36-6050 **Size:** 24"x48" - Top



Griffin Construction Department | Partner with us on your next project.
Call for consultation and quote: 1.800.888.0054 then press 3.

FAST-TRACK YOUR PLANT SALES

Cut crop time in your greenhouse with quick finish and pre-finished plants from Griffin. Our vendor network serves all major regions of the country with quality material and reliable fill rates. Contact your Griffin sales representative or browse current availability on Griffins.com.



EQUIPMENT



Automated Equipment

FOR GREENHOUSES



WHY AUTOMATE?

Save on labor costs and minimize the impact of labor shortages by reallocating your staff's time to be more efficient.

HOW CAN AUTOMATION HELP YOU?

Soil handling, container filling, irrigation, product transportation, spacing, transplanting.

WHAT TYPES OF AUTOMATION MACHINES ARE AVAILABLE?

| | |
|--------------|--------------------|
| Mixers | Bale Shavers |
| Potters | Baggers |
| Flat Fillers | Watering Solutions |
| Conveyers | Custom Equipment |



Griffin Construction Department | Partner with us on your next project.
Call for consultation and quote: 1.800.888.0054 then press 3.

As labor costs continue to rise, sometimes adopting costly technology and automation is an option that growers have to take into serious consideration.

Read below to see how Griffin's customer Zino Nursery has approached this challenge through innovation and automation.

Hardscrabble Farms, a tree farm headquartered in Croton Falls, New York, purchased greenhouse space four years ago in Dover Plains, New York. The location had been abandoned for 12 years and was in desperate need of renovation. With only 10 employees they needed to find a way to grow quickly without having to deal with labor shortages and absorbing high labor costs.

After acquiring the space, a year was spent renovating the greenhouses. They knew automation would be necessary. The purpose of the new location — which currently operates 12 acres of production under the name Zino Nursery — was to produce perennials, grasses, shrubs, evergreens, ferns and other similar products for its wholesale customers.

Because of the nature of the work, they knew finding labor would be a problem. Part of what Zino Nursery does is 1-, 2- and 3-gallon-sized pot production. It is a lot of lifting all day long.

ACTION PLAN AND TIPS:

- Zino Nursery depends on Griffin for their high level of service and industry expertise
- Have an industry partner that is always there to help guide you through new upgrades and expansion ideas
- Potting line was key so that they could expand quickly with the same amount of people
- Zino Nursery implemented potting lines from Pack Manufacturing, along with upgrades along the way. The company has since expanded and still employs the same 10 people.
- Purchased a whole system from Pack Manufacturing that includes a soil mixer, an incline conveyor and a potting machine
- Zino Nursery's ultimate goal is to get to 16,000 to 18,000 pots per day

Customer TESTIMONIAL

"On a good day, we are able to do upwards of 10,000 to 12,000 pots in a day, a task that if done manually would only be able to have an output of 1,000 pots per day."

- Brady Cullen, General Manager, Zino Nursery

2025

COST JUSTIFICATION CALCULATOR

See the tables below to see how this can be affordable for you and how it will pay off!

WITHOUT EQUIPMENT

| | |
|---------------------|---------|
| ANNUAL UNITS | 200,000 |
| NUMBER OF EMPLOYEES | 4 |
| 8 HR WORK DAYS | 60 |
| HOURLY PAY RATE | \$18.00 |
| LABOR RATE PER UNIT | \$0.17 |

WITH PM20 MIXER AND FLAT FILLER

| | |
|---------------------|----------|
| ANNUAL UNITS | 200,000 |
| NUMBER OF EMPLOYEES | 2 |
| 8 HR WORK DAYS* | 25 |
| HOURLY PAY RATE | \$18.00 |
| LABOR RATE PER UNIT | \$0.0360 |

* Based on 1000 Units Per Hour

SAVINGS

| | |
|------------------|-------------|
| SAVINGS PER UNIT | \$0.14 |
| ANNUAL SAVINGS | \$27,360.00 |
| EQUIPMENT COST | \$20,125.00 |

| | |
|----------------------------------|---------------|
| DAYS TO PAY OFF EQUIPMENT | 295.33 |
| YEARS TO PAY OFF | 0.81 |



Commercial Horticulture Equipment



Batch Mixer

Pack Manufacturing offers standard Batch Mixers in sizes designed to accommodate everyone from beginning grow operations to the largest nursery. The Pack Mfg. ½ Cu. Yd. and 1 Cu. Yd. are perfect for lower volume operations. The Pack Mfg. 2 Cu. Yd. and 3 Cu. Yd. Batch Mixers offer the capability to mix grow media for medium and high-volume growers, while our 4 Cu. Yd., 6 Cu. Yd. and above Batch Mixers offer extreme amounts of volume. All Pack Mfg. Batch Mixers are dependable, low maintenance, and made to last-constructed from solid steel and equipped with sealed gearboxes. Numerous options are available to customize your mixer to fit your needs.



Griffin Construction Department

Partner with us on you next project.

Call for consultation and quote:

1.800.888.0054 then press 3.

CUSTOM Equipment

If you don't see what you
are looking for, ask!

Pack can build it!

The Pack Manufacturing Equipment Line provides a full selection of custom made agricultural material handling solutions. They create solutions from small scale batch mixing of potting soil and grow media to fully automated potting and filling lines. If you don't see what you are looking for, ask! Pack can build it!

Mixers

Potters

Flat Fillers

Conveyers

Bale Shavers

Baggers

Watering Solutions

Custom Equipment

PM20 Mixer & Flat Filler

Deciding which jobs to automate and which jobs to do manually can be a challenge for new growers. Pack Manufacturing is making that decision easier with the PM20 Combination Mixer and Flat Filler. This innovative new design combines the functionality of a 1 Cubic Yard Batch Mixer with a high volume mobile flat filler. The PM20 features a clear polycarbonate mixer door with safety cutoff switch, adjustable rotary brush and sweep, roller take-offs, soil return to eliminate wasted media, and 15" wide filling conveyor- all on a mobile frame. The PM20 is capable of mixing 1 cubic yard of media every 3- 5 minutes and filling 770 trays or 1,800 1 gallon pots every hour.



Pack Manufacturing Inline Mixing Systems

Pack Manufacturing Inline Mixing Systems are the ultimate solution for any high-volume operation. With the capability to deliver from 30 to 200 Cubic Yards of Media every hour, even the largest media needs can be met. Each Custom Inline Mixing System is built to the customer's needs, incorporating any number of bulk ingredients and low-volume additives. Pack Inline Mixing Systems can be managed from the Touchscreen control or over a network. Recipes can be saved and recalled with the press of a button to deliver mountains of custom media. Custom Inline Mixing System outputs can feed multiple production lines.



PM1100 Pack Filler

The PM1100 Pack Filler® is the elite solution for high volume production lines. With clearances of 20" wide and 16" tall, the Pack Filler® has the versatility to fill everything from flats to production pots. The included tooling ensures every container comes out packed and uniformly perfect every time. Excess soil is delivered right back into the hopper for no mess and efficient operation. With the PM1100AUTO, the entire setup process is automated and adjusted with the press of a button. Save settings for potting speed, soil speed, and tooling height for instant recall the next time these containers are used. This and much more is included in every Pack Filler®, and custom options are available.



PM1002 Double Potter

Made with the largest operations in mind, the PM1002 comes complete with a 4 cubic yard hopper, variable speed control, adjustable hopper gate, independent feed control, excess soil recycling, media vibrator, powered take-off, all sealed bearings, direct drive gearboxes, and 10' filling conveyor. Perfect for transplanting or potting bare roots. The PM1002 adds a layer of media to the bottom of the container and allows for a plant to be inserted before filling the remainder of the container with media- all accomplished in a single efficient production line capable of filling 750 15-gallon pots an hour. Additional options include extended conveyor and custom hopper sizes.



Pack Manufacturing High Speed Potters

Pack Manufacturing three separate styles of Single Hopper Potters for potted trees and large plant production. Each High-Speed Potter is built with solid steel construction, sealed bearings, tracking belts, direct drive transmissions, variable speed controls, a powered pot transfer, and soil return systems to deliver excess media back to the hopper. The PM1000 includes a 2-Yard Hopper and 18" wide conveyor belts. The PM1500 includes a 4-Yard Hopper, vibrating UHMW bed, and a 22" wide conveyor belt. The PM2500 includes a 6-Yard Hopper, vibrating UHMW bed, and a 26" wide conveyor belt, capable of filling up to 35-gallon pots!



PM10C Flat Filler

The Pack Manufacturing PM10C series is an introductory level automated Flat Filler. Capable of filling flats and trays under 6" in height, the PM10C makes an excellent first choice for customers looking to reduce expensive labor costs. The PM10C comes equipped with a 16.2 Cubic Foot Soil Hopper, variable speed conveyor, fully adjustable compacting sweeps, a rotary brush, heavy drag chain soil delivery, and the side chute soil return system to deliver any excess soil media right back to the hopper. The PM10C is available with 12" or 15" belt widths and operates on a standard 120VAC plug. Custom options are available.



Pioneer Filler

The economy Pioneer™ Filler from Pack manufacturing is the perfect entry level machine for any pioneering new grower. The Pioneer™ Filler from Pack Manufacturing provides a grower with the same high-volume capability as the competition for a fraction of the cost. Standard with all essential elements- 1 cubic yard hopper, pot sweep, drag chain, filling conveyor, rotary brush and roller transfers. The Pioneer™ Filler allows for up to 1,400 flats or 950 5-gallon pots an hour. Add-ons to make your Pioneer™ Filler the custom machine for any operation. The Pack Mfg. Pioneer™ Filler also offers the advanced features seen on the most expensive fillers, but you only add the features you need, and skip the features you don't need.



Trailblazer Filler

The Trailblazer Filler™ is the premiere solution for established growers with multiple filling needs. The Trailblazer Filler™ includes all the options of the Pioneer Filler®, along with the fully loaded options package to include low-profile casters, vibrator on belt for soil compaction and elimination of air pockets, powered roller take-off to eliminate tipping, an enhanced auger driven soil return to recycle excess media, and reverse options for easy cleanout and large container filling. All these features and more come standard with the Trailblazer Filler™ to provide growers the ability to fill over 1,500 containers an hour with absolute minimal labor! AUTO options are also available.





Pack Mfg. Water Tunnels

Many grower production lines include watering plants in as a process in seeding, propagation, and shipping lines. Pack Manufacturing provides multiple solutions to these applications, including the Deluxe Water Tunnel with controlled water delivery that conserves water by only running water when a container is present. Pack Manufacturing Sub-Irrigators take this concept further by submerging roots on each container as it dips into a specially designed conveyor system that can water both the top and bottom of the plant simultaneously. All Water Tunnels have variable speed controls and are constructed of stainless steel and aluminum bodies.



Pack Power Washer

The Pack Power Washer is a High Pressure Horizontal Power Washer for any grower wishing to reuse flats and growing trays, reducing material costs and environmental impacts. The Horizontal Power Washer uses two extremely heavy duty motor-powered pumps to clean flats with a series of interchangeable high pressure water nozzles. The Power Washer is constructed of high-quality stainless steel, with a stainless-steel feed chain, stainless flights, and adjustable guiderails to feed trays through the washing system. Optional chemical injectors can be added, as well as a third motor driven pump to remove stickers and labels from the sides of trays.



Pack Manufacturing Spike Dibbler

The Pack Manufacturing Spike Dibbler is a standalone solution for quickly inserting accurately placed divots in flats, cell packs, or shuttle trays, allowing for easily inserting the plant material. Pack Manufacturing Dibblers can be placed inline for sticking lines, production lines, or for automated transplanters. The magnetic dibble pins are quickly interchangeable for different hole calibers or dibble patterns for different flats or pots. The pins are held in place with stout neodymium magnets that hold in place until moved by the user. Drill Dibbler options are also available for larger pots or plant material.



Pack Manufacturing Field Potters

For large container field or tree production, nothing combines efficiency and mobility like Pack Manufacturing Field Potters. Available in a 4 Cubic Yard Field Potter and a 10 Cubic Yard Field Potter size, these units are towable machines powered from hydraulic PTO or optional gas or diesel drives, bringing the production line to the field. Each size is equipped with an extended output conveyor capable of pivoting 180° to fill containers on either side of the row. The heavy duty drag chain delivers media via the conveyor, quickly filling the largest containers with the easy-to-use variable speed output control.



Pack Manufacturing Tracking Wagons

For field operations, Tracking Wagons are the most cost-effective solution to field mobility. Whether moving products, materials, or labor over distance, Pack Manufacturing Tracking Wagons provide a perfect solution. Constructed from heavy duty angle iron and expanded metal bottoms, these Tracking Wagons have a long life in harsh environments. Able to be customized to many different applications, the Wagons are fully tracking, allowing multiple wagons to attach together and turn independently. Standard sizes are 4'x8', 4'x10', 5'x10', and 6'x12'. Custom sizes, custom rigging, custom shelving, hitches, and No-Flat tires are all options available with Pack Manufacturing Tracking Wagons.



Pack Manufacturing Volumetric Bagger

For customers wishing to bag their custom grow mixes for either internal use or to market as bagged grow media for consumers, the Pack Manufacturing Volumetric Bagger can provide everything to streamline this process. The Touchscreen controls allow the user to store bag volume information, and interchangeable bagging chutes allow for quickly changing between multiple size bags. The user simply places the bag in the chute and presses the foot pedal. The bag is instantly clamped, filled, and released onto the bagging conveyor. Options include hot air sealers, bag kickers, palletizing conveyors, and pallet carousels to create a full assembly line.



NS1100 Pack Power Seeder™

The Pack Manufacturing NS1100 Pack Power Seeder™ is a fully automated Needle Seeder that delivers full control to the operator with the Touchscreen controller. The Pack Power Seeder™ includes an auto-indexing powered Conveyor Belt, Seed Hopper, Dibbler, Topcoat Hopper, Belt Vibrator, Seed Vacuum to retrieve excess seeds, air clean-off tools, and operates from a 120VAC outlet. The Power Seeder indexes trays to each station, and the operator has full control over the unit and number of seeds delivered per cell. Custom seed manifolds and needle sizes are available for different tray and seed sizes. Fully Pneumatic NS1000 option also available.



Planting Conveyors

Pack Manufacturing Custom Planting Conveyors have multiple applications. From simple fold down tables for sticking lines, propagation trays, and inserting liners to full double stacked Click-Clack lines, Pack Manufacturing offers solutions custom tailored to the customer's needs. Double stacked Click-Clack lines provide a two-tiered conveyor system- the top conveyor feeding trays filled with media to sticking lines as they are needing, holding the line until another tray is pulled from the top layer to the bottom layer, where the plant material is added. Once the tray is filled, it is delivered to the next station, keeping a line running as fast as the trays can be populated.



Bale Shaver

Compressed peat bales offer plenty of advantages for shipping and storage, but compressed peat or coir can inhibit root growth and prohibit water retention. Pack Mfg. Bale Shavers allow you to enjoy the benefits of compressed media without hindering your plants. Pack Mfg. has three models of Bale Shaver to meet any situation. Each Bale Shaver will finely shave your compressed or frozen bales into light, fluffy material perfect for root growth. The PM1220 Vertical and PM1210 Horizontal Bale Shavers accommodate bales up to 113" tall, and our 3.8 Peat Fluffer is designed just for 3.8 Cubic Feet bales.



RP1002 Fabric Pot Filler

Growers using more environmentally friendly fabric pots can now keep pace with the rest of the industry with the new Patent Pending Fabric Pot Filler from Pack Manufacturing! The Fabric Pot Filling System takes the fabric pot at the start, travels the pot along the potting conveyor where it is held open, filled by the potter, and deposits the filled pot to the powered takeoff. All excess grow media is delivered back into the hopper with the open conveyor extended heavy duty soil return. The open conveyor soil return system supports nearly any media type.



Conveyors

Pack Manufacturing provides a full range of conveyor solutions for any application. Production potting lines, incline soil delivery systems, over-head soil delivery systems, planting conveyors, and V-Roller systems are just a few of the options Pack Manufacturing has available. Our economical line of Aluminum Conveyors provides a cost-effective solution to material handling, adding buffers to planting lines, and delivering plants and materials multiple locations. Many options can be added to provide customized solutions to any workflow process. Water Tunnels, Vermiculite Toppers, low-level sensors to activate soil delivery, and limit switches to halt containers are just a few of the custom options available.



Pack Manufacturing Scoreboard with Reporting

Setting and communicating a production schedule across a diverse and multilingual workforce can be challenging. The Pack Manufacturing Production Scoreboard with Reporting helps resolve both scheduling and inventory production tracking, while at the same time providing a motivational tool for the workforce. The Pack Manufacturing Scoreboard includes a large screen TV to display production numbers on the line in real time. The reporting function emails daily reports for the quantity of each product produced, as well as all downtime and reasons for stoppages on the line. The Pack Manufacturing Scoreboard is an excellent tool for tracking production performance, inventory, and gaining insight into your workflow.

| PRODUCT NAME | | NEXT PRODUCT |
|-------------------------------|-----------------|---------------|
| KNOCKOUT ROSECHARGE OVER TIME | | HYDRANGEA |
| 00:00 | | |
| BATCH SIZE | AVERAGE PER MIN | PRODUCED |
| 3000 | 49 | 155 |
| TARGET TIME | TARGET PER MIN | +/- |
| 180 MIN | 16.6 | -2845 |
| DEL TIME | TOTAL TIME | INACTIVE TIME |
| 100% | 00:03:09 | 00:00:00 |
| SETUP | PAUSE | RESET |
| REPORTS | | |



The POPagation Station™ Plug Popper

The POPagation Station™ Plug Popper custom made by T.O. Plastics dislodges fully rooted plugs from plug trays to minimize damage when transplanting. This two-piece system contains a base board and a spring-actuated stabilizer frame. The base board is custom built with hardened steel pegs to fit any plug tray and can function as a dibble board for seeding. Materials can easily be sterilized.

- Cost effective, high quality equipment
- Easier to use with less force required than other on market
- Portable and easy to move and store
- Customize your POPagation Station to any manufacturer's plug tray with a standard 10x20 perimeter trim

| Item | Vendor | Description |
|---------|---------|--|
| 59-9100 | 790500C | TOP Popagation Station Std Frame Plug Popper |
| 59-9101 | 790528C | TOP Popagation Base Board 128 Plug Popper |
| 59-9102 | 790535C | TOP Popagation Base Board 200 Plug Popper |
| 59-9103 | 790540C | TOP Popagation Base Board 288 Plug Popper |
| 59-9104 | 790542C | TOP Popagation Base Board 392 Plug Popper |
| 59-9110 | 790501C | TOP Popagation Sta SureRoot-50 Frame Plug Popper |
| 59-9111 | 790515C | TOP Popagation Base Board SR50-3 Plug Popper |



Sow the SEEDS OF SUCCESS with Griffin

Griffin stocks 3,300+ seed variety/product-form combinations—annuals, perennials, grasses, herbs and vegetables. We've carefully curated our packet sizes and product forms to meet your production needs. Browse the full assortment in our Seed & Plant catalog or on Griffins.com.



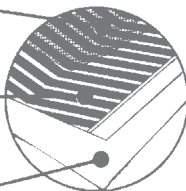
Propagation Kits

AGRITAPE is the best source of bottom heat available due to its design, flexibility, durability, performance and relative low cost. AGRITAPE, custom designed to each customers' needs, can be used for a few square feet or for several thousand. (Available in 11" continuous width.) 20 Amp control units in 2 convenient sizes: the AT-1 for up to 120' of 11" tape or the AT-Jr for up to 60' of 11" tape.

Aluminum mesh screen protects against abrasion while safely grounding Agritape.

11" AGRITAPE provides uniform heat distribution due to its unique heat pattern.

*Styrofoam insulation beneath Agritape increases efficiency and reduces operational cost.



| Item | Description |
|---------|--|
| 38-1040 | 10' x 11" Mat & Grounding Screen |
| 38-1045 | AT-1 Jr. will handle up to 6 Agritape mats - 60' |
| 38-1050 | AT-1 will handle up to 12 Agritape mats - 120' |

Seed E-Z Seeder, Inc.

E-Z Seeder

Each E-Z Seeder fits a particular flat size and will accommodate all plugs and cells that fit that size. Plates are available for your seed variety, from large seed to small. The Plates are all aluminum, durable, static free, lightweight, and interchangeable in seconds. The Seed E-Z Seeder can achieve 55,000 to 75,000 seeds per hour depending on the seed size and flat used. You visually see the tray with the seeds on it. Seed drops directly in the center of the plugs, ensuring maximum growing capacity. Templates sold separately. **Drop ship only.**

| Item | Description |
|---------|-------------|
| 40-4025 | E-Z Seeder |



The Plug Popper

Dislodge plugs from their tray in a matter of seconds. No more broken stems or damaged roots. This indispensable horticultural tool works with a simple foot-pedal operation.

No cords, hoses, or motors to maintain. The Plug Popper is easy to use and handles any tray with the swap of an insert. This heavy-duty workhorse pays for itself in a single season.

| Item | Description |
|---------|---|
| 40-1013 | Antal Cayson Plug Popper includes (1) Insert Tray |
| 40-1017 | Plug Popper Tray Insert |

Drop ship only. Customer to send sample trays to vendor before product ships. Contact your sales rep for details.



Vibro Motor™ Hand Seeder



Battery powered, this hand held unit offers a two speed operation. Recommended for the seed group of 50,000 to 250,000 seeds per ounce (medium to small seed).

Options Available: Power converter plug, Magnifier attaches to tip to aid when small seeds are sown.

| Item | Description |
|---------|--|
| 40-4525 | Vibro Motor™ Hand Seeder |
| 40-4535 | Power Converter for Vibro Motor™ Hand Seeder |
| 40-4545 | Magnifier for Vibro Motor™ Hand Seeder |

Garden Center Wagons



- Plastic and Metal Decks
- Pneumatic tires, powder coated frames
- All wagons come with Auto-Steering which keeps weight centered over steering axle and keeps cart from tipping

Made in Canada.



A



B



C



D



E

| Item | Description |
|---------|---|
| 39-5000 | 20"x 38" Plastic Green Wagon (A) |
| 39-5020 | 20" x 38" Green Nursery Wagon, Metal Deck, Metal Frame (B) |
| 39-5040 | 2WGC 24" x 48" Green Garden Cart 2-Wheel Garden Cart 4" x 16" Pneumatic Tires (C) |
| 39-5035 | 4WGC 24" x 48" Green 4-Wheel Nursery Cart, 2 - 4" x 10" Swivel Casters and 2 - 4" x 16" Pneumatic Tires (D) |
| 39-5030 | EFRW-G 24" x 48" Green Wagon, Metal Deck, Metal Frame (E) |



Transportation & Merchandising Carts (A)

- 1 base, 3 shelves, 4 posts, 1 drawbar, and 4 tires (2 swivel, 2 rigid)
- Shelves are adjustable in 2" intervals
- Shelves are galvanized wire mesh
- Overall height is 81"
- Standard post length of 77"
- Carts constructed with drawbar and pin for train make-up with one cart following another around corners when in tow
- Shelves can be tilted for easy display of products
- All units are hot dip galvanized to resist rusting
- All units can be collapsed to 20% of original size for easy storage and allowing economic return to greenhouse supplier

Item: 39-7025 **Desc:** 22" x 59" Wellmaster Rectan. Trans. Cart

Item: 39-7030 **Desc:** 22" x 59" Wellmaster Wire Mesh Shelf

360° Cart (E)

Wellmaster's 360° Cart features a dynamic design to meet all horticultural needs. What makes this cart unique is its zero turn radius for close tight turns. Too many times are growers, nurseries or garden centers restricted by their own environment to efficiently move about. The 360° Cart can help you get you and your products where you want to go. Handles on each end of the cart provide ease when maneuvering sharp turns over various terrains whether you are pushing or pulling the unit. 10" swivel tires are placed at each end for load stability while 15" tires are placed at the center to act as a pivot point. This unit is completely compatible with the industry standard 22" x 59" shelves. Your adjustable 59" shelves that you use on other carts can be used on this unit to suit your specific needs. Two fork guides occupy the underside of the unit for transport via lift truck. This unit also features a hot-dip galvanized finish. *Some assembly required.*

Item: 39-053304 **Size:** 22"x 59"

Grizzly Cart (B)

The Wellmaster Grizzly is a "bear" of a cart and is essential for all Garden Center or Nursery settings. It's easy-to-assemble design and versatility make it ideal for moving products throughout your environment. 15" flat-free tires at the back and 10" flat-free tires at the front will glide over rough terrains with great ease while the push handle offers both comfort and leverage. Offers a hot dip galvanized finish with the deck being 18" from the ground. This product is a boxed shipment which saves on freight. Ideally suited for garden centers or nurseries to carry a wide variety of products including bedding plants, perennials, hanging baskets, pots or landscaping products.

Item: 39-7090 **Size:** 24" Wide x 48" Long x 37" Height

The BIG Red Wagon (C)

- 30"W x 46½"L x 23"H
- Galvanized frame
- Durable plastic deck
- 7½" H inside dimension of box
- Combination pull handle / tractor hitch
- 12" tires

Some assembly required.

Item: 39-7080 **Size:** 30"W x 46½"L x 23"H

Nesting Retail Shopping Carts (D)

- Holds 5-10" by 20" flats
- Short wheel base for easy maneuverability
- 8" HD casters for all types of terrain 2 x 5 and 2 x 8 cushion ride casters
- Flip top allows for tall plants or large loads on bottom shelf
- Carts nest at 15" to conserve storage space
- 300 lb. capacity
- 24"W x 37"L - 44"H assembled

Some assembly required.

Item: 39-7075 **Size:** 24" x 37"



A



B



C



D



E



F

SG12 Steam Generator (A)

Item: SG12

Treats 2 cubic yards of soil in approximately 2 hours. 45 psi ultra dry steam. 120v power input. 2.0-2.3 gallons of #2 fuel per hour. 8" chimney adapter and wheelbarrow-style handle.

SG15 Steam Generator (B)

Item: SG15

Treats 2 cubic yards of soil in approximately 1.5 hours. 60 psi ultra dry steam. 120v power input. 2.5 gallons of #2 fuel per hour. 8" chimney adapter. T-Handle and towing hitch included.

Soil Pasteurization Wagon (C)

Item: ST2.0, ST2.0R

2 yard soil pasteurization wagon with fold down sides for manual unloading or hydraulic rear dump. Soil sits on a perforated aeration floor. Steam is injected under the floor and heats the soil. Tarp included.

AB28 Aeration Blower (D)

Item: AB28

Used with the soil pasteurization wagons to assist with steaming and to cool and dry the soil after steaming. 3hp 230v single phase motor. 28" static pressure and 250/400 cfm (static plate closed/open).

Steam Cabinet (E)

Item: STMCAB-7, STMCAB-10

67" x 56" stainless steel cabinet available as a 7' or 10' tall model. Great for disinfecting pots, flats, or other equipment with steam. Steam port, drain ports, and temp gauge included.

Soil Mixer (F)

Item: MIXER0.5, MIXER1.0, MIXER2.0

Heavy duty, ribbon style soil mixer. Available in 1/2 yard, 1 yard or 2 yard sizes. Adjustable height legs and slide gate with optional discharge conveyor. We also offer an optional steam package for pasteurizing soil in the mixer.



RETAIL READY





Perennials

POINT OF PURCHASE SIGNAGE

We make what you need. We offer
complementary design services and
a wide variety of sign options.

Don't see what you desire?
Call us at 419-666-3662 x 102.

FREE DESIGN WORK ON ALL CUSTOM ORDERS!



Perennials



Sunny Annuals



Shade Annuals



Herb Garden



Vegetables



Poinsettias

Pre-designed Poster Options

- 2 sided printing
on Coroplast
- Full color print
- UV coated
- Grommets for
easy hanging
(24x36)

16" x 24"

| Item | Description |
|-----------|---------------|
| PP-1623PE | Perennials |
| PP-1623PO | Poinsettias |
| PP-1623SH | Shade Annuals |
| PP-1623SU | Sunny Annuals |
| PP-1623VG | Vegetables |
| PP-1623HG | Herb Garden |

24" x 36"

| Item | Description |
|-----------|---------------|
| PP-2436PE | Perennials |
| PP-2436PO | Poinsettias |
| PP-2436SH | Shade Annuals |
| PP-2436SU | Sunny Annuals |
| PP-2436VG | Vegetables |
| PP-2436HG | Herb Garden |

Custom Coroplast Posters

- Printed in UV cured ink/long-lasting durability
- Full color bleeds
- Durable high-quality outdoor 4mm coroplast
- Shipped within 5 days of proof approval
- Custom sizes available

Options

- Grommets in top corners - Free
- Double Sided - Additional cost,
same as front or new image

Step stakes
available
Item # PP-SS

Custom Vinyl Banners

- Printed in true digital color
- Full color bleeds
- Durable high-quality outdoor 13oz scrim vinyl
- Reinforced on all 4 sides with banner welding
- Drop-shipped within 5 days of proof approval

Options

- **Grommets** (2-3') - Free
- **Rope** - Additional cost
 - 500 pound nylon cord welded with 2' of slack
 - Location: top, bottom, top & bottom
- **Pole Pockets** - Additional cost
 - Size: 1, 2, 3, or 4" (Dimensions unchanged)
 - Location: top, bottom, top & bottom, left, right, left & right

Many other substrates available. | **Contact Customer Service**
Ask your sales person for more details. | **800.888.0054**

TOOLS

2025



We carry many gardening tools:

Hand Tools, Long Handled Tools, Wheelbarrows,
Garden Cleanup, Sprayers

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



POTS AND PLANTERS

2025



We carry a great selection of retail planters:

Decorative Plastic, Metal, Moss Planters
Ceramic and Clay, Hanging Baskets, Macrame
Self Watering, Urns, Window Box and Railing
Succulent and Small Planters.

*These pages show a sampling.
For the complete listing
see the Retail Catalog.*





GARDEN ACCESSORIES & DÉCOR

2025



We carry many garden accessories:

Gloves and Kneelers, Plastic/Cork Saucers, Shepherd Hooks/Trellis/Obelisk/Plant Stand, Flags, Garden Décor, Fountains, Citronella & Torches.

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



WATERING

2025



We carry many watering products:

Sprinkler, Hoses & Wands, Watering Cans,
Watering Accessories

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



DRAMM **Gilmour** **melnor**
Hoses Nozzles Sprinklers

SWAN **CHAPIN**
The Watering Company® COVER MORE GROUND

Union Products
Division of **CADO**

HC Leader in Horticultural Containers

bloem



BIRDING

2025



We carry many birding items:

Bird Baths, Bird houses/feeders, Bird Seed & Suet, Hooks & Hangers, Hummingbird Supplies

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



SEED STARTING



We carry indoor gardening supplies:

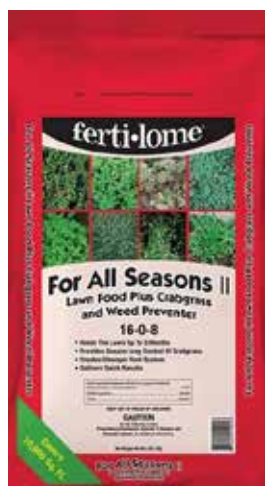
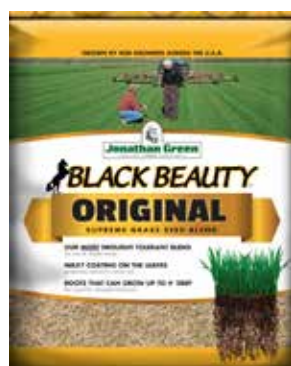
Misters/Sprayers, Indoor Plant Care, Lighting, Domes & Kits, Peat Pots & Trays, Plant labels, Grow Bags

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



LAWN CARE

2025



We carry many lawn care items:

Grass Seed, Lawn Fertilizer, Spreaders, Weed & Pest Control, Straw

This page shows a sampling.
For the complete listing
see the Retail Catalog.



CROP SUPPORT

2025



We carry crop support:

Netting & Burlap, Stakes, Tomato Support
and Weed Barriers

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



SOILS & AMENDMENTS

2025



We carry many great soil brands:

Soil, Soil Cover and Moss Soils, and Soil Conditioners

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



PRO-MIX



ORGANIC



PLANT CARE & FOOD

2025



We carry plant care & food:

Liquid & Granular Fertilizers, Water Soluble & Time Release Fertilizers, Meters & Soil Testers

*This page shows a sampling.
For the complete listing
see the Retail Catalog.*



LAWN AND GARDEN SOLUTIONS

2025



We carry lawn and garden solutions:

Animal Repellents, Disease & Weed Control and Pest Solutions

These pages shows a sampling.
For the complete listing
see the Retail Catalog.



everguard
REPELLENTS

ferti-lome

BROADWAY
Lawn & Garden

Monterey
Lawn & Garden

TRUSTED SINCE 1924
BONIDE

RESCUE
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CONTAINERS & PLANTERS





 Greenhouse |  Nursery |  Sustainable |  Retail |  Decorative



Producing growing containers to meet the unique needs
of every grower, in every market



Shell
Hanging
Basket
Black

Quilted
Planter
Black

Quilted
Hanging
Basket
White

Shell & Quilted Series

| Item | Description | Color | Outside Diameter | Height | Liquid Volume US | Qty |
|---------|-------------------------------|-------|------------------|--------|------------------|--------------|
| 49-8849 | 10.00 Shell Hanging Planter | White | 10.00 | 6.56" | 1.50 gal | 50 / cs |
| 49-8850 | 10.00 Shell Hanging Planter | Black | 10.00 | 6.56" | 1.50 gal | 50 / cs |
| 51-3283 | 10.00 Shell Hanging Planter | White | 10.00 | 6.56" | 1.50 gal | 3,200/pallet |
| 51-3282 | 10.00 Shell Hanging Planter | Black | 10.00 | 6.56" | 1.50 gal | 3,200/pallet |
| 49-8847 | 10.00 Quilted Hanging Planter | White | 10.00 | 6.56" | 1.50 gal | 50 / cs |
| 49-8848 | 10.00 Quilted Hanging Planter | Black | 10.00 | 6.56" | 1.50 gal | 50 / cs |
| 51-3285 | 10.00 Quilted Hanging Planter | White | 10.00 | 6.56" | 1.50 gal | 3,200/pallet |
| 51-3284 | 10.00 Quilted Hanging Planter | Black | 10.00 | 6.56" | 1.50 gal | 3,200/pallet |

Cap dish is included. Hangers are sold separately. Other color available.



Hammered Metal Series

| Item | Description | Color | Outside Diameter | Height | Liquid Volume US | Qty/cs |
|----------|----------------------|---------------|------------------|--------|------------------|--------|
| 51-8830 | 10.0 Hanging Basket | Platinum Gray | 10" | 6.5" | 1.5 gal. | 50 |
| 51-8831 | 10.0 Hanging Basket | Black | 10" | 6.5" | 1.5 gal. | 50 |
| 51-8832 | 10.0 Hanging Basket | Walnut | 10" | 6.5" | 1.5 gal. | 50 |
| 51-8833 | 10.0 Hanging Basket | Valley Blue | 10" | 6.5" | 1.5 gal. | 50 |
| 49-8830 | 10.0 Planter | Platinum Gray | 10" | 7.25" | 1.7 gal. | 50 |
| 49-8831 | 10.0 Planter | Black | 10" | 7.25" | 1.7 gal. | 50 |
| 49-8832 | 10.0 Planter | Walnut | 10" | 7.25" | 1.7 gal. | 50 |
| 49-8833 | 10.0 Planter | Valley Blue | 10" | 7.25" | 1.7 gal. | 50 |
| 51-8443* | 10.0 Hanging Basket* | Platinum Gray | 10" | 6.5" | 1.5 gal. | 3,200 |
| 51-8444* | 10.0 Hanging Basket* | Black | 10" | 6.5" | 1.5 gal. | 3,200 |
| 51-8445* | 10.0 Hanging Basket* | Walnut | 10" | 6.5" | 1.5 gal. | 3,200 |
| 51-8447* | 10.0 Hanging Basket* | Valley Blue | 10" | 6.5" | 1.5 gal. | 3,200 |
| 53-8830* | 10.0 Planter* | Platinum Gray | 10" | 7.25" | 1.7 gal. | 3,125 |
| 53-8831* | 10.0 Planter* | Black | 10" | 7.25" | 1.7 gal. | 3,125 |
| 53-8832* | 10.0 Planter* | Walnut | 10" | 7.25" | 1.7 gal. | 3,125 |
| 53-8833* | 10.0 Planter* | Valley Blue | 10" | 7.25" | 1.7 gal. | 3,125 |

Note: Hangers are sold separately. | *Non-Stock Item

Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 10% |
| \$1,500.00 | 15% |
| \$2,500.00 | 20% |

Savings apply to all HC Companies products.





Progression Series

| Item | Description | Color | Outside Diameter | Height | Liquid Volume US | Qty |
|----------|---|-----------|------------------|--------|---------------------|-------|
| 51-3164 | 10.00 Progression Hanging Basket | Dark Gray | 10" | 6.50" | 1.50 gal. | 50 |
| 51-3165 | 10.00 Progression Hanging Basket | Chocolate | 10" | 6.50" | 1.50 gal. | 50 |
| 51-3166 | 10.00 Progression Hanging Basket | Black | 10" | 6.50" | 1.50 gal. | 50 |
| 51-3167 | 10.00 Progression Planter | Dark Gray | 10" | 8" | 1.70 gal. | 50 |
| 51-3168 | 10.00 Progression Planter | Chocolate | 10" | 8" | 1.70 gal. | 50 |
| 51-3169 | 10.00 Progression Planter | Black | 10" | 8" | 1.70 gal. | 50 |
| 51-70310 | 10.00 Progression Hanging Basket - ½ pallet (includes cap dish and hanger) | Dark Gray | 10" | 6.50" | 1.50 gal. | 1,250 |
| 51-70320 | 10.00 Progression Hanging Basket - ½ pallet (includes cap dish and hanger) | Chocolate | 10" | 6.50" | 1.50 gal. | 1,250 |
| 51-70330 | 10.00 Progression Hanging Basket - ½ pallet (includes cap dish and hanger) | Black | 10" | 6.50" | 1.50 gal. | 1,250 |
| 51-3174 | 10.00 Progression Hanging Basket - pallet | Dark Gray | 10" | 6.50" | 1.50 gal. | 3,200 |
| 51-3175 | 10.00 Progression Hanging Basket - pallet | Chocolate | 10" | 6.50" | 1.50 gal. | 3,200 |
| 51-3176 | 10.00 Progression Hanging Basket - pallet | Black | 10" | 6.50" | 1.50 gal. | 3,200 |
| 51-3177 | 10.00 Progression Planter - pallet | Dark Gray | 10" | 8" | 1.70 gal. | 3,200 |
| 51-3178 | 10.00 Progression Planter - pallet | Chocolate | 10" | 8" | 1.70 gal. | 3,200 |
| 51-3179 | 10.00 Progression Planter - pallet | Black | 10" | 8" | 1.70 gal. | 3,200 |

Wrapt HP
Sandstone

Wrapt HP
Timeless
Black



Wrapt Series

| Item | Description | Color | Outside Diameter | Height | Liquid Volume US | Qty/cs |
|----------|-----------------------|----------------|------------------|--------|------------------|--------|
| 51-70210 | 11.00 Hanging Planter | Chocolate | 11" | 6.55" | 1.7 gal. | 25 |
| 51-70220 | 11.00 Hanging Planter | Sandstone | 11" | 6.55" | 1.7 gal. | 25 |
| 51-70230 | 11.00 Hanging Planter | Timeless Black | 11" | 6.55" | 1.7 gal. | 25 |
| 51-70240 | 13.00 Hanging Planter | Chocolate | 13" | 7.75" | 2.73 gal. | 25 |
| 51-70250 | 13.00 Hanging Planter | Sandstone | 13" | 7.75" | 2.73 gal. | 25 |
| 51-70260 | 13.00 Hanging Planter | Timeless Black | 13" | 7.75" | 2.73 gal. | 25 |

Wrapt: Cap dish is included with the Wrapt Hanging Baskets. *Hangers are sold separately.

Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 10% |
| \$1,500.00 | 15% |
| \$2,500.00 | 20% |

Savings apply to all HC Companies products.



Decorative Planters

| Clay Item | Black Item | Mocha Item | Chocolate Item# | Description | Outside Diameter | Height | Liquid Volume | Qty/cs | Hgr or pot Compatibility |
|-------------------------|------------|------------|-----------------|------------------------------|------------------|--------|---------------|--------|--------------------------|
| Decorative Bowls | | | | | | | | | |
| 49-3460 | - | 49-3660 | - | 10.00 Color Bowl | 9.93" | 4.75" | 1.02 gal. | 82 | Hanger E-10 or E-10L |
| 49-3470 | - | 49-3670 | - | 12.00 Color Bowl | 12.68" | 5.18" | 1.85 gal. | 42 | Hanger E-12 |
| 48-3475 | - | 48-3675 | - | 14.00 Color Bowl | 14.75" | 5.62" | 2.57 gal. | 45 | |
| 39PAD0800C | - | - | - | 08.00 Panterra Bowl | 8" | 3.87" | 2.17 qt. | 250 | |
| 39PAD1000C | - | - | - | 10.00 Panterra Bowl -TagGrip | 10" | 4.87" | 1.06 gal. | 100 | |
| 39PAD1200C | - | - | - | 12.00 Panterra Bowl -TagGrip | 12" | 5.12" | 1.59 gal. | 50 | |
| 39PAD1400C | - | - | - | 14.00 Panterra Bowl -TagGrip | 14" | 5.75" | 2.44 gal. | 50 | |
| Decorative Pots | | | | | | | | | |
| 49-3630 | - | 49-3830 | 49-3930 | 08.00 Color Pot TL | 8.93" | 6.06" | 1.01 gal | 58 | Hanger E-10 or E-10L |
| 49-3638 | - | 49-3838 | 49-3938 | 10.00 Color Pot 1 | 11" | 7.75" | 2.00 gal. | 58 | Hanger E-12 |
| 49-3637 | - | 49-3837 | - | 10.00 Color Pot 3 TL | 9.87" | 7.87" | 1.67 gal | 50 | |
| 49-3646 | - | 49-3546 | 49-3446 | 12.00 Color Pot 1 | 13.37" | 9.5" | 3.62 gal. | 28 | |
| 49-3645 | - | 49-3545 | 49-3945 | 12.00 Color Pot 2 TL | 11.81" | 9.5" | 2.87 gal. | 40 | |
| 49-3654 | - | 49-3854 | 49-3954 | 14.00 Color Pot | 15.53" | 11.31" | 5.66 gal. | 20 | |
| 39PAD06C | - | - | - | 06.00 Panterra Pot | 6.62" | 5.12" | 1.78 qt. | 350 | |
| 39PAD08PC | 49-2464* | - | - | 08.00 Panterra Pot | 8.87" | 6.00" | 2.83 qt. | 250 | |
| 39PAD10PC | 49-2483* | - | - | 10.00 Panterra Pot | 11.12" | 7.75" | 1.92 gal. | 100 | |
| 39PAD12PC2 | 49-2561* | - | - | 12.00 Panterra Pot | 13.25" | 9.5" | 3.35 gal. | 58 | |
| 39PAD14PC | 49-2587* | - | - | 14.00 Panterra Pot | 15.62" | 11.37" | 5.54 gal. | 25 | |
| 55-3846 | 55-3847 | - | - | 12.00 Cordova Pot | 13" | 8.5" | 3.14 gal. | 25 | |
| 55-3854 | - | - | - | 14.00 Cordova Pot | 15" | 10" | 5.20 gal. | 22 | |

* Black Panterra Pots are Non-Stock Items.

| Support Cage | Qty /cs |
|---------------------------------------|---------|
| 51-3202 Climbing Plant Support Cage** | 48 |

**Container sold separately. Fits the 12" Color Pot and the 12" Panterra Pot.
Items: 49-3646, 49-3546, 53-3648, 53-3848, 39PAD12PC. Welded, Green coated wire, hook under lip.



Decorative Planters

| Item | Description | Color | Outside Diameter | Height | Liquid Volume | Qty/cs | Hanger Compatibility |
|----------------------------|-------------------------------|-----------|------------------|--------|---------------|--------|----------------------|
| Centabella Planters | | | | | | | |
| 39CBU1250C | 12.50 Centabella with TagGrip | Clay | 12.5" | 9.5" | 3.25 gal. | 24 | |
| 39CBU1250S | 12.50 Centabella with TagGrip | Sandstone | 12.5" | 9.5" | 3.25 gal. | 24 | |
| 49-2263 | 12.50 Centabella with TagGrip | Black | 12.5" | 9.5" | 3.25 gal. | 24 | |
| 39CBU1550C | 15.50 Centabella | Clay | 15.5" | 12.5" | 6.19 gal. | 12 | |
| 39CBU1550SS | 15.50 Centabella | Sandstone | 15.5" | 12.5" | 6.19 gal. | 12 | |
| 49-2290 | 15.50 Centabella | Black | 15.5" | 12.5" | 6.19 gal. | 12 | |
| 39CBU1900C | 19.00 Centabella | Clay | 19" | 15" | 11.40 gal. | 12 | |
| 39CBU1900SS | 19.00 Centabella | Sandstone | 19" | 15" | 11.40 gal. | 12 | |
| 49-2320 | 19.00 Centabella | Black | 19" | 15" | 11.40 gal. | 12 | |
| Decostone Planters | | | | | | | |
| 51-3140 | 11.50 Decostone Planter | Clay | 11" | 8.5" | 2.00 gal. | 50 | |
| 51-3142 | 11.50 Decostone Planter | Sandstone | 11" | 8.5" | 2.00 gal. | 50 | |
| 49-2845 | 11.50 Decostone Planter | Black | 11" | 8.5" | 2.00 gal. | 50 | |
| 51-3150 | 13.50 Decostone Planter | Clay | 13.37" | 10" | 3.38 gal. | 25 | |
| 51-3152 | 13.50 Decostone Planter | Sandstone | 13.37" | 10" | 3.38 gal. | 25 | |
| 49-2872 | 13.50 Decostone Planter | Black | 13.37" | 10" | 3.38 gal. | 25 | |
| 51-3154 | 16.00 Decostone Planter | Clay | 15 3/4" | 12" | 5.28 gal. | 20 | |
| 51-3156 | 16.00 Decostone Planter | Sandstone | 15 3/4" | 12" | 5.28 gal. | 20 | |
| 49-2893 | 16.00 Decostone Planter | Black | 15 3/4" | 12" | 5.28 gal. | 20 | |
| Oval Planters | | | | | | | |
| 49-3870 | 12.00 Oval Color Planter | Clay | 12.96" | 5" | 1.06 gal. | 88 | Hanger E-12 |
| 49-3880 | 16.00 Oval Color Planter | Clay | 16.93" | 5.87" | 2.06 gal. | 43 | Hanger E-12 |
| 49-3890 | 20.00 Oval Color Planter | Clay | 20.87" | 6" | 2.72 gal. | 28 | |
| 49-3770 | 12.00 Oval Color Planter | Mocha | 12.96" | 5" | 1.06 gal. | 88 | Hanger E-12 |
| 49-3780 | 16.00 Oval Color Planter | Mocha | 16.93" | 5.87" | 2.06 gal. | 43 | Hanger E-12 |
| 49-3790 | 20.00 Oval Color Planter | Mocha | 20.87" | 6" | 2.72 gal. | 28 | |
| 39PAP1200C | Panterra Oval | Clay | 13.62" | 5" | 3.86 qt. | 50 | |
| 39PAD16PC | Panterra Oval | Clay | 16.75" | 6" | 1.97 gal. | 50 | |
| Square Planters | | | | | | | |
| 49-3840 | 08.00 Square Color Planter | Clay | 8" | 7.06" | 1.30 gal. | 56 | |
| 49-3846 | 12.00 Square Color Planter | Clay | 11.37" | 10" | 3.08 gal. | 32 | |
| 53-3858 | 15.00 Square Color Planter | Clay | 14.37" | 12.37" | 6.50 gal. | 10 | |



Hanging Baskets

| Green Item | White Item | Description | Outside Diameter | Height | Liquid Volume | Qty/cs |
|---|------------|---|------------------|--------|---------------|--------|
| Euro Style— Swirl Sidewall (Without saucer. Includes capdish.) | | | | | | |
| 51-7422 | 51-7522 | 06.00 Euro SL HB | 6.50" | 4.25" | 1.59 qt | 100 |
| 51-7430 | 51-7530 | 08.00 Euro SL HB 2 | 8" | 5.56" | 3.23 qt. | 50 |
| 51-7438 | 51-7538 | 10.00 Euro SL HB 2 | 10" | 6.12" | 1.39 gal. | 50 |
| 51-7446 | 51-7546 | 12.00 Euro SL HB | 11.75" | 7.25" | 2.39 gal. | 50 |
| Traditional Style— Smooth Sidewall (Without saucer. Includes capdish.) | | | | | | |
| 51-2332 | - | 8.00 Traditional SL HB (HTS0800) | 8.62" | 5.00" | 3.35 qt. | 50 |
| 51-2334 | 51-2333 | 10.00 Traditional SL HB (HTS1000) | 10.75" | 5.87" | 1.47 gal. | 50 |
| 51-8438 | 51-8538 | 10.00 Traditional SL HB 1 | 10.75" | 6.93" | 1.64 gal. | 50 |
| 51-2326 | 51-2325 | 11.00 Traditional SL HB (HTS1100) | 10.75" | 6.50" | 1.73 gal. | 50 |
| 51-8446 | 51-8546 | 12.00 Traditional SL HB | 12" | 7.12" | 2.21 gal. | 50 |
| 51-2340 | 51-2335 | 12.00 HTS HB | 13" | 7.5" | 2.77 gal. | 50 |
| 51-2039 | 51-2139 | 10.00 Kord SL HB (HNI1000) | 10.75" | 6.75" | 1.66 gal. | 100 |
| Traditional Style (With External Saucers) | | | | | | |
| 51-8030 | - | 08.00 Traditional WS HB | 8.75" | 5.06" | 2.86 qt. | 50 |
| 51-8038 | 51-8138 | 10.00 Traditional WS HB | 10.75" | 6.90" | 1.60 gal | 50 |
| 51-8040* | 51-8140 | Super Traditional WS HB | 11.70" | 6.5" | 1.77 gal. | 50 |
| Cascade Style | | | | | | |
| 51-74382 | 51-75382 | 10.0 Cascade SL HB | 10" | 6.12" | 1.34 gal. | 100 |
| Tuscan Style | | | | | | |
| 51-76382 | 51-77382 | 10.0 Tuscan SL HB | 10" | 5.75" | 1.27 gal. | 100 |
| Half Pallet Hanging Basket Program (Without saucer) ** | | | | | | |
| 51-74395* | 51-75395* | 10.00 Euro 2 SL HB ½ Pallet 1600/bulk w/capdish | 10" | 6.12" | 1.39 gal. | 1,600 |
| 51-84395** | 51-85395* | 10.00 Trad SL HB ½ Pallet 1200/bulk w/capdish | 10.75" | 6.93" | 1.64 gal. | 1,200 |
| 51-8439 | - | 10.00 Trad SL HB Pallet 2400 bulk (capdish and hanger not included) | 10.75" | 6.93" | 1.64 gal. | 2,400 |

** Must have equipment to unload Half Pallet and Pallet. Available while supplies last.

*Seasonal production item, please call for availability.

HB = Hanging Basket SL = Saucerless WS = With Saucer

2025



Decorative Hanging Baskets

| Item | Size / Description | Color | Outside Diameter | Height | Liquid Volume | Qty/cs |
|--------------------------|--------------------|-----------|------------------|--------|---------------|--------|
| Color Basket | | | | | | |
| 51-32461 | 12.00 SL Basket | Clay | 12.18" | 7.25" | 2.29 gal. | 25 |
| 51-34461 | 12.00 SL Basket | Mocha | 12.18" | 7.25" | 2.29 gal. | 25 |
| Decostone Basket | | | | | | |
| 51-3160 | 12.00 Basket | Clay | 12.87" | 7" | 2.17 gal. | 50 |
| 51-3162 | 12.00 Basket | Sandstone | 12.87" | 7" | 2.17 gal. | 50 |
| Ultra Basket | | | | | | |
| 39U11HPC | 11.00 Basket | Clay | 11" | 6.5" | 1.65 gal. | 100 |
| 39U11HPSS | 11.00 Basket | Sandstone | 11" | 6.5" | 1.65 gal. | 100 |
| 49-3006 | 12.00 Basket | Sandstone | 12" | 7" | 2.15 gal. | 50 |
| Centabella Basket | | | | | | |
| 51-10036 | 12.0 Basket | Sandstone | 12.37" | 7" | 2.30 gal. | 50 |

For more decorative hanging baskets: See the collections on pages 123-126

HIGH-END & HASSLE-FREE COMBOS

Vegetative mix programs like Kwik Kombos™ and Confetti Gardens® take the guesswork out of producing premium combos. Start with our Seed & Plant catalog or contact your Griffin sales representative!



Syngenta Flowers Cabrio
Speed Limit Mix Kwik Kombos

Hanger / Basket Compatibility

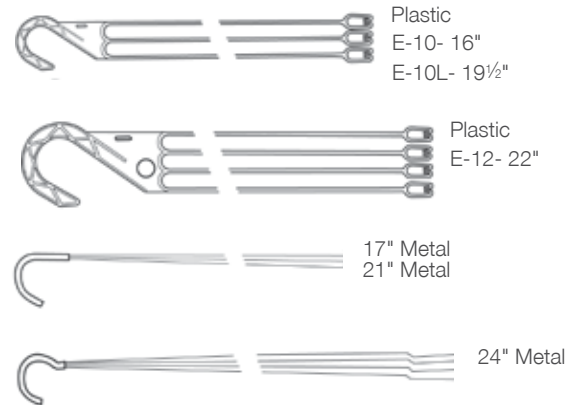
Plastic Hangers & Basket Compatibility

| Hanging Baskets | Hanger |
|---|---------------------------------|
| All 06.00 HB, 08.00 HB, 10.00 HB, 08.00 Color Pot, 10.00 Color Bowl | E-10 3-Strand Plastic |
| All 08.00 HB, 10.00 HB, 11.00 Wrapt HB | 18.0 Long Snap Hanger 3-strand |
| All 08.00 HB, 10.00 HB, 08.00 SL Hanging Point. Pot, SL Hanging Point. Pot, 10.00 Color Bowl, 08.00 Color Pot, 11.00 Shimmer HB | E-10 L (Long) 3-Strand Plastic |
| All 12.00 HB, Super TRAD HB, 12.00 Color Bowl, 10.00 Color Pot 1, 12.00 Oval Planter, 16.00 Oval Planter | E-12 4-Strand Plastic |
| 12.00 HTS 1200, 12.00 Kord SL, 13.00 Wrapt HB | 22.00 Long Snap Hanger 4 Strand |



Wire Hangers & Basket Compatibility

| Hanging Baskets | Hanger |
|--|--------------------|
| All 06.00 HB, 08.00 HB, 10.00 HB | 17" 3-Strand Metal |
| All 08.00 HB, 10.00 HB | 21" 3-Strand Metal |
| 12.00 TRAD SL HB, 12.00 Euro SL WS, SUPER TRAD WS HB | 24" 4-Strand Metal |
| 12.00 TRAD SL HB, 12.00 Euro SL WS, SUPER TRAD WS HB | 24" 4-Strand Metal |



Hangers

Plastic Hangers

| Hanger | Green Item | White Item | Clay Item | Mocha Item | Chocolate Item | Black Item | Sandstone Item | Length | Qty /cs |
|---------------------------------------|------------|------------|-----------|------------|----------------|------------|----------------|---------|---------|
| E-10 3-Strand Plastic Hanger | 51-5582 | 51-5583 | 51-5578 | 51-5679 | — | 51-5510BK | 51-55SS | 16" | 50 |
| 18.00 Medium Snap Hanger 4-strand | — | — | — | — | — | — | 39P4SMHSS | 18" | 25 |
| 18.00 Long Snap Hanger 3-strand | 39P3SLHG | 39P3SLHW | 39P3SLHC | — | 39P3SLHCEBN | 39P3SLHB | 39P3SLHSS | 18" | 25 |
| E-10 L (Long) 3-Strand Plastic Hanger | 51-5592 | 51-5593 | 51-5596 | 51-5697 | 51-55937 | 51-55BLK | — | 19 1/2" | 50 |
| E-12 4-Strand Plastic Hanger | 51-5587 | 51-5588 | 51-5598 | 51-5699 | — | — | — | 22" | 25 |

Wire Hangers

| Hanger | Item | Length (Tip to Tip) | Qty /cs |
|--|---------|---------------------|---------|
| 14" Hoop & Hanger Assembly for Cordova | 51-5574 | 25 1/2" | 22 |
| 17" 3-Strand Metal | 51-5575 | 17" | 50 |
| 21" 3-Strand Metal | 51-5576 | 21" | 50 |
| 21" 4-Strand Metal | 51-2477 | 21" | 50 |
| 24" 4-Strand Metal | 51-5577 | 24" | 50 |

Co-Ex Pots & Trays

- Co-extruded with a barrier layer for maximum opacity
- Lightweight design for greater cost efficiency
- Sized to fit existing Carry Trays for quick compatibility in your system
- North American sizes to fit existing benches, carts, and handling systems for added convenience
- Customize with offset printing to create unique packaging solutions
- Quart size has tag locator for captivating graphic displays
- Color outer layer ideal for offset printing for maximum retail impact
- Strong rims for efficient use in automated systems
- Polypropylene construction is lightweight, yet durable



2025

| Item | Description | Color | Tray Count | Outside Diameter | Height | Liquid Volume | Qty/cs |
|---|-------------------------|-------|------------|------------------|--------|---------------|--------|
| 4.00 STD TL Pots and Trays | | | | | | | |
| 45-7012 | P 4.00 STD TL Coex Pot | BK | - | 4" | 4" | 1.00 pt. | 1,260 |
| 45-7014 | P 4.00 STD TL Coex Pot | GN | - | 4" | 4" | 1.00 pt. | 1,260 |
| 45-7013 | P 4.00 STD TL Coex Pot | TC | - | 4" | 4" | 1.00 pt. | 1,260 |
| 53-XTR104004 | CTXR410 CX PP Tray | - | 10 | 20.62" x 8.25" | 4" | - | 50 |
| 53-XTA154004 | CTXR415 CX PP Tray | - | 15 | 20.55" x 12.29" | 4" | - | 50 |
| 4.25 GER Pots and Trays | | | | | | | |
| 45-7812 | P 04.25 GER TL Coex Pot | BK | - | 4.25" | 4.25" | 1.26 pt. | 520 |
| 45-7814 | P 04.25 GER TL Coex Pot | GN | - | 4.25" | 4.25" | 1.26 pt. | 520 |
| 45-7813 | P 04.25 GER TL Coex Pot | TC | - | 4.25" | 4.25" | 1.26 pt. | 520 |
| 53-TG1043304 | CTXG42510 CX PP Tray | - | 10 | 21" x 8.5" | 5.5" | - | 50 |
| 4.50 GER Pots and Trays | | | | | | | |
| 45-7818 | P 04.50 GER TL Coex Pot | BK | - | 4.5" | 3.75" | 1.26 pt. | 720 |
| 45-7816 | P 04.50 GER TL Coex Pot | GN | - | 4.5" | 3.75" | 1.26 pt. | 720 |
| 45-7817 | P 04.50 GER TL Coex Pot | TC | - | 4.5" | 3.75" | 1.26 pt. | 720 |
| 45-7815 | P 04.50 GER TL Coex Pot | WH | - | 4.5" | 3.75" | 1.26 pt. | 720 |
| 53-XTG104504 | CTXG4510 CX PP Tray | - | 10 | 23" x 9.5" | 3.75" | - | 50 |
| 53-XTG124504 | CTXG4512CX PP Tray | - | 12 | 18.5" x 14" | 3.75" | - | 50 |
| 53-XTG154504 | CTXG4515 CX PP Tray | - | 15 | 23" x 14" | 3.75" | - | 50 |
| 4.00 Square - 01.00 Quart Pots and Trays | | | | | | | |
| 45-4184 | 04.00 1 Q Square Pot | BK/BK | - | 4" | 5.75" | 1.0 qt. | 400 |
| 45-4186 | 04.00 1 Q Square Pot | GN/BK | - | 4" | 5.75" | 1.0 qt. | 400 |
| 53-XTS15402 | CTS415QT CX TRAY | BK/BK | 15 | 20.50" x 12.50" | 2" | - | 50 |
| 01.00 Quart Pots and Trays | | | | | | | |
| 45-4246 | P 01.00 Q PER TL CX Pot | GN/BK | - | 4.62" | 5.25" | 1.0 qt. | 432 |
| 45-42233 | P 01.00 Q PER TL CX Pot | CL/BK | - | 4.62" | 5.25" | 1.0 qt. | 432 |
| 45-4223 | P 01.00 Q PER TL CX Pot | BK/BK | - | 4.62" | 5.25" | 1.0 qt. | 432 |
| 53-41082 | CTQ8R CX Tray | - | 8 | 19.5" x 10" | 5.5" | - | 50 |
| 53-41182 | TRS10QD Tray | - | 10 | 23" x 9.06" | 5.13" | - | 50 |
| 5.00 AZ Short Pots | | | | | | | |
| 45-7718 | 05.00 AZ Short CX Pot | BK/BK | - | 5" | 3.75" | 1.76 pt. | 675 |
| 45-77182 | 05.00 AZ Short CX Pot | GN/BK | - | 5" | 3.75" | 1.76 pt. | 675 |
| 48-1180 | CTA58 CX TRAY | BK/BK | 8 | 19.87" x 9.87" | 3.75" | - | 50 |

Bk = Black Cl = Clay TC = Terracotta GN = Green COEX = Co-Extruded CX = Co-Extruded Per = Perennial TL = Tag Locator Q = Quart SQ = Square

*Season production item, please reach out to Customer Service for availability.

P = Offset Printing Available

Co-Ex Pots & Trays

| Item | Description | Color | Tray Count | Outside Diameter | Height | Liquid Volume | Qty/cs |
|--|--------------------------------|-------|------------|------------------|--------|---------------|--------|
| 5.50 AZ Pots | | | | | | | |
| 45-7520 | 05.50 AZ CX Pot | BK/BK | - | 5.25" | 4.50" | 1.25 qt. | 496 |
| 45-7620 | 05.50 AZ CX Pot | CL/BK | - | 5.25" | 4.50" | 1.25 qt. | 496 |
| 45-7720 | 05.50 AZ CX Pot | GN/BK | - | 5.25" | 4.50" | 1.25 qt. | 496 |
| 53-31222 | CTA558CX TRAY | BK/BK | 8 | 22.00" x 11.00" | 4.62" | - | 50 |
| 6.00 Standard Coex Pots and Trays | | | | | | | |
| 45-7016BB | 06.00 Standard CX Pot | BK | - | 6" | 5.710" | 1.82 qt. | 480 |
| 53-3270 | CTR66 Tray | BK | 6 | 18.5" x 12.37" | 5" | - | 50 |
| 15CM Short Euro Pots and Trays | | | | | | | |
| 45-8531 | 15CM Short Euro CX Pot | BK/BK | - | 6" | 4.17" | 1.30 qt. | 680 |
| 45-8533 | 15CM Short Euro CX Pot | GN/BK | - | 6" | 4.17" | 1.30 qt. | 680 |
| 48-2680 | 6 Pocket Tray - 15CM Short | - | 6 | 17.87" x 11.87" | 4.37" | - | 50 |
| 15CM Tall Euro Pots and Trays | | | | | | | |
| 45-8539 | P 15CM Tall Euro CX Pot | BK/BK | - | 6" | 5.12" | 1.65 qt. | 488 |
| 45-8540 | P 15CM Tall Euro CX Pot | GN/BK | - | 6" | 5.12" | 1.65 qt. | 488 |
| 45-8541 | P 15CM Tall Euro CX Pot | TC/BK | - | 6" | 5.12" | 1.65 qt. | 488 |
| 48-2682* | 6 Pocket Tray - 15 CM Tall | - | 6 | 17.87" x 11.87" | 5.31" | - | 50 |
| 16CM Euro Pots and Trays | | | | | | | |
| 45-8503 * | 16CM Euro CX Pot | CL/BK | - | 6.29" | 6.69" | 2.50 qt. | 200 |
| 45-8501 | 16CM Euro CX Pot | BK/BK | - | 6.29" | 6.69" | 2.50 qt. | 200 |
| 17CM Short Euro Pots and Trays | | | | | | | |
| 45-75240 | 17CM Short Euro CX Pot | BK/BK | - | 6.62" | 5" | 2.00 qt. | 300 |
| 45-75250 | 17CM Short Euro CX Pot | GN/BK | - | 6.62" | 5" | 2.00 qt. | 300 |
| 45-76240 | 17CM Short Euro CX Pot | CL/BK | - | 6.62" | 5" | 2.00 qt. | 300 |
| 3906171 | 6 Pocket Tray - 17 CM Short | - | 6 | 20.25" x 13.25" | 5" | - | 50 |
| 17CM Tall Euro Pots and Trays | | | | | | | |
| 45-7524T | 17CM Tall Euro CX Pot | BK/BK | - | 6.62" | 6" | 2.58 qt. | 294 |
| 45-7624T | 17CM Tall Euro CX Pot | CL/BK | - | 6.62" | 6" | 2.58 qt. | 294 |
| 48-2684 | 6 Pocket Tray- 17 CM Tall | - | 6 | 20.25" x 13.25" | 5" | - | 50 |
| 19CM, 21CM and Mum Pan Pots and Trays | | | | | | | |
| 45-8519 | P 19CM Short Euro CX Pot | BK/BK | - | 7.5" | 5.8" | 3.00 qt. | 220 |
| 45-8619T2 | P 19CM Tall Euro CX Pot | GN/BK | - | 7.5" | 7.37" | 1.00 gal. | 132 |
| 45-8619T | 19CM Tall Euro CX Pot | BK/BK | - | 7.5" | 7.37" | 1.00 gal. | 132 |
| 45-8521 | 21CM Short Euro CX Pot | BK/BK | - | 8" | 5" | 3.22 qt. | 230 |
| 45-85213 | 21CM Short Euro CX Pot | CL/BK | - | 8" | 5" | 3.22 qt. | 230 |
| 45-85217 | 21CM Medium Euro CX Pot | GN/BK | - | 8" | 6" | 3.61 qt. | 210 |
| 45-85215 | 21CM Medium Euro CX Pot | BK/BK | - | 8" | 6" | 3.61 qt. | 210 |
| 45-8524T | 21CM Tall Euro CX Pot | GN/BK | - | 8" | 7.25" | 1.11 gal. | 190 |
| 45-8521T | 21CM Tall Euro CX Pot | BK/BK | - | 8" | 7.25" | 1.11 gal. | 190 |
| 45-3145 | P 08.00 X 05.00 Mum pan CX Pot | CL/BK | - | 8" | 5" | 2.78 qt. | 170 |
| 45-3045 | P 08.00 X 05.00 Mum pan CX Pot | BK/BK | - | 8" | 5" | 2.78 qt. | 170 |
| 45-3146 | P 08.00 X 05.00 Mum pan CX Pot | GN/BK | - | 8" | 5" | 2.78 qt. | 170 |
| 45-3055 | 09.00 X 06.25 Mum pan CX Pot | BK/BK | - | 9" | 6.25" | 1.20 gal | 90 |
| 45-3155 | 09.00 X 06.25 Mum pan CX Pot | CL/BK | - | 9" | 6.25" | 1.20 gal | 90 |
| 45-3156* | 09.00 X 06.25 Mum pan CX Pot | GN/BK | - | 9" | 6.25" | 1.20 gal | 90 |

*Seasonal production item, please call for availability.

P = Offset Printing Available

Az = Azalea BK = Black CL = Clay COEX = Co-Extruded CX = Co-Extruded
TRAD = Traditional Per = Perennial TL = Tag Locator Q = Quart GER = Geranium



Co-Ex Pots & Trays

| Item | Description | Color | Tray Count | Outside Diameter | Height | Liquid Volume | Qty/cs |
|--------------------------------------|------------------------------|-------|------------|------------------|--------|---------------|--------|
| 1.00 T1G Squat Pots and Trays | | | | | | | |
| 45-4620* | P 01.00 T1G SQUAT CX Pot | CL/BK | - | 6.5" | 6.5" | 2.5 qt. | 140 |
| 45-4120 | P 01.00 T1G SQUAT CX Pot | BK/BK | - | 6.5" | 6.5" | 2.5 qt. | 140 |
| 45-4320 | P 01.00 T1G SQUAT CX Pot | GN/BK | - | 6.5" | 6.5" | 2.5 qt. | 140 |
| 53-41018 | CTGAS16 CX Tray | - | 6 | 20.62" x 13.87" | 6.25" | - | 50 |
| M6 SQ Pots and Trays | | | | | | | |
| 45-4122* | M6 SQ CX Pot | BK/BK | - | 5" | 5.37" | 1.5 qt. | 468 |
| 45-4122S | M6 SQ Short CX Pot | BK/BK | - | 5" | 4.5" | 1.25 qt. | 585 |
| 53-3025 | CTS68 Tray | - | 8 | 19.75" x 9.87" | 3.75" | - | 50 |
| Mum Pans - Half Pallet | | | | | | | |
| 45-30552 | 09.00 X 06.25 Mum pan CX Pot | BK/BK | - | 9.00" | 6.25" | 1.20 gal | 2,700 |
| 45-31552 | 09.00 X 06.25 Mum pan CX Pot | CL/BK | - | 9.00" | 6.25" | 1.20 gal | 2,700 |
| 45-31562 | 09.00 X 06.25 Mum pan CX Pot | GN/BK | - | 9.00" | 6.25" | 1.20 gal | 2,700 |

*Seasonal production item, please call for availability.

P = Offset Printing Available

Az = Azalea Bk = Black Cl = Clay COEX = Co-Extruded CX = Co-Extruded
TRAD = Traditional Per = Perennial TL = Tag Locator Q = Quart GER = Geranium

Injection Molded Thinwall Round Pots & Trays

- HC Companies offers more than 25 sizes of Round Thinwall Pots in popular styles including Azalea, Standard Round, Geranium, Jumbos, and Mum Pans
- Offset printing- High quality offset printing is available for many sizes of round containers. (Indicated by the symbol below)
- Custom colors available (Minimum orders apply)
- High-gloss finish for ease of cleaning and label adhesion



| Item | Description | Color | Tray Count | Outside Diameter | Height | Liquid Volume | Qty/cs |
|----------|-----------------------|-------|------------|------------------|--------|---------------|--------|
| 48-7012 | P 03.50 STD TL TW Pot | GN | - | 3.5" | 3.25" | .687 fl oz | 1,225 |
| 53-3108 | CTR3512 Tray | BK | 12 | 21.25" x 7.12" | 3.25" | - | 50 |
| 48-7014 | P 04.00 STD TW Pot | GN | - | 4" | 3.5" | 1.01 pt. | 1,550 |
| 48-7015 | P 04.00 STD TW Pot | CL | - | 4" | 3.5" | 1.01 pt. | 1,550 |
| 53-3008 | CTR410 Tray | Bk | 10 | 20" x 8" | 3.63" | - | 50 |
| 48-2724 | TRS15400 Tray | BK | - | 22" x 12.25" | 3.56" | - | 50 |
| 48-7414 | P 04.00 AZ TW Pot | GN | - | 4" | 2.87" | .887 pt | 1,980 |
| 48-2724 | TRS15400 Tray | BK | - | 22" x 12.25" | 3.56" | - | 50 |
| 48-7815 | P 04.25 GER TL TW Pot | GN | - | 4.25" | 4.09" | 1.25 pt. | 680 |
| 53-3140 | CTG42510 Tray | Bk | 10 | 21.25" x 8.37" | 4.25" | - | 50 |
| 53-3143 | CTG458 Tray | BK | - | 19.62" x 10" | 4" | - | 50 |
| 48-7817 | 04.50 GER TW Pot | WH | - | 4.5" | 3.81" | 1.26 pt. | 850 |
| 48-7816 | P 04.50 GER TW Pot | GN | - | 4.5" | 3.81" | 1.26 pt. | 850 |
| 53-3145 | CTG4515 Tray | Bk | 15 | 22.75" x 13.75" | 4" | - | 50 |
| 53-3146 | CTG4512 Tray | Bk | 12 | 18.25" x 14" | 3.75" | - | 50 |
| 53-3143 | CTG458 Tray | BK | - | 19.62" x 10" | 4" | - | 50 |
| 39E045AG | 4.5 Elite Ultra Aza | GN | - | 4.5" | 3.25" | 1.28 pt | 1000 |

P = Offset Printing Available

CTG = Carry Tray Geranium CTR = Carry Tray Round DP= Deep GER= Geranium GN = Green WH = White BK = Black
IST = Injection Shuttle Tray JUM = Jumbo M = Matte Finish STD = Standard TL = Tag Locator TW = Thinwall TRAD = Traditional

Injection Molded Thinwall Round Pots & Trays

| Item | Description | Color | Tray Count | Outside Diameter | Height | Liquid Volume | Qty/cs |
|----------|--------------------------------|-------|------------|--------------------|--------|---------------|--------|
| 39E05AG | P 05.00 Elite Ultra AZ TW Pot | GN | - | 5" | 3.5" | 0.81 qt | 750 |
| 53-3123 | CTA58 Tray | BK | 8 | 19.88" x 9.88" | 3.75" | - | 50 |
| 48-7420 | P 05.50 AZ TRAD TW (TX600) Pot | GN | - | 5.4" | 4.56" | 1.36 qt. | 544 |
| 53-3122 | CTA558 Tray | BK | 8 | 22" x 11" | 4.62" | - | 50 |
| 48-7022 | P 06.00 STD TW Pot | GN | - | 6" | 5.75" | 1.87 qt. | 440 |
| 53-3270 | CTR66 Tray | BK | 6 | 18.5" x 12.37" | 5" | - | 50 |
| 48-7523 | 06.00 AZ Pot | BK | - | 6" | 4.25" | 1.39 qt | 352 |
| 48-7423 | 06.00 AZ Pot | GN | - | 6" | 4.25" | 1.39 qt | 352 |
| 53-3160 | CTA66 Tray | BK | 6 | 18.5" x 12.37" | 4.37" | - | 50 |
| 48-2694 | 6 Elite Pocket Tray | BK | 6 | 18" x 12" | 4.25" | - | 50 |
| 53-3162 | CTA66L Tray | BK | 6 | 20" x 11.25" | 4.25" | - | 50 |
| 48-8421 | 06.00 AZ JUM TW Pot | GN | - | 6.06" | 4.93" | 1.70 qt. | 528 |
| 48-7425 | 06.50 Round AZ Pot | GN | - | 6.5" | 4.62" | 1.81 qt. | 438 |
| 48-7435 | 06.50 Round AZ Pot | BK | - | 6.5" | 4.62" | 1.81 qt. | 438 |
| 48-7445 | 06.50 Round AZ Pot | TC | - | 6.5" | 4.62" | 1.81 qt. | 438 |
| 39665R | TRS0665 Tray | BK | 6 | 19.18" x 13.25" | 5.31" | - | 50 |
| 48-8424 | P 06.50 AZ TRAD TW Pot | GN | - | 6.5" | 4.93" | 2.01 qt. | 240 |
| 53-3185 | CTAJ656 Tray | BK | 6 | 19 3/16" x 13 1/4" | 5" | - | 50 |
| 39E07AG | 7.0 Elite Ultra Aza Grn | GN | - | 7" | 5" | 2.20 qt | 250 |
| 39E075AG | 7.5 Elite Ultra Aza Grn | GN | - | 7.5" | 5.5" | 2.73 qt | 200 |
| 39E08AG | 08.00 Elite Ultra AZ Pot | GN | - | 8" | 5.62" | 3.27 qt. | 270 |
| 51-6035 | 08.00 Standard Pot | GN | - | 8.43" | 7.12" | 1.01 gal | 100 |
| 48-74321 | P 08.50 AZ TW Pot | GN | - | 8.31" | 5.81" | 3.85 qt. | 130 |
| 48-1651 | 10.00 AZ TW Pot | GN | - | 10" | 7.14" | 1.65 gal | 100 |
| 52-4119 | 1.0 T1G2 Wide TW TL Gallon Pot | GN | - | 6.5" | 7" | 2.88 qt. | 128 |

Bulb Pans

| | | | | | | | |
|---------|----------------------------|----|---|--------|-------|-----------|-----|
| 50-1696 | 08.00 TRAD Bulb Pan | Gn | - | 8" | 4" | 2.56 qt. | 96 |
| 48-4638 | 10.00 Bulb Pan 2 TW | Gn | - | 10.06" | 5.06" | 1.32 gal. | 96 |
| 48-4646 | 12.00 Bulb Pan | Gn | - | 11.94" | 6.18" | 2.30 gal. | 58 |
| 52-3045 | P 08.00 x 05.00 Mum Pan TW | BK | - | 8" | 5.06" | 3.07 qt. | 150 |
| 52-3145 | P 08.00 x 05.00 Mum Pan TW | Cl | - | 8" | 5.06" | 3.07 qt. | 150 |
| 52-3146 | P 08.00 x 05.00 Mum Pan TW | GN | - | 8" | 5.06" | 3.07 qt. | 150 |
| 52-3055 | P 09.00 x 06.50 Mum Pan TW | Bk | - | 9" | 6.56" | 1.25 gal. | 54 |
| 52-3155 | P 09.00 x 06.50 Mum Pan TW | Cl | - | 9" | 6.56" | 1.25 gal. | 54 |

P = Offset Printing Available

AZ = Azalea CTA = Carry Tray Azalea CTG = Carry Tray Geranium CTR = Carry Tray Round DP= Deep GER= Geranium GN = Green WH = White
BK = Black IST = Injection Shuttle Tray JUM = Jumbo M = Matte Finish STD = Standard TL = Tag Locator TW = Thinwall TRAD = Traditional

Injection Molded Thinwall Square Pots

- Available in 12 sizes (glossy and matte finishes)
- Six sizes feature Tag Locator slots (TL) for easy plant identification
- Five sizes are designed with a deeper bottom for crops such as perennials
- High quality molding - no flashed drain holes or sharp edges
- Custom colors available (Minimum orders apply)
- **Ultra Square Pot:** Injection formed design is ideal for automated machines. Easy tag installation and locking capabilities. Multi-level drainage with four drainage levels!



Ultra Square
Pot and Tray
Four Levels of Drainage!



HC x CHG
PARTNERS IN GROWTH

2025

| Item | Description | Color | Pots per Tray | Outside Dimensions | Height | Liquid Volume US | Qty/cs |
|-----------|--|-------|---------------|--------------------|--------|------------------|--------|
| 50-1208 | 2.5 SQ TRAD Pot | GN | - | 2.5" | 2.25" | 4.8 fl oz | 992 |
| 50-1210 | 03.00 SQ TRAD Pot | GN | - | 3" | 2.5" | 7.68 fl oz. | 504 |
| 53-10301 | TRK2830 Tray | GN | 28 | 20.75" x 12" | 2.25" | - | 50 |
| 52-3012 | 03.50 SQ DP PER TL TW Pot | BK | - | 3.37" | 3.93" | 1.010 pt. | 832 |
| 53-3012 | CTS32512 Tray | BK | 12 | 19.5" x 6.62" | 1.87" | - | 100 |
| 53-2008 | CTS32518PF Tray | BK | 18 | 19.87" x 9.87" | 1.87" | - | 50 |
| 50-1212 | 03.50 SQ Pot | GN | - | 3.5" | 3" | 12.2 fl oz. | 504 |
| 53-1012 | TKP18350 Tray | BK | 18 | 20.5" x 10.5" | 2.25" | - | 50 |
| 46-4184 | 4.00 Ultra Square Quart Wave Lock Pot | BK | - | 3.92" | 5.78" | 1.0 qt. | 500 |
| 53-3032 | CTS410QTCX0 Tray | BK | 10 | 19.87" x 7.88" | 2.65" | - | 50 |
| 48-7214 | 04.00 SQ TL TW Pot | GN | - | 3.96" | 3.62" | 1.35 pt. | 846 |
| 48-7314 | 04.00 SQ TL TW Pot | BK | - | 3.96" | 3.62" | 1.35 pt. | 846 |
| 53-3040 | CTS1540 Tray | BK | 15 | 20.25" x 12.25" | 2" | - | 50 |
| 50-8214 | 04.00 SQ TRAD TW M Pot | GN | - | 3.87" | 3.37" | 1.16 pt. | 900 |
| 53-3440 | CTS415 Tray | BK | 15 | 19.5" x 11.75" | 3.37" | - | 50 |
| 50-023502 | 4.0 SQ Presto Sheet Pot | BK | 15 | 20.00" x 12.00" | 4" | 0.71 qt | 50 |
| 53-1014 | ST1540 Sutton Tray | BK | 15 | 20.25" x 12.25" | 2" | - | 50 |
| 50-24141 | 4.0 SQ Pot | GN | - | 4.00" | 3.5" | 1.36 pt. | 960 |
| 9010094 | TLC 4.0 SQ Form Pot | BK | - | 4" | 3.25" | 1.22 pt. | 1000 |
| 48-0928 | 4.5 SQ DP PER TL Pot | GN | - | 4.21" | 4.93" | 1.03 qt. | 441 |
| 52-3215 | 4.5 SQ DP PER TL TW Pot | CL | - | 4.21" | 4.93" | 1.03 qt. | 441 |
| 48-7417 | 04.50 SQ Quick Lock Wave Lock Pot | TC | - | 4.25" | 3.84" | 1.59 pt. | 660 |
| 48-7228 | 04.50 SQ Quick Lock Wave Lock Pot | GN | - | 4.25" | 3.84" | 1.59 pt. | 660 |
| 48-7229 | 04.50 SQ Quick Lock Wave Lock Pot | BK | - | 4.25" | 3.84" | 1.59 pt. | 660 |
| 53-1016 | ST1545 Sutton Tray | BK | 15 | 21.25" x 12.75" | 2" | - | 50 |
| 41ST1245 | ST1245 Sutton Tray | BK | 12 | 16.87" x 12.25" | 2" | - | 50 |
| 41ST1045 | ST1045 Sutton Tray | BK | 10 | 21.00" x 8.50" | 2" | - | 50 |
| 53-1146 | KT1545 QL Tray | BK | 15 | 21.25" x 12.75" | 2" | - | 50 |
| 48-8216 | 04.50 SQ TRAD TW M Pot | GN | - | 4.12" | 3.5" | 1.35 pt. | 765 |
| 53-3445 | CTS4515 Tray | BK | - | 20.63" x 12.5" | 3.5" | - | 50 |
| 52-3216 | 04.50 SQ DP PER TL TW Pot | BK | - | 4.21" | 4.93" | 1.03 qt. | 441 |
| 53-3015 | CTS4510SR Tray | BK | 10 | 21" x 8.5" | 3" | - | 50 |
| 53-3045 | CTS1545 Tray | BK | 15 | 21.25" x 13" | 2" | - | 50 |
| 52-4118 | 05.50 SQ JUM TL TW Pot | BK | - | 5.03" | 5.62" | 1.89 qt. | 288 |
| 53-3025 | CTS68 Tray | BK | 8 | 19.75" x 9.87" | 3.75" | - | 50 |
| 52-3219 | 05.50 SQ DP Wave Lock Pot | BK | - | 5.3" | 5.88" | 2.07 qt. | 240 |
| 53-3020 | CTS558 Tray | BK | 8 | 21.25" x 10.62" | 3.87" | - | 50 |

BK = Black CL = Clay CTS = Carry Tray Square DP = Deep GN = Green HWWT = Heavyweight JUM = Jumbo LTWT = Lightweight
M = Matte Finish MDWT = Medium weight PER = Perennial SQ = Square STD = Standard TL = Tag Locator TW = Thinwall TRAD = Traditional
P = Offset Printing Available

Vacuum Pots and Trays

- Vacuum Square Pots come in five sizes and seven packaging configurations
- Most Square Pots press-fit into matching trays
- Custom colors or co-extruded versions are available; call for details
- Smooth finish ideal for easy label adhesion



| Item | Description | Color | Outside Diameter | Height | Liquid Volume US | Qty/cs |
|---------|--|-------|------------------|--------|------------------|--------|
| 53-2010 | DSQVP3PF/D - Pot | BK | 2.62" | 3.5" | 9.47 fl oz. | 800 |
| 53-2013 | CTS332PF (Press Fit) - (32 pots per tray) - Tray | BK | 21.12" x 10.62" | 1.87" | - | 50 |
| 53-2012 | DSQVP325/D - Pot | BK | 3.25" | 3.62" | 1.00 pt. | 1,200 |
| 53-2009 | DSQVP325PF/D - Pot | BK | 3.25" | 3.62" | 1.00 pt. | 450 |
| 53-2008 | CTS32518PF (Press Fit) - (18 pots per tray) - Tray | BK | 19.87" x 9.87" | 1.87" | - | 50 |
| 53-2014 | DSQVP4PF/D - Pot | BK | 3.5" | 3.5" | 1.08 pt. | 450 |
| 53-2017 | CTS418PF (Press Fit) - (18 pots per tray) - Tray | BK | 21.25" x 10.63" | 2.38" | - | 50 |
| 53-2016 | DSQVP45PF - Pot | BK | 4.12" | 3.62" | 1.65 pt. | 375 |
| 53-2018 | DSQVP45PF/D - Pot | BK | 4.12" | 5" | 1.20 qt. | 375 |
| 53-3019 | CTS4510PF (Press Fit) - (10 pots per tray) - Tray | BK | 21.25" x 13" | 2" | - | 50 |
| 53-2021 | CTS4512PF (Press Fit) - (12 pots per tray) - Tray | BK | 16.75" x 12.5" | 2.37" | - | 50 |
| 53-2019 | CTS4515PF (Press Fit) - (15 pots per tray) - Tray | BK | 21.25" x 13" | 2" | - | 50 |

BK = Black CTS = Carry Tray Square DSQVP = Square Vacuum Pot D = Deep PF = Press Fit

Sheet of Pots

- Economic alternatives to single pots
- Available in a 10 cell Annual Sheet and 10 or 18 cell Perennial Sheets
- Perforated for easy pot separation at retail or uncut for landscape applications
- Match with Carrying Trays for easy handling

| Item | Description | Color | Outside Dimensions LxW | Height | Liquid Volume US | Qty/cs | Tray Compatibility |
|---------|--------------------|-------|------------------------|--------|------------------|--------|--|
| 53-4805 | TPS1801 Cut | BK | 20" x 10" | 3½" | 1.5 fl oz | 100 | TV1020P18, T Series Open Flats, TVT.P180, TRT184T0 |
| 53-6850 | DPS1801 Cut | BK | 21" x 10½" | 3½" | 14.52 fl oz | 100 | CTS418PF, D Series Open Flats, TCS18401 |
| 53-6851 | DPS1801 PROP SHEET | BK | 21" x 10½" | 3½" | 15.5 fl oz. | 100 | 18-Pocket Tray TKP1835, 18-Pocket Tray TKP1835 |
| 53-4820 | PS1501 Deep | BK | 20¾" x 12½" | 4¾" | 1.75 pt. | 50 | CTS4515, TCS15450 |

BK = Black CTS = Carry Tray Square D = Standard DP = Deep DSQVP = Square Vacuum Pot DPS = Standard Perennial Sheet
PF = Press Fit PS = Perennial Sheet STD = Standard SQ = Square T = True TL = Tag Locator TW = Thinwall

Landscape Flat

| Item | Description | Color | Length | Width | Height | Qty/cs |
|----------|----------------|-------|--------|-------|--------|--------|
| 51-24010 | 24 Pocket Flat | BK | 15" | 10" | 3.25" | 85 |



***Seasonal production item, please contact Customer Service for availability.**



Vacuum Inserts

- Designed to optimize performance in automated handling systems-ideal for filling, growing, and shipping
- Match with Injection or Vacuum Flats to create an efficient growing system
- Standard, True, Slim Jim (long and short), Super Thin, and Space Saver sizes
- Exact sheet thickness for strong corner and cell bottom construction
- Precision burned holes and die-cut trims deliver consistent performance
- Variety of configurations to fit automated equipment
- Consistent sheet thickness for strong corners and cell bottoms
- Precision die-cut for easy part separation

Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 10% |
| \$1,500.00 | 15% |
| \$2,500.00 | 20% |

Savings apply to all HC Companies products.

| Item | Description | Color | Outside Dimensions L x W | Height | Liquid Volume US | Qty/cs | Configuration |
|------------------|--|-------|-----------------------------|--------|---------------------|--------|---|
| Standard Inserts | | | | | | | |
| 39601 | D601 | BK | 21" x 10.5" | 2.25" | 1.12 qt. | 100 | Standard Inserts fit most Standard Injection & Vacuum Flats |
| 53-6435 | D606 | BK | 21" x 10.5" | 2.25" | 1.90 pt. | 100 | |
| 53-6440 | D801 | BK | 21" x 10.5" | 2.25" | 1.71 pt. | 100 | |
| 53-6545 | D804 | GN | 21" x 10.5" | 2.25" | 1.37 pt. | 100 | |
| 53-6445 | D804 | BK | 21" x 10.5" | 2.25" | 1.37 pt. | 100 | |
| 53-6452 | D806 | BK | 21" x 10.5" | 2.25" | 1.29 pt. | 100 | |
| 53-6450 | D806R | BK | 21" x 10.5" | 2.25" | 1.29 pt. | 100 | |
| 53-6550 | D806R | GN | 21" x 10.5" | 2.25" | 1.29 pt. | 100 | |
| 53-6490 | D1203 | BK | 21" x 10.5" | 2.25" | 13.80 fl. oz. | 100 | |
| 53-6495 | D1204 | BK | 21" x 10.5" | 2.25" | 11.83 fl. oz. | 100 | |
| 53-6400 | D1206 | BK | 21" x 10.5" | 2.25" | 11.8 fl. oz. | 100 | |
| 53-6500 | D1801 | BK | 21" x 10.5" | 2.25" | 9.81 fl. oz. | 100 | |
| 53-6555 | DJ606 | BK | 21" x 10.5" | 3.25" | 1.33 qt. | 100 | |
| 391004 | 1004 | BK | 21" x 10½" | 2.25" | 1.1 pt. | 100 | |
| True Inserts | | | | | | | |
| 53-4745 | T804 | BK | 20" x 10" | 2.5" | 1.31 pt. | 100 | True Inserts fit most True Injection & Vacuum Flats |
| 53-4750 | T806 | BK | 20" x 10" | 2.5" | 1.16 pt. | 100 | |
| 53-4752 | T806R | BK | 20" x 10" | 2.5" | 1.16 pt. | 100 | |
| 53-4780 | T1201 | BK | 20" x 10" | 2.5" | 1.06 pt. | 100 | |
| 53-4790 | T1203 | BK | 20" x 10" | 2.5" | 15.2 fl oz. | 100 | |
| 53-4795 | T1204 | BK | 20" x 10" | 2.5" | 13.5 fl oz. | 100 | |
| 53-4800 | T1206 | BK | 20" x 10" | 2.5" | 11.8 fl oz. | 100 | |
| 53-4930 | TJ606 (Jumbo) | BK | 20" x 10" | 3.25" | 1.19 qt. | 100 | |
| 53-8825 | T306BP(H) (True 6 Cell Single Basket Pack) | WH | 10" x 6.75" | 3.5" | 2.21 qt. | 300 | |
| 53-3239 | DPC Utility Handle 2 | WH | 16.25" | - | - | 1,000 | |
| Slim Jim Inserts | | | | | | | |
| 53-4945 | SJ606S (Jumbo) | BK | 20" x 8.5" | 3.13" | 1.86 pt. | 100 | SJ8520R6I, SJV Vacuum Flats |
| 53-4940 | SJ606L | BK | 21" x 8.5" | 3.13" | 1.99 pt. | 100 | |

Vacuum Flats

- Available in Standard, True (shallow and full depth), Slim Jim (short) and Skinny Minnie styles
- Flats are constructed from sturdy gauge material for durability
- Choose from a variety of rib configurations to fit any growing need



| Item | Description | Color | Outside Dimensions L x W | Height | Qty/cs | Compatibility |
|------------------------------|-------------|-------|--------------------------|--------|--------|-------------------|
| Vacuum Standard Flats | | | | | | |
| 53-4325* | DVF1020R | BK | 21" x 10.5" | 2.38" | 100 | D Series Inserts |
| True Flats | | | | | | |
| 53-8820 | TV1020R3 | BK | 20" x 10" | 2" | 100 | T306BP(H) x 3 (V) |

***Seasonal production item, please contact Customer Service for availability.**

2025

Injection Flats

- Flats provide outstanding strength and effective insert holding for automation efficiency
- Standard and True web flat models range from lightweight to extra heavy versions to support any requirement
- All injection Flats deliver increased flexibility and economy-constructed using quality, blended, recycled raw material with additives
- All products are stretch wrapped on a pallet for secure shipping



| Item | Description | Color | Outside Dimensions L x W | Height | Qty/cs | Compatibility |
|-----------------------|-----------------------------|-------|--|--------|--------|--|
| Standard Flats | | | | | | |
| 53-3325 | 1020 STD LTWT Flat | BK | 21.13" x 10.5" | 2.5" | 50 | D Series Inserts, 03.50 SQ TRAD, DPS1801 |
| 53-33251 | 1020 STD LTWT Flat (Pallet) | BK | 21.13" x 10.5" | 2.5" | 2700 | D Series Inserts, 03.50 SQ TRAD, DPS1801 |
| 73S1020ID | Daisy 1020 Web Flat | BK | 21" x 10.75" | 2.38" | 50 | Standard 1020 Inserts |
| 53-3330 | 1020 STD MDWT Flat | BK | 21.13" x 10.5" | 2.5" | 50 | D Series Inserts, 03.50 SQ TRAD, DPS1801 |
| 53-3335 | 1020 STD HWWT Flat | BK | 21.13" x 10.5" | 2.5" | 50 | D Series Inserts, 03.50 SQ TRAD, DPS1801 |
| 53-1310 | 1020 Trad No Hole Flat | BK | 21.5" x 11" | 2.5" | 100 | |
| True Flats | | | | | | |
| 53-4305 | 1020 True LTWT Flat | BK | 20" x 10" | 2.5" | 50 | T Series Inserts, 05.50 SQ JUM TL TW, M-6 SQ TW, TPS1801 |
| 53-4310 | 1020 True MDWT Flat | BK | 20" x 10" | 2.5" | 50 | T Series Inserts, 05.50 SQ JUM TL TW, M-6 SQ TW, TPS1801 |
| Slim Jim Flats | | | | | | |
| 53-4730 | SJ8520R6I SJ SH Flat | BK | 20" x 8 ³ / ₁₆ " | 2" | 50 | SJ606S, SJ1204JS, SJ224HP(H), SJ412QP, SJ412 |
| Utility Flats | | | | | | |
| 53-3240 | Sunnyside Flat | BK | 19.38" x 12" | 2.88" | 25 | 06.00 STD TW, 06.00 COLOR POT TL, 06.00 AZ JUM TW, 06.00 AZ TW |

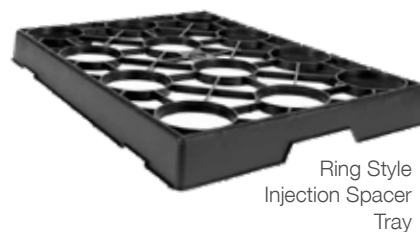
AZ = Azalea BK = Black GER = Geranium HWWT = Heavyweight IST = Injection Shuttle Tray JUM = Jumbo L = Staggered LG = Long LTWT = Lightweight MDWT = Medium weight PER = Perennial SH = Short SJ = Slim Jim SQ = Square STD = Standard T = True TRAD = Traditional TW = Thinwall WH = White



Injection Trays

Injection Spacer Trays (IST)

- Locks pots safely inside the tray
- Ideal for multiple transport, growing, and shipping applications
- Open design provides optimal air circulation which prevents algae bloom and stimulates plant growth
- Perfect for capillary mats, ebb and flood, or flooded floor watering systems
- Designed for superior durability and strength
- Made from high quality recycled material



Universal Injection Spacer Trays

- Self adjusting pot cavities allow for multiple sized containers to fit in the same tray
- Sturdy injection tray can be reused until ready to be recycled
- Features tag slots for easy identification at retail

Carryall Trays

- Flexible, durable, and open-perfect for all plant sizes
- 6.50 Carryall Tray features handles for ease of carrying in the greenhouse



| Item | Description | Color | Outside Dimensions L x W | Height | Qty/cs | Compatibility |
|------------------------|---------------------|-------|--------------------------|--------|--------|--|
| Injection Trays | | | | | | |
| 53-3286 | S-6CT Trade Gal | BK | 19" x 12.60" | 2.60" | 25 | XNS0T1G2, XRD16000, EU170S50, EU170T50, XRD16002, XNS0T1G3, XNT0T1G1, NSR001G0, NBB001G0, NRS0T1G0, TFR001G0, TFH001G0, TFT001G0, BM.03000, BMS03000 |
| 53-3265 | 4/12/8 IST Ring | BK | 19.5" x 14.25" | 2" | 25 | 04.00 AZ TW, 04.00 STD TW, 04.00 GER TRAD TW, XST04002, AZA04000 |
| 53-3210 | 4.5/12/8 IST Ring | BK | 21.62" x 16" | 2" | 25 | 04.50 GER TRAD TW, 04.50 GER TW, 04.50 GER TL TW, XGR04500, STD05000, STG04500 |
| Carryall Trays | | | | | | |
| 53-3255* | 04.50 Carryall Tray | BK | 17.25" x 13" | 3" | 25 | 04.50 SQ TRAD TW, 04.50 SQ TL TW, AZN06501 |
| 53-3277* | 06.50 Carryall Tray | BK | 19.13" x 12.63" | 3" | 25 | 06.50 AZ TW, 06.50 AZ TRAD TW, AZN06501 |

AZ = Azalea BK = Black GER = Geranium HWT = Heavyweight IST = Injection Shuttle Tray JUM = Jumbo L = Staggered LG = Long LTWT = Lightweight MDWT = Medium weight PER = Perennial SH = Short SJ = Slim Jim SQ = Square STD = Standard T = True TRAD = Traditional TW = Thinwall WH = White

***Seasonal production item, please contact Customer Service for availability.**

Vacuum Propagation Sheets

- Available in the most popular sizes to meet your growing needs
- Round and square cell configurations offer a premium rooting system for soft annuals, foliage, or woody ornamentals
- Strips can be separated to provide further space for growing
- Compatible sectioned Carry Tray is available for the DPS60 and DPS72 models



| Item | Description | Color | Outside Dimensions L x W | Height | Liquid US | Cell Diameter | Qty/cs | Configuration |
|----------|--------------------|-------|--------------------------|--------------------|-----------|--------------------|--------|---------------|
| 53-6810 | DPS24 (Round Cell) | BK | 20.75" x 10.31" | 2.38" | 3.66 qt. | 2 $\frac{3}{16}$ " | 100 | 3 x 8 |
| 53-6815 | DPS38 (Round Cell) | BK | 20.75" x 10.31" | 2.38" | 3.62 qt. | 2 $\frac{3}{16}$ " | 100 | |
| 53-6825 | DPS50 (Round Cell) | BK | 20.75" x 10.31" | 2.38" | 4.76 qt. | 1 $\frac{7}{8}$ " | 100 | 5 x 10 |
| 53-6840 | DPS72 (Round Cell) | BK | 20" x 10" | 2.75" | 3.53 qt. | 1 $\frac{7}{16}$ " | 100 | 6 x 12 |
| 53-6835* | DPS98 (Round Cell) | BK | 20.75" x 10.31" | 1 $\frac{9}{16}$ " | 2.88 qt. | 1 $\frac{5}{16}$ " | 100 | 7 x 14 |

BK = Black DPS = Propagation Sheet

Vacuum Formed Plug Trays

- Choose round, square or hex cells; Common Element, True, or Standard dimensions
- Ideal for seed germination or vegetative propagation
- Precision punched holes guarantee optimal drainage and air pruning performance



| Item | Description | Color | Outside Dimensions L x W | Height | Qty/cs | Configuration |
|---------|----------------|-------|--------------------------|--------|--------|---------------|
| 53-6628 | DVPT102HX VT | BK | 21" x 10.5" | 1.69" | 50 | 6 x 17 |
| 53-6630 | DVPT105HX E VT | BK | 20.75" x 10.25" | 1.75" | 50 | 7 x 15 |
| 53-6640 | DVPT288CE | BK | 20.5" x 10.25" | 1.06" | 50 | 12 x 24 |
| 53-6655 | DVPT512CE | BK | 20.5" x 10.25" | 0.87" | 50 | 16 x 32 |

BK= Black CE = Common Element DVPT = Standard Vacuum Plug Tray

E = Endless HX = Hexagon RD = Round Cell SQ = Square Cell

TVPT = True Vacuum Plug Tray VT = Ventilated

20 Row Seedling Flat

The ideal method of sowing seed. The separate rows of soil prevent the translocation of soil born disease organisms. The rows also conserve soil while helping to prevent overwatering. Twenty 10" x $\frac{7}{8}$ " x 1 $\frac{1}{4}$ " deep rows across flat for easy seeding.

| Item | Description | |
|---------|------------------|----|
| 54-2051 | 20 Row Seed tray | 50 |





Low Profile Tray

- Innovative design: Polypropylene tray with 30% less resin use and weight
- Labor saving: Pots pre-filled in trays eliminates manual pot placement
- Soil saving: Open frame design maximizes soil reclaim in pot filling
- Automation friendly: Clear sight line for tagging equipment with pre-oriented tag slots
- Brand optimized: Maximizes space and visibility to your brand message
- Labor friendly: Ergonomic handling and multiple grip points
- Warehouse stocked in black, co-extruded pots
- Customized branding and special order colors include black/black, terra cotta/black, white/black, and green/black



| Item | Description | Packed as | Availability |
|----------------|--|----------------------------|--------------------------|
| 53-LPT104004S | Dillen CX Low Profile 10CT Tray w/4" Pots Short | 48/Case (480 Pots) | Whse Stocked, Drop Ship |
| 53-LPT104004SB | Dillen XST04002 CX Low Profile 10CT Tray w/4" Pots Short | 2,200/Pallet (22,000 Pots) | Special Order, Drop Ship |
| 53-LPT104004L | Dillen XST04002 CX Low Profile 10CT Tray w/4" Pots Long | 48/Case (480 Pots) | Special Order, Drop Ship |
| 53-LPT104004LB | Dillen XST04002 CX Low Profile 10CT Tray w/4" Pots Long | 2,200/Pallet (22,000 Pots) | Special Order, Drop Ship |

Options listed above ship with 4" standard, round pots preloaded in the trays (XST04002; 4" diameter, 4" height, 1 pt vol). Low-Profile Trays are also available with 4" azalea pots (XAZ04000; 4" dia, 3" height, 12.88 fl oz vol).



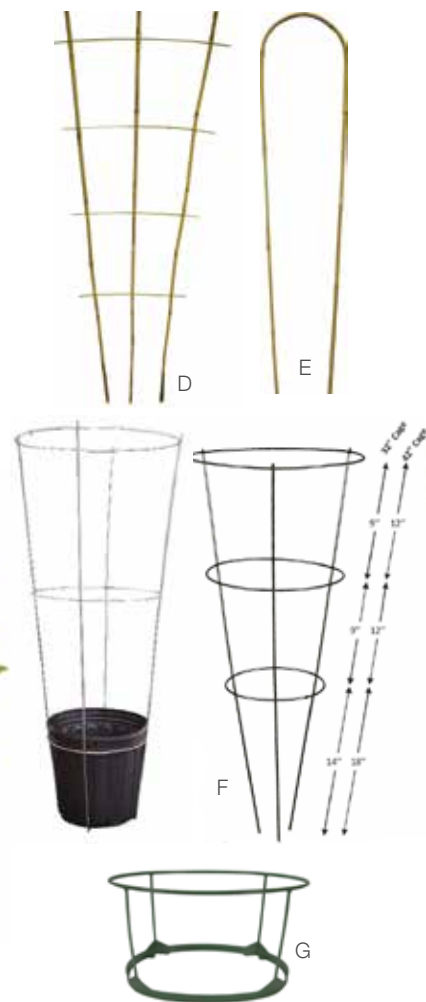
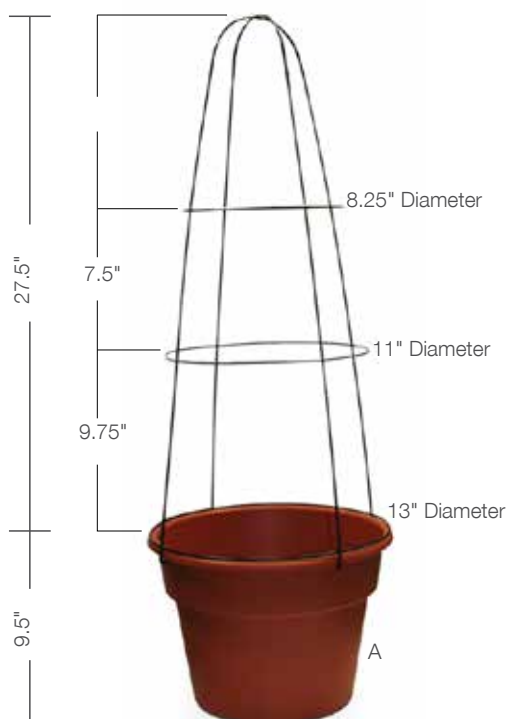
Nursery Pots and Trays

- Tag Locator slots are molded into the rim of the T1G size to display marketing tags
- Six color offset printing available
- High-gloss finish on all pots allows easy cleaning and label application
- Large drain holes prevent waterlogging; side or bottom drainage option for many sizes



| Item | Description | Color | Outside Dimensions | Height | Liquid Volume US | Qty/cs | Compatibility |
|-----------|--------------------------------------|-------|--------------------|--------|------------------|--------|---|
| 52-4224 P | 01.00 Q Perennial Pot TL TW | GN | 4.75" | 4.75" | 1.00 qt. | 475 | CTQ12, CTQ8R, TCR121Q0, TCR018Q4 |
| 52-4223 P | 01.00 Q Perennial Pot TL TW | BK | 4.75" | 4.75" | 1.00 qt. | 475 | CTQ12, CTQ8R, TCR121Q0, TCR018Q4 |
| 53-4110 | CTQ12 12/QT Carry Tray | BK | 14.75" x 19.5" | 4.75" | - | 50 | 01.00 Q Perennial Pot TL TW, NRT001Q1 |
| 52-4115 P | 01.00 T1 G TL TW Pot | BK | 6.5" | 7" | 2.88 qt. | 128 | FPGA16, DWT1GA3, 1G/6/10 IST, CTGA16, trellis, TCR06TG0, TCF06SG0, TCW03TG0, TCW03TG1 |
| 53-4115 | FPGA16 TRAY | BK | 13.00" x 20.00" | 2.5" | - | 50 | XNS0T1G3, NRT0T1G3, XNT0T1G1 |
| 53-3245 | 12.0 X 16.0 Nursery Flat - Open Tray | BK | 16.31" x 12.38" | 3" | - | 50 | 01.00 T1 G TL TW, XNS0T1G3, NRT0T1G3, XNT0T1G1 |

Plant Support & Cages



Climbing Plant Support Cage (A)

Container sold separately. Fits the HC Companies 12" Color Pot and the 12" Panterra Pot. Items: 49-3646, 49-3546, 53-3648, 53-3848, 39PAD12PC. Welded, Green coated wire, hook under lip.

| Item | Height | Qty |
|---------|--------|-----|
| 51-3202 | 27.5" | 48 |



1 Gallon Trellis (B)

| Item | Dimensions | Height | Qty | Compatible Pots |
|----------|------------|--------|-----|-----------------|
| 51-41151 | 5.13" | 17" | 128 | 01.00 T1G TL TW |



Support Rings (C)

- The HC Companies rings give support for top heavy foliage plants
- Support Rings snap onto the rim of the pot providing a secure hold
- Long inside leg for fast assembly
- Standard Color: Green

| Item | Outside Dia. | Height | Qty/cs | Compatible Pots |
|----------|--------------|--------|--------|--|
| 51-2606* | 6" | 3.75" | 720 | 5, 5.5, 6, AZE06000, AZE06500 |
| 51-2607* | 7" | 4.37" | 720 | 5.5, 6, 6.5, 7, AZE07000 |
| 51-2608 | 8" | 5" | 840 | 6, 6.5, 7, 7.5, 8, AZE08000 |
| 51-2610 | 10" | 5.31" | 320 | 7, 7.5, 8, 8.5, 9, 10, AZE10001 |
| 51-2611* | 11.5" | 6.00" | 400 | 11, 11.5, 12, PA1000, STS10000, HGP10000 |



Bamboo Fan Trellis (D)

| Item | Dimensions | Qty |
|----------|------------|-----|
| 133-0089 | 18" | 50 |
| 133-0012 | 24" | 50 |
| 133-0090 | 30" | 50 |
| 133-0091 | 36" | 50 |
| 133-0092 | 48" | 50 |

Bamboo U Trellis (E)

| Item | Dimensions | Qty |
|----------|------------|-----|
| 133-0085 | 18" | 100 |
| 133-0086 | 24" | 100 |
| 133-0087 | 30" | 100 |
| 133-0088 | 36" | 100 |
| 133-0152 | 48" | 100 |

Tomato Cages (F)



Top quality tomato cages made from galvanized steel. Rust-proof with long-lasting welds.

| Item | Description | Diameter | Qty/cs |
|---------|--------------------------------------|----------|--------|
| 51-3210 | 32" Tomato Cage | 13" | 25 |
| 51-4210 | 42" Tomato Cage | 14" | 25 |
| 51-3212 | 32" Balcony Tomato Cage for 1200 pot | 14" | 25 |
| 51-3216 | 32" Balcony Tomato Cage for 1600 pot | 16" | 25 |

Point Cage (G)



| Item | Description | Height | Qty |
|----------|----------------------------|--------|-----|
| 51-4537 | 08.00 Point Cage 2 - Green | 5.00 | 100 |
| 51-45381 | 10.00 Point Cage - Green | 6.00 | 60 |

Custom Container Printing

In four steps, our professional graphic design team will help transform your ideas into unique containers, labels, or printing to package your plants, help grow your sales, and build customer loyalty.

1. Consultation: Our graphic design team works with you to learn about your plants and merchandising needs.

2. Design: We match your needs with our creative expertise to craft logos, copy, illustrations and photography into colorful designs that reflect the "uniqueness" of your brand and plants.

3. Design Reviews: Provide quick feedback and choose your design via electronic e-proof reviews.

4. Digital Production: After your artwork is assembled, you will receive an e-proof and/or hard copy for final approval prior to production.

Adhesive Labeling -

Colorful, cost-effective, and durable

- From simple 1" x 1" black on white labels to larger sizes in multiple colors
- Feature photos, bar codes, care instructions, and more on smudge, chemical, and water-resistant labels
- Perfect solution for "Weights and Measures" compliance

Offset Printing -

Unique designs and vibrant printing

- Up to 8 bright colors can be wrapped around many sizes of round pots for high impact at retail.
- Up to 4 bright colors can be printed on all four sides of square pots.
- Perfect for custom illustrations, bar codes, text, logos and planting and care instructions.
- Available for many round Thinwall Pots and Nursery Containers.
- Oriented Printing Available

Call Griffin for more information on HC Companies branding products



| Process | Container Sizes | Colors | Min Order* | Lead Time** |
|-----------------|--|------------|---------------------|-------------|
| Adhesive Labels | Most Containers | 1-6 Colors | 5,000 | 4 weeks |
| Offset Printing | Specific Rounds: 03.50 Standard to 9 x 6.25 | 1-8 Colors | 50,000 [†] | 6-8 weeks |
| Offset Printing | Square Pots | 1-4 Colors | | |

* **Minimum order based on stocked color** ** Lead time starts from your final approval of digital artwork. Lead time may be longer during peak season: November through March. [†] Speak to your Griffin Sales Representative for lower minimum in non-peak season.



Branded Containers

The perfect way to complete your blooms for Sunfinity and SunPatiens with branded containers and tags from Creo Group – Greenhouse Products.

| Item | Description | Qty/cs |
|--------------------|--|--------|
| Sunfinity | | |
| 50-5750 | Sunfinity Printed 16cmT – 2.5 Qt Pots | 385 |
| 50-5751 | Sunfinity Printed 22cmT – 1.5 Gal Pots | 150 |
| 97-350751 | Mastertag Sunfinity Sunflower Tag MT#2245272 | 25 |
| Sun Patiens | | |
| 50-5741 | SunPatiens 12cmT (4.5") Printed Pot | 1,425 |
| 50-5748 | SunPatiens 15cmT (6") Printed Pot | 600 |



Round Pot

The Environmentally Responsible Round Pot by T.O. Plastics is made from 95% recycled material. Sizes include pint, quart, and trade gallon. The pint and gallon round pots are compatible with existing carry trays and two new carry trays are available in 8 and 12-count for the quart round pot.



| Item | Vendor | Description | Depth | Top Outside Dimensions | Max Dry Volume | Max Liquid Volume | Qty/cs |
|---------|---------|--------------------|-------|------------------------|----------------|-------------------|--------|
| 59-6031 | 750400C | RPT-425-GV-8 (Pot) | 3.84" | 4.33" | 33.70 cu. in. | 1.17 (pt) | 750 |
| 59-6034 | 750552C | RP-490-BK (Pot) | 4.90" | 4.90" | 57.86 cu. in. | 1.00 (qt) | 600 |
| 59-6037 | 750652C | RP-650-BK (Pot) | 6.50" | 6.50" | 146.15 cu. in. | 2.53 (qt) | 300 |

Round Pot Carry Trays

- The best and most versatile trays in the industry
- Fits the majority of size-appropriate pots from a variety of manufacturers
- Rounded corners reduce end wall and corner splitting
- Streamlined design allows for pot-to-pot set up wasting no bench or rack space
- Sloping sides to shed excess soil
- Stocked in a variety of sizes



| Item | Vendor | Description | Pot Compatibility | Qty/cs |
|---------|---------|---|---|--------|
| 59-9000 | 755810C | 15-count Carry Tray for 400 Germanium Pot | HC Companies 04.00 Ger TW, EJ SP-400, LM4RMGT, Poppelmann VCC10, HC Companies 4" STD Injected Pot, HC Companies 4" STD Thermo Pot | 50 |
| 59-9020 | 755838C | 15-count Carry Tray for 450 Germanium Pot | HC Companies 04.50 TW, HC Companies PW, HC Companies STT0450, EJ SP 450 | 50 |
| 59-9050 | 755835C | 12-count Carry Tray for 450 Germanium Pot | HC Companies 04.50 TW, HC Companies PW, HC Companies STT0450, EJ SP 450 | 50 |
| 59-9010 | 755830C | 10-count Carry Tray for 450 Germanium Pot | HC Companies 04.50 TW, HC Companies PW, HC Companies STT0450, EJ SP 450 | 75 |
| 59-9030 | 755850C | 6-count Carry Tray for 600 Azalea Pot | HC Companies 06.00 JUMBO, HC Companies 06.00 TW, EJ SP-600, LM X-6RMGT, Poppelmann VCB 15, HC Companies 6" Elite AZE 0600, HC Companies Euro EU 150 S70 | 50 |
| 59-7046 | 755875C | 6-count Carry Tray for Nursery Pot | HC Companies Injection NC.0100, HC Companies Euro E170165 Janor Pot C17CM H, HC Companies 2.5 Qt/2.4L, HC Companies XRD 16000 (16 CM RD Coex Pot), Nursery Supplies PF310S, Nursery Supplies Classic 300s, Landmark X-65NTGT, Summit-Janor Pot 16CM T | 25 |
| 59-7047 | 755819C | 8-count Carry Tray for 425 Germanium Pot | Landmark 750400C, Landmark 750552C | 50 |
| 59-7048 | 755815C | 10-count Carry Tray for 425 Germanium Pot | Landmark 750400C | 50 |
| 59-7049 | 755818C | 12-count Carry Tray for 425 Germanium Pot | Landmark 750400C | 50 |
| 59-7051 | 755823C | 15-count Carry Tray for 425 Germanium Pot | Landmark 750400C | 50 |
| 59-7053 | 755550C | 8-count Carry Tray for Quart Pots | Landmark 750552C | 50 |
| 59-7054 | 755560C | 12-count Carry Tray for Quart Pots | Landmark 750552C | 50 |



T.O. PLASTICS
HORTICULTURE

Propagation Sheets

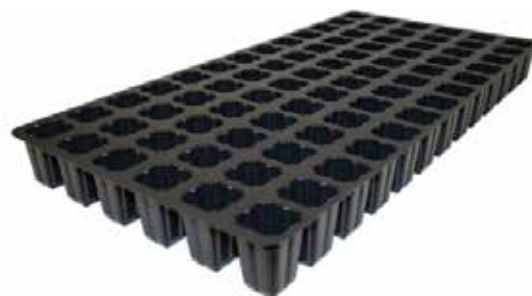
Prop Sheets are ideal for agricultural and horticultural production and are available in a wide variety of sizes and configurations. The Prop Sheets listed below have burned drainage holes and de-nest with ease. Recommended to be paired with standard 1020 flats, excluding 24-Prop.



| Item | Vendor | Description | Top Dimensions | Depth | Qty/cs |
|---------|---------|----------------------------|----------------|-------|--------|
| 59-5140 | 725600C | 24 Square Deep Prop Sheets | 2.37" x 3.25" | 4.50" | 50 |
| 59-5000 | 725601C | 38 Round Prop-Sheets | 2.25" | 2.31" | 100 |
| 59-5005 | 725602C | 50 Round Prop-Sheets | 1.93" | 2.31" | 100 |
| 59-5010 | 725607C | 72 Round Prop-Sheets | 1.46" | 2.31" | 100 |
| 59-5011 | 725611C | 72 Square Prop-Sheets | 1.64" | 2.35" | 100 |
| 59-5015 | 725610C | 98 Round Prop-Sheets | 1.34" | 1.50" | 100 |

Open Bottom Propagation Sheets

| Item | Vendor | Description | Depth | Qty/cs |
|---------|---------|-----------------------------------|-------|--------|
| 59-5012 | 725622C | 78 Square Prop-Sheet | 1.74" | 50 |
| 59-5013 | 725623C | 78 (3x26) Strip Square Prop-Sheet | 1.74" | 50 |
| 59-5014 | 725624C | 78 (6x13) Strip Square Prop-Sheet | 1.74" | 50 |



PLUG INTO QUALITY

Griffin delivers premium plugs from reputable producers nationwide. Our assortment includes market-leading varieties in the most popular product forms to meet your needs and preferences. Call your Griffin sales representative today to build your best program!

Plug Trays

Feature die-cut holes, square corners and formed edges.

- Maximum cell sizes for optimum soil capacity
- Cell wall "root ribs" to promote downward root growth
- Precisely centered, punched drain holes
- Larger label ramps to meet grower requirements

See the next page for a listing of Plug Trays from TO Plastics.



Plug Trays for Automatic Seeders | Compatible with all automatic seeders. Measure 11"x 21.25" outside diameter.

| Item | Vendor | Description | Footprint | Depth | Vent Hole | Qty/CS |
|----------|---------|----------------------------|-----------|-------|-----------|--------|
| 59-5025 | 720463C | 50 Plug Tray | 5 x 10 | 2.37" | 0.25" | 100 |
| 59-5030 | 720469C | 72 Plug Tray | 6 x 12 | 2.25" | 0.25" | 100 |
| 59-5035 | 720477C | 98 Plug Tray | 7 x 14 | 2.00" | 0.25" | 100 |
| 59-50401 | 720494C | 128 Plug Tray | 8 x 16 | 2.00" | 0.18" | 50 |
| 59-50451 | 720498C | 162 Plug Tray | 9 x 18 | 1.75" | N/A | 50 |
| 59-50501 | 720507C | 200 Plug Tray | 10 x 20 | 1.50" | N/A | 50 |
| 59-5065 | 720512C | 200 Plug Tray - Deep | 10 x 20 | 1.75" | N/A | 50 |
| 59-50701 | 720520C | 200 Plug Tray - Extra Deep | 10 x 20 | 2.12" | N/A | 50 |
| 59-50551 | 720528C | 288 Plug Tray | 12 x 24 | 1.25" | N/A | 50 |
| 59-50751 | 720532C | 288 Plug Tray - Deep | 12 x 24 | 1.50" | N/A | 50 |
| 59-50601 | 720536C | 392 Plug Tray | 14 x 28 | 1.15" | 0.15" | 50 |
| 59-5063 | 720539C | 406 Plug Tray | 14 x 29 | 1.15" | N/A | 50 |
| 59-5081 | 720544C | 512 CE Plug Tray | 16 x 32 | 0.94" | 0.16" | 50 |

Star and Hexagon Plug Trays

Plug Trays feature die-cut holes, square corners, deeper cells and formed edges. Regular weights are stocked at all our locations.

| Item | Vendor | Description | Footprint | Plug Dim. | Depth | Qty/CS |
|-----------|---------|------------------------|----------------|-----------|-------|--------|
| 59-5143 | 720549C | 21 Star Deep Plug Tray | 3 x 7 | 2.72" | 4.00" | 50 |
| 59-5232 | 720556C | 32 Star Deep Plug Tray | 4 x 8 | 2.22" | 4.00" | 50 |
| 59-5150 | 720557C | 36 Star Plug Tray | 4 x 9 | 2.12" | 3.00" | 50 |
| 59-51451 | 720562C | 38 Star Deep Plug Tray | 3 x 8, 2 x 7 | 2.13" | 5.00" | 25 |
| 59-720566 | 720598C | 50 Star Plug Tray | 5 x 10 | 1.77" | 2.35" | 50 |
| 59-5086 | 720568C | 50 Star Deep Plug Tray | 5 x 10 | 1.94" | 4.50" | 50 |
| 59-5085 | 720573C | 58 Star Plug Tray | 3 x 12, 2 x 11 | 1.53" | 2.38" | 100 |
| 59-50871 | 720597C | 72 Star Plug Tray | 6 x 12 | 1.56" | 2.25" | 50 |
| 59-5091 | 720582C | 72 Star Deep Plug Tray | 6 x 12 | 1.56" | 3.00" | 50 |
| 59-5090 | 720589C | 105 Hex Plug Tray | 7 x 15 | 1.24" | 1.50" | 100 |
| 59-50921 | 720594C | 144 Hex Plug Tray | 8 x 18 | 1.47" | 1.06" | 100 |

SureRoots® Plug Trays

| Item | Vendor | Description | Footprint | Plug Dim. | Depth | Qty/CS |
|-------------------------|---------|---------------------------------------|-----------|-----------|-------|--------|
| 59-720700 | 720700C | SureRoots 50 Deep Plug Tray | 5 x 10 | 2.00" | 5.00" | 25 |
| 59-720720 | 720720C | SureRoots 15 Plug Tray | 3 x 5 | 3.55" | 4.59" | 25 |
| 59-720715 | 720715C | SureRoots 15 HW Plug Tray | 3 x 5 | 3.55" | 4.59" | 25 |
| 59-720716 | 720723C | SureRoots 15 Pop Bottom Plug Tray | 3 x 5 | 3.55" | 4.38" | 25 |
| SureRoots® Elite | | | | | | |
| 59-720750 | 720750C | SureRoots Elite 50 Plug Tray - 40mm | 5 x 10 | 1.94" | 1.75" | 50 |
| 59-720753 | 720753C | SureRoots Elite 50 Plug Tray - 35mm | 5 x 10 | 1.74" | 1.75" | 50 |
| 59-720765 | 720765C | SureRoots Elite 72 Plug Tray | 6 x 12 | 1.65" | 1.58" | 50 |
| 59-720770 | 720770C | SureRoots Elite 102 Plug Tray - Cut | 6 x 17 | 1.19" | 1.62" | 50 |
| 59-720778 | 720778C | SureRoots Elite 102 Plug Tray - Uncut | 6 x 17 | 1.19" | 1.62" | 50 |



T.O. PLASTICS
HORTICULTURE



Standard 1020 Flats & Inserts

- Serrated between packs for easy separation
- Clean edges for easy handling
- Silicone coated for easy removal and flat filling
- Water flow dispersed evenly between cells
- All standard cell packs are 2.25" deep

| Item | Vendor | Description | Qty/cs |
|--|---------|---------------------------------|--------|
| Standard 1020 Flats - 10.94" x 21.44" | | | |
| 59-3170 | 710245C | 1020 Open Flat | 100 |
| 59-3175 | 710251C | 1020 Open Flat - No Holes | 100 |
| 59-3195 | 710254C | 1020 Open 3X HW Flat - No Holes | 50 |
| Standard 1020 Flats - 10.75" x 21.26" | | | |
| 59-3179 | 790900C | 1020 Open LW Web Flat | 50 |
| Standard 1020 Inserts - 10.56" x 21.06" | | | |
| 59-3005 | 715347C | 601 Insert | 100 |
| 59-3010 | 715348C | 606 Insert | 100 |
| 59-3020 | 715352C | 801 Insert | 100 |
| 59-3025 | 715353C | 804 Insert | 100 |
| 59-3030 | 715357C | 806 Insert | 100 |
| 59-3035 | 715362C | 809 Insert | 100 |
| 59-3040 | 715364C | 812 Insert | 100 |
| 59-3045 | 715366C | 1001 Insert | 100 |
| 59-3048 | 715367C | 1004 Insert | 100 |
| 59-3050 | 715369C | 1006 Insert | 100 |
| 59-3055 | 715371C | 1201 Insert | 100 |
| 59-3060 | 715373C | 1202 Insert | 100 |
| 59-3065 | 715374C | 1203 Insert | 100 |
| 59-3070 | 715377C | 1204 Insert | 100 |
| 59-3075 | 715382C | 1206 Insert | 100 |
| 59-3080 | 715385C | 1801 Insert | 100 |
| 59-3085 | 715387C | 1802 Insert | 100 |
| 59-3090 | 715389C | 1803 Tri-Pack Insert | 100 |
| 59-3105 | 715399C | 2401 Insert | 100 |
| 59-3110 | 715401C | 3601 Insert | 100 |
| 59-3130 | 715405C | 606 Deep Insert (Jumbo 606) | 100 |
| 59-3132 | 715408C | 806 Deep Insert | 100 |

Connecticut Flats & Inserts



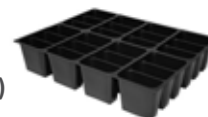
11.25"W x 15.00"H x 2.75"D

| Item | Vendor | Description | Qty/cs |
|---------|---------|---------------------------|--------|
| 59-8010 | 771601C | CT803 Insert | 100 |
| 59-8020 | 771611C | CT804 Insert | 100 |
| 59-8030 | 771621C | CT806 Insert - Low Center | 100 |
| 59-8031 | 771623C | CT806 Insert | 100 |

11.25"W x 15.00"H x 3.04"D

| Item | Vendor | Description | Qty/cs |
|---------|---------|-------------|--------|
| 59-8001 | 771501C | CT R8 Flat | 100 |

New Jersey Flats & Inserts



10.50"W x 13.50"H x 2.94"D (Insert - 2.75"D)

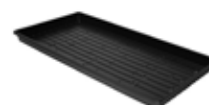
| Item | Vendor | Description | Qty/cs |
|-----------|---------|--------------|--------|
| 59-8040 | 771520C | NJ Flat | 100 |
| 59-771522 | 771522C | NJ R8 Flat | 100 |
| 59-8050 | 771638C | NJ803 Insert | 100 |
| 59-8060 | 771640C | NJ804 Insert | 100 |

1020 Clear Domes



| Item | Vendor | Description | Dimensions | Qty/cs |
|---------|---------|----------------|-------------------------|--------|
| 59-5135 | 760549C | 1020 Dome | 11.00" x 21.50" x 2.10" | 50 |
| 59-5136 | 760525C | 1020 Tall Dome | 11.02" x 21.52" x 7.04" | 25 |

Germination Tray



| Item | Vendor | Description / | Dimensions | Qty/cs |
|---------|---------|-----------------------------|-------------------------|--------|
| 59-3330 | 745730C | Germination Tray | 10.81" x 21.25" x 1.29" | 100 |
| 59-3331 | 745731C | Germination Tray - No Holes | 10.81" x 21.25" x 1.29" | 100 |



T.O. PLASTICS
HORTICULTURE

2025

Square Pots

| Item | Vendor | Description | Depth | Top Outside Dimensions | Max Dry Volume | Max Liquid Volume | Qty/cs |
|----------|-------------|--|-------|------------------------|----------------|-------------------|--------|
| 59-2011 | 700003C | 2.5 Sq. Deep Pot | 3.44" | 2.60" | 14.46 cu. in. | 7.84 fl. oz. | 800 |
| 59-20201 | 700014C | 3.25 Sq. Deep Pot | 3.50" | 3.31" | 28.56 cu. in. | 1.00 pt. | 450 |
| 59-2031 | 700026C | 3.5 Sq. Deep Pot | 3.50" | 3.52" | 31.43 cu. in. | 1.08 pt. | 450 |
| 59-2022 | 700112C | 3.25 Sq. Deep Pot - Tag Slot | 4.00" | 3.31" | 28.09 cu. in. | 0.97 pt. | 600 |
| 59-2050 | 700035C | 3.5 Sq. Nursery Pot | 5.00" | 3.52" | 42.45 cu. in. | 1.50 pt. | 450 |
| 59-2165 | 700070C | 4.0 Sq. Pot | 3.11" | 3.66" | 32.83 cu. in. | 1.13 pt. | 500 |
| 59-21801 | 700087C | 4.5 Sq. Pot | 3.62" | 4.20" | 49.73 cu. in. | 1.72 pt. | 375 |
| 59-9075 | 700042C | 4.5 Sq. Deep Pot | 4.91" | 4.20" | 65.42 cu. in. | 1.13 qt. | 300 |
| 59-21301 | 700051C-HTP | 4.5 Sq. Deep Pot - Heat Treated Pallet | 4.91" | 4.20" | 65.42 cu. in. | 1.13 qt. | 375 |
| 59-20203 | 700162C | 4.5 Sq. Deep Pot - Tag Slot | 5.19" | 4.20" | 58.27 cu. in. | 1.00 qt. | 500 |
| 59-20401 | 700099C | 5.5 Sq. Deep Pot | 6.00" | 5.36" | 116.56 cu. in. | 2.06 qt. | 200 |

Square Pot Carry Trays

| Item | Vendor | Description | Width | Length | Depth | Qty/cs |
|----------|-------------|---|--------|--------|-------|--------|
| 59-4100 | 705104C | 32-count Carry Tray for 2.5 Pot | 10.75" | 21.19" | 2.50" | 50 |
| 59-40251 | 705119C | 18-count Carry Tray for 3.25 Pot | 10.00" | 20.00" | 1.88" | 50 |
| 59-4110 | 705215C | 12-count Carry Tray for 3.25 Pot - Tag Slot | 6.75" | 20.00" | 3.63" | 50 |
| 59-4140 | 705129C | 18-count Carry Tray for 3.5 Pot | 10.81" | 21.25" | 1.93" | 50 |
| 59-4036 | 705137C | 18-count Carry Tray for 3.5 Nursery Pot | 10.81" | 21.25" | 3.50" | 50 |
| 59-4055 | 705142C | 15-count Carry Tray for 4.0 Pot | 11.25" | 18.75" | 1.94" | 50 |
| 59-4160 | 705151C | 10-count Carry Tray for 4.5 Pot | 8.75" | 21.19" | 2.13" | 50 |
| 59-4070 | 705155C | 12-count Carry Tray for 4.5 Pot | 12.88" | 17.00" | 2.13" | 50 |
| 59-4075 | 705165C-HTP | 15-count Carry Tray for 4.5 Pot | 12.88" | 21.19" | 2.13" | 50 |
| 59-4076 | 705200C | 10-count Carry Tray for 4.5 Pot - Tag Slot | 8.40" | 21.00" | 4.66" | 50 |
| 59-4090 | 705193C | 8-count Carry Tray for 5.5 Pot | 10.94" | 21.44" | 3.03" | 25 |
| 59-4080 | 705190C | 15-count Irrigation Tray for 4.5 Pot (<i>non-stock</i>) | 12.88" | 21.19" | 2.13" | 50 |



Sheet Pots

| Item | Vendor | Description | Tray Dimensions | | Cell Dimensions | | Volume Per Cell Max Dry | Volume Per Cell Max Liquid | Trays/cs |
|------------------------|---------|-------------------------------|-----------------|--------|-----------------|-------|-------------------------|----------------------------|----------|
| | | | Width | Length | Depth | Top | | | |
| 59-3150 | 730640C | 15 Pots per Sheet | 12.53" | 20.88" | 3.88" | 3.89" | 51.08 cu. in. | 837.00 ml. | 50 |
| 59-3145 | 730645C | 18 Pots per Sheet | 10.56" | 21.06" | 3.14" | 3.25" | 26.06 cu. in. | 1.69 pt. | 100 |
| Deep Sheet Pots | | | | | | | | | |
| 59-3152 | 730643C | 15 Pots per Sheet | 12.53" | 20.88" | 4.85" | 3.89" | 63.73 cu. in. | 1.10 qt. | 50 |
| 59-3135 | 730649C | 18 Pots per Sheet | 10.56" | 21.06" | 3.55" | 3.38" | 27.83 cu. in. | 15.43 fl. oz. | 50 |
| 59-3140 | 730654C | 32 Pots per Sheet | 10.56" | 21.06" | 3.00" | 2.59" | 11.59 cu. in. | 6.42 fl. oz. | 100 |
| Landscaper Tray | | | | | | | | | |
| 59-6020 | 740702C | 18-count Landscape Carry Tray | 10.82" | 21.25" | 3.50" | | 28.45 cu. in. | 15.76 fl. oz. | 50 |

Liner Trays

| Item | Vendor | Description | Tray Dimensions | | Cell Dimensions | | Volume Per Cell Max Dry | Volume Per Cell Max Liquid | Qty/cs |
|---------|---------|---------------------------|-----------------|--------|-----------------|--------------|-------------------------|----------------------------|--------|
| | | | Width | Length | Depth | Top | | | |
| 59-3160 | 735676C | 18-count Liner Tray -Deep | 10.56" | 21.06" | 3.55" | 3.38" | 27.83 (cu. in.) | 15.43 (fl oz) | 50 |
| 59-3158 | 735680C | 24-count Liner Tray | 10.56" | 21.06" | 3.00" | 3.10 x 2.25" | 8.43 (cu. in.) | 15.43 (fl oz) | 100 |
| 59-3155 | 735683C | 32-count Liner Tray | 10.56" | 21.06" | 3.00" | 2.59" | 11.59 (cu. in.) | 6.42 (fl oz) | 100 |

306 Carry Pack

White only. Fits in standard 1020 tray. Pack of six 3.5" pots, three packs per sheet. Carry handles sold separately.

| Item | Vendor | Description | Qty/cs |
|---------|---------|---------------------------------|--------|
| 59-5110 | 760746C | Standard 306 Market Pack (A) | 50 |
| 59-5123 | 795979C | Slim Handles - 0.75"x17.88" (B) | 100 |



Plant Pie Containers

- More profitable than flats and are easy to grow - the shallow dish is ideal for a thorough / healthy root system
- The dish makes for easier handling, transporting and shipping
- Plant Pies have multiple uses as they can be used in containers, hanging baskets and bedding
- Excellent shelf life and can be sold at different stages
- They save on soil and space
- Great for succulent gardens, combo planters, fairy gardens, and decorative container drop in!

| Item | Vendor | Description | Qty/cs |
|----------|---------|---------------------------------------|--------|
| 59-90605 | 790967C | 8" Plant Pie - 7.79" x 3.04" | 50 |
| 59-90705 | 790968C | 11" Plant Pie - 11.04" x 3.03" | 50 |
| 59-9065 | 790980C | Muffin Tray - 10.94" x 21.44" x 3.04" | 50 |



Savings

| Purchase | Save |
|------------|------|
| \$750.00 | 10% |
| \$1,500.00 | 15% |
| \$2,500.00 | 20% |

Savings apply to all T.O. Plastics products.



12" & 14" Saucerless Hanging Baskets (A)

Includes: Wire hanger and inside Saucer.

| Item | Desc. | Color | Dimensions | Vol. | Qty/cs |
|-------------|--|-------------|-------------|-----------|--------|
| 50-012403 | 12" Saucerless Basket Wire Hanger | Green | 11.75" x 7" | 2.28 gal. | 25 |
| 51-9240 | 12" Saucerless Basket Flex Wire Hanger | Green | 11.75" x 7" | 2.28 gal. | 25 |
| 51-9239 | 14" Saucerless Basket Flex Wire Hanger | Green | 14" x 8.25" | 3.96 gal. | 25 |
| 51-9339 | 14" Saucerless Basket Flex Wire Hanger | White | 14" x 8.25" | 3.96 gal. | 25 |
| 51-9349 | 14" Saucerless Basket Flex Wire Hanger | Black | 14" x 8.25" | 3.96 gal. | 25 |
| 41B14H-BTSL | 14" Saucerless Basket Wire Hanger | Terra-cotta | 14" x 8.25" | 3.96 gal. | 25 |

16" Saucerless Hanging Baskets (B)

Includes: Wire hanger and inside Saucer. With a Weekend - Water Management Reservoir. 1 Gallon Water Reservoir.

| Item | Description | Color | Dimensions | Vol. | Qty/cs |
|-----------|--|-------------|-------------|--------|--------|
| 50-012405 | 16" Saucerless Basket Flex Wire Hanger | Green | 16" x 9.75" | 5 gal. | 15 |
| 50-012406 | 16" Saucerless Basket Flex Wire Hanger | White | 16" x 9.75" | 5 gal. | 15 |
| 50-012407 | 16" Saucerless Basket Flex Wire Hanger | Black | 16" x 9.75" | 5 gal. | 15 |
| 50-012408 | MTO 16" Saucerless Basket Flex Wire Hanger | Terra-cotta | 16" x 9.75" | 5 gal. | 15 |

Pop Basket (C)

| Item | Desc. | Color | Dimensions | Vol. | Qty/cs |
|---------|---------------------------------|-------|-------------|-----------|--------|
| 51-9424 | 10" POP Basket - Plastic Hanger | Green | 10" x 16.5" | 1.53 gal. | 50 |
| 51-9324 | 10" POP Basket - Metal Hanger | Green | 10" x 16.5" | 1.53 gal. | 50 |

Contemporary Hanging Basket w/Saucer

| Item | Desc. | Color | Dimensions | Vol. | Qty/cs |
|------------|---|-------|------------|----------|--------|
| 50-6905180 | 10" Contemporary Basket with Saucer / Wire Hanger | Green | 10"x5.75" | 1.4 gal. | 50 |

Hanging Garden™ (D)

Separates into three parts: the bottom, with side holes into which the full-grown plants can be laid; the lid, which completes the side hole and gives added height for planting the top layer; and the saucer, which can be removed for drainage, then snapped on when the Hanging Garden is ready for sale only minutes after it's filled with flowers!

| Item | Description | Qty/cs |
|---------|-----------------------------------|--------|
| 51-9230 | 8" Green Basket with Wire Hanger | 50 |
| 51-9238 | 10" Green Basket with Wire Hanger | 25 |

Round Growing Container (E)

| Item | Desc. | Color | Dimensions | Vol. | Qty/cs |
|---------|--------------|-------|---------------|-----------|--------|
| 41B12AG | 12" Azalea | Green | 12" x 9" | 3.03 gal. | 25 |
| 41B12SB | 12" Standard | Black | 12" x 10 3/4" | 3.52 gal. | 25 |

Squares (F)

All fit standard 1020 trays

Mini Squares | 18 square pots sized in-between a standard 3 1/2" square and a 4" square. Pot Size: 3 1/2" x 2 7/8".

Maxi Squares | 18 square 4" pots. Save space in greenhouse. Ideal for use with flat fillers. Pot Size: 3 1/2" x 3 1/2".

Jumbo Squares | 8 square pots with the same soil content as a 6 1/2" Azalea, but only 5 1/4" diameter. Space saving of nearly 20% in the greenhouse or on a truck.

Magnum Squares | Pot Size: 6" x 6.5".

| Item | Description | Qty/cs |
|---------|---------------------|--------|
| 50-9622 | Magnum Square Black | 150 |
| 50-9612 | Jumbo Square Black | 200 |
| 50-9505 | Maxi Square Black | 540 |
| 50-9502 | Mini Square Black | 540 |



2025



Forever Forward

- Six sizes with matching trays
- Retail Marketing Appeal—Your message up front and center every time
- Designed for Automation
- Correct Pot Orientation every time
- Footprint reduction vs traditional round pots
- More pots per square foot grower sites
- Maximizes cart utilization
- Increased usage of shipping space reduces freight costs
- More shelf facings at retail

Sizes available: 1 pint, 1.25 pint, 1 quart, and 1.25 quart.
Contact your sales rep. for more information.

Nu-Pots & Nu-Pot Trays

Once seen Nu-Pots & Nu-Trays are not forgotten easily- blooms abound. Abundant soil volumes complement decorative, fluted side-slopes giving excellent gradient rates for strong root development for all plant types- annuals, perennials, foliage.

| Item | Description | Dimensions | Qty/cs |
|---------|--------------|--------------------|--------|
| 49-6210 | Nu-Pot 4 | 3¼" sq x 3⅞" deep | 1600 |
| 49-6216 | Nu-Pot 5 | 4⅝" sq x 4¾" deep | 450 |
| 49-6135 | Nu-Tray 4-18 | 19½" x 10" x 2" | 90 |
| 49-6147 | Nu-Tray 5-10 | 22" x 8¾" x 2½" | 90 |
| 49-6145 | Nu-Tray 5-12 | 17 ½" X 13" X 3 ¼" | 75 |



Root Tutor™

Distinguishing Root Tutors from regular plugs trays is easy- Root Tutors feature internal channels for root directioning and depth for increased gradient ratings. And, the individual plug sizes are larger (Tray Size: 10½" x 21").

- Channels guide roots down, reducing root circling
- Large bottom holes stimulate air pruning
- Star pattern encourages root branching

| Item | Description | Depth | Qty/cs |
|---------|---------------|-------|--------|
| 49-6152 | Root Tutor 32 | 4" | 50 |
| 49-6150 | Root Tutor 72 | 3¼" | 50 |

Filling Trays for JanorPots®

The expanded and redesigned Filling Tray line fits JanorPot containers creating reliable, complete systems with flush top fit, snug interiors and opened-up sides for better container graphics viewing.

- New, stronger resin blend
- Flush fit at the top
- New trays have slots and/or slits for FlatTalker locking tags
- Bottom and sidewall drainage
- Soil deflecting design
- Easy denesting

| Item | Description | Dimensions W x L | Qty |
|-----------|--|------------------------|-----|
| 49-053211 | 2 QT Square 8 Count Tray | 21" x 30 ⅜" | 100 |
| 49-053201 | 10cmT-10ct Filling Tray - black | 19 ¾" X 8" X 3 ¾" H | 100 |
| 49-6172 | 10.5cmH-15ct Filling Tray (4" round pots)- black | 20 ⅝" x 12 ⅞" x 3 ¾"H | 100 |
| 49-6271 | 11cmH-10ct Filling Tray (4.25" round pots)- black | 21" X 7 ¼" X 3 ½" H | 100 |
| 49-6174 | 12cmH-15ct Filling Tray (4.5" round pots)- black | 23 ⅞" x 13 ¾" x 4"H | 50 |
| 49-8620 | 12cmH-8ct Spaced Filling Tray (4.5" round pots)- black | 20" X 10" X 4" 1/8" H | 100 |
| 49-6220 | 12cmH-8ct Filling Tray (4.5" round pots)- black | 18 ½" X 9" X 4" 1/8" H | 100 |
| 49-61961 | 13cmH-8ct Filling Tray (5" round pots)- black | 20" x 10" x 5"H | 50 |
| 49-6178 | 15cmT-6ct Filling Tray (6" round pots)- black | 18" x 11 ½" x 4 ½"H | 50 |
| 49-6182 | 17cmH-6ct Filling Tray (Trade Gal pots)- black | 20" X 16 ¼" x 6 ¼" | 50 |

Flats, Trays and Inserts

| Item | Description | Dimensions | Qty/cs |
|----------|-----------------------------------|----------------------|--------|
| 49-8623 | Root Stepper Landscaper Tray (18) | 20" X 10" X 3 ⅝"H | 100 |
| 49-6100 | Marketmate 6 Basket | 20" X 10" X 3 ½" H | 150 |
| 49-61003 | Deep 804 Black Insert | 21" X 10 ½" X 3 ⅞" H | 100 |



Round JanorPots®

JanorPot containers are designed with a dual-level drainage system for optimum water and aeration exchange that maximizes the plants' growth potential. To complete the system, these pots fit JanorPot Plastic Trays.

Quality is designed into JanorPot containers because automation requires consistency! The smooth, rolled lip, ease in denesting and no sharp edges or projections make these pots the right choice for automation.

All pots are Duo, two layers of material. By using 100% light-proof materials, the plants root zone develops unhindered. This results in an ideal rooting environment allowing plants to grow better, faster and healthier.

| Item | Description | Width | Height | Color | Qty/cs |
|---------|-----------------------------|----------|----------|-------|--------|
| 49-5200 | Janor 3.5 Std Pot / 9cmH | 3 9/16" | 3 1/2" | TRC | 2340 |
| 49-5300 | Janor 4.0 Std Pot / 10cmT | 3 15/16" | 3 9/16" | Black | 1680 |
| 49-5402 | Janor 4.25 Std Pot / 11cmH | 4 3/8" | 3 9/16" | Green | 2000 |
| 49-5600 | Janor 4.5 Ger Pot / 12cmH | 4 3/4" | 3 15/16" | Black | 1425 |
| 49-5210 | Janor 4.5 Ger Pot / 12cmH | 4 3/4" | 3 15/16" | TRC | 1425 |
| 49-6101 | Janor 6.0 Aza Pot / 15cmT | 5 15/16" | 4 1/2" | Black | 600 |
| 49-6102 | Janor 6.0 Aza Pot / 15cmT | 5 15/16" | 4 1/2" | Green | 600 |
| 49-6302 | Janor 6.5 Aza Pot / 17cmL | 6 11/16" | 4 15/16" | White | 414 |
| 49-5311 | Janor 2 Quart Square Pot | 5 5/8" | 6 1/2" | Black | 480 |
| 49-5430 | Janor Trade Gal Pot / 17cmH | 6 11/16" | 6 1/8" | White | 360 |
| 49-5330 | Janor Trade Gal Pot / 17cmH | 6 11/16" | 6 1/8" | Green | 360 |
| 49-5130 | Janor Trade Gal Pot / 17cmH | 6 11/16" | 6 1/8" | Black | 360 |
| 49-5230 | Janor Trade Gal Pot / 17cmH | 6 11/16" | 6 1/8" | TRC | 360 |
| 49-6503 | Janor Full Gal Pot / 19cmT | 7 1/2" | 7 1/4" | TRC | 270 |
| 49-6806 | Janor 1.5 Gal Pot / 22cmT | 8 5/8" | 7 7/8" | TRC | 150 |
| 49-6805 | Janor 1.5 Gal Pot / 22cmT | 8 5/8" | 7 7/8" | Black | 150 |

Square

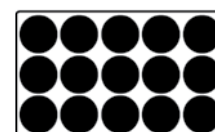
| Item | Description | Width | Height | Color | Qty/cs |
|---------|--------------------------|--------|--------|-------|--------|
| 49-5311 | Janor 2 Quart Square Pot | 5 5/8" | 6 1/2" | Black | 480 |

Color Imprinting on the Pots

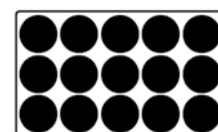
If marketing creativity is not your forte, the marketing/graphics group of Creo Group Greenhouse Products is ready to assist in container graphics design. From simple identification or part of a coordinated marketing program, Creo Group Greenhouse Products facilitates graphics and copy requirements through an entire project. Put your message right up front - the front of a JanorPot. Please contact our office for lead times and minimums. Talk to your Griffin representative about Creo Group Greenhouse Products custom printing and labeling programs.



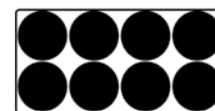
Talk to your Griffin representative about Creo Group Greenhouse Products custom printing and labeling programs.



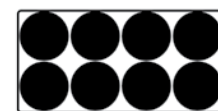
4"-15, 100/carton
Carries 15, 4" round pots
12 1/16" x 20 5/16" x 3 3/4"



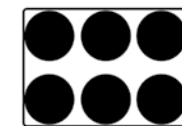
4 1/2"-15, 50/carton
Carries 15, 4 1/2" round pots
13 3/4" x 23 5/16" x 4"



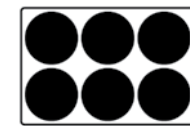
5 1/2" T8 Tray, 50/carton
Carries 8, 5 1/2" pots
11" x 22" x 4 3/8"



5" H8 Tray, 50/carton
Carries 8, 5" round pots
10" x 20" x 4 1/2"



6" Aza T6 Tray, 50/carton
Carries 6, 6" round pots
11 1/2" x 18" x 4 1/2"



Trade Gallon H6, 50/carton
Carries 6, 6 11/16" round pots
Carries 6, 6" round pots
16 1/4" x 20" x 6 1/4"



Nursey Supplies®
A **CREO** COMPANY

Blow Molded

- Available in various weights
- Label compatible
- Strong and flexible
- One year quality guarantee

Custom - Black - Our economy line of blow-molded containers. This container is designed to get your plants to market efficiently. It is available in sizes from 1/2 to 10 gallon.



| Item | Description | Color | Size d x h | CCY* | Qty/Stk | Qty/Pit |
|--|-----------------------------------|--|---|------|---------|---------|
| 52-1530 | #200C Custom | Blk | 6"x6" | 438 | 125 | 14,750 |
| 41PT275C | #275C Custom 1/2 gal | Blk | 6 ⁵ / ₈ " x 5 ¹ / ₂ " | 369 | 100 | 9,200 |
| 41PT300SCN2 | #300SC Custom Squat trade gallon | Blk | 6 ¹ / ₂ " x 6 ¹ / ₂ " | 324 | 106 | 10,388 |
| 41PT300C | #300C Custom trade gallon | Blk | 6 ³ / ₈ " x 7 ¹ / ₄ " | 275 | 100 | 9,200 |
| 41PT350C | #350C Custom 1 gal mum pan | Blk | 8" x 5 ¹ / ₈ " | 264 | 130 | 8,320 |
| 41PT400CN2 | #400C Custom 1 gal | Blk | 7 ³ / ₄ " x 7" | 202 | 92 | 6,440 |
| 41PT550CTCN2 | #550C Custom 1 1/4 gal mum pan | TC | 9" x 6 ¹ / ₈ " | 167 | 97 | 4,850 |
| 41PT550CN2 | #550C Custom 1 1/4 gal mum pan | Blk | 9" x 6 ¹ / ₈ " | 167 | 97 | 4,850 |
| 41600CN2 | #600C Custom trade 2 gal | Blk | 9" x 8 ¹ / ₂ " | 135 | 105 | 5,250 |
| 41PT900CN2 | #900C Custom 2 gal | Blk | 9 ¹ / ₂ " x 9 ¹ / ₈ " | 104 | 83 | 3,818 |
| 52-1577 | #1000SC Custom Squat 1.95 gal | Blk | 10 ¹ / ₈ " x 7 ¹ / ₂ " | 104 | 75 | 2,700 |
| 41PT1000CN2 | #1000C Custom 2 1/2 gal | Blk | 10 ¹ / ₈ " x 9 ¹ / ₈ " | 90 | 70 | 2,520 |
| 41PT1200SCN2 | #1200SC Custom Squat 2.32 gal | Blk | 11" x 7 ¹ / ₂ " | 87 | 60 | 1,920 |
| 41PT1200CN3 | #1200C Custom 3 gal | Blk | 11" x 9 ¹ / ₂ " | 67 | 56 | 1,792 |
| 411600C | #1600C Custom 4 gal | Blk | 11 ¹ / ₈ " x 10 ¹ / ₈ " | 57 | 47 | 1,316 |
| 411600SC | #1600SC Custom 2.87 gal | Blk | 11 ¹ / ₈ " x 7 ¹ / ₈ " | 70 | 47 | 1,316 |
| 412000C | #2000C Custom 5 gal | Blk | 11 ¹ / ₈ " x 11" | 53 | 44 | 1,232 |
| 41PT2100CN | #2100C Custom Squat 5 gal | Blk | 14" x 9 ¹ / ₈ " | 39 | 31 | 837 |
| 41PT2800CN | #2800C Custom 7 gal | Blk | 14" x 11 ¹ / ₂ " | 34 | 31 | 837 |
| Olympian - Heavier weight than Custom | | | | | | |
| 41PT4000BXL | #4000BXL Olympian 9 gal | Blk | 15 ³ / ₄ " x 15" | 23 | 27 | 432 |
| 41PT4000SBXL2 | #4000SBXL Olympian Squat | Blk | 15" x 12 ¹ / ₂ " | 27 | 21 | 672 |
| 525-113 | #6900BXL Olympian 13.35 gal | Blk | 18 ³ / ₈ " x 15 ¹ / ₈ " | 15 | 18 | 270 |
| 19000 | #6900SBXL Olympian Squat 10.66 ga | Blk | 18 ³ / ₈ " x 12 ¹ / ₈ " | 19 | 19 | 285 |
| Large Classic Containers | | | | | | |
| 52-1295 | Classic 18000 45 gal | 30" x 20 ¹ / ₈ " | 4.5 | 4 | N/A | |

*CCY= Number of containers necessary to hold a cubic yard of soil.

**Vendor requires minimums. Call for details.

Grip-Lip[®]

- Available in two weights
- Pot-in-pot
- Label, hot stamp and printing compatible
- Automation friendly
- One year quality guarantee
- Strong lip (rim)

Available in stocked sizes from 3 gallon to 65 gallon



| Item | Description | Size d x h | CCY* | Qty/Stk | Qty/Plt |
|-----------------------------|--------------------------|---|------|---------|---------|
| Econogrip Containers | | | | | |
| 41PT1200EG | #EG 1200 2.7 gal | 9 ⁵ / ₈ " x 9 ¹ / ₂ " | 75 | 44 | 1,584 |
| 41PT2000EG | #EG 2000 3.93 gal | 10 ⁷ / ₈ " x 11" 1/ ₈ " | 51 | 35 | 980 |
| 52-1689 | #EG2800-S Squat 5.5 gal | 13 3/ ₄ " x 10" | 34 | 20 | 640 |
| 52-1692 | #EG2800 6 gal | 13 3/ ₄ " x 12" | 34 | 20 | 640 |
| 41PT4000EG | #EG 4000 9 gal | 14 ¹ / ₄ " x 14 ¹ / ₄ " | 23 | 19 | 342 |
| 41PT6900SEGN2 | #EG 6900-S Squat 10 gal | 17 ¹ / ₄ " x 12 1/ ₈ " | 19 | 17 | 170 |
| 41PT6900EGN2 | #EG 6900 13 gal | 17 ¹ / ₄ " x 15 ⁵ / ₈ " | 16 | 17 | 170 |
| 41PT8000SEG | #EG 8000-S Squat 13 gal | 19 ¹ / ₂ " x 12" | 15 | 18 | 144 |
| 41PT8000EG | #EG 8000 20 gal | 19 ¹ / ₂ " x 17" | 11 | 16 | 128 |
| 4110000SEG | #EG 10000-S Squat 20 gal | 22 ³ / ₄ " x 13 ¹ / ₈ " | 10 | 14 | 168 |
| 4110000EG | #EG 10000 27 gal | 22 ³ / ₄ " x 18 1/ ₈ " | 8 | 10 | 150 |

Pressure-Formed

- Economical
- Automation friendly
- Strong and resilient
- Label and printing compatible



| Item | Description | Color | Volume | Dia. x Ht | CCY | Qty/Stk | Qty/Plt |
|-----------|----------------------------------|-------|----------|--|-----|---------|---------|
| 52-35351 | PF310S #1 trade gal | Black | .63 gal | 6 ¹ / ₈ " x 6 ¹ / ₂ " | 306 | 80 | 7,360 |
| 52-35501 | PF400 True #1 gal | Black | 1.0 gal | 7 ¹ / ₂ " x 7 ¹ / ₈ " | 202 | 85 | 5,440 |
| 52-3565 | PF600 #2 trade gal | Black | 1.5 gal | 8 ¹ / ₂ " x 8 ¹ / ₂ " | 135 | 90 | 4,140 |
| 52-3570 | PF800 True #2 gal | Black | 2.00 gal | 8 ⁷ / ₈ " x 9 ³ / ₈ " | 101 | 87 | 4,002 |
| 52-35751 | PF1000 True #10 Foliage 2.25 gal | Black | 2.25 gal | 9 ⁵ / ₈ " x 9 ¹ / ₈ " | 90 | 89 | 3,204 |
| 52-35801 | PF1200 True #3 gal | Black | 3.0 gal | 10 ¹ / ₂ " x 9 ³ / ₈ " | 68 | 71 | 2,272 |
| 41PF550CN | PF 550 large mum pan | Black | 1.55 gal | 9 1/2" x 6" | 131 | 91 | 3,276 |

*CCY= Number of containers necessary to hold a cubic yard of soil.

Other sizes available. Call for details.

Griffin now stocks the economy weight (Econo-Grip) containers in the Grip-Lip line. The Econo-Grips are used for general plant growing and as the growing pot (liner) in a Pot-in-Pot system. Heavy weight Grip-Lips are mostly used as the in-ground container in a Pot-in-Pot system.

*CCY= Number of containers necessary to hold a cubic yard of soil.

Savings

| Purchase | Save |
|------------|------|
| \$500.00 | 5% |
| \$1,250.00 | 10% |
| \$2,000.00 | 15% |

Savings applies to all Nursery Supplies Products.



Lerio® Large Vacuum Form

- Exceptional strength
- Durable
- Available in a wide range of sizes



| Item | Description | Gallon | Size d x h | CCY* | Qty/Stk |
|---------|---------------------|--------|--|------|---------|
| 41SW45 | SW45 vacuum formed | 42.81 | 28" x 19" | 5 | 1 |
| 41LER95 | LER95 vacuum formed | 93.28 | 36" x 24 ³ / ₈ " | 2 | 1 |
| 41SW200 | SW200 vacuum formed | 186.08 | 48" x 26 ¹ / ₂ " | 1 | 1 |

PRINTING CAPABILITIES

Branding moves products and Creo Group – Nursery Products is your branding expert. We offer our blow molded, thermoformed and injection molded containers in many standard colors or select a custom color to meet your marketing requirements. Ensure your customers knows you year-after-year by developing that recognized brand. When your company requires that branded appearance, let Creo Group – Nursery Products work with you to make it happen.

Contact your Griffin Sales Representative for more information.

2025

Injection Molded

- Strong and rigid
- Tier stacking
- Label, hot stamp and printing compatible
- Tag slots available on some sizes



| Item | Description | Color | Dia. x Ht. | CCY* | Qty/Stk | Qty/Pit |
|-----------|--------------------------------|-------|------------------|------|---------|---------|
| 52-113531 | NS300 0.65 gal Polytaimer | Blk | 6" x 6 7/8" | 311 | 55 | 6,490 |
| 52-11402 | NS600 1.73 gal Polytaimer | Blk | 8 1/2" x 8 1/2" | 117 | 48 | 2,880 |
| 52-35809 | NS1400 3.58 gal Polytaimer | Blk | 10 x 12 | 57 | 37 | 1,332 |
| 52-11403 | NS5S Squat 3.58 gal Polytaimer | Blk | 11 1/4" x 9 7/8" | 57 | 41 | 1,148 |
| 52-11801 | NS7S Squat 6.2 gal Polytaimer | Blk | 14" x 11 1/4" | 33 | 24 | 576 |

*CCY= Number of containers necessary to hold a cubic yard of soil.

GO GREEN

Green: More than the color of the Creo Group – Nursery Products logo:

Recycling has been always been a vital part of Creo Group – Nursery Products and now they are looking to “go greener”. They are increasing the percentage of post-consumer and post-industrial regrind and reprocessed material in their containers. They have increased their recycled content up to 100% in all three manufacturing processes, blow-molding, injection-molding and thermo-forming of the pot material (excluding color and additives). “Green” is truly more than the color of their logo; it is the driving force to their commitment to the environment in which we live

Dec-Grow®

**Tough enough to grow in.
Beautiful enough to show in.**

- Choice of side or bottom holes
- Grow and show
- Growing container or cover sleeve
- One year quality guarantee
- Four designs in one package



| Item | Description (Trade Size) | Dia. x Ht | Qty/STK | Qty/Pit |
|----------|----------------------------------|-------------------|---------|---------|
| 52-10381 | #10 Dec-Grow Florida Terra Cotta | 9 7/8" x 8 3/4" | 45 | 1,440 |
| 52-10463 | #12 Dec-Grow Florida Terra Cotta | 11 7/8" x 10 3/4" | 36 | 720 |



Knockout Rose and Drift

| Item | Description | Volume | Qty/Stk | Qty/Pit |
|-----------|--------------------------------|----------|---------|---------|
| 41PT400KO | Knock Out Rose Pot PF400 | 1 gal. | 85 | 5,440 |
| 41PT800KO | Knock Out Rose Pot PF800 | 2 gal. | 87 | 4,002 |
| 52-028402 | Knock Out Rose Pot PF1200 | 3 gal. | 71 | 2,272 |
| 52-35802 | Drift Rose Pot PF1200 | 3 gal. | 71 | 2,272 |
| 52-028400 | PF600 Meet Petite Knock Out #2 | 1.5 gal. | 90 | 4,140 |

In stock for your convenience. Please see your Griffin rep for drop ship program pricing.

Brindabella Roses

| Item | Description | Volume | Qty/Stk |
|----------|---|--------|---------|
| 52-35820 | NSI PF1200 Brindabella Rose Printed Pot | 3 Gal | 71 |



MICROFAB | High-performance anti-root barrier

For pot in pot container nursery production. Microfab, inserted between socket pot and plant pot, controls the rooting out from pot's drain holes. It will ease pot harvest, save labor and ensure good water permeability with its high density micro-perforated structure. For increased root control, Microfab can be placed inside of plant pot. Microfab lets water go through while keeping roots in. Widths: 23" (6 rolls), 27 5/8" (5 rolls), 34 1/2" (4 rolls), 46" (3 rolls), 69" (2 rolls) or 1 roll of 11' 6" x 300'. Drop Ship Only. Contact Griffin for more Information.





Plug Sheets, Plug Trays, Seedling Trays

| Item | Description | Cell Depth | Cell Top Dia. | Cell Config. | Compatible Trays | Qty/cs |
|---|---|------------|---------------|--------------|----------------------|--------|
| Plug Sheets <i>Lighter gauge best supported with use of an under tray. Inquire about additional cell counts</i> | | | | | | |
| 132-2159 | 72 Square Plug Sheet with Root Channels | 2.38" | 1.63" | 6x12 | L1020NCR, IL1020ISSN | 100 |
| Plug Trays <i>Can be self-supportive without use of an under tray for many applications. Ask about additional cell counts including hexagonal & octagonal shapes</i> | | | | | | |
| 132-2201 | 72 Square Plug Tray | 1.75" | 1.25" | 6x12 | L1020NCR, IL1020ISSN | 100 |
| 132-2319 | 512 Square Plug Tray CE Compliant | 1.00" | .56" | 16x32 | L1020NCR, IL1020ISSN | 100 |
| Seedling Trays <i>Rugged plug trays with additional cell depth</i> | | | | | | |
| 132-2169 | 72 Seedling Tray | 3.25" | 1.63" | 6x12 | L1020NCR, IL1020ISSN | 50 |

Round Thermoform Standard Pots

| Item | Description | Outside Top Diameter | Height | US Liquid Volume | Compatible Trays | Qty/cs |
|----------|--|----------------------|--------|------------------|------------------|--------|
| 132-2286 | 3.50 Standard TF Pot | 3.50" | 3.25" | 12.27 fl oz | 35TP12 | 450 |
| 132-2288 | 4.33 Deep Standard Maxi-Grow Pot with tag slot | 4.33" | 5.00" | 1.58 pt | 43DTH10 | 540 |
| 132-2399 | 6.50 Nursery Trade Gallon Pot | 6.50" | 6.50" | 2.50 qt. | 3QTCT, 3QTCTHO | 200 |

Transport and Carry Trays for Round Thermoform Pots

| Item | Description | Tray Depth | Overall Tray Length | Overall Tray Width | Compatible Pots | Qty/cs |
|----------|----------------------------------|------------|---------------------|--------------------|-----------------|--------|
| 132-2433 | 4.00 Transport Tray (15) | 3.50" | 20.25" | 12.13" | 4RMGT | 85 |
| 132-2207 | 4.33 (11 cm) Transport Tray (10) | 4.06" | 21.63" | 8.63" | 43RMGT | 100 |
| 132-2217 | 4.33 (11 cm) Transport Tray (12) | 4.12" | 17.22" | 13.00" | 43RMGT | 100 |
| 132-2016 | 4.50 Transport Tray (8) | 4.25" | 19.50" | 10.00" | 45RMGT | 50 |
| 132-2157 | 4.50 Transport Tray (10) | 4.19" | 22.40" | 8.90" | 45RMGT | 75 |
| 132-2325 | 4.50 Transport Tray (15) | 3.94" | 23.06" | 14.06" | 45RMGT | 90 |
| 132-2204 | 6.00 Azalea Transport Tray (6) | 4.25" | 17.64" | 11.50" | 6AMGT | 100 |
| 132-2215 | 6.50 Transport Tray (6) | 5.25" | 19.63" | 13.00" | 65AMGT, 65NTGT | 100 |

Round Azalea Thermoform Pots

(Black is standard color for pots. Add 15% for any other color.)

| Item | Description | Color | Outside Top Diameter | Height | Liquid Volume | Compatible Trays | Qty/cs |
|----------|------------------------------|-------|----------------------|--------|---------------|------------------|--------|
| 132-2290 | 5.00 Azalea Maxi-Grow TF Pot | Black | 5.00" | 3.61" | 1.67 pt | T5TP | 440 |
| 132-2086 | 5.00 Azalea Maxi-Grow TF Pot | Green | 5.00" | 3.61" | 1.67 pt | T5TP | 440 |
| 132-2235 | 6.00 Azalea Maxi-Grow TF Pot | Black | 6.00" | 4.38" | 1.40 qt | 6TP | 220 |
| 132-2064 | 6.00 Azalea Maxi-Grow TF Pot | Green | 6.00" | 4.38" | 1.40 qt | 6TP | 220 |
| 132-2396 | 6.50 Azalea Maxi-Grow TF Pot | Black | 6.50" | 5.00" | 2.08 qt | 65TP | 240 |
| 132-2087 | 6.50 Azalea Maxi-Grow TF Pot | Green | 6.50" | 5.00" | 2.08 qt | 65TP | 240 |



Square Thermoform Pots

| Item | Description | Outside Top Diameter | Height | Liquid Volume | Compatible Trays | Qty/cs |
|--|-------------------------------------|----------------------|--------|---------------|----------------------------------|--------|
| Square TF Pots / Press-Fit Pots | | | | | | |
| 132-2092 | 3.00 Sq Press-Fit Pot | 2.63" | 2.25" | 6.00 fl oz | LPF32TRY | 800 |
| 132-2081 | 3.00 Sq Pot Deep with Root Channels | 2.63" | 3.50" | 9.50 fl oz | LPF32TRY | 800 |
| 132-2246 | 4.00 Sq Press-Fit Pot | 3.50" | 3.50" | 1.05 pt | LPF12TRY, LPF18TRY | 450 |
| 132-2093 | 4.50 Sq Press-Fit Pot | 4.19" | 3.63" | 1.69 pt | LPF15TRY, 45ST8WM, 45RSWM | 375 |
| 132-2114 | 4.50 Sq Pot Deep | 4.19" | 4.88" | 1.15 qt | LPF15TRY, L45PF12, 45RSWM, LSR10 | 375 |
| Sheet of Pots | | | | | | |
| 132-2036 | 4.50 Sq Sheet of Pots (15) | 3.65" | 4.09" | 1.55 pt | LPF15TRY | 100 |

2025

Trays for Square Thermoform Pots

| Item | Description | Tray Depth | Overall Tray Length | Overall Tray Width | Compatible Pots | Qty/cs |
|----------|-----------------------------|------------|---------------------|--------------------|-----------------|--------|
| 132-2196 | 3.00 Sq Press-Fit Tray (32) | 1.50" | 21.23" | 10.79" | 3PF800, 3PD800 | 100 |
| 132-2198 | 4.00 Sq Press-Fit Tray (18) | 2.31" | 21.23" | 10.79" | 4PF450 | 100 |
| 132-2151 | 4.50 Sq Press-Fit Tray (15) | 2.31" | 21.10" | 12.71" | 45P375, 45PD375 | 50 |

Vacuum Inserts and Trays

| Item | Description | Cell Depth | Cell Length | Cell Width | Qty/cs |
|--|---|------------|-------------|------------|--------|
| Standard L Series Inserts | | | | | |
| 132-2109 | L 606 Pack | 2.33" | 2.35" | 2.15" | 100 |
| 132-2129 | L 606 Super Jumbo Pack | 3.13" | 2.35" | 2.15" | 100 |
| 132-2119 | L 806 Super Jumbo Pack | 3.12" | 2.35" | 1.60" | 100 |
| Standard L Series Tray Compatible with L Series Inserts shown above | | | | | |
| 132-2067 | L 1020 Injection Molded Web Tray Solid Side | 2.50" | 21.00" | 10.50" | 50 |
| True T Series Tray Compatible with T Series Inserts shown above | | | | | |
| 132-2256 | T Injection Molded Tray | 2.63" | 20.00" | 10.00" | 100 |
| P Series Tray Compatible with P Series Inserts shown above | | | | | |
| 132-2255 | P Tray | 2.94" | 11.38" | 14.88" | 75 |

Hemp Propagation Supplies

| Item | Description | Cell Depth | Cell Top Dia. | Cell Config. | Qty/cs |
|----------|--|------------|---------------|--------------|--------|
| 132-2807 | T50R: T50 Round Plug Tray | 1.75" | 1.75" | 5x10 | 50 |
| 132-2808 | 72FPT: 72 Round with vent holes & feet | 2.25" | 1.49" | 6x12 | 100 |



EASILY MOVE LARGE PLANTS

WITH DEVAULT DOLLIES

Easily move hefty plants to and from your garden! Weather-resistant, durable tool will last you many seasons. Choose from our large selection of dolly's to fit your needs, today!



2025



Bear Planter

Heavy cement planter with removable drainage plug. TOD 7.08" | Height 5.82"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------|-------------|--------|----------|
| 81792431 | Bear Planter | 260082P-028 | 8/8 | National |

Cow Planter

Heavy cement planter with removable drainage plug, perfect for succulents or houseplants.



NATURAL BROWN



LIGHT EARTH

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------------|-------------|--------|----------|
| 81792433 | Small - Natural Brown | 260074P-700 | 12/12 | National |
| 81792434 | Small - Light Earth | 260074P-147 | 12/12 | National |
| 81792435 | Large - Natural Brown | 260073P-700 | 6/6 | National |
| 81792436 | Large - Light Earth | 260073P-147 | 6/6 | National |

Yellow Duck Planter w/ Drainage Plug TOD 6.49" | Height 5.91"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------|-------------|--------|----------|
| 81792432 | Yellow Duck | 260083P-005 | 8/8 | National |

Moose Planter w/ Drainage Plug TOD 6.89" | Height 5.51"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------------|-------------|--------|----------|
| 81792430 | Moose - Light Brown | 260081P-455 | 8/8 | National |

Cam the Sloth Planter No drainage, great for drop ins!



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------|--------|--------|----------|
| 81792364 | Sloth Planter | 260031 | 6/6 | National |

CEMENT BUDDIES

Forest animal planters | Adorable addition to any home or garden.



| Item # | Desc | Vendor | UOS/CS | Location |
|---|----------|-----------|--------|----------|
| Bird - S: 6.25" x 4" x 4.75" / L: 8.75" x 5.25" x 5.5" | | | | |
| 81791016 | Rust - S | 9/3411R/1 | 12/12 | National |
| 81791017 | Nat - S | 9/3411/1 | 12/12 | National |
| 81791018 | Rust - L | 9/3412R/1 | 6/6 | National |
| 81790079 | Nat- L | 9/3412/1 | 6/6 | National |

| | | | | |
|--------------------------------|---------|-------------|-----|----------|
| Elephant - 7" x 5" x 6" | | | | |
| 81791571 | Rust | 260004P-433 | 8/8 | National |
| 81791563 | Natural | 260004P-396 | 8/8 | National |

| | | | | |
|---|----------|-----------|-------|----------|
| Frog - S: 5.75" x 4.75" x 4" / L: 7.5" x 6" x 5.5" | | | | |
| 81791027 | Rust - S | 9/3431R/1 | 18/18 | National |
| 81791028 | Nat - S | 9/3431/1 | 18/18 | National |
| 81791029 | Rust - L | 9/3432R/1 | 8/8 | National |
| 81791030 | Nat- L | 9/3432/1 | 8/8 | National |

| | | | | |
|--|----------|-----------|-------|----------|
| Hedgehog - S: 5" x 4.25" x 3" / L: 7.75" x 6" x 4.25" | | | | |
| 81791021 | Rust - S | 9/3431R/1 | 18/18 | National |
| 81791022 | Nat - S | 9/3431/1 | 18/18 | National |
| 81791023 | Rust - L | 9/3432R/1 | 8/8 | National |
| 81790078 | Nat- L | 9/3432/1 | 8/8 | National |

| Item # | Desc | Vendor | UOS/CS | Location |
|--|----------|-------------|--------|----------|
| Owl: 4.5" x 4.25" x 4.75" / L: 5.5" x 5" x 6" | | | | |
| 81791573 | Rust - S | 260006P-433 | 12/12 | National |
| 81791565 | Nat - S | 260006P-396 | 12/12 | National |
| 81791572 | Rust - L | 260005P-433 | 8/8 | National |
| 81791564 | Nat- L | 260005P-396 | 8/8 | National |

| | | | | |
|---|----------|-------------|-------|----------|
| Piglet - S: 6" x 3.75" x 3.5" / L: 7.5" x 4.75" x 4" | | | | |
| 81791578 | Rust - S | 260014P-433 | 12/12 | National |
| 81791570 | Nat - S | 260014P-396 | 12/12 | National |
| 81791577 | Rust - L | 260013P-433 | 8/8 | National |
| 81791569 | Nat- L | 260013P-396 | 8/8 | National |

| | | | | |
|---|----------|-----------|-------|----------|
| Rabbit - S: 6" x 4.75" x 3.75" / L: 8" x 6" x 4.5" | | | | |
| 81791019 | Rust - S | 9/3441R/1 | 12/12 | National |
| 81790089 | Nat - S | 9/3441/1 | 12/12 | National |
| 81791020 | Rust - L | 9/3442R/1 | 6/6 | National |
| 81790088 | Nat- L | 9/3442/1 | 6/6 | National |

| Item # | Desc | Vendor | UOS/CS | Location |
|---|----------|-------------|--------|----------|
| Sleeping Cat - S: 7" x 4.75" x 4" / L: 8" x 5.75" x 4.5" | | | | |
| 81791575 | Rust - S | 260010P-433 | 12/12 | National |
| 81791567 | Nat - S | 260010P-396 | 12/12 | National |
| 81791574 | Rust - L | 260009P-433 | 6/6 | National |
| 81791566 | Nat- L | 260009P-396 | 6/6 | National |

| | | | | |
|---|----------|-------------|-----|----------|
| Sleeping Dog: 7" x 6.25" x 3.25" | | | | |
| 81791576 | Rust - S | 260011P-433 | 6/6 | National |
| 81791568 | Nat - S | 260011P-396 | 6/6 | National |

| | | | | |
|--|----------|-----------|-------|----------|
| Snail - S: 5.75" x 4.5" x 4.25" / L: 8" x 6" x 5.5" | | | | |
| 81791031 | Rust - S | 9/3471R/1 | 12/12 | National |
| 81791032 | Nat - S | 9/3471/1 | 12/12 | National |
| 81791033 | Rust - L | 9/3472R/1 | 4/4 | National |
| 81790076 | Nat- L | 9/3472/1 | 4/4 | National |

| | | | | |
|---|----------|-----------|-------|----------|
| Turtle - S: 6" x 4.75" x 3.5" / L: 7.75" x 6" x 4.5" | | | | |
| 81791024 | Rust - S | 9/3451R/1 | 12/12 | National |
| 81791025 | Nat - S | 9/3451/1 | 12/12 | National |
| 81791026 | Rust - L | 9/3452R/1 | 6/6 | National |
| 81790077 | Nat- L | 9/3452/1 | 6/6 | National |

All animals have removable drainage plugs!



Classic Coral Fish

Overall 6.5" long with removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------|------------|--------|----------|
| 81792196 | 3.5" | 260032-579 | 16/16 | National |

Large Mouth Fish Planter

Cement planters opening diameter 3 1/2" - overall height 4 1/4" - Volume 0.34 gal. Removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|-------------|--------|----------|
| 81792119 | Weathered Bronze | 260023-C154 | 16/16 | National |
| 81792118 | Light Earth | 260023-C147 | 16/16 | National |

Rooster Planter

Cement rooster planter with removable drainage plug. Open diameter 5" Overall height 7" Volume 0.3 gal.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------|-------------|--------|----------|
| 81792123 | Rooster planter | 260027-C148 | 8/8 | National |

Cement Shell Planter

Sea Shell planters made of cement feature a removable drainage plug. Opening diameter 5" - Overall height 2.5" Volume 0.15 gal.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------|------------|--------|----------|
| 81792222 | Harbor Blue | 260025-580 | 24/24 | National |

Maxwell Planters

Maxwell cement planters with removable drainage plug. Perfect for succulents, foliage or flowers! 4" x 4".



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------------|------------|--------|----------|
| 81792191 | Round Country Blue Weave | 210055-580 | 12/12 | West |

Zinc and Black

Cement Pot

Assortments

Small: 5.3x5.3x4.7

Large: 7.5x7.5x6.1

*Comes with a removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------------------------|--------|--------|----------|
| 81791819 | Small MOD Zinc & Black Assorted | 31006 | 12/12 | National |
| 81791820 | Large MOD Zinc & Black Assorted | 31007 | 8/8 | National |

Kiawah Ceramic Planters

Ceramic containers are perfect additions to your planter selection. Drop in succulents or houseplants. Features removable drainage holes 4" (Case pack of 24) 6" (Case pack of 12).



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------|------------|--------|----------|
| 81792406 | 4" Sage & Denim | K90080-000 | 24/1 | National |
| 81792410 | 6" Sage & Denim | K90078-000 | 12/1 | National |

Artie Ceramic Planter

These detailed ceramic containers are perfect for houseplants. Features removable drainage plug. Case pack of 8. (4 each Quarry / Grey)



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------------|------------|--------|----------|
| 81792411 | 6" Quarry & Gray 8 per case | K90079-000 | 1/1 | National |

Colchester Ceramic Planter

Ceramic containers are perfect additions to your planter selection. Drop in succulents or houseplants. Features removable drainage holes 4" - Case pack 8" - Case pack 24



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------|------------|--------|----------|
| 81792407 | 4" - Grey 24 per case | K90103-781 | 1/1 | National |
| 81792418 | 8" - Grey 6 per case | K90104-781 | 1/1 | National |

Wood Grain Ceramic Planter

White ceramic band complements wood grain, has removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------------------|--------|--------|----------|
| 81792355 | White with Wood Grain 5.25"x5" | 50022 | 12/12 | West |



Yellow Sun Cement Pot

Cement planter with removable drainage plug. Open diameter 4 1/3" Overall height 4" Volume 0.55 gal.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------|-------------|--------|----------|
| 81792198 | 4.3" x 4" | 210054P-396 | 16/16 | National |



Cement Heart Pots

Made of cement and featuring a removable drainage plug these containers are perfect for succulents or foliage plants.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------------------|-------------|--------|----------|
| 81791694 | Red Heart 4.7X4.7x6.5 | 210027P-396 | 12/12 | National |
| 81791695 | Red Heart 5.5X5.5x5.1 | 210028P-396 | 12/12 | National |
| 81791696 | Red Heart 4.3X4.3x4 | 210029P-396 | 18/18 | National |
| 81791697 | Red Heart Low Bowl 6.5X6.5x3.1 | 280000P-396 | 12/12 | National |
| 81791709 | Red Wash White Heart 5.2X5.2x4.9 | 210019-131 | 12/12 | National |
| 81791710 | Red Wash White Heart | 210019P-328 | 12/12 | National |



Bella Planter

At a height of 9.5" and a top outside diameter of 9.9", the Bella planters are fantastic for all your plantings requiring a deeper rooting solution. Made of plastic resin.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------------|-----------|--------|----------|
| 81791040 | 7" Metallic Red | 1258-098M | 25/25 | National |
| 81791897 | 10" Metallic Frosted Pearl | 1255-027M | 1/20 | National |
| 81791042 | 10" Metallic Red | 1255-098M | 20/20 | National |



Geometric Ceramix Planters

Colorful ceramic containers are perfect additions to your planter selection. Drop in succulents or houseplants. Features removable drainage holes.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--|------------|--------|----------|
| 81792401 | 4" Asst Pink Green Blue Purple 24 per case | K90073-000 | 1/1 | National |
| 81792402 | 4" Mix White & Black 24 per case | K90074-000 | 1/1 | National |
| 81792346 | 5.7" x 4.2" Black | 50000-EB | 16/16 | National |
| 81792412 | 6.5" White 6 per case | K90105-089 | 1/1 | National |
| 81792413 | 6.5" Dark Blue 6 per case | K90105-448 | 1/1 | National |
| 81792417 | 8" Dark Blue 4 per case | K90107-448 | 1/1 | National |
| 81792416 | 8" White 4 per case | K90107-089 | 1/1 | National |
| 81792347 | 8.27" x 5.35" White | 50001-WH | 6/6 | National |
| 81792348 | 8.27" x 5.35" Black | 50001-EB | 6/6 | National |



Dotted Ceramix Planters

Colorful ceramic containers are perfect additions to your planter selection. Drop in succulents or houseplants. Features removable drainage holes.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--|------------|--------|----------|
| 81792400 | 2.5" Mix Blue, Green, White & Pink 96 per case | K90072-000 | 1/1 | National |
| 81792405 | 4" - Black 24 per case | K90108-001 | 1/1 | National |
| 81792404 | 4" - White 24 per case | K90108-089 | 1/1 | National |
| 81792403 | 4" Mix Pink, Green, Blue & Purple 24 per case | K90075-000 | 1/1 | National |
| 81792350 | 5.7" x 4.2" Black | 50002-EB | 16/16 | National |
| 81792414 | 6.5" - White 6 per case | K90106-089 | 1/1 | National |
| 81792415 | 6.5" - Dark Blue 6 per case | K90106-448 | 1/1 | National |
| 81792352 | 8.27" x 5.35" Black | 50003-EB | 6/6 | National |



Lavastone Luzon Urn

14.25" W x 13.25" H
has drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------|--------|--------|----------|
| 81792184 | 14.25 X 13.25 | LS7415 | 1/1 | National |

Chelsea Round Planter

Dura Fiber Antique Zinc
13.4" x 12.6"
16.5" x 16.1"
20.1" x 19.3"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------|----------|--------|----------|
| 81792464 | Chelsea Planter | 10026-AZ | 1/1 | National |

Ancient Cement Handled Planter

Comes with removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------|--------|--------|----------|
| 81792152 | 6.5X5X4.3 | 45002 | 12/12 | West |

Dakota Trough

Cement planter with removable drainage plug.
8" x 3" x 3"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------|-------------|--------|----------|
| 81791532 | Earth Moss | 240001P-432 | 16/16 | National |
| 81791531 | Rust | 240001P-433 | 16/16 | National |

Jake Planter

14" Resin planter straw finish with drainage. Feels and looks real! Overall height 10" - Holds 4 gallon volume.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|------------|--------|----------|
| 81792085 | 14" Jake planter | 2014D-587R | 12/12 | National |

Flora Trio

Cement planters with assorted white and green interiors. Perfect for any houseplant. Comes with a removable drainage plug.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------|--------|--------|----------|
| 81791813 | 5.3x5.3x4.7 | 31000 | 12/12 | National |
| 81791814 | 7.5x7.5x6.1 | 31001 | 6/6 | National |

Tin Planter w/ Faux Hose



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------|--------|--------|----------|
| 81791418 | 12"x7"x11" | 13069 | 4/4 | National |

License Plate Metal Planters

Rectangle Sizes: L: 11.6"x6.3"x5.9" S: 8.7"x4.7"x5.5"
Round Sizes: L: 8.9"x8.9"x6.9" S: 8.1"x8.1"x6.7"
Square Sizes: L: 6"x6"x6" S: 5"x5"x5.5"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------|--------|--------|----------|
| 81791372 | Rectangle | 13013 | 2/2 | National |
| 81791373 | Round | 13014 | 2/2 | National |
| 81791398 | Square | 13048 | 2/2 | National |

Tin Planters

7.1" x 7.1" x 5.9" & 5.1" x 5.1" x 4.92"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------|--------|--------|----------|
| 81791404 | Set of 2 | 13055 | 2/2 | National |



Self-Watering Raised Garden Bed



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------|-------------|--------|----------|
| 81792439 | 30" | 740000P-101 | 4/4 | National |

Arc Bowl Planter

With Drainage plug
12.5"x8.5"x5.25"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------|----------|--------|----------|
| 81791748 | Stone | 573D-120 | 20/20 | National |
| 81791749 | Desert | 573D-514 | 20/20 | National |
| 81792084 | Concrete | 573D-102 | 20/20 | National |
| 81792083 | Georgia Clay | 573D-093 | 20/20 | National |



North Star Pot

Mixed case pack of ceramic white, gold, red, and silver with north star raised prints. Features removable drainage plugs. Case pack of 24 - 6 of each color.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---|------------|--------|----------|
| 81792408 | 4" Case of 24 White, Gold, Red, Silver | K90076-000 | 1/1 | National |

Penguin & Frosty Mix Planter

Heavy cement planters come in a mixed case pack with Penguin and Snowman. Fits a 4" pot and has a removable drainage plug. Case pack of 18 - 9 each Penguin/Snowman.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------|------------|--------|----------|
| 81792409 | 4" Penguin & Frosty Mix | K90077-396 | 1/1 | National |

Square Planter



Deck Rail Window Box



Window Box



Falmouth Planter

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------------|------------------|--------|----------|
| 81792427 | 11" square white | 1071CP18B-340V | 18/18 | National |
| 81792556 | 16" square white | HD1453CP20B-340V | 20/20 | National |
| 81792428 | 24" Deck Rail Window Box | 1074CP10B-340V | 10/10 | National |
| 81792429 | 24" Window Box | 1075CP16B-340V | 16/16 | National |

Birch Oval Planter

Beautiful Birch oval resin planter, with no drainage. Choose from two sizes. 12" L x 6" W x 6.5" H (1.22gal) 16" L x 6.1" W x 6.5" H (1.8gal).



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------|----------|--------|----------|
| 81792374 | 12" | 512D-516 | 24/24 | National |
| 81792382 | 16" | 516D-516 | 20/20 | National |

Doherty 12" Pots

12" resin planters with drainage. Opening diameter 11.62" Overall height 9.12" Volume 2.75gal - Great for drop ins or to grow in!



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|-----------|--------|----------|
| 81792106 | Grained Sky Blue | 112D-555R | 16/16 | National |



Elle Planter w/ Plug

Resin planter with drainage plug, upgrade any houseplant!

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------|--------------|--------|----------|
| 81792368 | 4.7" Gray | 404CP24D-352 | 24/24 | National |
| 81792370 | 4.7" Sand | 404CP24D-586 | 24/24 | National |
| 81792366 | 4.7" Cast | 404CP24D-060 | 24/24 | National |



Tilden Self Watering Pots

6" self watering features a total of five pots (2 white 2 gray 1 teal). Pricing per set.

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------|----------------|--------|----------|
| 81792344 | 6"- 5 colors | 10106CP5D-000V | 1/1 | National |
| 81792342 | 8",10", & 12"- White | 10111D-622V | 1/1 | National |



Corinthian Collection

Bowl: Drainage hole
Trough: Removable drainage plug
Round: Drainage holes

| Item # | Desc | Vendor | CS/UOS | Location |
|--------|------|--------|--------|----------|
|--------|------|--------|--------|----------|

BOWL

| | | | | |
|----------|------------------------------|--------------|-------|----------|
| 81791047 | 12" Bowl Cast Iron | 9478D-059 | 12/12 | National |
| 81791046 | 12" Bowl Cast Concrete | 9478D-060 | 12/12 | National |
| 81791165 | 12" Bowl Oil Rubbed Copper | 2/9478/1-097 | 12/12 | National |

ROUND

| | | | | |
|----------|-------------------------------|---------------|-------|----------|
| 81792017 | 8" Round Cast Concrete | 9408CP28D-060 | 28/28 | National |
| 81792071 | 8" Round Oil Rubbed Copper | 9408CP28D-238 | 28/28 | National |
| 81792019 | 8" Round Storm | 9408CP28D-515 | 28/28 | National |
| 81792199 | 8" Round Slate Blue | 9408CP28D-597 | 28/28 | West |
| 81792018 | 8" Round Desert | 9408CP28D-514 | 28/28 | West |
| 81791727 | 10" Round Storm | 9411D-515 | 28/28 | National |
| 81791724 | 10" Round Cast Concrete | 9411CP28D-060 | 28/28 | National |
| 81792072 | 10" Round Oil Rubbed Copper | 9411CP28D-238 | 28/28 | National |
| 81792210 | 10" Round Slate Blue | 9411CP28D-597 | 28/28 | West |
| 81791725 | 10" Round Desert | 9411CP28D-514 | 28/28 | West |
| 81791731 | 13" Round Storm | 9413-515 CP | 20/20 | National |
| 81791728 | 13" Round Cast Concrete | 9413CP20D-060 | 20/20 | National |
| 81792073 | 13" Round Oil Rubbed Copper | 9413CP20D-238 | 20/20 | National |
| 81791729 | 13" Round Desert | 9413CP20D-514 | 20/20 | West |

TROUGH

| | | | | |
|----------|--------------------------------|---------------|-------|----------|
| 81791735 | 10" Trough Storm | 9410-515 CP | 36/36 | National |
| 81791732 | 10" Trough Cast Concrete | 9410-060 CP | 36/36 | National |
| 81792212 | 10" Trough Slate Blue | 9410CP36D-597 | 36/36 | West |
| 81791733 | 10" Trough Desert | 9410CP36D-514 | 36/36 | West |
| 81792076 | 18" Trough Storm | 9418CP36D-515 | 36/36 | National |
| 81792074 | 18" Trough Cast Concrete | 9418CP36D-060 | 36/36 | National |
| 81792077 | 18" Trough Oil Rubbed Copper | 9418CP36D-238 | 36/36 | National |
| 81792075 | 18" Trough Desert | 9418CP36D-514 | 36/36 | West |
| 81792223 | 18" Trough Slate Blue | 9418CP36D-597 | 36/36 | West |

Capello Planter

6" Capello resin hanging basket with saucer and hanger. Perfect for dropping in succulents or houseplants. Hanging basket opening diameter 6.69" x 4.53" high. Comes with 18" braided hanger and snap on saucer. Holds .48gal soil volume. Choose from Sandstone, Star White, Black or Antique Copper.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------------------------|------------------|--------|----------|
| 81792240 | 6" Star White | 2001MS6D-340PHNG | 50/50 | National |
| 81792262 | 6"-Antique Copper w/ black hanger | 2001MS6D-174PHNG | 50/50 | National |

Vogue Planter

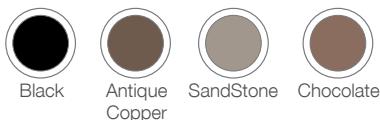
A lightweight planter with striking finishes makes the Vogue a true gardener's solution. Indoor or outdoor use - weather resistant - UV coated finish protects color from fading. Delivered without drainage holes, if needed, holes are easily drilled in bottom of planter. Lightweight yet durable construction.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|----------|--------|----------|
| 81791510 | 8" Willow Green | 807-187R | 12/12 | National |
| 81792305 | 8" Stark White | 807-405S | 12/12 | National |



Terranova Cylinder



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------|-----------------|-----------|----------|
| 81792586 | 8" Black | TN8CP24D-001P | 24/24 | National |
| 81792587 | 8" Sand Stone | TN8CP24D-045P | 24/24 | National |
| 81792568 | 10" Black | TN10CP20D-001P | 20/20 | National |
| 81792570 | 10" Antique Copper | TN10CP20D-174PB | 20/20 | National |
| 81792569 | 10" Sand Stone | TN10CP20D-045P | 20/20 | National |
| 81792454 | 10" Black Bowl | TNB10HPD-001P | 2300/2300 | National |
| 81792575 | 12" Black | TN12CP24D-001P | 24/24 | National |
| 81791943 | 12" Chocolate | TN12D-002P CP | 250/250 | National |
| 81792450 | 12" Antique Copper | TN12CP58D-174PB | 58/58 | East |
| 81792577 | 12" Antique Copper | TN12CP24D-174PB | 24/24 | National |
| 81792576 | 12" Sand Stone | TN12CP24D-045P | 24/24 | National |
| 81791947 | 12" Antique Copper | TN12D-174PB CP | 250/250 | National |
| 81791960 | 14" Black | TN14D-001P | 1680/1680 | National |
| 81791954 | 14" Black | TN14D-001P CP | 250/250 | National |
| 81791959 | 14" Antique Copper | TN14D-174PB CP | 250/250 | National |
| 81791965 | 14" Antique Copper | TN14D-174PB | 1680/1680 | National |
| 81791957 | 14" Sand Stone | TN14D-045P CP | 250/250 | National |
| 81791963 | 14" Sand Stone | TN14D-045P | 1680/1680 | National |



Alena Collection Weathered design

9": 8.9"x8.9"x6.25" | 12": 12"x12"x8.5"

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------|----------------|--------|----------|
| 81791761 | 9" Enamel | 10509D-532 CP | 26/26 | National |
| 81791760 | 9" Galvanized | 10509D-531 CP | 26/26 | National |
| 81791861 | 9" Copper | 10509D-377R CP | 26/26 | National |

Greenwich Urn

Resin Urns - bottoms screw on and off for easy storage. Pre-drilled drainage hole with one inch water reservoir. 16"x16"x18" with drainage.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|-------------|--------|----------|
| 81792604 | Textured Granite | 39451D-922R | 6/6 | National |
| 81792603 | Fossil Matte | 39451D-459R | 6/6 | National |

Bellina Planter



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------|-----------|--------|----------|
| 81791075 | 8" Fossil | 50D-039T | 50/50 | National |
| 81791038 | 12" Metallic Red | 555D-098M | 24/24 | National |



Honeysuckle Planters

Resin planters with drainage.
13" Opening diameter - 10 1/2" height Volume 3.6 gal
15" Opening diameter - 12 1/4" height 5.6 gal

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------|-----------|--------|----------|
| 81791099 | 13" Fossil | 554D-039T | 48/48 | National |
| 81791104 | 13" Blue Jean | 554D-252R | 48/48 | National |
| 81791605 | 15" Fossil | 553D-039T | 20/20 | East |
| 81791091 | 15" Fossil | 553D-039T | 24/24 | East |
| 81791093 | 15" Stone | 553D-120T | 24/24 | National |
| 81791096 | 15" Blue Jean | 553D-252R | 24/24 | National |
| 81792115 | 15" Tequila Sunrise | 553D-245R | 24/24 | National |
| 81792117 | 15" Distressed Copper | 553D-245R | 24/24 | National |
| 81791630 | 15" Vanilla | 553D-290S | 24/24 | National |



Haverhill Planters

| Item # | Desc | Vendor | CS/UOS | Location |
|----------------|---|-------------------|--------|-----------------|
| PLANTER | | | | |
| 81791145 | 12" Antique Copper | FM1403CP30D-174PB | 30/30 | National |
| 81792293 | 12" Hanging Basket w/18" Hanger- Antique Copper | FM1412CP42D-174PB | 42/42 | National |
| BOWL | | | | |
| 81791139 | 12" Soap Stone | FM1402CP30D | 30/30 | National |

Verona Planters

Step up your plantings with these beautiful resin containers. 11" Hanging Basket comes with hanger and water disk, holds 1.8 gal 11" Round with drainage holds 2.2 gal 10" Square with drainage holds 2.4 gal.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------------------------|-------------|--------|-------------|
| 81792384 | 11" Hanging Basket Antique Copper | 1420D-174PB | 30/30 | East |

Nantucket Planter

Classic basket weave planter is made of durable resin construction and has drainage holes. Weather resistant, UV coated finish protects color from fading.



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------|-------------|--------|-----------------|
| 81791352 | 8" Russet | 34208D-408R | 20/20 | National |
| 81791353 | 8" Harbor Gray | 34208D-409R | 20/20 | National |
| 81791354 | 10" Russet | 34210D-408R | 20/20 | National |
| 81791355 | 10" Harbor Gray | 34210D-409R | 20/20 | National |
| 81791356 | 12" Russet | 34212D-408R | 12/12 | National |
| 81791357 | 12" Harbor Gray | 34212D-409R | 12/12 | National |

Spartan Eco Cast Urn



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-----------------------|----------|--------|-----------------|
| 81791048 | 12" Cast Concrete | 568D-060 | 10/10 | National |
| 81791049 | 12" Cast Iron | 568D-059 | 10/10 | National |
| 81791050 | 12"-Oil Rubbed Bronze | 568D-238 | 10/10 | National |

Patina Copper

Weathered Copper

Indigo

Earth



Shaina Planter 15"

Great for drop ins! No drainage

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|------------|--------|-----------------|
| 81791445 | Patina Copper | 8005D-378R | 12/12 | National |
| 81791443 | Weathered Copper | 8005D-377R | 12/12 | National |
| 81791444 | Indigo | 8005D-375R | 12/12 | National |
| 81791447 | Earth | 8005D-188T | 12/12 | National |

Indigo

Weathered Copper

White



Rosie Bowl with Saucer 10"

10" L x 10" W x 5" H

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|------------------|------------|--------|-----------------|
| 81791439 | Weathered Copper | 9010D-377R | 12/12 | National |
| 81791438 | Indigo | 9010D-375R | 12/12 | National |
| 81791435 | White | 9010D-4055 | 12/12 | National |



Dorado Bowl



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------|-----------------|--------|----------|
| 81792506 | 12" Shadow Grey | 1612CP40D-653P | 40/40 | National |
| 81792504 | 12" Antique Copper | 1612CP40D-174PB | 40/40 | National |
| 81792515 | 14" Shadow Grey | 1620CP29D-653P | 29/29 | National |
| 81792512 | 14" Antique Copper | 1620CP29D-174PB | 29/29 | National |
| 81792513 | 14" Antique Copper | 1620CP29D-174PB | 29/29 | National |
| 81792531 | 17" Shadow Grey | 615D-653P | 32/32 | National |



Cachepot Hanging Tray

5" x 4.13"

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------|-------------|--------|----------|
| 81792559 | 8 Count Mixed Tray | K90097P-396 | 8/8 | National |



Happy Face Tray

6.5" x 5.71"

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------|-------------|--------|----------|
| 81792560 | 6 Count Mixed Tray | K90099P-089 | 6/6 | National |



Animal Tray

4.13" x 3.74"

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---------------------|-------------|--------|----------|
| 81792561 | 12 Count Mixed Tray | K90100P-000 | 12/12 | National |

ROUND PLANTER



Cloud Grey



Aqua



Distressed Copper

HANGING PLANTER



Cloud Grey



Aqua



Distressed Copper

TALL PLANTER



Cloud Grey



Aqua



Distressed Copper

Flair Planter

| Item # | Desc | Vendor | CS/UOS | Location |
|--------|------|--------|--------|----------|
|--------|------|--------|--------|----------|

ROUND PLANTER

| | | | | |
|----------|-------------------------|------------------|-------|----------|
| 81792485 | 13" Cloud Grey | 1013CP18D-877R | 18/18 | National |
| 81792484 | 13" Aqua | 1013CP18D-735R | 18/18 | National |
| 81792483 | 13" Distressed Copper | 1013CP18D-183R | 18/18 | National |
| 81792491 | 18" Cloud Grey | 1018CP9D-877R | 9/9 | National |
| 81792490 | 18" Aqua | 1018CP9D-735R | 9/9 | National |
| 81792489 | 18" Distressed Copper | 1018CP9D-183R | 9/9 | National |
| 81792554 | 22" Cloud Grey | HD11029CP5D-877R | 5/5 | National |
| 81792553 | 22" Aqua | HD11029CP5D-735R | 5/5 | National |
| 81792552 | 22" Distressed Copper | HD11029CP5D-183R | 5/5 | National |

HANGING PLANTER

| | | | | |
|----------|-------------------------------------|----------------|-------|----------|
| 81792488 | 14" Cloud Grey with Hanger | 1014CP24D-877R | 24/24 | National |
| 81792487 | 14" Aqua with Hanger | 1014CP24D-735R | 24/24 | National |
| 81792486 | 14" Distressed Copper with Hanger | 1014CP24D-183R | 24/24 | National |

TALL PLANTER

| | | | | |
|----------|-------------------------|---------------|-----|----------|
| 81792494 | 16" Cloud Grey | 1031CP7D-877R | 7/7 | National |
| 81792493 | 16" Aqua | 1031CP7D-735R | 7/7 | National |
| 81792492 | 16" Distressed Copper | 1031CP7D-183R | 7/7 | National |

SUTTON PARK COLLECTION

Elegant design | Pre-drilled holes allow for drainage.



| Item # | Desc | Vendor | CS/UOS | Location |
|--------|------|--------|--------|----------|
|--------|------|--------|--------|----------|

WINDOW BOX

| | | | | |
|----------|-------------------------|-------------|-------|----------|
| 81791316 | 15" Oil Rubbed Copper | 6004D-164PB | 44/44 | National |
| 81791315 | 15" Slate | 6004D-287PB | 44/44 | National |

SQUARE

| | | | | |
|----------|-------------------------|-------------|-------|----------|
| 81791296 | 7" Oil Rubbed Copper | 7010D-164PB | 34/34 | National |
| 81791295 | 7" Slate | 7010D-287PB | 34/34 | National |
| 81791300 | 10" Oil Rubbed Copper | 3006D-164PB | 28/28 | National |
| 81791299 | 10" Slate | 3006D-287PB | 28/28 | National |

BOWL

| | | | | |
|----------|-------------------------|-------------|-------|----------|
| 81791312 | 11" Oil Rubbed Copper | 6002D-164PB | 64/64 | National |
| 81791311 | 11" Slate | 6002D-287PB | 64/64 | National |

HANGING BASKET -come with a water saving disc and hanger

| | | | | |
|----------|-------------------------|-----------------|-------|----------|
| 81791288 | 11" Oil Rubbed Copper | 6003D-164PB | 38/38 | National |
| 81791287 | 11" Slate | 6003D-287PB | 38/38 | National |
| 81792361 | 13" Oil Rubbed Copper | 6005CP54D-164PB | 54/54 | National |
| 81792363 | 13" Slate | 6005CP54D-287PB | 54/54 | National |

Moroccan Bowl

Resin planter with drainage plug.
7" x 2 3/4"
10" x 4"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------|-------------|--------|----------|
| 81792078 | 7" Cast Concrete | 577D-060 | 50/50 | National |
| 81792079 | 7" Oil Rubbed Bronze | 577D-097 | 50/50 | National |
| 81792081 | 7" Storm | 577D-515 | 50/50 | National |
| 81791740 | 10" Cast Concrete | 572D-060 CP | 20/20 | National |
| 81791741 | 10" Oil Rubbed Bronze | 572D-097 CP | 20/20 | National |
| 81791743 | 10" Storm | 572D-515 CP | 20/20 | National |

ROUND

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|--------------------------------|------------------|--------|----------|
| 81791292 | 7" Oil Rubbed Copper | 90008D-164PB | 34/34 | National |
| 81791291 | 7" Slate | 90008D-287PB | 34/34 | National |
| 81791324 | 8.5" Oil Rubbed Copper | 90004D-164PB | 40/40 | National |
| 81791323 | 8.5" Slate | 90004D-287PB | 40/40 | National |
| 81791303 | 11" Slate | 3004D-287PB | 38/38 | National |
| 81791304 | 11" Oil Rubbed Copper | 3004CP38D-164PB | 38/38 | National |
| 81791330 | 12" Chocolate w/cage | 90005D-002P | 38/38 | National |
| 81791332 | 12" Oil Rubbed Copper w/cage | 90005D-164PB | 38/38 | National |
| 81791331 | 12" Slate | 90005CP38D-287PB | 38/38 | National |
| 81791536 | 12" Verde Stone w/cage | 90005CP38D-036PB | 38/38 | National |
| 81791308 | 13" Oil Rubbed Copper | 1403CP30D-164PB | 30/30 | National |
| 81791307 | 13" Slate | 1403D-287PB | 30/30 | National |



Devoncourt Planters

Resin planters with drainage 11" hanging basket comes with hanger and water disc - holds 1.8 gal volume.
11" round holds 2.2 gal, 10" square holds 2.4 gal

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------------|-------------|--------|----------|
| 81792128 | 11" HB Antique Copper | 1400D-173PB | 30/30 | National |
| 81792130 | 10" Sq Antique Pewter | 1402D-173PB | 20/20 | National |
| 81792242 | 20" Window Box Antique Copper | 1405D-174PB | 24/24 | National |
| 81791060 | 11" Round Antique Pewter | 1404D-173PB | 24/24 | National |



ACACIA WOOD COLLECTION



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|---|---------|--------|----------|
| 81791711 | Trellis Planter 13.8"x13.8"x15.3"x45.7" | 160014 | 1/1 | National |
| 81791712 | 1/2 Barrel Planter 19.7"x13.8"x7.5" 15"x11.8"x6.7" | 160015 | 1/1 | National |
| 81791713 | Oval Planter 18.1"x10.2"x9.5" 15.4"x8.3"x8.3" | 140011 | 1/1 | National |
| 81791009 | Barrel Trio Sold As Set Of 3; SM: 11.38"x7"H; MED: 12.88"x8.38"H; L: 15.63"x9.63H | 5/800/3 | 1/1 | National |
| 81791714 | 21" Barrel Planter 20.9"x20.9"x12.6" | 110024 | 4/4 | National |
| 81791715 | 16" Barrel Planter 15.7"x15.7"x9.5" | 110025 | 6/6 | National |



Jameson Deck Rail Planters

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------------------|------------|--------|----------|
| 81791361 | 15" Oak Round | 1072D-265R | 18/18 | National |
| 81791362 | 24" Oak Window Box | 1073D-265R | 12/12 | National |



Distressed Barrel Planters

| Item # | Desc | Vendor | CS/UOS | Location |
|----------|-------------------------|-------------|---------|----------|
| 81791351 | 6" Chestnut | 34906D-407R | 120/120 | National |
| 81791888 | 8" Chestnut | 34908D-407R | 80/80 | National |
| 81790010 | 9" Oak | S74D-265R | 30/30 | National |
| 81791902 | 9" Kentucky Walnut | S74D-037R | 30/30 | National |
| 81790011 | 15" Oak | S72D-265R | 18/18 | National |
| 81791892 | 15" Kentucky Walnut | S72D-037R | 18/18 | National |
| 81790012 | 20.5" Oak | S1027D-265R | 10/10 | National |
| 81792285 | 20.5" Kentucky Walnut | S1027D-037R | 10/10 | National |

Square Plant Stands

8.3" x 19.7"
9.8" x 23.6"
11.4 x 27.6"



| Item # | Desc | Vendor | CS/UOS | Location |
|----------|----------|----------|--------|----------|
| 81792526 | Set of 3 | 42005-GY | 1/1 | National |



Coco Hanging Baskets

| Item | Description | Weight Limits - LBS | Qty/cs |
|---------|--|---------------------|--------|
| 58-3010 | Coco 12.0 Black Hanging Basket w/latex liner + wire hanger | 27 LBS | 24 |
| 58-3001 | Coco 14.0 Black Hanging Basket w/latex liner + wire hanger | 33 LBS | 24 |
| 58-3003 | Coco 16.0 Black Hanging Basket w/latex liner + wire hanger | 37 LBS | 18 |
| 58-3007 | Coco 20.0 Black Hanging Basket w/latex liner + wire hanger | 44 LBS | 12 |
| 58-3017 | Coco replacement liner for 12.0 basket | | 24 |
| 58-3033 | Coco 20" White 3-Strand hanger for 12" or 14" coco HB | | 25 |
| 58-3037 | Coco 24" White 3-strand chain for 16" or 20" coco HB | | 25 |





Wire Hanging Basket (A)

| Item | Model | Liner | Qty/cs |
|----------|--------------|-------|--------|
| 51-90127 | 10" #400-J10 | 401-K | 12 |
| 51-90107 | 12" #400-J12 | 401-A | 12 |
| 51-90104 | 14" #400-J14 | 401-G | 12 |
| 51-90108 | 16" #400-J16 | 401-B | 12 |
| 51-15066 | 18" #400-J18 | 401-C | 12 |
| 51-15074 | 22" #400-J22 | 401-J | 12 |

Each item includes hanging baskets and green plastic liners.
Hangers sold separately.

Sturdy Hooks For Hanging Baskets (B-E)

| Item | Description | Qty/cs |
|-------------------------------------|---|--------|
| Open Hook Wire Hangers (B) | | |
| 51-90102 | 18" 3-Strand (400-HK18) for 10-12" basket | 12 |
| 51-90109 | 22" 3-Strand (#400-HK22) for 14-16" basket | 12 |
| 51-25026 | 26" (400-HK26) for 18" basket | 12 |
| Closed Hook Wire Hangers (C) | | |
| 51-15005 | Closed Hook Hanger (400-LP26) for 18" & 22" | 12 |
| 51-90103 | Closed Hook Hanger (400-LP22) for 10,12,14,16" | 12 |
| Chain (D) | | |
| 51-24026 | Black Hanger 26" 4-Strand #400-HK26PN | 12 |
| 51-24126 | Galvanized Hanger 25" Chain 4-strands #400-CH25 | 12 |
| Extension S Hooks (E) | | |
| 51-15014 | 4" Extension S-Hooks - 7 Gauge 402-E03 | 100 |
| 51-4612 | 12" Extension S-Hooks - 9 Gauge 402-E12 | 50 |
| 51-4618 | 18" Extension S-Hooks - 9 Gauge 402-E18 | 50 |
| 51-4624 | 24" Extension S-Hooks - 9 Gauge 402-E24 | 50 |
| 51-4630 | 30" Extension S-Hooks - 9 Gauge 402-E30 | 50 |
| 51-4636 | 36" Extension S-Hooks - 9 Gauge 402-E36 | 50 |
| 51-4648 | 48" Extension S-Hooks - 9 Gauge 402-E48 | 50 |



Half Cone (F)

| Item | Model | Qty/cs |
|----------|-------------------------|--------|
| 51-90174 | 14" Half Basket #750-60 | 12 |

Half Basket and Flower Box

| Item | Model | Liner | Qty/cs |
|--------------------|--------------|-------|--------|
| Half Basket | | | |
| 51-35046 | 12" #405-D12 | 401-K | 12 |
| 51-35154 | 14" #405-D14 | 401-A | 12 |
| 51-35162 | 16" #405-D16 | 401-G | 12 |
| Flower Box | | | |
| 51-25112 | 12" #404-B12 | 401-A | 6 |
| 51-25124 | 24" #404-B24 | 401-D | 6 |
| 51-25130 | 30" #404-B30 | 401-F | 6 |
| 51-25136 | 36" #404-B36 | 401-E | 6 |

Each item includes baskets and green plastic liners

Coco Terro Liners

| Item | Description | Qty/cs |
|----------|---------------------|--------|
| 51-14012 | 12.0 Cocomoss Liner | 12 |
| 51-90110 | 14.0 Cocomoss Liner | 12 |
| 51-90106 | 16.0 Cocomoss Liner | 12 |
| 51-90101 | 18.0 Cocomoss Liner | 12 |
| 51-14023 | 22.0 Cocomoss Liner | 12 |
| 51-90126 | 24.0 Cocomoss Liner | 12 |

Wire Hanging Basket Replacement Liners

| Item | Model | Qty/cs |
|----------|----------------------------|--------|
| 51-00012 | #401-A Green Plastic Liner | 24 |
| 51-00014 | #401-G Green Plastic Liner | 24 |
| 51-00016 | #401-B Green Plastic Liner | 24 |
| 51-00018 | #401-C Green Plastic Liner | 24 |
| 51-00020 | #401-D Green Plastic Liner | 24 |
| 51-00022 | #401-E Green Plastic Liner | 24 |
| 51-00024 | #401-F Green Plastic Liner | 24 |
| 51-00028 | #401-H Green Plastic Liner | 24 |
| 51-00026 | #401-J Green Plastic Liner | 24 |
| 51-00027 | #401-K Green Plastic Liner | 24 |



Plastic Banana
Leaf & Rattan
Round Hanging Cone



Plastic Banana
Leaf & Rattan
Star Hanging Cone

| Item | Size / Description | Qty/cs |
|--|-------------------------------------|--------|
| Plastic Banana Leaf & Rattan | | |
| 84-PL2904SH | 11" Round Floor Planter with Handle | 15 |
| 84-PL220414 | 14" Round Hanging Cone | 15 |
| 84-PL230414 | 14" Square Hanging Cone | 15 |
| 84-PL210414 | 14" Round Hanging Basket | 20 |
| 84-PL210414 | 16" Star Hanging Cone | 10 |
| Plastic Banana Leaf Rope & Maize Rope | | |
| 84-PL250314 | 14" Hive Hanging Cone | 15 |
| 84-S1708 | 14" Wall Planter | 15 |
| 84-PL220312 | 12" Round Hanging Cone | 15 |
| 84-PL250314 | 14" Round Hanging Cone | 15 |
| 84-PL220314 | 14" Plastic Hanging Cone | 15 |
| 84-PL2603 | 16" Hanging Star Cone | 10 |
| Banana Leaf Rope & Maize Rope | | |
| 84-1701 | 16" Wall Planter | 15 |
| 84-21013H | 14" Oval Planter with Handle | 15 |

*Hanging Baskets and Cones come with wire hanger. Hanging Orders must be booked by September 30th to guarantee availability.



Banana Leaf &
Maize Rope





Plastic Rattan



84-PL20514-14



84-PL120214



84-PL110314

Random Woven



84-120814



84-1108F12
84-1108F14



84-S1708

| Item | Size / Description | Qty/cs |
|-----------------------|---|--------|
| Random Woven | | |
| 84-1108F12 | 12" Square Hanging Basket | 20 |
| 84-1108F14 | 14" Square Hanging Basket | 20 |
| 84-130814 | 14" Square Cone | 15 |
| 84-120814 | 14" Round Cone | 15 |
| 84-S1708 | 14" Wall Planter Wire Decor | 10 |
| 84-11208 | 24" Floor Trough | 12 |
| 84-1808H | 13" Square Floor Planter with Handle | 10 |
| 84-1908A | 14" Round Floor Planter | 10 |
| Plastic Rattan | | |
| 84-PL20316-12 | 12.0 Round Hanging Cone - Bicolor | 15 |
| 84-PL20514-14 | 14.0 Round Hanging Cone - Beehive | 15 |
| 84-PL20214-14 | 14.0 Round Hanging Cone - Bicolor | 15 |
| 84-PL120214 | 14.0 Round Hanging Cone - Black/Brown/Grey | 15 |
| 84-PL121014 | 14.0 Round Hanging Cone - White/Grey | 15 |
| 84-PL1020614 | 14.0 Round Hanging Cone - Tri-color | 15 |
| 84-PL110514 | 14.0 Round Hanging Basket - Black/Brown | 20 |
| 84-PL110914 | 14.0 Round Hanging Basket - Black/Grey | 20 |
| 84-PL110314 | 14.0 Round Hanging Basket - Black/White/Brown | 20 |
| 84-PL110414 | 14.0 Round Hanging Basket - Black/Grey/White | 20 |

Hanging Baskets include wire hanger.
Orders must be booked by September 30th to guarantee availability.





Plastic Brushwood and Maize Rope

Square Hanging Cone, Round Hanging Basket, and Round Hanging Cone

Plastic Palm Leaf Rope and Fern

Round Hanging Cone



| Item | Size | Qty/cs |
|--|------------------------------|--------|
| Plastic Brushwood & Maize Rope | | |
| 84-PL220514 | 14" Round Hanging Cone | 15 |
| 84-PL210514 | 14" Round Hanging Basket | 20 |
| 84-PL2305141 | 14" Square Hanging Cone | 15 |
| 84-PL250512 | 12" Hive Hanging Cone | 15 |
| Plastic Palm Leaf Rope & Maize Rope | | |
| 84-PL220114 | 14" Round Hanging Cone | 15 |
| 84-PL230112 | 12" Square Hanging Cone | 15 |
| 84-PL250114 | 14" Hive Hanging Cone | 15 |
| Plastic Palm Leaf Rope & Fern | | |
| 84-PL220212 | 12" Hanging Cone | 15 |
| 84-S2502E | 13" Beehive Cone | 10 |
| 84-PL2102F14 | 14" Square Hanging Basket | 20 |
| Palm Leaf Rope & Fern | | |
| 84-21002H | 14" Oval Planter with Handle | 15 |
| Plastic Palm Leaf & Twig | | |
| 84-PL21013H | 14" Oval Planter with Handle | 15 |
| Plastic Maize Rope & Fern | | |
| 84-PL250212 | 12" Hive Hanging Cone | 15 |

*Hanging Baskets and Cones come with wire hanger.
Orders must be booked by September 30th to guarantee availability.



Black Rattan
Round Hanging Basket



Black Rattan
Round Hanging Cone



| Item | Size | Qty/cs |
|---------------------|---|--------|
| Black Rattan | | |
| 84-120114 | 14" Round Hanging Cone | 20 |
| 84-110112 | 12" Round Hanging Basket | 24 |
| 84-120112 | 12" Black Rattan Round Hanging Cone w/ wire stand and hanger | 20 |
| 84-1901W | 12" Black Rattan Welcome Floor Planter | 10 |
| 84-110114 | 14" Black Rattan Round Hanging Basket w/Wire Hanger | 24 |
| 84-1701 | 16" Black Rattan Wall Planter | 15 |
| 84-110116 | 16" Round Hanging Basket | 24 |
| 84-120116 | 16" Round Hanging Cone | 20 |

*Hanging Baskets and Cones come with wire hanger.
Orders must be booked by September 30th to guarantee availability.



Brushwood & Green Moss Square Hanging Cone

Brushwood & Fern Wall Planter



Plastic Brushwood and Palm Leaf Wall Planter



Sphagnum Moss

| Item | Size | Qty/cs |
|--|----------------------------------|--------|
| Brushwood & Green Moss | | |
| 84-2308A14 | 14" Square Hanging Cone | 15 |
| 84-2208A14 | 14" Round Hanging Cone | 15 |
| Brushwood & Fern | | |
| 84-230912 | 12" Square Hanging Cone | 15 |
| 84-2709 | 14" Wall Planter | 15 |
| 84-21009H | 14" Oval Planter with Handle | 15 |
| Plastic Brushwood & Palm Leaf | | |
| 84-PL22101 | 12" Round Hanging Cone | 15 |
| 84-PL261010 | 16" Star Hanging Cone | 10 |
| 84-PLS2710 | 14" Wall Planter with Wire Decor | 10 |
| Sphagnum Moss | | |
| 84-110514 | 14" Round Hanging Basket | 15 |
| 84-1705 | 14" Wall Planter | 10 |
| 84-110516 | 16" Round Hanging Basket | 12 |

*Hanging Baskets and Cones come with wire hanger.
Orders must be booked by September 30th to guarantee availability.



Plant Best Coco Coir Pots

| Item | Description | Qty | Tray |
|----------|---|------|---|
| 81910021 | Plant Best 3.25" Biodegradable Coco Coir Pot Bulk (A) | 1540 | HC Companies - MPB06355 |
| 81910022 | Plant Best 4.25" Biodegradable Coco Coir Pot Bulk (B) | 1032 | HC Companies - TRS10400, TCR10400, TCR15400, TRS14400, TCR06400, TRS06400, TRS08400, TRS15400, TRS15409, FCT12000 |
| 81910023 | Plant Best 4.00" Tall Biodegradable CocoCoir Pot Blk | 1344 | HC Companies - TRS101P, TIS40101, TRS101P |
| 81910026 | Plant Best 5.00" Biodegradable Coco Coir Pot Bulk | 320 | HC Companies - TRS08500, TCA08502 |
| 81910031 | Plant Best 4.25" Sq. Biodegradable Coc Coir Pot Blk | 600 | HC Companies - TRK10450, TRK12450 |
| 81910133 | Plant Best 1 Gallon Fiber Grow Coir Round Pot (C) | 264 | HC Companies - TRS06170, TRPTGAL0, TCW03SG0 |
| 81910047 | Plant Best 6" Vented High Dome (10x20) (D) | 18 | Most 10x20 Trays from any manufacturer |

Wooden Bushel Baskets

Treated and Untreated

The baskets come in four sizes: bushel, half bushel, peck, and half peck. The bushel and half bushel baskets come with handles.

These baskets are an inexpensive way to add profits to your plant sales. They have traditionally been used for fall mums, but they also lend to very attractive combination planters and patio planters.

Please remember that untreated baskets need to be grown off the ground to ensure that the bottoms do not rot out under long crop conditions like mums. We find most growers transfer the field mums to the baskets before shipping.



Bushel Basket with Handles



Peck Basket



½ Peck Basket



½ Bushel Basket with Handles

| Item | Description |
|-------------|-------------------------------------|
| 59-2200 | Bushel Basket W/Handles (32 Qt) - |
| 59-2202 | ½ Bushel Basket W/Handles (16 Qt) - |
| 59-2205 | Peck Basket (8 Qt) - |
| 59-2208 | ½ Peck Basket (4 Qt) - |
| 95-RB04016T | ½ Bushel Basket W/Handles - |
| 95-RB04032T | Bushel Basket W/Handles - |

As with all wood products, to extend the life of wood avoid constant contact with water. Proper air circulation, elevated surfaces and drainage will help extend life. Do not set baskets on bare ground - set on stone or ground cover.



EcoGrow™

100% Biodegradable & Compostable Container

EcoGrow fiber planting containers breathe like clay pots, provide an optimal environment for root systems, break down quickly when planted or worked into the soil, and are suitable for organic farming. In addition, they are certified by the USDA Biopreferred® program as being manufactured of 100% Biobased Content. EcoGrow fiber planting containers are produced in Canada's closed-loop water recycling facility using recycled newsprint and corrugated fibers.

| Item | Description | Outside Diameter | Height | Liquid Volume | Tray Type | Compatible Tray | Qty/cs |
|----------|-----------------------------|------------------|--------|---------------|-----------|--|--------|
| 58-10350 | 3.50 Standard | 3.50" | 3.25" | 9.30 oz | Plastic | TCR12350 | 720 |
| 58-10377 | 3.75 Standard | 3.88" | 3.38" | 12.4 oz | Fiber | FCT10400 | 625 |
| 58-10401 | 4.00 Standard | 4.00" | 3.50" | 14.4 oz | Plastic | TCR10406 | 625 |
| 58-10450 | 4.5 Geranium | 4.50" | 3.75" | 1.27 pt | Plastic | TRS10450, TCA08503, TCA08550, TCA08551 | 322 |
| 58-10500 | 5.00 Azalea | 5.00" | 3.62" | 1.48 pt | Plastic | TCA08500 | 336 |
| 58-10510 | 5.0 Standard | 5.00" | 4.75" | 1.92 pt | Plastic | TRS08510, TCA06600 | 272 |
| 58-10600 | 6.00 Azalea | 6.00" | 4.25" | 1.32 qt. | Plastic | | 156 |
| 58-10427 | 4.25 Standard Organic Round | 4.25" | 3.62" | 1.13 pt | Plastic | TCG10430 | 500 |

FiberGrow® Paks

North America's No. 1 fiber pak!

- De-nest quickly
- Breathe like clay
- Forgive overwatering
- No sharp edges
- Insulate roots

| Item | Description | Qty/cs |
|---------|------------------------------|--------|
| 57-1030 | 128 RCP 5½" x 5" x 2¼" | 500 |
| 57-1045 | 135 RCP 6¾" x 5½" x 2¼" | 500 |
| 57-1050 | 136D 6¾" x 5½" x 3" | 300 |
| 57-1070 | 144 RCP 7½" x 5½" x 2¼" | 250 |
| 57-1075 | 148 RCP 8" x 6¼" x 3" | 250 |
| 57-1080 | 157 RCP 8½" x 6¼" x 2¼" | 200 |
| 57-1085 | 160 RCP 10¼" x 6¼" x 3" | 200 |
| 57-1095 | 1120 Flat RCP 12" x 10" x 3" | 100 |



FiberGrow® Pak Strips

FiberGrow® is Better

Automatic: These rugged strips come out of the carton easily and run through a flat filler perfectly. They separate quickly with no sharp corners. The KF Series fits 11" x 2" standard flat.

Specialty Strips: The S144 strip fits the 144 plastic carrier and the NC 142 fits the NC 142 Carrier, listed on page 190.

| Item | Description | Qty/cs |
|---------|------------------------------|--------|
| 57-1135 | KF601 Strip 10½" x 21" x 2½" | 50 |
| 57-1137 | KF601D Strip 10½" x 21" x 3" | 50 |
| 57-1140 | KF801 Strip 10½" x 21" x 2½" | 50 |
| 57-1145 | KF1001 10½" x 21" x 2½" | 50 |
| 57-1160 | KF 3½" Sq. Pot 18-3½" Pots | 50 |
| 57-1165 | KF 4½" Sq. Pot 8-4½" Pots | 50 |
| 57-1245 | S144 Strip 17½" x 15½" x 2½" | 50 |
| 57-1255 | NC142 Strip 15½" x 13½" x 3" | 50 |



FiberGrow® Pots

Better Quality

FiberGrow® breathes much like clay so plants are able to develop much healthier root systems because of the improved aeration. This is especially important in the winter when soil in plastic pots often remains too moist for good root development. Larger sizes available.

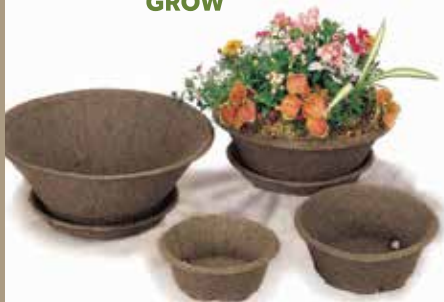
| Item | Description | Dia. x Ht. | Qty/cs |
|---------|-------------|------------|--------|
| 58-1035 | 2S44 Square | 4" x 3¾" | 400 |
| 58-1055 | 2R44 Round | 4" x 3¾" | 400 |
| 58-1060 | 2R44H Round | 4" x 3¾" | 500 |
| 58-1065 | 2R55 Round | 5" x 4¾" | 250 |
| 58-1075 | 2R65 Round | 5¾" x 5½" | 100 |



2025



FIBER
GROW



FiberGrow® Patio Planters

FiberGrow® planters are constructed with recycled paper and are durable and crush proof. These planters have an appealing natural appearance.

| Item | Vendor | Description | Qty/cs |
|---------|--------|--|--------|
| 58-1325 | SP66 | 6" Square Patio Planter | 60 |
| 58-1330 | SP99 | 10" Square Patio Planter | 40 |
| 58-1355 | HX1210 | 12" Diameter Hexagonal Patio Pot | 20 |
| 58-1370 | DX1508 | 15" x 8" Decagon Patio Planter | 20 |
| 58-1375 | PP1506 | 15" x 6" Round Patio Planter | 25 |
| 58-1380 | PP1808 | 18" x 8" Round Patio Planter | 20 |
| 58-1390 | PP1606 | 16" Rectangular Patio Planter 16" x 7½" x 5" | 24 |
| 58-1365 | GP2406 | 24" x 6" Deep Balcony Planter | 12 |
| 58-1360 | RL1209 | 12" Diameter Liner for Urns | 20 |

FiberGrow® Hanging Pots

FiberGrow® enhances customer appeal and increases profit potential. It is strongly suggested that short-term annual crops planted in soilless mix use the Grommated Hanging Baskets. Clip-on Swivel Wire assembly and hanger should be used for longer-term/heavier soil crops.

| Item | Vendor | Description | Qty/cs |
|-----------|--------|--|--------|
| 58-133512 | HB1207 | 12" Hanging Basket | 12 |
| 58-15541 | HB1409 | 14" Hanging Basket Water Saver - No Grommets | 6 |
| 58-13456 | HB1610 | 16" Hanging Basket Water Saver | 6 |

WaxTough FiberGrow® Hanging Pots

- Waxed Pots are for use in areas with high humidity and long growing seasons
- Wax fortified FiberGrow® Pots are a rich dark earth tone shade
- Full soil volume design maximizes available water capacity
- Fiber breathes like clay improving soil aeration promoting a healthy root environment
- Fiber Containers insulate roots from variations in soil temperature
- Easy to assemble and plant, they are more cost effective than moss or coco
- All grommated for hangers (hangers sold separately)

| Item | Vendor | Description | Qty/cs |
|-----------|------------|-------------------------------|--------|
| 58-145212 | FHB1000WAX | 10" WaxTough HB WG | 12 |
| 58-144812 | FHF1200WAX | 12" Floral WaxTough HB WG | 12 |
| 58-144912 | FHS1200WAX | 12" Sq. WaxTough HB WG | 12 |
| 58-145012 | FHR1200WAX | 12" Rnd. WaxTough HB WG | 12 |
| 58-14546 | FHR1400WAX | 14" Rnd. WaxTough HB WG | 6 |
| 58-1548 | FHE12000 | 12" WaxTough Beehive LX HB WG | 12 |
| 58-1552 | FHE14000 | 14" WaxTough Beehive HB WG | 6 |
| 58-14656 | FHB1800WAX | 18" WaxTough HB | 6 |

Hangers for FiberGrow® Hanging Pots

| Item | Vendor | Description | Qty/cs |
|-----------|-----------|--|--------|
| 58-1341 | FHZSA12 | 12" Wire Assembly and Hanger for HB1207 | 36 |
| 58-1555 | HB1409A | 14" Wire Assembly and Hanger for FHR14000WAX | 12 |
| 58-1350 | HB1610A | 16" Wire Assembly and Hanger for HB1610 | 12 |
| 58-145525 | HZP24LFG6 | 4-Strand Plastic Hanger | 24 |
| 58-1250 | HZSSL19 | 19.0 4-Strand Swivel Wire Hanger | 12 |
| 58-1255 | HZSSL22 | 22.0 4-Strand Heavy Duty Swivel Wire Hanger | 12 |
| 58-1437 | FHZSL4HD | 22.5" 4D Short Wire Hanger | 36 |
| 58-1343 | HB1810A | 18.0" HB1810A Assembly Hoop & Wire | 12 |

FiberGrow® Nursery Pots

Available in a wide variety of sizes suitable for container grown stock. FiberGrow® insulates roots from temperature fluctuations, breathes like clay, improves aeration and promotes a healthier root system. These natural looking pots are made with recycled paper.

- Built to take the abuse of field potting, transport, several handlings and a whole season in the retail center.
- Stackable and crushproof, the root ball remains protected during the complete cycle.
- Easy to handle and naturally attractive.



| Item | Description | Dia. x Ht. (ID.) | Qty/cs |
|-----------------------|------------------------|------------------|--------|
| 58-1125 | 3R66 .8 gal. | 6½" x 6" | 80 |
| 58-1135 | 3R67T Thinwall | 6" x 7" | 70 |
| 58-1145 | 3R77 1.1 gal. | 7½" x 7" | 70 |
| 58-1155 | 3R88 1.5 gal. | 8½" x 8¼" | 35 |
| 58-1160 | 3R89 Rose Pot | 8" x 8½" | 35 |
| 58-1165 | 3R89-T Rose Pot | 8¼" x 8½" | 40 |
| 58-1175 | 3R910 2.3 gal. | 9¼" x 9½" | 25 |
| 58-1185 | 3R1011 2.9 gal. | 10½" x 10½" | 25 |
| 58-1200 | 3R1112 3.8 gal. | 11½" x 11½" | 20 |
| 58-1215 | 3R1312 4.9 gal. | 13" x 11½" | 20 |
| 58-1230 | 3R1514 7.6 gal. | 15" x 13¼" | 15 |
| 58-1235 | 3R1815 11.8 gal. | 18½" x 14" | 10 |
| 58-1240 | 3R2014 14.9 gal. | 20" x 14" | 10 |
| Fiber Pans | | | |
| 58-1140 | 3R76 7" Pan | 7½" x 6" | 70 |
| 58-1090 | 2R86 8.5" Mum Pan | 8.75" x 5.25" | 50 |
| 58-1170 | 3R96 9" Pan | 9¼" x 6½" | 25 |
| 58-1190 | 3R1106 10.75" Pot | 10½" x 6" | 30 |
| Bulk FiberGrow | | | |
| 58-10901 | 2R86 8.5" Mum Pan Bulk | 8½" x 5¼" | 1,200 |



Greenhouse Accessories

Wire Extension Hangers

| Item | Description | Qty/cs |
|---------|---------------------------|--------|
| 51-9660 | 6" Long Extension Hanger | 100 |
| 51-9670 | 12" Long Extension Hanger | 100 |
| 51-9680 | 17" Long Extension Hanger | 100 |
| 51-9690 | 24" Long Extension Hanger | 100 |
| 51-4636 | 36" Long Extension Hanger | 50 |

Extra Purlin Pipe

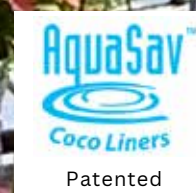
Add extra purlin pipe to give you more hanging pot space.

| Item | Description |
|---------|--|
| 02-3150 | 16' 2½" x 1.315" OD x 17 GA Swedge Purlin Pipe |



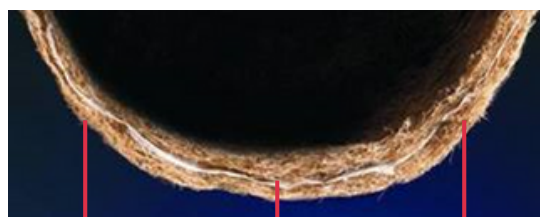
16" Living Wreath Form

| Item# | Description | Qty |
|---------|--------------------|------|
| 51-9600 | Living Wreath Form | 5/cs |



AquaSav™ Grower Coco Baskets, Planters and Accessories

How it's Built

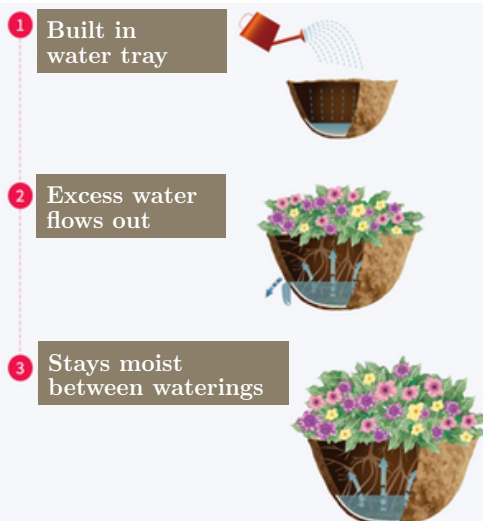


BUILT-IN WATER TRAY

2 LAYERS OF COCO FIBER

BOUND BY NATURAL LATEX

How it Works



How it Helps

- Retains Water
- Prevents Fertilizer Run Off
- Holds Nutrients for Faster Plant Growth
- Cuts Down Consumer Watering Cycle by 50%

AquaSav™ Grower Hanging Baskets with AquaSav™ Smart Coco Liners

| Item | Description | Vendor |
|-----------|--|---------|
| P5108PB | 8" Grower HB Wire Hanger Black 5108pb (Case50) | 5108PB |
| P5108PBC | 8" Wire HB Planter 2500/Crate, 5108pbc | 5108PBC |
| P5112PB | 12" Grower HB Wire Hanger Black 25/Cs 5112pb | 5112PB |
| P5112PBC | 12" Grower HB Wire Hanger Blk 1200/Crate 5112pbc | 5112PBC |
| P99250 | 12"Grower HB Plastic Hanger Black 1200/Crate 99250 | 99250 |
| P5114PB | 14" Grower HB Wire Hanger Black 25/Cs 5114pb | 5114PB |
| P5114PBC | 14" Grower HB Wire Hanger Black 800/Crate 5114pbc | 5114PBC |
| P5116PB | 16" Grower HB Wire Hanger Black 25/Cs 5116pb | 5116PB |
| P5116PBC | 16" Grower HB Wire Hanger Black 720/Crate 5116pbc | 5116PBC |
| P5118HB25 | 18" Grower HB Wire Hanger Black 5118hb 25/Case | 5118HB |
| P5118PBC | 18" Grower HB Wire Hanger Black 320/Crate 5118pbc | 5118HBC |
| P5120XB | 20" Grower HB X-Deep Chain Hanger Blk 12/Cs 5120xb | 5120XB |



5114PB

AquaSav™ Window/Deck, Patio and Wall Planters

| Item | Description | Vendor |
|--------|---|--------|
| P23145 | 14" Kensington Rnd Welcome Stand Plantr Blk 12/Cs | 36106 |
| P23146 | 14" Rnd Suva Welcome Stand Plantr Blk 12/Cs | 99212 |
| P23147 | 16" Round 51316 4x4 Post Plantr Blk 12/Cs | 51316 |

Replacement AquaSav™ Liners

| Item | Description | Vendor |
|--------|--|--------|
| PBC12 | Smart Coco Liner Fits 12" Hb 24/Cs Bc12 | BC12 |
| PBC14 | Smart Coco Liner Fits 14" Hb 24/Cs Bc14 | BC14 |
| PBC16 | Smart Coco Liner Fits 16" Hb 24/Cs Bc16 | BC16 |
| PBC18 | Smart Coco Liner Fits 18" Hb 24/Cs Bc18 | BC18 |
| PBC20X | Smart Coco Liner Fits 20" X-Deep Hb 24/Cs Bc20x | BC20X |
| PBC24X | Smart Coco Liner Fits 24" X-Deep Hb 12/Cs Bc24x | BC24X |
| P10050 | Smart Coco Liner Fits 24" Deck Plntr 12/Cs 10050 | 10050 |
| P10060 | Smart Coco Liner Fits 30" Deck Plntr 12/Cs 10060 | 10060 |
| P10070 | Smart Coco Liner Fits 36" Deck Plntr 12/ 10070 | 10070 |



36106

AquaSav™ Coco Critters

| Item | Description | Vendor | Color | Top Diameter x Height | US Liquid Volume | Qty |
|-----------|---------------------------|-----------|-------|--------------------------|---------------------|-----|
| See Below | 4.00 Drop In Coco Critter | See Below | BROWN | Varies | 1 QT | 12 |

**Cow**

81621701
Ven: 69063

**Cat**

81621703
Ven: 69071

**Bear**

81621700
Ven: 69057

**Pig**

81621699
Ven: 69062

**Elephant**

81621702
Ven: 69059



Western Pulp Product Company

Premium Quality Molded Fiber Containers

- Heavy duty design, breathable, insulating
- Best in quality since 1958
- Made in the USA from 100% recycled paper

2025

Nursery Containers

Western's Premium Molded Fiber construction yields an extremely strong, water-resistant, and durable container.

Microporous, wax permeated fiber breathes for great root growth. Designed to be planted Pot 'n All to reduce transplant shock. Ask about bulk and case pallets.

| Item | Vendor # | Description | Qty/cs |
|--------|-----------|---------------------|--------|
| 100112 | 1001-012 | 6X6 RD, 2.48 qt | 44 |
| 100312 | 1003-012 | 7x7 RD, 1.03 gal | 44 |
| 100512 | 1005-012 | 7x9 RD, 1.28 gal | 40 |
| 100912 | 1009-012 | 8x6 RD, 1.04 gal | 68 |
| 101114 | 1011-014 | 8x8 RD, 1.62 gal | 40 |
| 101212 | 1012-012 | 9x9 RD, 1.80 gal | 40 |
| 101612 | 1016-012 | 10x10 RD, 2.55 gal | 36 |
| 101912 | 1019-012 | 11x11 SQ, 3.77 gal | 36 |
| 102112 | 1021-012 | 12x8 RD, 2.74 gal | 40 |
| 102312 | 1023-012 | 12x11 RD, 3.40 gal | 32 |
| 102912 | 1029-012 | 13x12 RD, 5.52 gal | 28 |
| 103112 | 1031-012 | 15x10 RD, 4.28 gal | 20 |
| 103312 | 1033-012 | 15x13 RD, 6.55 gal | 16 |
| 103512 | 1035-012 | 15x16 RD, 7.97 gal | 14 |
| 103712 | 1037-012 | 18x12 RD, 9.90 gal | 12 |
| 103912 | 1039-012 | 18x16 RD, 12.15 gal | 10 |
| 104012 | 1040-012 | 21x12 RD, 12.15 gal | 10 |
| 104112 | 1041-012 | 21x16 RD, 16.11 gal | 8 |
| 104302 | 1043-002* | 24x18 RD, 23.38 gal | 10 |

*non-stocking at Griffin



8x8 RD



10x10 RD



15x16 RD



21x12 RD

Hanging Baskets

Fully wax permeated fiber construction on Western's #10, #12, and #14 baskets for durability and longevity. #10 and #12 baskets can be ordered without eyelets for use with Western's patented clip-on nylon hangers.

No-rust brass eyelets for use with wire or barbed hangers. Use easy to install Clip-on nylon hangers on baskets without eyelets.

| Item | Vendor # | Description | Eyelet | Qty/cs |
|---------|----------|--|--------|------------------------|
| 105112 | 1051-012 | 10RD Basket, 1.34 gal | yes | 22 |
| 105512 | 1055-012 | 12RD Basket, 2.09 gal | yes | 22 |
| 104522* | 1045-022 | 10SQ Basket, 1.84 gal | yes | 22 |
| 105912 | 1059-012 | 12SQ Basket, 2.80 gal | yes | 22 |
| 106612 | 1066-012 | 12 Cascade basket, 2.34 gal | yes | 22 |
| 107712 | 1077-012 | 10XLRD basket, 1.59 gal | yes | 22 |
| 107882 | 1078-082 | 12XLRD-II Basket, 2.69 gal | no | 22 |
| 107112* | 1071-012 | 14XLRD Basket, 3.96 gal | yes | 20 |
| 106912 | 1069-012 | 16X8 Garden Bskt, 4.43 gal | no | 20 |
| 103812 | 1038-012 | 18X10 Garden Bskt, 5.99 gal | no | 20 |
| 888514 | 8885-014 | Nylon barbed hanger for 10" & 12" eyelet baskets | n/a | 22/bag (20 bags/cs) |
| 888534 | 8885-034 | Clip on nylon hanger for 10" & 12" baskets | n/a | 22/bag (14 bags/cs) |
| 888802 | 8888-002 | HD Metal Hanger for all eyelet 10", 12", and 14" baskets | n/a | 100/bag |
| 888612 | 8886-012 | 26" Swivel hanger, fits all 10", 12", and 14" baskets | n/a | 20/bag |
| 888111 | 8881-011 | Metal hanger for 16" garden baskets | n/a | 20 |
| 888211 | 8882-011 | Metal hanger for 18" garden baskets | n/a | 20 |

*non-stocking at Griffin



12 RD



12 SQ



14 XL



16 Garden

Patio Planters

Popular for both drop-in and stand-alone containers. Waxed and unwaxed options are consumer favorites.

| Item | Vendor # | Description | Waxed | Qty/cs |
|--------|----------|-------------------|-------|--------|
| 102212 | 1022-012 | 12x5 RD, 1.56 gal | no | 50 |
| 105412 | 1054-012 | 15x6 RD, 2.98 gal | no | 40 |
| 103612 | 1036-012 | 18x8 RD, 5.65 gal | no | 20 |
| 106012 | 1060-012 | 21X8 RD, 7.21 gal | no | 16 |



18x8 RD



15x6 RD

CowPots™

Made from composted cow manure, CowPots™ give seedlings a better start. Tender, young roots easily penetrate the sides and bottoms, allowing for unrestricted growth. Plant the whole pot without disturbing roots and eliminate transplant shock. 100% Biodegradable.



| Item | Description | Qty/cs | Fits Tray |
|----------|----------------|--------|--------------------------------|
| 60-4002 | 3" Square | 1,176 | Any 1020 Tray |
| 60-40021 | 3" Square | 400 | Any 1020 Tray |
| 60-4004 | 3" Round | 840 | ModiForm/EuroDan 3670 |
| 60-40041 | 3" Round | 400 | ModiForm/EuroDan 3670 |
| 60-4006 | 4" Square | 450 | Dillen CTS 415 |
| 60-40061 | 4" Square | 180 | Dillen CTS 415 |
| 60-4014 | 4" Square Tall | 330 | Dillen CTS 1545 / ITML TRK1045 |
| 60-4007 | 5" Square | 192 | Dillen CTS 68 |
| 60-40081 | 5" Round | 160 | Dillen VTA 558 |

| Item | Description | Qty/cs | Fits Tray |
|----------|-----------------|--------|--------------------------------------|
| 60-4009 | 6" Square | 108 | N/A |
| 60-40101 | 6" Round | 108 | Dillen CTA 66 |
| 60-4011 | 7" Square | 90 | N/A |
| 60-4012 | 12" Square | 40 | N/A |
| 60-4016 | 17" Round | 5 | N/A |
| 60-4013 | 3" Sixcell Tray | 50 | Any 1020 Tray |
| 60-4017 | 4" Round Tall | 144 | Dillen CTS415 / ITML 1045 Carry Tray |
| 60-4018 | 4" Round Tall | 300 | Dillen CTS415 / ITML 1045 Carry Tray |
| 60-4019 | 10 Row Tray | 18 | Any 1020 Tray |

Products are shipped FOB EAST CANAAN, CT

Long Fiber Sphagnum Moss Bale

For use in wire hanging baskets

| Item | Description |
|------------|-------------------|
| 20-204500* | 3.5 Cubic Ft Bale |



Refer to page 232 for milled Sphagnum Moss used for seed propagation.



Southern Patio Bushel Basket

| Item | Description | Qty/cs |
|----------|--|--------|
| 81250755 | 8" Bushel Basket W/ Drainage Mini Pallet Tan w/ Brown Brush | 1,000 |
| 81250757 | 13" Bushel Basket W/ Drainage Mini Pallet Tan w/ Brown Brush | 500 |
| 81250758 | 13" Bushel Basket W/ Drainage Mini Pallet Tan w/ Brown Brush | 500 |



Jiffy Pots



The Compostable Classic

You can use Jiffy Pots anywhere: from very traditional greenhouses, to the most advanced high-tech vertical hydroponic farms. Jiffy Pots Original are also home-compostable and approved for organic production. They are also well-suited to mechanical handling thanks to newly-added de-stacking features. No chemicals are used during the manufacture of Jiffy Pots, which makes them the number-one choice for food crops.

| Item | Vendor | Description | Pots/ cs | Pots/Std1020 Flat |
|---------|--------|------------------------------------|-------------|----------------------|
| 60-2021 | 119 | 2" rd. x 2" dp. pot with slits | 3564 | 45 |
| 60-2026 | 122 | 2 1/4" rd. x 2 1/4" dp. | 2816 | 32 |
| 60-2028 | 127 | 2.75 rd. 3.5 dp. pot | 1372 | |
| 60-2036 | 130 | 3" rd. x 3" dp. | 1404 | 18 |
| 60-2262 | 144 | 4" rd. x 3 3/4" dp. pot with slits | 1100 | 13 |
| 60-2038 | 132 | 3" rd. x 4 1/2" dp. | 1080 | |
| 60-2041 | 150 | 5" rd. x 4" dp. | 600 | |
| 60-2040 | 340 | 4 1/2" rd. x 4" dp. | 960 | 14 |
| 60-2042 | 160 | 6" rd. x 5" dp. | 198 | |
| 60-2066 | 230 | 3" sq. x 3" dp. | 1260 | 18 |
| 60-2071 | 240 | 3 1/2" sq. x 4" dp. pot with slits | 800 | |



HOME COMPOSTABLE



TIME SAVING



ORGANIC



SUSTAINABLE



ZERO PLASTIC

Strips

| Item | Vendor | Description | Pots/ cs | Pots/Std1020 Flat |
|---------|--------|--------------------------------------|-------------|----------------------|
| 60-2231 | 516 | 10 sq pots/strip 1 3/4" x 2" dp. | 5100 | 50 |
| 60-2241 | 522 | 12 sq pots/strip 2 1/4" x 2 1/4" dp. | 2520 | 36 |
| 60-2247 | 525 | 8 sq pots/strip 2 1/2" x 2 1/4" dp. | 2304 | 32 |
| 60-2256 | 527 | 8 sq pots/strip 2 1/2" x 3" dp. | 2560 | 32 |
| 60-2251 | 530 | 6 sq pots/strip 3" x 3" dp. | 1260 | 18 |



Poly-Paks

| Item | Vendor | Description | Pots /cs | Sheets /cs |
|---------|--------|---|-------------|---------------|
| 60-2126 | 218 | 2" sq. x 2" dp. Jiffy Pots preloaded into a 10" x 20" handling sheet 50/sheet | 2300 | 46 |
| 60-2131 | 220 | 2" sq. x 3" dp. Jiffy Pots preloaded into a 10" x 20" handling sheet 50/sheet | 2000 | 40 |
| 60-2146 | 529 | 2 1/2" sq. x 3" dp. Jiffy Pots preloaded into a 10" x 20" handling sheet 32/sheet | 1344 | 42 |



Jiffy Preforma

Propagation plug solution for every grower

Propagation is easier with Jiffy Preforma plugs, whether you're using seed, cuttings, or tissue culture. Jiffy Preforma plant plug = a mix of a substrate + binder + tray, which gives a high porosity plant plug. With excellent aeration, water-holding, and drainage, every time. Jiffy Preforma provides excellent yields of healthy, usable plants.





| Item | Description |
|----------|--|
| 50-8605 | Pouch Style Growing Bag SSH 720 HG 8½" .05 (50/bundle) |
| 51-45026 | 4" Double Hook For Flower Bags (Galvanized) (100/bundle) |



Flower Pouch Growing Bag

- Creates colorful hanging flower display
- Designed to hang against a flat surface such as wall or deck
- Provides an excellent source of additional revenue and margins
- Can be grown on normally unused wall space in greenhouses
- Made of heavy gauge polyethylene film
- Use double hook to grow 2 flower bags back to back
- 20" bag + 7" handle - 10 T-slits

2025

K&C Plastics, Inc.

Pen Paks & Carriers



Pen Pak Plastic Carrier

142 Pen paks | 300 per package; 6½" x 5" x 2¼"
142 Pen Paks fit the 142 Carrier listed below.

142 Carrier | 25 per bundle; 15" x 16" x 2½". This tray holds the 142 Pen Pak listed here as well as the NC142 Fiber Pak found on page 181.

144 Carrier | 25 per bundle; 17½" x 16" x 2½". This tray holds the 144 Fiber Pak and the S-144 Fiber Pak listed on page 181.

| Item | Description | Qty/cs |
|---------|---------------------|--------|
| 53-3027 | 142 Pen Pak | 300 |
| 53-3231 | 140 Plastic Carrier | 25 |
| 53-3225 | 142 Plastic Carrier | 25 |
| 53-3230 | 144 Plastic Carrier | 25 |

Hanging Pots



| Item | Description | Qty/cs |
|---------|-------------------------------------|--------|
| 53-3038 | 10" Hanging Pot Green - Wire Hanger | 50 |
| 53-3039 | 10" Hanging Pot White - Wire Hanger | 50 |



Curtis Wagner Plastics Corp.

Clear Propagation Dome

The clear acrylic dome helps maintain an incubator-like atmosphere at soil level. Seeds germinate and emerge into the perfect warm, moist environment. The dome can be reused continuously.

| Item | Description | Qty/cs |
|---------|------------------|--------|
| 54-2305 | Propagation Dome | 50 |

SUNBLASTER
HORTICULTURAL LIGHTING



7" NanoDome

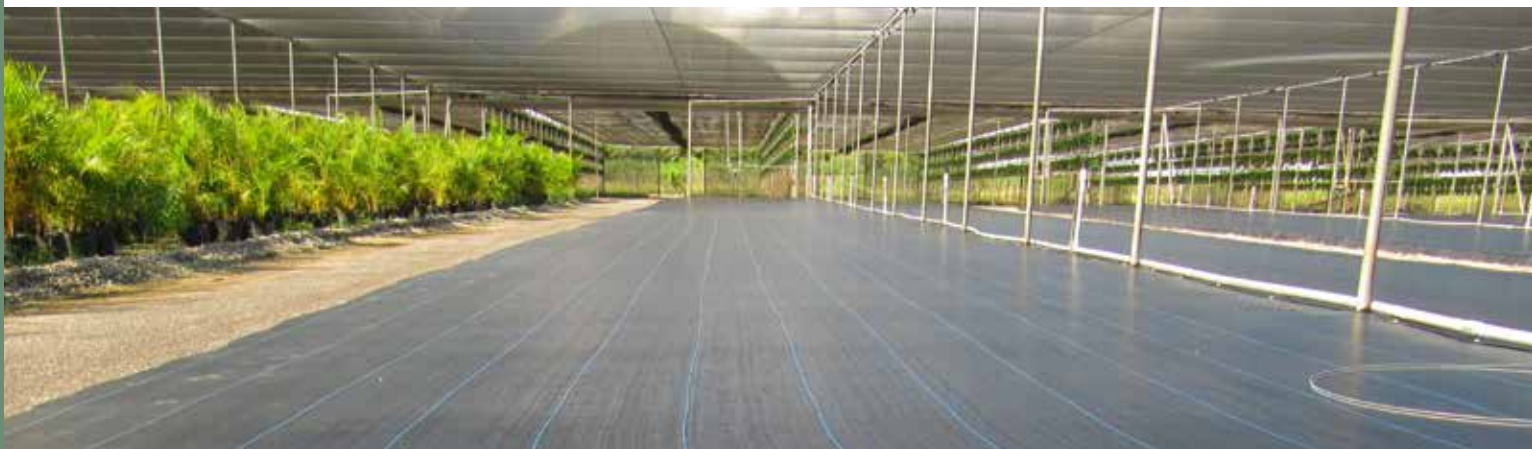
A lot of thought went into our 7" NanoDome. This is a high humidity vented dome that incorporates our ingenious light tracks. These tracks receive our T5HO Combo or LED strip lights. By placing your lighting in these tracks your plants receive the light they need. Fits 10" x 20" trays. Light & Tray not included.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------|--------------|---------|--------|
| 81740063 | Vents | 628836142321 | 1400232 | 25/25 |

GROUND COVER



Lumite Blueline Fabricated Ground Cover



The Grower's Choice - The Best Ground Cover You Can Buy

This tightly woven fabric, constructed of tough UV stabilized polypropylene yarn, is designed to inhibit weed growth and improve the aesthetic appearance of professional nurseries.

Lumite's ground cover is:

- UV Stabilized for extended outdoor life
- Low maintenance
- A non-chemical solution for weed infested growing areas
- A cost effective superior alternative to other methods
- Weight is 3.2 oz / sq. yd.

Used for:

- Landscaping
- Shades structures
- Greenhouses
- Under containers or benches

Easy To Install

Available in convenient wide widths, this product can be quickly installed to provide years of service. Simply roll the product out and tack it down.

- Stocked widths up to 15' 6"
- Has blue stripes every 12" for easy pot alignment
- Is built tough to resist tears and punctures

The Woven Fabric - Permeable to Air and Water

1094's tightly woven design allows water and nutrients to pass through, in addition to allowing the ground to breathe.

- Reduces puddling
- Is resistant to most chemicals
- Will not rot, mildew, or become brittle in cold weather
- Helps eliminate odors



Ground Cover Sizes

| Item | Description |
|---------|--------------------|
| 78-2423 | 10' x 100' Black |
| 78-2420 | 3' x 300' Black |
| 78-2422 | 4' x 300' Black |
| 78-2424 | 6' x 300' Black |
| 78-2425 | 10' x 300' Black |
| 78-2430 | 12' x 300' Black |
| 78-2440 | 15'6" x 300' Black |
| 78-2445 | 20' x 300' Black |
| 78-2450 | 24' x 300' Black |

Ground Staples



| Item | Description |
|---------|----------------------|
| 78-2510 | 6"-8 gauge 100/bag |
| 78-2515 | 6"-11 gauge 1,000/cs |



Crop Cover

AgroFabric works by establishing a stable, favorable micro-climate by capturing extra heat during the day - and then slowing the loss of stored heat at night from the soil. AgroFabric floats directly over crops without suffocating, crushing or breaking delicate plants. It's porous to air, water and nutrients and UV stable to protect your crops even more.



Lightweight Fabric (Pro 17 - Pro 19 - Pro 25)

- Provides up to 4° frost protection for high-value, frost-sensitive vegetables
- Establish spring transplants, protect from late frosts, extend the growing season and increase yields
- Excellent windbreak, offers effective insect control
- Easy to apply and remove

Medium Weight Fabric (Pro 34)

- Provides up to 4° - 6° frost protection for sensitive ornamentals
- Offers overwintering protection for foliage and woody ornamentals in moderate climates
- Excellent for spring use on nursery stock, foliage and vegetables
- Multi-use potential

Heavy Weight Fabric (Pro 50 - Pro 200)

- Provides up to 6° - 8° frost protection for sensitive ornamentals
- Ideal for overwintering containerized ornamentals
- Gives emergency freeze protection to strawberries, citrus, foliage and nursery stock
- Durable enough for multi-season use

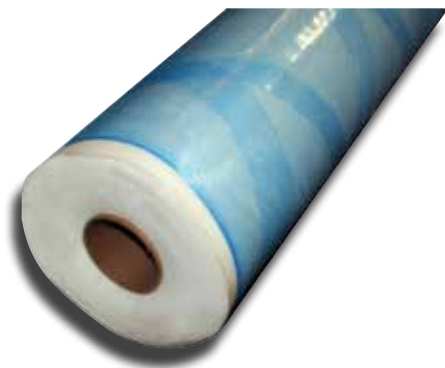
| Item | Description |
|------------------------------|---|
| Stocked Sizes | |
| 78-2026 | Pro 19 - 6' x 250' - Transmits 95% light |
| 78-2031 | Pro 19 - 6' x 2550' - Transmits 95% light |
| 78-2036 | Pro 19 - 13' x 300' - Transmits 95% light |
| Other Sizes Available | |
| - | Pro 19 - .55 oz sq yd. - Transmits 95% light |
| - | Pro 25 - 0.75 oz sq yd. - Transmits 85% light |
| - | Pro 34 - 1.0 oz sq yd. - Transmits 70% light |
| - | Pro 42 - 1.25 oz sq yd. - Transmits 60% light |
| - | Pro 50 - 1.5 oz sq yd. - Transmits 50% light |
| - | Pro 70 - 2.0 oz sq yd. - Transmits 35% light |
| - | Pro 80 - 2.3 oz sq. yd.- Transmits 35% light |
| - | Pro 90 - 2.7 oz sq. yd.- Transmits 35% light |
| - | Pro 100 - 3.0 oz sq. yd.- Transmits 30% light |
| - | Pro 140 - 4.0 oz sq. yd.- Transmits 25% light |
| - | Pro 200 - 6.0 oz sq. yd.- Transmits 25% light |

Call for quote for custom sizes



MAKE OUTDOOR PRODUCTION MUM-UMENTAL

From garden mums to bare-root perennials, count on Griffin for your green inputs for outdoor production! Your Griffin sales representative can help you develop a winning program – give us a call to get started!



Winter Protection Fabric

Flexible, blanket material used for winter protection of plants. Great resistance to tearing. Applied directly on shrubs or containers. Offers protection: ice, cold, snow, winds, and temperature variations.

- 5-7 year life expectancy
- 6 oz. per square yard

Item: 81-730400 **Size:** 15' x 150' Roll

Other width and lengths are available. Call for more information.



Slitted Row Tunnels

Pre-cut crosswise slits provide a method of ventilating hot air in periods of extreme heat. At night the slits remain closed, reducing the rate of convective heat loss and help to maintain warmer temperatures inside the tunnel. Pre-slitted row covers usually provide from 1°-4°F. frost protection, but more importantly, they elevate daytime air temperatures from 10°-30°F, depending on the sunlight levels.

Uses: Slitted row covers are best suited for northern-most climates where light levels are poor, and the spring warming trend is very slow.

Specifications: .5 mil linear low density clear polyethylene, 95% transparent.



| Item | Description | Qty |
|----------|---------------------------------------|-----|
| 78-2296 | 76" Row Cover Hoops 10" Galv. Wire | 100 |
| 78-21361 | Row Covers Clear, Slitted, 6' x 1000' | |



Heavy Frost & Cold Protection Crop Cover

Spunbonded Polypropylene

DuPont fabric has a similar crop response to AgroFabric by creating a similar micro-environment. Used as a floating cover, it will last 2-3 seasons or more. DuPont fabric can be used for frost protection up to 6°F, insect protection or for over-wintering, and will last for many seasons.

Specifications: Approx. 10mil, 1.25 oz/yd² white spunbonded polypropylene, 70% transparent.

Stock size available from our warehouse

| Item | Description |
|---------|--------------------------|
| 78-2045 | 15' x 300' DuPont 1.25oz |

* See Overwintering Materials on Page 39

Custom Size / Direct Shipment Only

The four widths shown below can be ordered in lengths from 50 ft. to 500 ft. in 50 ft. increments. Sold as direct shipment only, FOB North Carolina.

| Item | Description |
|---------|----------------------|
| 78-2005 | DuPont in 15' widths |
| 78-2010 | DuPont in 30' widths |
| 78-2015 | DuPont in 45' widths |
| 78-2020 | DuPont in 60' widths |

GENERAL SUPPLIES





Garden Center Labeling & Tagging Printers



Printer Features

- **Longer Ribbon (984' vs. 244')**
Save money with fewer ribbons & less changeovers
- **More Efficient Calibration**
No labels or tags wasted
- **Integrated Unwinder**
Supports both 1" & 3" cores
- **Faster Printer Speed**
More Labels & Tags in Less Time
- **Adjustable Media Sensor**
Supports Gap, Black Mark, & Side & Center Notches
- **Practically Indestructible Keyboard**
Full size, waterproof keyboard
- **Reduced Cost of Ownership**
3 Year Warranty! Print head – 6 months

Printer Models

GC-Select STA

- GC-Select Printer & Keypad
- 3 Formats

GC-Select DLX

- GC-Select Printer & USB Cable
- Label Design Software – Basic

GC-Select Pro

- GC-Select Printer & USB Cable
- Label Design Software – Professional

GC-Select DLX TOTAL

- GC-Select Printer & Keypad
- Label Design Software - Basic
- 3 Formats

GC-SELECT PRO TOTAL

- GC-SELECT Printer and Keyboard
- Label Design Software - Professional
- 3 Formats

Total Select

Standalone plus PC Software

- Easily upgrade to Total Select from Standalone or PC Software.
- Quickly & conveniently print waterproof & UV Resistant labels & tags.

Many colors are available for most labels and tags.

NEW AND IMPROVED GC-Select Garden Center Printer

**Prints Outdoor Vinyl Tags & Labels...
Waterproof and Sun Resistant!**

Three Label or Tag Formats many more available!



Wrap Around Tag

2" x 1" White
Waterproof Stick-On Label



5" Pot Stake

| Item | Description |
|-------------|--|
| 42-3000 | GC Select-Sta - Stand Alone Printer |
| 42-3005 | GC Select-DLX - Printer with PC Basic Software |
| 42-3010 | GC Select-PRO - Printer with PC Pro Software |
| 42-3015 | GC Select-DLX - Stand Alone Printer with Basic Software |
| 42-3020 | GC Select-PRO - Stand Alone Printer with Pro Software |
| 42-3025 | GC PRO-Sta Standalone Printer |
| 42-3030 | GC PRO-DLX - Printer with PC Basic Software |
| 42-3035 | GC PRO-MAX - Printer with PC Pro Software |
| Item | Description |
| Labels | |
| 42-2025 | 3" x 2 3/8" White Waterproof Stick on Label 7,200/cs |
| 42-1055 | 3/4" x 5" White 4 Across Pot Stakes 6,000/cs |
| 42-1094 | 3/4" x 5" Yellow 4 Across Pot Stakes 6,000/cs |
| 42-1010 | 1" x 7" White Wrap Around Tags 8,400/cs |
| 42-1090 | 1" x 7" Yellow Wrap Around Tags 8,400/cs |
| 42-1060 | 1" x 10" White Wrap Around Tags 6,000/cs |
| 42-1092 | 1" x 10" Yellow Wrap Around Tags 6,000/cs |
| 42-1015 | 2" x 1" White Waterproof Stick-On Label 16,560/cs |
| 42-2030 | 4" x 2" White Waterproof Stick-On Labels 9,000/cs |
| 42-1084 | 4" x 6" White Waterproof Stick-On Label 900/cs |
| 42-1030 | 1/2" x 3" White Waterproof Stick-On Plug Tray Label 5,000/cs |
| 42-1005 | 0.625" x 7" Wrap Around Tree Tag 4,200/cs |
| Ribbons | |
| 42-1020 | 3.3" x 244' Black Transfer Ribbon 12 Rolls/cs *For GC-1 |
| 42-2020 | GC SELECT / GC-FLEX Printer Ribbon (6 rolls / cs) |
| Pricing Gun | |
| 42-1065 | Monarch Pricing Gun |
| 42-1070 | .75" x .5" Labels Outdoor for Monarch Price Gun 12,000/cs |
| 42-1080 | Monarch 1151 Large Pricing Gun |
| 42-1081 | Outdoor Waterproof Labels for 1151 Large Pricing Gun |
| 42-1082 | Outdoor Waterproof Labels for 1156 Large Pricing Gun |



Treated Burlap Squares (A)

| Item | Size | Qty |
|-----------|--------------|-----|
| 65SQ28HNR | 28" x 28" SQ | 100 |
| 65SQ30HNR | 30" x 30" SQ | 100 |
| 65SQ32HNR | 32" x 32" SQ | 100 |
| 65SQ36HNR | 36" x 36" SQ | 100 |
| 65SQ40HNR | 40" x 40" SQ | 100 |
| 65SQ45HNR | 45" x 45" SQ | 50 |
| 65SQ48HNR | 48" x 48" SQ | 50 |
| 65SQ54HNR | 54" x 54" SQ | 50 |
| 65SQ60HNR | 60" x 60" SQ | 50 |
| 65SQ72HNR | 72" x 72" SQ | 25 |

Non-Treated Burlap Squares (A)

| Item | Size | Qty |
|----------|--------------|-----|
| 65SQ32HP | 32" x 32" SQ | 100 |
| 65SQ36HP | 36" x 36" SQ | 100 |
| 65SQ40HP | 40" x 40" SQ | 100 |
| 65SQ48HP | 48" x 48" SQ | 50 |
| 65SQ54HP | 54" x 54" SQ | 50 |
| 65SQ72HP | 72" x 72" SQ | 25 |

Burlap Roll (B)

Non-Treated Burlap Roll

| Item | Size |
|----------|--------------|
| 65P32100 | 32" x 100 yd |
| 65P36100 | 36" x 100 yd |
| 65P48100 | 48" x 100 yd |
| 65P60100 | 60" x 100 yd |
| 65P72100 | 72" x 100 yd |

Flagging Tape (C)

| Item | Description |
|-------|--------------------|
| 65FTB | Blue - 1" x 300' |
| 65FTO | Orange - 1" x 300' |
| 65FTP | Pink - 1" x 300' |
| 65FTR | Red - 1" x 300' |
| 65FTW | White - 1" x 300' |
| 65FTY | Yellow - 1" x 300' |

Hardwood Stakes (D)

Hyacinth Stakes- Round pointed & stained green

| Item | Size | Qty / Bundle |
|-----------|------|--------------|
| 74-100120 | 12" | 1000 |
| 74-100150 | 15" | 1000 |
| 74-100180 | 18" | 1000 |
| 74-100240 | 24" | 500 |

Twist-Ems Industrial Twist Ties (E)

Flat paper tape reinforced with steel wire ¼" wide and green in color. Quick and easy way of tying plants to a stake.

| Item | Size | Qty |
|---------|------|------|
| 88-3025 | 4" | 1000 |
| 88-3030 | 8" | 1000 |
| 88-3035 | 16" | 1000 |

Rubber Bands (F)

Constructed with high quality materials to ensure durability and long-life. Packed in 1 lb. bags.

| Item | Vendor | Size - L x W |
|-----------|--------|----------------|
| 76-300140 | 79056 | 14 - 2" x ⅛" |
| 76-300160 | 79062 | 16 - 2 ½" x ⅛" |
| 76-300320 | 79073 | 32 - 3" x ⅛" |

Polypropylene Twine (G)

Winmore split film polypropylene twine is an industrial strength product used for tying applications. It is manufactured for maximum knot strength retention and hand softness during application.

| Item | Description |
|-----------|-------------------------------------|
| 76-400100 | 2 lb. Cone Green Twine |
| 76-400400 | 10 lb. box Tomato Twine Ply 1100 ft |

Max Tapener HT-B2 (H)

- 1 machine can tie as much as 4 workers
- Easy to use-makes plant & tree tying faster
- One squeeze of the handle stretches the tape between the jaws, it is ready to wrap around the bamboo stake. A second squeeze automatically staples the tape and cuts it off neatly.

| Item | Description | Qty |
|--------|--|-------|
| 633705 | Max Tapener HT-R45L (Tape Tying Machine) | 1 |
| 633720 | Green Max Tape (.25mm - 100') | 10 |
| 633708 | Staples for Max Tapener HT-B2 | 4,800 |
| 633709 | Blades for Tapener | 2/PKG |

Bamboo - up to 12' lengths!

Natural Tonkin, Green Cane Stakes and Green Split Bamboo Stakes



Bamboo crop supports blend in well with the look of growing things, and enhance the beauty of plants in any situation. The products you see listed here are all fashioned from high quality super strength Chinese bamboo. Bamboo has a very thick wall with a very small hollow core, resulting in a much stronger stake at the same diameter as competing stakes.



Hoop Trellis

Fan Trellis

Green Cane Stakes

| Item | Dimensions | Bale Count |
|----------|--------------|------------|
| 133-0076 | 1.5' x 3/16" | 1000 |
| 133-0023 | 2' x 3/16" | 1000 |
| 133-0077 | 2.5' x 1/4" | 1000 |
| 133-0044 | 3' x 5/16" | 1000 |
| 133-0035 | 4' x 3/8" | 500 |

Green Split

| Item | Dimensions | Bale Count |
|----------|-------------|------------|
| 133-0081 | 12" x 3/16" | 5000 |
| 133-0082 | 15" x 3/16" | 5000 |
| 133-0083 | 18" x 3/16" | 5000 |
| 133-0084 | 24" x 7/32" | 2500 |

Natural Tonkin

| Item | Dimensions | Bale Count |
|----------|---------------|------------|
| 133-0057 | 2' x 5/16" | 1000 |
| 133-0058 | 2 1/2' x 3/8" | 500 |
| 133-0059 | 3' x 3/8" | 500 |
| 133-0062 | 4' x 1/2" | 250 |
| 133-0038 | 5' x 1/2" | 250 |
| 133-0063 | 6' x 1/2" | 200 |
| 133-0041 | 6' x 3/4" | 100 |
| 133-0066 | 7' x 5/8" | 100 |
| 133-0069 | 8' x 7/8" | 50 |

Larger Diameter

| Item | Dimensions | Bale Count |
|----------|--------------|------------|
| 133-0072 | 10' x 1 1/8" | 25 |
| 133-0073 | 12' x 1 1/4" | 25 |

Hoop Trellis

| Item | Dimensions | Qty |
|----------|------------|-----|
| 133-0085 | 18" | 100 |
| 133-0086 | 24" | 100 |
| 133-0087 | 30" | 100 |
| 133-0088 | 36" | 100 |
| 133-0152 | 48" | 100 |

Fan Trellis

| Item | Dimensions | Qty |
|----------|------------|-----------|
| 133-0089 | 18" | 50/Bundle |
| 133-0012 | 24" | 50/Bundle |
| 133-0090 | 30" | 50/Bundle |
| 133-0091 | 36" | 50/Bundle |
| 133-0092 | 48" | 50/Bundle |

Snap-On Stake Fastener

Just push the Snap-On Stake Fastener and it holds the stake to the plant.



Snap-on Stake Fasteners

Item: 0223ROSNAP

Qty: 5,000/box



Identification Card Stand

Light-weight and inexpensive.
Put weight support on base.

| Item | Model | Qty |
|----------|-------------------|-----|
| 51-65118 | (A) 18" #414-AF18 | 50 |
| 51-5503 | (B) 18" #411-CO18 | 50 |
| 51-5504 | 30" #411-CO30 | 50 |
| 51-5505 | (C) 40" #410-PA40 | 25 |

A



**Identification
Stand**
Item: 51-65118



B
#411-CO18
Item: 51-5503

Card Stand for Hanging Basket

7"x 5" blank white sign included in
the price. Hang over pipe or into
hanging plant.

| Item | Model | Qty |
|----------|------------------|-----|
| 51-55018 | (D) 18" #412-JCO | 50 |

Coroplast Cards

| Item | Description | Qty |
|---------|-------------|-----|
| 51-6675 | 7" x 5" | 50 |
| 51-6680 | 8" x 9" | 50 |



C



Pallet Card Stand
Item: 51-5505



D



**Hook ID Stand for
Hanging Basket**
Item: 51-55018

Sign Holders

Galvanized Steel- Heavy Duty

Blank white signs sold separately. Sign base fits all sign holders and is
sold separately.

| Item | Description | Vendor |
|---------|--|--------|
| 86-2125 | 5"x7" Galvanized Sign Holder with 18" stake | 5003B |
| 86-2130 | 5"x7" Galvanized Sign Holder with 30" stake | 5002A |
| 86-2140 | 11"x7" Galvanized Sign Holder with 30" stake | 5001 |
| 86-2150 | Galvanized Sign Holder Base | 5000B |
| 86-2175 | 7"x5" Blank White Sign | S5014 |
| 86-2180 | 11"x7" Blank White Sign | S5018 |





Paper Plant Sleeves

Sleeves are manufactured with 50# brown Kraft, water resistant, wet-strength paper. (Holiday Wreath 50# White Kraft Paper not water resistant)

Nested

- Sleeves sit inside one another
- Packed 10 per nest

Benefits:

- Organized and efficient
- Ideal when sleeving on a pole

Pot Sleeves

| Item | Vendor | Dimensions B x T x H | Pot size use* | Qty/ctn |
|---------|-----------|-------------------------|-------------------------|---------|
| 87-2526 | 524B R/D | 6" x 22" x 24" | 6" - 6½" Azalea | 500 |
| 87-2546 | 530A R/D | 6½" x 19" x 30" | 6" - 6½" Azalea and STD | 500 |
| 87-2556 | 730A R/D | 9" x 20" x 30" | 7" - 7½" Azalea | 500 |
| 87-2561 | 948B R/D | 12½" x 24" x 48" | 9½" - 10" Azalea | 250 |
| 87-2581 | 836 B R/D | 10½" x 27" x 36" | 8" - 9" Azalea, 8" H.B. | 300 |

Hanging Basket Sleeves

| Item | Vendor | Dimensions B x T x H | Pot size use* | Qty/ctn |
|---------|-----------|-------------------------|------------------------|---------|
| 87-2576 | 824A R/D | 10 ½" x 22" x 24" | 8" - 9" Hanging basket | 500 |
| 87-2586 | 1030A R/D | 13 ½" x 24" x 30" | 10" Hanging basket | 400 |

*Pot sizes vary from manufacturer to manufacturer. Use chart as a guide only. Actual pot may sit slightly higher or lower in the sleeve.

Satin Plant Sleeves with Holes

- Sleeves are unnested and attached to a wooden header
- Packed 50 per header
- 1000 sleeves per box

| Item | Vendor | Dimensions B x T x H | Qty/ctn |
|------------|----------|-------------------------|---------|
| 87-2588 | 624Point | 8" x 20" x 24" | 1000 |
| 87-2589 | 730 | 9" x 24" x 30" | 1000 |
| 87-2591 | 824HB | 10 ½" x 22" x 24" | 1000 |
| 87-2593 | 830HB | 10 ½" x 30" x 30" | 1000 |
| 87-2594 | 1030HB | 12 ½" x 30" x 30" | 500 |
| 87-2595 | 1230HB | 16" x 30" x 30" | 500 |
| 37RD132424 | 10X24HB | 13 ½" x 24" x 24" | 1000 |

Picking the Right Sleeve Size

About special sizes- We're happy to comply!

We stock what we have listed above; however, we receive requests for many other sizes which we supply on a special order basis. Lead time is 4-6 weeks and minimum run amount may apply. Contact your salesperson for details.



tdibrands
Terra-Dyn International, Inc.

Thank You Trunk Liners



Item: 81550002 **Qty:** 1,000 Liners/Box

2025



Bagging Machine Bags

| Item | Description |
|----------|---|
| 87-2130 | GV21 Bags (250/roll) Bag size: 13" x 8" x 36" |
| 87-3130* | Continuous Roll Bag. Bag size: 26" x 900' (1 Mil) |

*Non-stock Item.

All bags are transparent polyethylene and vented

NOTE: The continuous bag allows you to bag any product regardless of height. Just cut and tie top and bottom to secure.



Polyethylene Utility Bags

- Strong enough for soil!
- Hundreds of uses around the greenhouse!

| Item | Description |
|--------|--------------------------------------|
| S15171 | 11" x 20" Gusseted Bottom 100/bundle |
| S1738 | 18" x 30" Gusseted Bottom 100/bundle |



Metallic Kwik Covers

| Item | Description | Qty |
|----------|-------------------------|-----|
| 87-20057 | (A) 4.0 Std Moss Green | 250 |
| 87-20166 | (C) 4.5 Std Gold | 250 |
| 87-20165 | (B) 4.5 Std Red | 250 |
| 87-20167 | (A) 4.5 Std Moss Green | 250 |
| 87-24216 | (C) 6.0 Az Gold | 100 |
| 87-24215 | (B) 6.0 Az Red | 100 |
| 87-24217 | (A) 6.0 Az Moss Green | 100 |
| 87-20226 | (C) 6.0 Std Gold | 100 |
| 87-20225 | (B) 6.0 Std Red | 100 |
| 87-20227 | (A) 6.0 Std Moss Green | 100 |
| 87-20007 | (C) 6.5 Az Gold | 100 |
| 87-20006 | (B) 6.5 Az Red | 100 |
| 87-24306 | (C) 8.0 Az Gold | 100 |
| 87-24305 | (B) 8.0 Az Red | 100 |
| 87-24307 | (A) 8.0 Az Moss Green | 100 |
| 87-24386 | (C) 10.0 Az Gold | 100 |
| 87-24385 | (B) 10.0 Std Red | 100 |
| 87-24388 | (A) 10.0 Std Moss Green | 100 |

Pearlized Kwik Covers

| Item | Description | Qty |
|----------|------------------------|-----|
| 87-20268 | (D) 4.5 Std Moss Green | 250 |
| 87-20162 | (G) 4.5 Std Lavender | 250 |
| 87-20163 | (E) 4.5 Std Sky Blue | 250 |
| 87-24211 | (F) 6.0 Az Rose Pink | 100 |
| 87-20222 | (G) 6.0 Std Lavender | 100 |
| 87-20221 | (F) 6.0 Std Rose Pink | 100 |
| 87-20330 | (D) 6.0 Std Moss Green | 100 |

Some colors vary by season and subject to seasonal shortages.

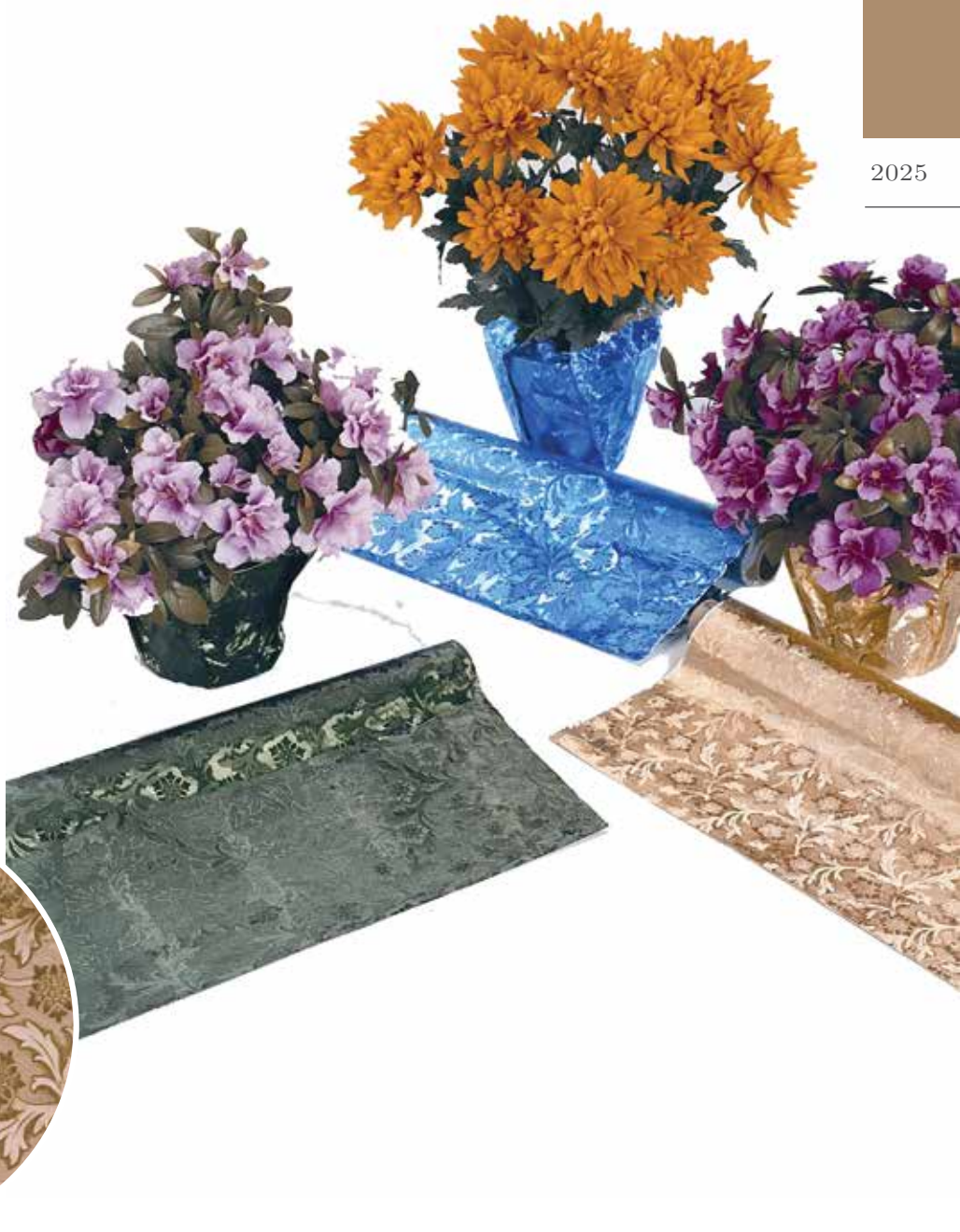
Other colors are available. Contact your sales rep for a complete listing of available Kwik-Covers.

Embossed Plant Foil Wrap

Used for trimming flower pots & lining or wrapping boxes.

- All colors are silver on one side
- Rolls 20" wide x 50' long
- Colors may be combined for quantity price
- 25 rolls per case

| Item | Color |
|---------|--------------|
| 87-1125 | Gold |
| 87-1126 | Purple |
| 87-1127 | Yellow |
| 87-1128 | Azalea |
| 87-1129 | Pink |
| 87-1130 | Nile Green |
| 87-1145 | Sky Blue |
| 87-1132 | Moss Green |
| 87-1134 | Cardinal Red |
| 87-1135 | Lavender |
| 87-1136 | Hunter Green |



Trellis Netting



2025

TENAX


Trellis netting is used to support vegetable, cutflower and medicinal crops. Choose from different mesh sizes and product widths to prevent breakage and increase airflow for reduced disease in the crop.

- UV-treated polypropylene stays flexible
- Good visibility with white material
- Three mesh size options for different crop needs
- Very durable - Hortonova tensile ratings up to 70-78 lbs/ft
- Cost-effective, bulk rolls for heavy use rates

| Item | Description | Qty |
|----------|--|-----|
| 81900065 | Tenax Hortonova Trellis Net Sm 36" X 3280' White 5.9"X5.9" Mesh | 1 |
| 81900104 | Tenax Hortonova Trellis Net Sm 48" X 1500' White 5.9"X5.9" Mesh | 1 |
| 81900076 | Tenax Hortonova Trellis Net Sm 48" X 3280' White 5.9"X5.9" Mesh | 1 |
| 81900079 | Tenax Hortonova Trellis Net Lm 59" X 3280' White 5.9"X6.7" Mesh | 1 |
| 81900081 | Tenax Hortonova Trellis Net Lm 67" X 3280' White 5.9"X6.7" Mesh | 1 |
| 81900089 | Tenax Hortonova Trellis Net Lm 79" X 1000' White 5.9"X6.7" Mesh | 1 |
| 81900090 | Tenax Hortonova Trellis Net Lm 79" X 3280' White 5.9"X6.7" Mesh | 1 |
| 81900112 | Tenax Hortonova Trellis Net Lm 120" X 1500' White 5.9"X6.7" Mesh | 1 |
| 81900113 | Tenax Hortonova Trellis Net Lm 120" X 3280' White 5.9"X6.7" Mesh | 1 |
| 81900298 | Tenax Hortonova Trellis Net Sm 79"x 3280' White 4x4 Mesh | 1 |

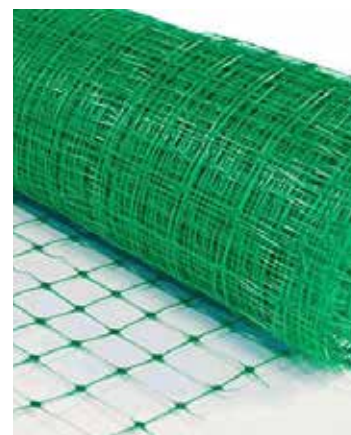
Live Oak Mum Netting

17" Mum Netting

- For 8" and 10" pots
- Roll size 17" x 3280'
- Net opening 3½" x 3½"

23" Mum Netting

- For 12" and larger pots
- Roll size 23" x 3,280'
- Net opening 3½" x ½"



| Item | Description | Qty |
|-----------|--------------------------------|-----------|
| 22-173280 | 17" Mum Netting 3,280' | 1 |
| 22-233280 | 23" Mum Netting 3,280' | 1 |
| 22-173281 | 17" x 17" Green Pre-Cut Square | 2,200/box |
| 22-233281 | 23" x 23" Green Pre-Cut Square | 2,200/box |

MultiLoc Slip-On® Labels

Tie onto nursery stock, hanging baskets, etc.

| Item | Description |
|---------|---------------------------|
| 86-1425 | 1000 Yellow ¾" x 7" label |



Treated Wooden Pot Labels

These labels will biodegrade more rapidly than coated. Labels are not coated.

| Item | Size | Qty/Box |
|---------|------------|---------|
| 86-1025 | 4" x ⅝" | 1000 |
| 86-1030 | 5" x ⅝" | 1000 |
| 86-1035 | 6" x ⅝" | 1000 |
| 86-1040 | 8" x ⅝" | 500 |
| 86-1051 | 12" x 1 ⅙" | 250 |



Bulk Plastic Pot Labels

| Item | Size | Qty/Box |
|---------|------|---------|
| 86-1125 | 4" | 1000 |
| 86-1130 | 5" | 1000 |
| 86-1135 | 6" | 1000 |
| 86-1140 | 8" | 500 |





USI BigMouth 12" Thermal Mounting Pouch Laminator

The USI BigMouth (Item #8152) is a mounting pouch laminator. Originally developed by USI in 1985, the BigMouth meets the growing popularity of laminating and mounting items in one step and with only one machine.

- 2 machines in 1: a pouch laminator, and a mounting laminator for more rigid signs
- Ideal for larger items such as documents and displays, and smaller items such as IDs, badges and tags
- Laminates pouch films up to 12" wide and 7 mil thick
- Laminates and mounts pouch boards up to 3/16" thick
- Adjustable temperature
- Very quiet
- Industry-best 2-year warranty
- Free lifetime technical support

Item: 86-4031



Laminator Pouches

A variety of seal pre-cut laminating pouches are available for most laminating needs. Pouches include a non-stick laminating carrier. 9" x 11 1/2"

Item: 86-4045 **Qty:** 100

These items are only a partial list of available laminators and pouches. For more information, please contact your salesperson.

Weatherproof Pens for Chalkboard Sign

These colored marking pens are used to put down a colorful, waterproof statement for a plant or display billboard. Colors include: blue, light blue, green, yellow, pink, red, black and white.

Item: 86-1440 **Qty:** 8/Pack



Thermometers

Digital Pocket Thermometer (A)

- Fits in your pocket
- Pocket clip on the back
- Detachable
- Designed with space saving cover that doubles as a handle
- Rubberized handle
- Quick read temperature
- Measures both °F and °C.
- LR44 button battery included
- Materials: plastic and stainless steel

Item: 60-1030

12 1/4" Durable Rain Gauge with Magnified Dial (B)

- Tough all weather molded cases
- Molded in transparent plastic
- Bold numerals for easy viewing at a distance
- UV protected dial ink resists fading

Item: 60-1025



TIMEX



Black Obelisk

Made to look like wrought iron. These obelisks have hook type grips on the bottom of their legs to achieve a secure hold in soil. Steps up the legs allow climbers to attach easily. Two pieces snap easily together.

| Item # | Desc | Vendor | CS/UOS |
|----------|------|--------|--------|
| 82060090 | 32" | OB2 | 25/25 |

Sign Holder

Tyne classic black sign holders are made of a sturdy UV resistant, black plastic. Securely holds 11" x 7" or 5" x 7" signs in place.

| Item # | Desc | Vendor | CS/UOS |
|----------|--------|--------|--------|
| 82060071 | 7"x5" | SL904 | 50/50 |
| 82060073 | 11"x7" | SL911 | 25/25 |
| 82060076 | 11"x7" | SL605 | 25/25 |

Green Tripod

Economically designed with flexible legs to easily insert into soil to form a growing pyramid for vining plants. As the plant grows, it naturally secures itself to small, fine protrusions on the three legs. Top of the tripod features a lug to clip on a label and is soft enough to prevent eye injury.



| Item # | Desc | Vendor | CS/UOS |
|----------|------|--------|--------|
| 82060092 | 18" | TR18 | 50/50 |
| 82060093 | 24" | TR24 | 50/50 |
| 82060094 | 32" | TR32 | 50/50 |

Tan Bamboo-Look

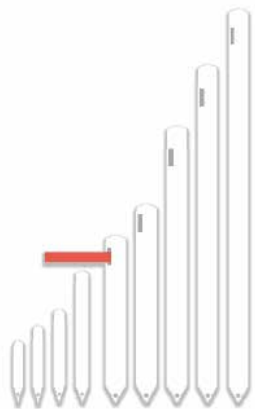
This plastic trellis accents plants with it's natural bamboo look. Designed to insert into potted soil. As the plant grows, roots grip onto the trellis base making it secure enough to be lifted by the top of the trellis for easy transport.



| Item # | Desc | Vendor | CS/UOS |
|----------|---------|--------|--------|
| 82060088 | 28-3/4" | PS16 | 50/50 |
| 82060089 | 21-1/2" | PS17 | 50/50 |

TY White Heavy Duty Plastic Labels

TY Labels are made from heavy-duty plastic with an ample writing area. They are available in many sizes. They can be used as a stick-in pot label or to attach to a pot with a label gun through pre-punched holes.



| Item # | Desc | Vendor | CS/UOS |
|----------|------|--------|-----------|
| 82060028 | 4" | TY4W | 1000/1000 |
| 82060031 | 5" | TY5W | 1000/1000 |
| 82060039 | 6" | TY6W | 1000/1000 |
| 82060040 | 8" | TY8W | 500/500 |

Vinyl Loop Lock Labels

Loop Lock Labels are used to label hanging baskets, vines, bushes, trees, and more! Measures 1/2" wide by 6-1/2" long and has 1000 perforated labels per roll.



| Item # | Desc | Vendor | CS/UOS |
|----------|--------|--------|-----------|
| 82060046 | White | LL625W | 1000/1000 |
| 82060047 | Yellow | LL625Y | 1000/1000 |

Gro Triangle

Designed to hold three or four canes upright, creating a column. Sized for split or standard canes.



| Item # | Vendor | CS/UOS |
|----------|--------|---------|
| 82060081 | GRO-T2 | 100/100 |

In-Pot Cane Support

An economical way to reduce the mess and create more saleable items. Cane Supports are designed to grip and hold canes upright and steady in pots, helping to prevent damage to plants. Once the plant is rooted, the pot may be lifted by cane for transport.

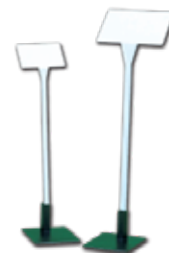


| Item # | Vendor | CS/UOS |
|----------|--------|---------|
| 82060084 | CBS1 | 100/100 |



Angled Marker

The Angled T-label is great for placing near or on the ground for easier viewing. Optional black base is also available and fits all T-label stems.



| Item # | Desc | Vendor | CS/UOS |
|----------|--------|--------|--------|
| 82060018 | 2-1/2" | SL400W | 50/50 |
| 82060023 | 3-7/8" | SL500W | 25/25 |
| 82060027 | Base | BASE | 25/25 |

Blackboard Label

These unique labels are ideal for marking sale items. Also a very economical style - use ordinary chalk or liquid chalk and simply wipe clean to re-use!



| Item # | Vendor | CS/UOS |
|----------|---------|--------|
| 82060057 | SL500BB | 25/25 |

Plastic Marker

Straight T-Labels are designed for use where a larger label is needed.



| Item # | Vendor | CS/UOS |
|----------|--------|---------|
| 82060004 | SL200W | 100/100 |
| 82060011 | SL445W | 50/50 |



CLS Series Light Duty Grade Radios

- UHF Business Band Operation with 56 selectable UHF frequencies
- 38 analog and 83 digital interference eliminator codes, keypad lock, 3 audible tones
- Compatible with CLP Series and UHF RM & RDX model radios on same frequency and code

| Item | Model | Transmit Power | Channels | Weight | Range Indoors (up to) | Range in Warehouse (up to) |
|---------|---------|----------------|----------|--------|-----------------------|----------------------------|
| 83-6070 | CLS1110 | 1 Watt | 1 | 4.5 oz | 15 floors | 200,000 sq ft |
| 83-6072 | CLS1410 | 1 Watt | 4 | 4.5 oz | 15 floors | 200,000 sq ft |

CP100d Series On-Site Business Two-Way Radios

- Repeater capable
- Exceptionally clear audio: Digital voice pressing with enhanced call signaling ensures faster and more reliable calls.
- Durable and water resistant: Meets Military 810 C,D,E,F and IP54/55 specifications
- Hands-free operation (VOX) with optional accessories

VHF Jobsite Radios -

For Use Outdoors

| Item | Model | Transmit Power | Channels | Weight | Range Indoors (up to) | Range in Warehouse (up to) |
|---------|-----------|----------------|----------|----------|-----------------------|----------------------------|
| 83-6118 | CP100D-VA | 5 Watt | 16 | 10.3 oz. | 18 floors | 300,000 sq. ft |

UHF Jobsite Radios -

Best Signal / Range for Use Indoors and Outdoors

| Item | Model | Transmit Power | Channels | Weight | Range Indoors (up to) | Range in Warehouse (up to) |
|---------|------------|----------------|----------|----------|-----------------------|----------------------------|
| 83-6120 | CP100D-UA | 4 Watt | 16 | 10.3 oz. | 30 floors | 350,000 sq. ft |
| 83-6122 | CP100D-UAD | 4 Watt | 160 | 10.3 oz. | 30 floors | 350,000 sq. ft |

RM Series Radios

- Durable and water resistant: Meets Military 810 C,D,E,F,G and IP54/55 specifications
- Channel announcement with voice alias
- Easy cloning with single unit charger cloning cable or multi-unit charger
- Hands-free operation (VOX) with optional accessories

RMV2080, RMU2080 and RMU2080d Feature:

NOAA weather radio with alerts on 8 channel models

| Item | Model | Transmit Power | Channels | Weight | Range Indoors (up to) | Range in Warehouse (up to) |
|---------|----------|----------------|----------|---------|-----------------------|----------------------------|
| 83-6210 | RMU2040 | UHF, 2 Watt | 4 | 8.6 oz. | 20 floors | 250,000 sq ft. |
| 83-6212 | RMU2080 | UHF, 2 Watt | 8 | 8.6 oz. | 20 floors | 250,000 sq ft. |
| 83-6216 | RMU2080d | UHF, 2 Watt | 8 | 8.6 oz. | 20 floors | 250,000 sq ft. |
| 83-6214 | RMV2080 | 2 Watt | 8 | 8.9 oz. | 20 floors | 250,000 sq ft. |

Digital Radios

Digital One-to-One Calling - allows you to call and talk privately with a specific user's radio.

| Item | Model | Transmit Power | Channels | Weight | Range Indoors (up to) | Range in Warehouse (up to) |
|---------|--------|----------------|------------|----------|-----------------------|----------------------------|
| 83-6124 | DTR700 | 1 Watt | 50 Channel | 7.87 oz. | 30 floors | Up to 350,000 square feet |
| 83-6078 | Curve | 1 Watt | 10 Channel | 4.5 oz. | 20 floors | Up to 300,000 square feet |

Shipping Trays/Boxes and Staplers



Beer Boxes (A)

10 3/4" W x 16" L x 2 1/2" D

Item: 87-3030 **Qty:** 100/Bundle

Self-Locking Plant Trays (B)

No Stapling Required!

17" L x 13" W x 3" D

Item: 87-3065 **Qty:** 50/Bundle

39 Gauge Eco Stretch Wrap Film (C)

- Extra Strong, 39 Gauge Film
- Holds Up Against Puncturing
- 18" x 1476'

Item: 87-3022 **Qty:** 4

For the shop (D)

P3 - Industrial Plier

This stapling plier is ideal for sealing all kinds of light shipping containers.

| Item | Description | Qty/Box |
|---------|------------------------------------|---------|
| 83-2040 | P3 - Industrial Plier - Heavy Duty | 1 |
| 83-2150 | SP-19 3/4" Staples | 5,000 |

Heavy Duty (E)

P6C- 8 Plier

This stapling plier is ideal for sealing all kinds of light shipping containers.

| Item | Description | Qty/Box |
|---------|------------------------|---------|
| 83-2075 | P6 C-8 Plier | 1 |
| 83-2126 | STCR 5019 3/8" Staples | 5,000 |

Heavy Duty (F)

PC 4000 Tacker

Use it for fastening polyethylene, or wherever a tacking stapler is needed.

| Item | Description | Qty/Box |
|---------|------------------------|---------|
| 83-2080 | PC 4000 Tacker | 1 |
| 83-2125 | STCR 5019 1/4" Staples | 6,000 |
| 83-2126 | STCR 5019 3/8" Staples | 5,000 |
| 83-2129 | STCR 5019 1/2" Staples | 4,000 |
| 83-2128 | STCR 5019 5/8" Staples | 4,000 |

Seido™
Fungicide

“Powdery mildew free, *and looking great thanks to a new class of chemistry!*”

- glowing_gerbera_755



Seido is a trademark of OHP, Inc.

- ✓ New mode of action
- ✓ Preventative / early-curative
- ✓ Vapor activity
- ✓ 4 hour REI



Seido's™ new mode of action provides stopping power you can count on—even when faced with resistant powdery mildew strains. The unique vapor activity enhances distribution on the leaf surface, while also providing excellent rainfastness. Powdery mildew has met its match with Seido fungicide from OHP.

ohp Partners
with solutions
An American Vanguard Company

SOILLESS MIXES & SPECIALTY MEDIA





PRO-MIX

PROFESSIONAL GROWING MIXES



2025

BX Mixes - General Purpose

Features and Benefits

- Traditional peat-based growing medium with perlite
- Contains starter nutrients and pH adjuster
- Multi-purpose, general-purpose mix for transplanting a wide variety of plants species
- Ideal for the production of vegetable transplants in large cell trays
- This product answers the needs of most growing applications
- Light-weight, low bulk-density
- High water-holding capacity

BX

PRO-MIX® BX is the solution for growers seeking to benefit from perlite's drainage and aeration properties. Combined with high-quality fibrous peat moss, this formulation is ideal for growers looking for a general purpose medium which creates a well-balanced growing environment.

| | | |
|----------------------|--------------------------------|--------------------|
| Item: 710B3 | Size: 2.8 cu. ft. Comp. | Qty/plt: 57 |
| Item: 65-2005 | Size: 3.8 cu. ft. Comp. | Qty/plt: 70 |

BX AGTIV® REACH™

AGTIV® REACH™ expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

| | | |
|----------------------|--------------------------------|--------------------|
| Item: 94-1152 | Size: 2.8 cu. ft. Loose | Qty/plt: 57 |
| Item: 65-2015 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

BX BIOFUNGICIDE™ + MYCORRHIZAE™

Combining *Bacillus* and Mycorrhizae provides the benefits of reducing incidence of certain plant root diseases (*Fusarium*, *Pythium* and *Rhizoctonia*) and the risk of pathogens developing resistance to chemical fungicides. It also suppresses certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.

| | | |
|----------------------|--------------------------------|--------------------|
| Item: 94-1140 | Size: 2.8 cu. ft. Loose | Qty/plt: 57 |
| Item: 65-2017 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

Product availability varies by location.

Contact our office for direct ship truckloads. Most mixes are available in Mini-bulk & Mega-bale deliveries. Contact our office for details.



HP® Mixes - High Porosity

Features and Benefits

- High perlite content, peat-perlite based growing medium
- Low water retention
- Designed for water sensitive crops
- Ideal for cultural conditions with low-light and excess moisture/humidity
- Dries out more frequently than general purpose, peat-based mixes
- Well suited for low-light growing conditions and high humidity
- Difficult to overwater crops
- Reduces incidence of water related problems (root diseases, algae and fungus gnats)
- Holds less water for improved leaching of fertilizer salts during crop cycle

MPX Mix - Multi-purpose

Features and Benefits

- Multipurpose peat-based growing medium with perlite
- Contains starter nutrients and pH adjusted
- Ideal for short-term transplanting application, such as annuals in bedding trays and pots
- Basic mix for transplanting a wide variety of plant species
- This product answers the needs for short-term crops
- Light-weight, low bulk-density
- High water-holding capacity
- Economic alternative for basic use

HP® AGTIV® REACH™

With a high percent of quality perlite, PRO-MIX® HP® provides a porous environment for growers wanting a growing medium with high air porosity, low water retention and good drainage.

AGTIV® REACH™ expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

Item: 94-1154 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 57
Item: 65-2040 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

HP® BIOFUNGICIDE™ + MYCORRHIZAE™

Combining *Bacillus* and Mycorrhizae provides plants the benefits of reducing incidence of certain plant root diseases (Fusarium, Pythium and Rhizoctonia) and risk of pathogens developing resistance to chemical fungicides. It also suppresses certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.

Item: 94-1170 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 57
Item: 65-2044 **Size:** 3.8 cu.ft Comp. **Qty/plt:** 30

HP® AGTIV® REACH™ OPEN TOP GROW BAG

The PRO-MIX HP® AGTIV® REACH™ Open Top Grow Bag offers the quality performance of Premier's high porosity peat-based mix, but in a new delivery system for growers. The Open Top Grow Bag is deployed easily into production by tearing off the opening and then transplanting directly into the media. This system streamlines production for a cleaner and faster crop turnaround. Ideal for water-sensitive crops, low-light conditions, high humidity, and scenarios where increased drainage and porosity are needed. Equivalent pot sizes 0.5 cu. ft. bag = 3.5-gallon pot, 1.0 cu. ft. bag = 7-gallon pot.

Item: 94-1300 **Size:** 1 cu.ft **Qty/plt:** 135
Item: 94-1301 **Size:** 0.5 cu.ft **Qty/plt:** 294
Item: 94-1302 **Size:** 2 GAL **Qty/plt:** 400

MPX AGTIV® REACH™

PRO-MIX® MPX combines high-quality Sphagnum peat moss and a low percentage of perlite. This combination forms a growing medium with high water retention that reduces the need for frequent irrigation and promotes water conservation.

Item: 65-2006 **Size:** 3.8 cu.ft Comp. **Qty/plt:** 30

Contact our office for direct ship truckloads. Most mixes are available in Mini-bulk & Mega-bale deliveries. Contact our office for details.



HPCC Mixes - High Porosity & Chunk Coir

Features and Benefits

- High water-holding capacity
- Ideal for hanging baskets and large planters
- Well suited for dry, hot weather conditions
- Supports plant root systems
- Enhances nutrient and water uptake
- Produces more vigorous and healthy plants

HPCC AGTIV[®] REACH[™]

Lightweight, high-porosity peat-based growing medium that contains chunk coir. It ensures optimum growth, especially when high air capacity and extra drainage are required. It is ideal for water-sensitive crops, rooting cuttings and/or low-light growing conditions. AGTIV[®] REACH[™] expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

| | | |
|----------------------|--------------------------------|--------------------|
| Item: 94-1160 | Size: 2.8 cu. ft. Loose | Qty/plt: 57 |
| Item: 65-2050 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

HPCC BIOFUNGICIDE[™] + MYCORRHIZAE[™]

Combining *Bacillus* and Mycorrhizae provides plants the benefits of reducing incidence of plant root diseases (*Fusarium*, *Pythium* and *Rhizoctonia*) and risk of pathogens that developing resistance to chemical fungicides. It also suppresses certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.

| | | |
|----------------------|--------------------------------|--------------------|
| Item: 94-1165 | Size: 2.8 cu. ft. Loose | Qty/plt: 57 |
| Item: 65-2080 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

GGSPRO TIP | PRO-MIX AGTIV FORTIFY

AGTIV[®] FORTIFY[™] protects the root system with an expanded barrier against pathogens suppresses root diseases caused by specific pathogens such as *Fusarium*, *Pythium* and *Rhizoctonia* and improves nutrient and water absorption. The mix contains the beneficial bacterium *Bacillus*, which helps reduce root diseases, and mycorrhizae, a symbiotic fungus that enhances plant root development. This tried-and-true substrate additive combination helps growers start with healthier, more resilient plants.



BKI MIXES

previously named BRK

BKI

PRO-MIX® BKI is a medium-weight growing medium designed for the cultivation of horticultural crops grown in medium to large containers. Its high percentage of processed pine bark, Sphagnum peat moss and perlite makes it ideal for growers who need frequent dry-down periods and medium/low water retention, especially when growing crops outdoors in a changing environment.

Item: 94-1182 **Size:** 2.8 cu ft. **Qty/plt:** 48

BKI AGTIV® REACH™

Expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

Item: 330462P **Size:** 2.8 cu ft. **Qty/plt:** 48

BRK BIOFUNGICIDE™ + MYCORRHIZAE™

Combining *Bacillus* and Mycorrhizae provides the benefits of reducing incidence of certain plant root diseases (*Fusarium*, *Pythium* and *Rhizoctonia*) and the risk of pathogens developing resistance to chemical fungicides. It also suppresses certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.

Item: 94-1167 **Size:** 2.8 cu ft. **Qty/plt:** 48

BKH MIXES

previously named BK55

BKH

PRO-MIX® BKH is a medium-weight growing medium designed for the cultivation of long-term greenhouse crops and perennials grown outdoors. The combination of processed pine bark, Sphagnum peat moss and perlite makes for low water retention and a good air/water balance. The high percentage of bark adds weight for added container stability.

Item: 94-1111 **Size:** 2.8 cu ft. **Qty/plt:** 48

BKH AGTIV® REACH™

Expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

Item: 94-1177 **Size:** 2.8 cu ft. **Qty/plt:** 48



2025 BK MIXES

BK

PRO-MIX® BK is a medium-weight growing medium designed for the cultivation of horticultural crops in 4" pots or larger. The combination of processed pine bark, Sphagnum peat moss and perlite makes for a general-purpose growing medium with good drainage and medium water retention.

Item: 94-1110 **Size:** 2.8 cu. ft. **Qty/plt:** 48

BK AGTIV® REACH™

AGTIV® REACH™ expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mycorrhizae.

Item: 94-1176 **Size:** 2.8 cu. ft. **Qty/plt:** 42

BRK20 BIOFUNGICIDE™ + MYCORRHIZAE™

Combining Bacillus and Mycorrhizae provides plants the benefits of reducing incidence of plant root diseases (*Fusarium*, *Pythium* and *Rhizoctonia*) and risk of pathogens that developing resistance to chemical fungicides. It also suppresses certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.

Item: 94-1168 **Size:** 2.8 cu. ft. **Qty/plt:** 42

MPO AGTIV® REACH™

PRO-MIX® MPO provides the perfect solution for growers in need of a growing medium for organic use that delivers well-balanced air/water properties. OMRI Listed, this formulation is ideal for a variety of growing applications and meets crop requirements for certified organic growers.

Item: 94-1185 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 57
Item: 65-2060 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30



MPO AGTIV® FORTIFY™

AGTIV® FORTIFY™ protects the root system with an expanded barrier against pathogens* and improves nutrient and water absorption thanks to mycorrhizae & Bacillus.

Item: 65-2091 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

PROMIX

WITH
AGTIV
TECHNOLOGIES

STRONGER TOGETHER

Effective July 1st, 2024, Premier Tech Growers and Consumers is introducing the new AGTIV® technological co-brand for PRO-MIX® professional growing media that brings a new level of clarity to our products' effects on plants.

AGTIV FORTIFY

+ BACILLUS +
MYCORRHIZAE

AGTIV DEFEND

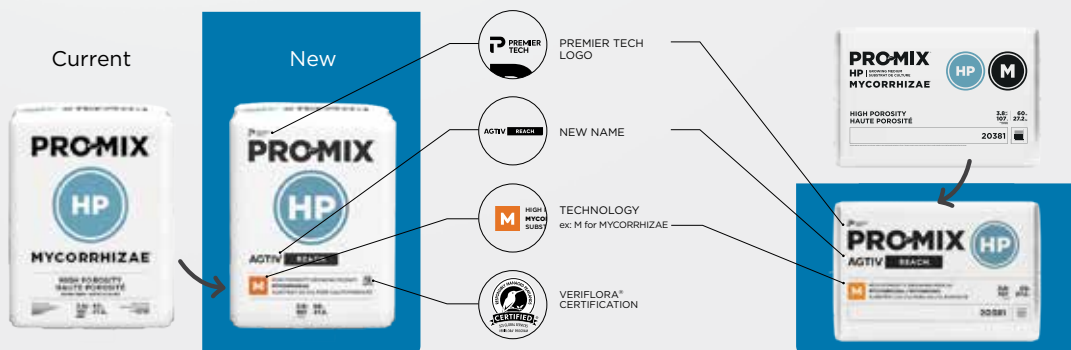
B BACILLUS

AGTIV REACH

M MYCORRHIZAE

SAME PRODUCTS. SAME EFFICACY. SAME PRO-MIX®.

New product names and packaging will be gradually introduced throughout the year. Here are the changes you will see:



LEARN MORE



IT'S IN THE BAG



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PRO-MIX
AGTIV

Striving for thriving crops? With PRO-MIX® premium growing media and AGTIV® biological active ingredients, it's in the bag.

AGTIV **FORTIFY** AGTIV **DEFEND** AGTIV **REACH**

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PRO-MIX® CONTAINER FILLING GUIDE

| DESCRIPTION | DIMENSIONS (INCH) | | | VOLUME (CU. IN.) | NUMBER OF POTS FILLED | | | | | | | |
|---|-------------------|---------|--------|------------------|-----------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|
| | SIZE | TOP | HEIGHT | | 1 CU. FT. | 2.8 CU. FT. LOOSE | 3.8 CU. FT. COMP. | 55 CU. FT. COMP. | 60 CU. FT. LOOSE | 80 CU. FT. LOOSE | 110 CU. FT. COMP. | 135 CU. FT. COMP. |
| BEDDING TRAYS - CELL PACKS (TRUE SERIES INSERT) | 606 | 10 x 20 | 3 ¼ | 323 | 5 | 15 | 37 | 535 | 321 | 428 | 1,089 | 1,337 |
| | 804 | 10 x 20 | 2 ¾ | 316 | 5 | 15 | 38 | 547 | 328 | 437 | 1,114 | 1,367 |
| | 806 | 10 x 20 | 2 ¾ | 281 | 6 | 17 | 43 | 615 | 369 | 492 | 1,252 | 1,537 |
| | 1004 | 10 x 20 | 2 ⅝ | 292 | 6 | 17 | 41 | 592 | 355 | 473 | 1,205 | 1,479 |
| | 1201 | 10 x 20 | 2 ¾ | 359 | 5 | 13 | 34 | 481 | 289 | 385 | 980 | 1,203 |
| | 1203 | 10 x 20 | 2 ½ | 320 | 5 | 15 | 38 | 540 | 324 | 432 | 1,100 | 1,350 |
| | 1204 | 10 x 20 | 2 ¼ | 264 | 7 | 18 | 46 | 655 | 393 | 524 | 1,333 | 1,636 |
| | 1206 | 10 x 20 | 2 ¾ | 238 | 7 | 20 | 51 | 726 | 436 | 581 | 1,479 | 1,815 |
| | 1801 | 10 x 20 | 3 ⅝ | 398 | 4 | 12 | 30 | 434 | 261 | 347 | 884 | 1,085 |
| | 1803 | 10 x 20 | 2 ¾ | 217 | 8 | 22 | 56 | 796 | 478 | 637 | 1,622 | 1,991 |
| STANDARD POTS | 3 " | 3 | 2 ¾ | 14 | 123 | 346 | 864 | 12,343 | 7,406 | 9,874 | 25,143 | 30,857 |
| | 3.5 " | 3 ½ | 3 | 20 | 86 | 242 | 605 | 8,640 | 5,184 | 6,912 | 17,600 | 21,600 |
| | 4 " | 4 | 3 ½ | 28 | 62 | 173 | 432 | 6,171 | 3,703 | 4,937 | 12,572 | 15,429 |
| | 4.5 " | 4 ½ | 3 ¾ | 40 | 43 | 121 | 302 | 4,320 | 2,592 | 3,456 | 8,800 | 10,800 |
| | 5 " | 5 | 5 | 66 | 26 | 73 | 183 | 2,618 | 1,571 | 2,095 | 5,333 | 6,545 |
| | 6 " | 6 | 5 ¾ | 112 | 15 | 43 | 108 | 1,543 | 926 | 1,234 | 3,143 | 3,857 |
| | 8 " | 8 | 6 ¾ | 231 | 7 | 21 | 52 | 748 | 449 | 598 | 1,524 | 1,870 |
| HANGING BASKETS | 8 " | 8 ¾ | 5 ½ | 178 | 10 | 27 | 68 | 971 | 582 | 777 | 1,978 | 2,427 |
| | 10 " | 10 ¾ | 6 ¾ | 329 | 5 | 15 | 37 | 525 | 315 | 420 | 1,070 | 1,313 |
| | 11 " | 10 ⅞ | 6 ½ | 400 | 4 | 12 | 30 | 432 | 259 | 346 | 880 | 1,080 |
| | 12 " | 12 ¾ | 7 ½ | 550 | 3 | 9 | 22 | 314 | 189 | 251 | 640 | 785 |
| PERENNIAL & NURSERY CONTAINERS | 3.5 "sq | 3 ½ | 4 | 34 | 51 | 142 | 356 | 5,082 | 3,049 | 4,066 | 10,353 | 12,706 |
| | 4.5 "sq | 4 ½ | 5 | 58 | 30 | 83 | 209 | 2,979 | 1,788 | 2,383 | 6,069 | 7,448 |
| | 5.5 "sq | 5 ⅝ | 6 ⅞ | 124 | 14 | 39 | 98 | 1,394 | 836 | 1,115 | 2,839 | 3,484 |
| | Trade #1 | 6 ½ | 5 ⅞ | 166 | 10 | 29 | 73 | 1,041 | 625 | 833 | 2,120 | 2,602 |
| | Trade #3 | 10 ¼ | 9 ⅞ | 597 | 3 | 8 | 20 | 289 | 174 | 232 | 590 | 724 |
| | Trade #5 | 11 | 12 ¼ | 868 | 2 | 6 | 14 | 199 | 119 | 159 | 406 | 498 |
| | 1 quart | 4 ½ | 4 ½ | 55 | 31 | 88 | 220 | 3,142 | 1,885 | 2,513 | 6,400 | 7,855 |
| | 1 gal | 6 ¼ | 6 ⅝ | 146 | 12 | 33 | 83 | 1,184 | 710 | 947 | 2,411 | 2,959 |
| | 300 | 6 ½ | 7 | 173 | 10 | 28 | 70 | 997 | 598 | 798 | 2,032 | 2,494 |
| | 600 | 8 ½ | 8 ½ | 462 | 4 | 10 | 26 | 374 | 224 | 299 | 762 | 935 |
| | 1200 | 11 | 9 ⅝ | 692 | 2 | 7 | 17 | 250 | 150 | 200 | 508 | 624 |

ESTIMATE ACCURATELY THE QUANTITY OF PRODUCTS YOU REQUIRE ONLINE
on PTHORTICULTURE.COM/en-us/potting-guide



PRO-MIX RETAIL MIXES

Looking for retail PRO-MIX mixes? Consider combining the retail and grower mixes in one order to allow you to get drop ship pricing. Browse the retail catalog for the full lineup.

PRO-MIX Premium Garden Mix



Perfect for planting in-ground outdoor plants as well as improving the quality of existing garden bed soil. It is specially formulated with a high percentage of peat humus and compost, making it the mix to use for plants that require more stability such as perennials and flowering shrubs. It also contains MycoActive™ Organic Growth Enhancer to produce vigorous plants.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-----------|--------|
| 80310027 | 1 cu. ft. | 025849111205 | 1010020RG | 120/10 |
| 80310028 | 2 cu. ft. | 025849107208 | 1010020RG | 54/54 |

PRO-MIX Premium All Purpose Mix



Ready-to-use, this peat-based mix is perfect for indoor and outdoor planting. Specially formulated for a wide range of plant species this mix offers ideal water holding, nutrient retention, and aeration properties. Plus the added benefit of MycoActive™ Organic Growth Enhancer, for guaranteed results!

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-----------|--------|
| 80310019 | 2 cu. ft. | 025849113308 | 1020030RG | 50/5 |

PRO-MIX Premium Potting Mix



Ready-to-use, this peat-based mix is perfect for all indoor and outdoor container planting. Specially blended for a wide range of plant species, this formulation provides optimum aeration, drainage and nutrients and features MycoActive™ Organic Growth Enhancer to produce vigorous plants.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-------------|--------|
| 80310025 | 16 qt. | 025849110109 | 1016010RGCE | 6/6 |
| 80310017 | 1 cu. ft. | 025849111106 | 1010010RG | 120/10 |
| 80310053 | 2 cu. ft. | 025849003050 | 0305RG | 35/35 |
| 80310018 | 2 cu. ft. | 025849107109 | 1020010RG | 54/54 |



PRO-MIX Premium Organic Vegetable & Herb Mix



OMRI-Listed and Ready-to-use, this compost-free, peat-based mix is perfect for all your vegetable, fruit, and herb garden needs, whether in-ground or in containers. It is specially formulated with an organic fertilizer that provides gradual feeding to your plants. The gypsum for amazing tomato growth, and MycoActive™ Organic Growth Enhancer helps produce greater yields and vigorous growth.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-----------|--------|
| 80310013 | 1 cu. ft. | 025849111519 | 1010051RG | 120/10 |
| 80310014 | 2 cu. ft. | 025849107512 | 1020051RG | 54/6 |

PRO-MIX PREMIUM ORGANIC POTTING MIX

- With MYCOACTIVE® technology
- Formulated with natural ingredients
- Suitable for all container planting needs
- Contains compost-free organic material and mycorrhizae for vigorous plant

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-----------|---------|
| 80310071 | 1 cu. ft. | 025849111113 | 1010011RG | 120/120 |

PRO-MIX PREMIUM ALL PURPOSE ORGANIC GARDEN MIX

- With MYCOACTIVE® technology
- Formulated with natural ingredients
- Ideal for raised beds and all outdoor planting needs
- Contains organic material and mycorrhizae for plant health

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-----------|--------------|-----------|---------|
| 80310072 | 1 cu. ft. | 025849111212 | 1010021RG | 120/120 |

Premier Sphagnum Peat Moss



Sphagnum peat moss is well suited for both indoor and outdoor applications. It conditions all soils by improving aeration and it is used as a soil amendment for gardens as well as preparation and restoration of lawns.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|--------|--------|
| 80310007 | 1 cu. ft. | 025849002626 | 0262P | 100/10 |
| 80310001 | 2 cu. ft. | 025849001285 | 0128P | 50/50 |
| 80310010 | 3.8 cu. ft. | 025849000820 | 0082P | 30/30 |

Due to harvest and supply challenges straight peat moss availability at our branches may vary.

PRO-MIX

GROWING MEDIA SUGGESTIONS CHART

| | Peat | Perlite | Southern Pine Bark | Water Retention | Drainage | Comments |
|-------------------------|-------------|---------|--------------------|-----------------|----------|-----------------|
| GERMINATION | | | | | | |
| FPX BIO-FUNGICIDE | 80-90% Fine | Fine | - | Medium | High | |
| PACKS | | | | | | |
| MPX | 85-95% | Regular | - | High | Low | |
| BX | 75-85% | Regular | - | Medium-High | Medium | |
| HP | 65-75% | Regular | - | Low | High | |
| POTS: 4" - 8" | | | | | | |
| BX | 75-85% | Regular | - | Medium-High | Medium | |
| HP | 65-75% | Regular | - | Low | High | |
| BK | 60-70% | Regular | <1/2 In | Medium | Medium | |
| HANGING BASKETS | | | | | | |
| HPCC | 65-75% | Regular | - | High | Medium | With Chunk Coir |
| BX | 75-85% | Regular | - | Medium-High | Medium | |
| MPX | 85-95% | Regular | - | High | Low | |
| BK | 60-70% | Regular | <1/2 In | Medium | Medium | |
| SPECIALITY CROPS | | | | | | |
| MUMS | | | | | | |
| BK | 60-70% | Regular | <1/2 In | Medium | Medium | |
| PERENNIALS | | | | | | |
| HPCC | 65-75% | Regular | - | High | Medium | With Chunk Coir |
| BK | 60-70% | Regular | <1/2 In | Medium | Medium | |
| BKH | 25-35% | Regular | <1/2 In | Low | Med-High | |
| POINSETTIAS | | | | | | |
| MPX | 85-95% | Regular | - | High | Low | |
| HP | 65-75% | Regular | - | Low | High | |
| BX | 75-85% | Regular | - | Medium-High | Medium | |

*EC = Electrical conductivity

A VALUABLE RESOURCE

Sphagnum peat moss is an important component of growing media, and the peatlands it comes from must be managed in a responsible way. Our sustainable management of this valuable resource ensures a long-term supply for our customers and for future generations.

A GLOBAL COMMITMENT TO THE ENVIRONMENT

Premier Tech subscribes to the rational use of natural resources to do its share in terms of sustainable development. To minimize the impact of our activities, we comply with the industry's best environmental practices.

- ✓ A North American pioneer in peat bog restoration
- ✓ A dedicated team focused on sustainable peatland management
- ✓ Energy reduction programs in place



Premier Tech's peat moss comes from bogs that are certified under the Veriflora - Responsibly Managed Peatlands® Program. This certification ensures the application of good management principles in all aspects of sustainable development. The criteria include environmental assessment, social engagement and product quality.

LEARN MORE ABOUT
OUR SUSTAINABILITY
APPROACH





LAMBERT

PROFESSIONAL GROWING MIXES

History

Lambert Peat Moss Company, founded in 1928, is one of the true pioneers in developing the peat moss industry in North America. With the fourth generation of Lambert still operating from the original location in Rivière-Ouelle, Québec, along the south shore of the St-Lawrence River, we have expanded to several bogs along the north shore and near Lac St-Jean. Starting with the original product line of screened and bagged peat moss, we now offer numerous lines of professional growing mixes and retail potting mixes as well as select types of premium peat moss.

Today, Lambert supplies both the amateur horticulturists and professional growers alike. A nationally based distribution network and strong individual product representation is always bringing new products to the trade. Lambert is able to supply the market at competitive prices to distributors and commercial users throughout Canada, United States and Mexico via ground transportation. In order to offer our clients the most efficient means of transportation, Lambert ships directly from their production plants and from their distribution center in Beloeil, near Montréal, Québec.

Quality First...

A Priority At Lambert

Laboratory Lambert

Quality has always been a priority at Lambert, that's why the company owns a complete quality control laboratory. The laboratory staff developed standards and procedures to make sure that every cubic foot of product that leaves our yard complies with our standards. Quality control procedures are also developed regularly to increase the quality of our products. Procedures can be divided into three areas: chemical, physical and packaging. To comply with chemical standards, our products are sampled and analyzed for pH, EC and S.M.E. levels. To assure that physical standards are respected, we analyze particle size distribution, porosity and moisture content. Also, we regularly measure the yield and the firmness of our bags. Finally we run random greenhouse tests in order to evaluate our products' performances. What is not good for us, is not good for you. Therefore, a product that does not conform completely to one or the other of our tested parameters stay in our yard.

Technical Assistance

Their technical staff made up of experienced agronomists and soil technicians is always ready to help their customers with any questions they may have, whether it is about peat moss or on how to use their different products.

Most Favored EPM Mixes:

Grower Friendly! Very Forgiving Mixes!

EcoPeatPlus+® is a natural wood fiber from the peat bog added to our peat moss to produce superior professional substrates with exceptional ratio of air porosity and water holding capacity.

EPM-40 High Porosity Mix

The great amount of EcoPeatPlus+® enhances drainage and porosity. This media is recommended for use in large container, perennials and nursery crops.

EPM-20 All Purpose Mix

The well balanced amount of EcoPeatPlus+® and perlite provides the ideal general purpose mix in greenhouse production in 4 inch pots and larger.

Lambert... At the root of your success since 1928.





LM & EPM - All Purpose Mixes

LM-111 - All Purpose Mix

Blend of coarse Canadian sphagnum peat moss, chunks and perlite. This media is formulated by combining the major components of both LM-3 and LM-6. A Lambert best seller!

Particle size: Coarse **Drainage:** Medium **Water retention:** Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| Calcitic limestone | Starter charge |

Item: 149-0036 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0038 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

LM-111 - Organic All Purpose Mix



Blend of coarse premium Canadian sphagnum peat moss, chunks and perlite with an organic wetting agent and an extended-release organic fertilizer. Ideal for plants that require good aeration and drainage. Lambert's best seller in organic available!

Particle size: Coarse **Drainage:** Medium **Water retention:** Medium

Components:

| | |
|--|---------------------------------|
| Canadian sphagnum peat moss (80 - 90%) | Dolomitic limestone |
| Horticultural coarse perlite | Organic Wetting agent |
| Calcitic limestone | Organic slow release fertilizer |

Item: 149-0104 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0106 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

LM-3 - All Purpose Mix

Formulated from a blend of coarse Canadian sphagnum peat moss, coarse perlite and medium vermiculite. This substrate is an excellent general or all purpose media. A Lambert Classic Mix!

Particle size: Coarse **Drainage:** Medium

Water retention: Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Calcitic limestone |
| Horticultural coarse perlite | Dolomitic limestone |
| Horticultural medium vermiculite | Wetting agent |
| | Starter charge |

Item: 149-0031 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0033 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

LM-191 - All Purpose Mix

LM-191 All Purpose Mix is a less coarser version of our best selling all purpose mix, the LM-111. An additional step in the screening process of the peat was done to allow this all-purpose mix to be more widely adaptable, including the utilization in six pack, 50 and 72 cavities trays.

Particle size: Medium **Drainage:** Medium **Water retention:** Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| Calcitic limestone | Starter charge |

Item: 149-0535 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0537 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

EPM-20 - All Purpose Mix

Blend of coarse Canadian sphagnum peat moss, EcoPeatPlus+® and perlite. The well balanced amount of EcoPeatPlus+® and perlite provide the ideal general purpose mix.

Particle size: Coarse **Drainage:** Medium **Water retention:** Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (70 - 80%) | Calcitic limestone |
| EcoPeatPlus+® | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| | Starter charge |

Item: 149-0046 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0048 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30



2025

GFM - Green Formula Mixes

GFM- PC-25 High Porosity Peat-Coir Mix

Lambert The Green Formula PC-25 High Porosity Peat & Coir Mix is designed to procure excellent ratio of drainage, air porosity and water retention.

Particle size: Extra Coarse **Drainage:** High **Water retention:** Medium

| | |
|---|-----------------------|
| Components: | Horticultural perlite |
| Long-fibered Canadian sphagnum peat moss and large peat chunks (50-60%) | Calcitic limestone |
| Coconut Coir | Dolomitic limestone |
| | Wetting agent |
| | Starter charge |

Item: 149-0123 **Size:** 2.8 cu. ft. **Qty/plt:** 48

GFM – PC-15 All Purpose Peat-Coir Mix

Lambert The Green Formula PC-15 All Purpose Peat & Coir Mix is the perfect all purpose mix combining the physical properties of our best seller LM-111 and the advantage of coir.

Particle size: Coarse **Drainage:** Medium **Water retention:** Medium

| | |
|--|---------------------|
| Components: | Calcitic limestone |
| Canadian sphagnum peat moss (60 - 70%) | Dolomitic limestone |
| Coconut Coir | Wetting agent |
| Horticultural coarse perlite | Starter charge |

Item: 149-0118 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 48

Professional Peats

White Premium High Yield (0 – 20 mm)

This fibrous grade particle size peat moss is the perfect choice for growers who formulate their media. The physical properties of this peat allows optimum water-holding capacity and drainage. Blended with aggregates, this peat has a very wide range of uses. This peat has a high compression ratio resulting in higher yields per bale than most standard peat grades.

Components:

Premium coarse Canadian sphagnum peat moss 100% - (0-20 mm)

Item: 149-0512 **Size:** 3.8 cu. ft. **Qty/plt:** 30

LM - Peat Bark Substrates

Formulated from selected Canadian sphagnum peat moss blended with aged bark and perlite. Great for growers that use large containers and for outdoor productions areas. Ideal for perennials, hardy mums and nursery stocks. Mixes that provides weight for container grown crops.

LM -8

Particle size: Mix **Drainage:** Coarse **Water retention:** Medium

| | |
|--------------------------------------|---------------------|
| Components: | Calcitic limestone |
| Canadian sphagnum peat moss (60-70%) | Dolomitic limestone |
| Aged bark | Wetting agent |
| Horticultural coarse perlite | Starter charge |

Item: 149-0109 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 42

LM -16

Particle size: Coarse **Drainage:** Coarse **Water retention:** High

| | |
|--------------------------------------|---------------------|
| Components: | Calcitic limestone |
| Canadian sphagnum peat moss (45-55%) | Dolomitic limestone |
| Aged bark | Wetting agent |
| Horticultural coarse perlite | Starter charge |

Item: 149-0111 **Size:** 2.8 cu. ft. Loose **Qty/plt:** 42



LM - Germination, Plugs & Seedlings Mixes



LM-1 Germination Mix

LM-1 Germination Mix is a blend of fine-fibered Canadian sphagnum peat moss along with fine vermiculite and perlite to help promote aeration and ideal water holding capacity.

Particle size: Fine **Drainage:** Low **Water retention:** High

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Calcitic limestone |
| Horticultural fine perlite | Dolomitic limestone |
| Horticultural fine vermiculite | Wetting agent |
| | Starter charge |

Item: 149-0006 **Size:** 3.0 cu. ft. **Qty/plt:** 48

LM-2 - Germination Mix

Made of fine Canadian sphagnum peat moss mixed with fine vermiculite to increase water retention. LM-2 is formulated for plugs and transplants.

Particle size: Fine **Drainage:** Low **Water retention:** High

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Calcitic limestone |
| Horticultural fine vermiculite | Dolomitic limestone |
| | Wetting agent |
| | Starter charge |

Item: 149-0011 **Size:** 3.0 cu. ft. **Qty/plt:** 48

LM-118 - Germination Mix

Composition of fine Canadian sphagnum peat moss and fine perlite. LM-118 is a media formulated to promote effective and uniform seed germination. The reduced amount of perlite contributes to a slightly higher water retention compared to the conventional LM-18.

Particle size: Fine **Drainage:** Low **Water retention:** Medium High

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (85 - 95%) | Calcitic limestone |
| Horticultural fine perlite | Dolomitic limestone |
| | Wetting agent |
| | Starter charge |

Item: 149-0163 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0164 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

LM-18 - Germination Mix

Composition of fine Canadian sphagnum peat moss and fine perlite. LM-18 is a media formulated to promote effective and uniform seed germination. The added amount of perlite contributes to the germination by increasing air space and drainage.

Particle size: Fine **Drainage:** Low **Water retention:** Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (80 - 90%) | Dolomitic limestone |
| Horticultural fine perlite | Wetting agent |
| Calcitic limestone | Starter charge |

Item: 149-0016 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48

Item: 149-0018 **Size:** 3.8 cu. ft. Comp. **Qty/plt:** 30

LM-19 Germination Mix

Lambert LM-19 Germination Mix is a composition of fine Canadian sphagnum peat moss and coarse perlite. LM-19 is a media formulated to promote effective and uniform seed germination like the LM-18, but for a grower used to working with coarse grade perlite. That specific amount of perlite contributes to the germination by increasing air space and drainage.

Particle size: Fine **Drainage:** Low **Water retention:** Medium

Components:

| | |
|--------------------------------------|---------------------|
| Canadian sphagnum peat moss (75-85%) | Calcitic limestone |
| Horticultural coarse perlite | Dolomitic limestone |
| | Wetting agent |
| | Starter charge |

Item: 149-0021 **Size:** 3.0 cu. ft. Loose **Qty/plt:** 48



High Porosity Mixes

LM-6 - High Porosity Mix

High porosity growing media with long-fibered Canadian sphagnum peat moss including the addition of large peat chunks and coarse perlite. LM-6 is designed for crops that require higher air capacity and drainage.

Particle size: Extra Coarse **Drainage:** High **Water retention:** Low

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (75 - 85%) | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| Calcitic limestone | Starter charge |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0056 | Size: 3.0 cu. ft. Loose | Qty/plt: 48 |
| Item: 149-0058 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

LM-6 - Organic High Porosity Mix



Combination of premium long-fibered Canadian sphagnum peat moss, chunks and coarse perlite with an organic wetting agent and an extended-release organic fertilizer. Ideal for plants that require higher aeration and drainage.

Particle size: Extra Coarse **Drainage:** High **Water retention:** Low

Components:

| | |
|--|---------------------------------|
| Canadian sphagnum peat moss (75 - 85%) | Dolomitic limestone |
| Horticultural coarse perlite | Organic wetting agent |
| Calcitic limestone | Organic slow release fertilizer |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0091 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |
|-----------------------|--------------------------------|--------------------|

LM-40 - High Porosity Mix

High porosity growing media designed with long-fibered Canadian sphagnum peat moss including the addition of large peat chunks and coarse perlite. It is perfectly suitable for hydroponic production.

Particle size: Coarse **Drainage:** High **Water retention:** Low

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (55 - 65%) | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| Calcitic limestone | Starter charge |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0063 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |
|-----------------------|--------------------------------|--------------------|

EPM-40 - High Porosity Mix

Blend of coarse Canadian sphagnum peat moss and EcoPeatPlus®. The great amount of EcoPeatPlus® enhances drainage and porosity. This media is recommended for use in large container, perennials and nursery crops.

Particle size: Extra Coarse **Drainage:** High **Water retention:** Medium

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (55 - 65%) | Dolomitic limestone |
| EcoPeatPlus® | Wetting agent |
| Calcitic limestone | Starter charge |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0064 | Size: 3.0 cu. ft. Loose | Qty/plt: 48 |
| Item: 149-0066 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

GFM- High Porosity Mix

High porosity growing media with long-fibered Canadian sphagnum peat moss including the addition of large peat chunks and coarse perlite. **Specially designed for crops that require higher air capacity and drainage.**

Particle size: Extra Coarse **Drainage:** High **Water retention:** Low

Components:

| | |
|---|---------------------|
| Long-fibered Canadian sphagnum peat moss and large peat chunks (75 - 85%) | Calcitic limestone |
| Horticultural coarse perlite | Dolomitic limestone |
| | Wetting agent |
| | Starter charge |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0128 | Size: 2.8 cu. ft. Loose | Qty/plt: 48 |
| Item: 149-0130 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

EPM-50 - High Porosity Mix

Blend of coarse Canadian sphagnum peat moss, EcoPeatPlus® and perlite. The great amount of EcoPeatPlus® and perlite enhance higher drainage and porosity. This media is recommended for use in large container, perennials and nursery crops. The ideal high porosity mix

Particle size: Coarse **Drainage:** High **Water retention:** Low

Components:

| | |
|--|---------------------|
| Canadian sphagnum peat moss (45 - 55%) | Calcitic limestone |
| EcoPeatPlus® | Dolomitic limestone |
| Horticultural coarse perlite | Wetting agent |
| | Starter charge |

| | | |
|-----------------------|--------------------------------|--------------------|
| Item: 149-0069 | Size: 3.0 cu. ft. Loose | Qty/plt: 48 |
| Item: 149-0071 | Size: 3.8 cu. ft. Comp. | Qty/plt: 30 |

LAMBERT RETAIL MIXES

Looking for retail Lambert mixes? Consider combining the retail and grower mixes in one order to allow you to get drop ship pricing. Browse the retail catalog for the full lineup.



Professional Organic All Purpose Mix



This ready to use, environmentally friendly peat-based substrate promotes healthy and rapid plant growth for all your favorite flowers, vegetables, herbs, trees and shrubs. Uses: all purpose, bedding plants, flowering plants, hanging baskets, foliage, cuttings, seed germination, interiorscapes, whiskey barrels and window boxes.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|---------------|------------|--------|
| 81940015 | 1.0 cu. ft. | 0664980 64610 | 6649806461 | 91/10 |
| 81940016 | 2.0 cu. ft. | 0664980 64641 | 6649806464 | 65/10 |

Complete Potting Mix w/Moisture Crystals

Complete Potting Mix with Moisture Crystals is specially formulated to optimize the water retention of the mix and to maintain good aeration for good plant growth.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|------------|--------|
| 81940038 | 1.0 cu. ft. | 066498097588 | 6649809758 | 91/10 |
| 81940039 | 2.0 cu. ft. | 066498097595 | 6649809759 | 65/10 |

Gardening Soil - for Flowers and Vegetables



Ideal for adding organic matter to your vegetable and flower beds. The organic material in this soil helps improve aeration of clay soils and increases water retention in sandy soils. The peat moss can reduce the loss of fertilizer through leaching in addition to helping to protect the soil against drying and curing.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|------------|--------|
| 81940009 | 1.5 cu. ft. | 066498064306 | 6649806430 | 75/10 |

Trees & Shrubs Planting Mix



The texture of this soil will promote its soil incorporation. With its pH adjusted, it will loosen the soil and peat contained therein will promote adequate ventilation to promote root growth.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|------------|--------|
| 81940011 | 1.5 cu. ft. | 066498064405 | 6649806440 | 75/10 |

All Purpose Organic Potting Mix



All Purpose Organic Potting Mix is a general purpose media with numerous applications for indoor and outdoor use such as hanging baskets and containers. It is a favorite amongst plant lovers. Adjusted pH combined with coarse perlite promotes aeration, drainage and assimilation of nutrients that are essential for optimum plant growth. This all purpose media is easy to use as it has been pre-moistened.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|-------------|------------|--------|
| 81940002 | 1.5 cu. ft. | 06649807630 | 6649806461 | 75/10 |

Peat Moss



An excellent soil amendment because of its capacity to retain water, aerate the soil and it is completely natural. It is certified by OMRI for organic production. Lambert Peat Moss helps retain moisture, aerate soil, and provide organic matter for gardens and flower beds.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|------------|---------|
| 81940032 | 3.8 cu. ft. | 066498021156 | 6649802115 | 30/30 |
| 81940030 | 2.2 cu. ft. | 066498041154 | 6649804115 | 50/50 |
| 81940029 | 1.0 cu. ft. | 066498051153 | 6649805115 | 100/100 |

Potting Mix



This Potting Mix is a general purpose media with numerous applications for indoor and outdoor use such as hanging baskets and containers. It is a favorite amongst plant lovers. The adjusted pH combined with perlite promotes aeration, drainage and assimilation of nutrients that are essential for optimum plant growth. This media is easy to use as it has been pre-moistened.

| Item # | Desc | UPC | Vendor | CS/UOS |
|----------|-------------|--------------|------------|--------|
| 81940008 | 1.5 cu. ft. | 066498064504 | 6649806450 | 75/10 |

LAMBERT

GROWING MEDIA SUGGESTIONS CHART

| | Peat | Perlite | Vermiculite | Water Retention | Drainage |
|------------------------|--|--------------|-------------|-----------------|----------|
| GERMINATION | | | | | |
| LM-18 | 80-90% Fine | Fine | | High | Low |
| LM-118 | 85-95% | Fine | | Medium High | Low |
| LM-1 | 80-90% Fine | Fine | Fine | Med | Low |
| LM-19 | 75-85% Fine | Coarse | | Med | Low |
| LM-2 | 80-90% Fine | | Fine | High | Low |
| PACKS | | | | | |
| LM-191 | 80-90% Medium | Coarse | | Med | Med |
| LM-111 | 80-90% Coarse+Chunks | Coarse | | Med | Med |
| LM-19 | 75-85% Fine | Coarse | | Med | Low |
| LM-3 | 80-90% Coarse | Coarse | Coarse | Med | Med |
| POTS: 4" - 8" | | | | | |
| LM-111 | 80-90% Coarse+Chunks | Coarse | | Med | Med |
| EPM-20 | 70-80% Coarse w/20% EcoPeatPlus+® | Coarse | | Med | Med |
| EPM-40 | 55-65% Extra Coarse w/40% EcoPeatPlus+® | | | Med | High |
| EPM 50 | 45 - 55% | Coarse | | Low | High |
| HANGING BASKETS | | | | | |
| EPM-20 | 70-80% Coarse w/20% EcoPeatPlus+® | Coarse | | Med | Med |
| LM-111 | 80-90% Coarse+Chunks | Coarse | | Med | Med |
| MUMS | | | | | |
| EPM 40 | 55-65% Extra Coarse w/40% EcoPeatPlus+® | | | Med | High |
| LM-6 | 75-85% Extra Coarse+Chunks | Coarse | | Low | High |
| PERENNIALS | | | | | |
| EPM 40 | 55-65% Extra Coarse w/40% EcoPeatPlus+® | | | Med | High |
| EPM 50 | 45 - 55% | Coarse | | Low | High |
| EPM 20 | 70-80% Coarse w/20% EcoPeatPlus+® | Coarse | | Med | Med |
| LM-111 | 80-90% Coarse+Chunks | Coarse | | Med | Med |
| POINSETTIAS | | | | | |
| LM-111 | 80-90% Coarse+Chunks | Coarse | | Med | Med |
| LM-6 | 75-85% Extra Coarse+Chunks | Extra Coarse | | Low | High |
| EPM 50 | 45-55% Extra Coarse w/40% EcoPeatPlus+® | Extra Coarse | | Low | High |



PBH Parboiled Rice Hulls

PBH Parboiled Rice Hulls are a uniquely processed rice hull product from Riceland Foods, Inc. with multiple uses in greenhouses and nurseries. Highly compressed packaging in your choice of a 30-cubic-foot bulk bale or 50-pound bag generates less waste, lowers freight costs and minimizes storage and handling. OMRI Listed® and WSDA registered.

Use PBH Parboiled Rice Hulls as a media amendment for the perfect replacement for perlite in the growing media or as a container topdress to significantly improve weed control for just pennies per container.

Media Amendment Guidelines

- Recommended PBH use rate is 20 to 30% of total growing media
- Media with 20% PBH has approximately 10% air-filled pore space
- Media with 30% PBH has approximately 20% air-filled pore space
- Add PBH last when mixing media
- When replacing another component with PBH, conduct comparisons to determine desired growing media characteristics and meet individual cultural conditions and growth requirements
- PBH has a 6.2 to 6.6 pH range
- PBH has very little nutritional value, fertilize accordingly

Topdressing Guidelines

- Allow space at top of container at transplant
- Apply 1 to 2 inches of PBH on top of media
- Cover entire container surface
- Continue to use granular herbicide where appropriate

OMRI Listed® and WSDA registered.

PBH Yield Information 30 cu. ft. bales have a 3:1 compression to yield in excess of 90 cubic feet of material.

Item: 64-3000 **Size/Qty:** Skid of 16 - 7 cu. ft. bales
Item: 64-3030 **Size/Qty:** Skid of 3 - 30 cu. ft. bales



Rice Hull Blower

- Save time and labor with mechanizing your Rice Hull application process
- Application rate of 185 cf/hour of hulls (26 bales/hour)
- Hopper size of 3 to 4 bales (50 lb bales)
- Honda GX200 engine allow hulls to be delivered through 100 ft of hose. Integrated manual hose reel for ease of use.
- 3 Year Warranty
- Go to www.Stilt.Pro for other labor saving innovation and more information

Coco Coir



Evocoir

High quality, washed and buffered coir in key forms. Open top bags are especially popular for cannabis cultivation.

- Low EC (<0.05 mmos/cm), fully washed and buffered
- Sustainable, responsibly sourced, highly managed from Sri Lanka factory
- Bagged material predrilled for drip stakes and plant placement
- Professional Open Top bags (POTs) ship with pre-cut drain holes



| Item # | Description | Volume or Case Count | Dimensions | Per Pallet |
|--|---|----------------------|---------------------|------------|
| POTs – all with compressed 30/70 blocks (30% chip, 70% 16 mm pith) in biodegradable, nonwoven fabric | | | | |
| 150-0001 | Evocoir EC Platinum Open Top 1 Gal Biodegradable Coir | 1 gal | 7"x6"x8" | 950 |
| 150-0002 | Evocoir EC Platinum Open Top 2 Gal Biodegradable Coir | 2 gal | 7.5"x7.5"x9.5" | 650 |
| 150-0003 | Evocoir EC Platinum Open Top 3 Gal Biodegradable Coir | 3 gal | 9.8"x7.8"x8.8" | 450 |
| Grow Cubes – Non-woven, closed top, biodegradable fabric with precut drain and planting holes, pre-drilled planting hole in the compressed coir | | | | |
| 150-0021 | Evocoir EC Platinum Grow Cube 4x4 | 210/box | 10cm x 10cm x 7cm | 5040 |
| 150-0020 | Evocoir EC Platinum Grow Cube 6x6 | 68/box | 15cm x 15cm x 10 cm | 1632 |
| Loose fill bags – Fluffed and ready for planting. 70/30 Coco: perlite blend | | | | |
| 150-0010 | Evocoir EC Platinum 50 L 70/30 Coco Perlite | 1.75 cu ft | – | 90 |
| 150-0011 | Evocoir EC Platinum 80 L 70/30 Coco Perlite | 2.8 cu ft | – | 60 |



Pro-Mix CX

Carefully formulated and produced coir products from an industry leader in potting soils. 100% super washed blend of pith and chunks. Ships as compressed blocks in plastic bags with Eco-One organic additive for enhanced biodegradability when placed in a biologically active landfill. Bags have pre-cut drain holes. Blocks are pre-drilled for drip stakes and plant placement.



| Item # | Description | Volume | Compressed Size | Expanded Size | Per Pallet |
|---------|---|--------|--|---|------------|
| 94-1310 | Pro-Mix 1 Gal Open Top Bag CX Growing Media | 1 gal. | CM: 14.3 x 14.3 x 2.8 Inches: 5.6 x 5.6 x 1.1 | CM: 15 x 15 x 15 Inches: 5.9 x 5.9 x 5.9 | 2721 |
| 94-1311 | Pro-Mix 2 Gal Open Top Bag CX Growing Media | 2 gal. | CM: 19.5 x 19.5 x 4 Inches: 7.7 x 7.7 x 1.6 | CM: 21 x 21 x 17 Inches: 8.3 x 8.3 x 6.7 | 1240 |
| 94-1312 | Pro-Mix 3 Gal Open Top Bag CX Growing Media | 3 gal. | CM: 23.5 x 23.5 x 4.5 Inches: 9.3 x 9.3 x 1.8 | CM: 25 x 25 x 18 Inches: 9.8 x 9.8 x 7.1 | 800 |
| 94-1313 | Pro-Mix 5 Gal Open Top Bag CX Growing Media | 5 gal. | CM: 27.5 x 27.5 x 5.5 Inches: 10.8 x 10.8 x 2.2 | CM: 30 x 30 x 21 Inches: 11.8 x 11.8 x 8.3 | 524 |



Professional Growing Mixes

Quality Mixes Begin with Quality Ingredients



Oldcastle APG's commitment to quality professional growing mixes begins with raw materials. Pine bark is aged, screened to size, and processed to ensure a consistent mix. High quality Canadian sphagnum peat moss is also a staple ingredient in most of their formulations. Their automated manufacturing lines are fully programmable to blend to your specifications. Computer controlled feed bins regulate the correct amount of each mix component, ensuring consistency in every bag or truckload.

Most mixes available in supersack and bulk. Compressed Bale and Towers available by way of Drop-Ship program. See Sales Representative for details.

C/B Growing Mix

| Components: | Suggested Uses: |
|------------------------|------------------|
| Canadian Peat Moss 45% | Flowering Plants |
| Aged Pine Bark | Foliage Plants |
| Perlite | Hanging Baskets |
| Vermiculite | Seeds & Cuttings |

Item: 148-0009 Size: 2.8 cu. ft. Qty/plt: 45

C/25 Growing Mix

| Components: | Suggested Uses: |
|------------------------|--------------------|
| Canadian Peat Moss 30% | Perennials |
| Aged Pine Bark | Roses |
| Perlite | Garden Mums |
| Vermiculite | Nursery Containers |
| | Interiorscapes |

Item: 148-0016 Size: 2.8 cu. ft. Qty/plt: 42

Growing Mix

| Components: | Suggested Uses: |
|------------------------|-----------------|
| Canadian Peat Moss 70% | Plugs |
| Medium Perlite | Seeds |
| Vermiculite | Cuttings |

Item: 148-0060 Size: 2.8 cu. ft. Qty/plt: 45

C/G Growing Mix

| Components: | Suggested Uses: |
|------------------------|------------------|
| Canadian Peat Moss 70% | Flowering Plants |
| Perlite | Foliage Plants |
| Vermiculite | Hanging Baskets |
| | Seeds & Cuttings |

Item: 148-0008 Size: 2.8 cu. ft. Qty/plt: 45

C/GV Growing Mix

| Components: | Suggested Uses: |
|------------------------|-----------------|
| Canadian Peat Moss 70% | Plugs |
| Vermiculite | Seeds |
| | Cuttings |

Item: 148-0061 Size: 2.8 cu. ft. Qty/plt: 45

C/L Growing Mix

| Components: | Suggested Uses: |
|------------------------|------------------|
| Canadian Peat Moss 50% | Flowering Plants |
| Aged Pine Bark | Foliage Plants |
| Perlite | Hanging Baskets |
| Vermiculite | Seeds & Cuttings |

Item: 148-0015 Size: 2.8 cu. ft. Qty/plt: 45

22/G Growing Mix

| Components: | Suggested Uses: |
|------------------------|-----------------|
| Canadian Peat Moss 50% | Bedding Plants |
| Aged Pine Bark | Hanging Baskets |
| Perlite | Mums |
| | Poinsettias |

Item: 148-0007 Size: 2.8 cu. ft. Qty/plt: 45

C/6 Growing Mix

| Components: | Suggested Uses: |
|------------------------|------------------|
| Canadian Peat Moss 50% | Flowering Plants |
| Aged Pine Bark | Bedding Plants |
| | Foliage Plants |

Item: 148-0020 Size: 2.8 cu. ft. Qty/plt: 45

C/20 Growing Mix

| Components: | Suggested Uses: |
|------------------------|------------------|
| Canadian Peat Moss 80% | Flowering Plants |
| Perlite | Foliage Plants |
| | Hanging baskets |

Item: 148-0012 Size: 2.8 cu. ft. Qty/plt: 45



Sphagnum Moss

- Ground Milled Sphagnum Moss is excellent for use in seed sowing
- Long Fiber Sphagnum Moss recommended for basket lining.

| Item | Description |
|-----------|--------------------------------------|
| 20-204500 | Long fiber Sphagnum Moss 3.5 cu. ft. |

2025

SOILLESS MEDIA FOR RETAIL

YOUR RETAIL CUSTOMERS DESERVE THE BEST TOO

Did you know Griffin also stocks retail soils from Premier and Lambert? Give your customers the same quality brands the pros know and trust. Browse our full lineup of consumer soils in our Retail catalog on griffins.com.



HydraFiber EZ Blend

Material that can be used without specialized processing equipment – is now giving many more growers great relief from rising material, manpower and shipping costs while producing superior plants.

Leading growers are using HydraFiber as an amendment or alternative to coir, perlite, peat and other growing mix substrates in their production and seeing positive effects on their plants and their business.

Item: 10-103932 **Size:** 40 lb Bale Comp. **Qty/plt:** 40

Jolly Gardener makes HydroFiber available in custom blended mixes.



Root Riot Plant Starter Cubes

Porous, stabilized, 100% sphagnum peat rooting cubes for seed and cutting propagation. Highly aerated, sponge-like consistency and texture for good water/air ratio. Formulated to support strong root development. 1 5/16" square, tapering to 1" square. 1 7/8" tall. Best used within six months of purchase.

| Item | Description | Per Case/Sold By |
|----------|------------------|------------------|
| 81860089 | Bag of 100 | 12/12 |
| 81860090 | Bag of 50 | 20/20 |
| 81860092 | Bulk Box of 1500 | 1/1 |

Vermiculite and Perlite



Whittemore is our primary partner for vermiculite and perlite for the central and eastern parts of the country. A family-owned company based in Lawrence, MA, Whittemore pops the product with their own furnaces for strong quality control of their horticultural products.

Vermiculite has a high water-holding capacity, good buffering characteristics and adequate cation-exchange capacity. It has an absorptive capacity for fertilizer. The mineral itself contains potassium, magnesium, and calcium available as a slow-release supply. Super Coarse Perlite is screened to remove finer particles. The perlite provides aeration and drainage, in addition to moisture retention for superior plant growth.



Location Availability
Central and Eastern States

| Item | Description |
|---------|---|
| 65-3110 | 23 lb. Whittemore Vermiculite A2 Fine (African) |
| 65-3215 | 15 lb. Whittemore Vermiculite A3 Medium (African) |
| 65-3115 | 23 lb. Whittemore Vermiculite A3 Medium (African) |
| 65-3216 | 15 lb. Whittemore Vermiculite A4 Coarse (African) |
| 65-3116 | 23 lb. Whittemore Vermiculite A4 Coarse (African) |
| 65-3220 | 15 lb. Whittemore Vermiculite D3 Fine (Domestic) |
| 65-3120 | 23 lb. Whittemore Vermiculite D3 Fine (Domestic) |
| 65-2225 | 23 lb. Whittemore Perlite Super Coarse |
| 65-2125 | 15 lb. Whittemore Perlite Super Coarse |

2025



Griffin is pleased to add NorCal Perlite to our assortment as our primary partner for our customers in the mountain, desert southwest, and west coast states. Privately held, NorCal is vertically integrated, from mine to bag. NorCal ships from plants in Richmond, CA and Bakersfield, CA.

NorCal grades range from fine to extra coarse and descriptions may differ from other manufacturers. See descriptions or ask your Griffin sales rep for more information.

Location Availability
Mountain and Western States

| Item | Description | Bags/pallet |
|---------|---|-------------|
| 65-1600 | NorCal Perlite Standard #2 4 cf bag | 33 |
| 65-1601 | NorCal Perlite Standard #2 62 cf sack | 2 |
| 65-1602 | NorCal Perlite Premium #3 2 cf bag | 70 |
| 65-1603 | NorCal Perlite Premium #3 4 cf bag | 33 |
| 65-1604 | NorCal Perlite Premium #3 62 cf sack | 2 |
| 65-1605 | NorCal Perlite Hydro 4+ Plus 4 cf bag | 33 |
| 65-1606 | NorCal Perlite Hydro 4+ Plus 62 cf sack | 2 |
| 65-1607 | NorCal Vermiculite Med 2 cf bag | 70 |
| 65-1608 | NorCal Vermiculite Med 4 cf bag | 36 |
| 65-1609 | NorCal Vermiculite Med 62 cf sack | 2 |
| 65-1610 | NorCal Vermiculite Coarse 4 cf bag | 36 |
| 65-1611 | NorCal Vermiculite Coarse 62 cf sack | 2 |

*62cf totes via drop ship only

US mesh size and sieve retain rates

| Grade | 4 | 6 | 8 | 16 | 20 | Granular Size |
|--------------|-----|-----|-----|-----|------|---------------|
| #2 (medium) | 17% | 40% | 65% | 88% | 95% | 1/16" - 5/8" |
| #3 (medium) | 23% | 45% | 68% | 92% | 97% | 1/8" - 5/8" |
| #4+ (chunky) | 50% | 90% | 98% | 99% | 100% | 1/8" - 5/8" |

NorCal Vermiculite Grades

| Grade | Particle size | Typical loose bulk density | Lbs/cu ft |
|---------------------|---------------|----------------------------|-----------|
| Fine | 0.7-3 mm | 75-85 | 6-7 |
| Medium | 1-8 mm | 70-85 | 5-6 |
| Coarse/Extra Coarse | 3-15 mm | 60-75 | 4-6 |



ASB Greenworld operates peat bogs around the world and formulates their blends with high quality, blonde peat for optimum structure and water holding properties in their mixes. Available in bags, bales, big bales (towers), and retail package sizes. Single plant production in Canada means grower and retail products can ship together for drop ships. With ongoing equipment investment, ASB Greenworld serves growers throughout North America and the world.



ASB Peat Moss with 15% Wood Fiber (Blend) #315640

A simple blend of 85% Canadian Sphagnum peat moss and 15% HydraFiber wood fiber. Note that this is intended for use as a raw input and requires the addition of lime, wetting agent, and starter charge for most production situations.

Item: 122-0002 Size: 3.8 cu. ft. Comp. Qty/plt: 30



ASB Grower Mix with 15% Perlite #310830/313667

A solid choice for an all-purpose potting mix, this blend of 85% Canadian sphagnum peat moss and 15% coarse perlite provides the structure and drainage your crops need to perform in flats and pots. pH balanced to 5.0-5.9 with wetting agent and a starter charge.

Item: 122-0008 Size: 2.8 cu. ft. Loose Qty/plt: 45
Item: 122-0005 Size: 3.8 cu. ft. Comp. Qty/plt: 30



ASB Grower Mix with 15% Wood Fiber #314970/314972

Growers mix of 85% Canadian sphagnum peat moss and 15% HydraFiber wood fiber. Well suited to production in pots. pH balanced with wetting agent and starter charge.

Item: 122-0007 Size: 2.8 cu. ft. Loose Qty/plt: 45
Item: 122-0004 Size: 3.8 cu. ft. Comp. Qty/plt: 30



ASB Seed and Plug Mix #313847/313845

Finer grade inputs to support germination and young root development with higher water holding capacity. 85% screened Canadian sphagnum peat moss, 15% fine perlite. pH adjusted to 4.7-5.7. Formulated with wetting agent and mild starter charge.

Item: 122-0009 Size: 2.8 cu. ft. Loose Qty/plt: 45
Item: 122-0006 Size: 3.8 cu. ft. Comp. Qty/plt: 30



ASB Grower Grade Peat Moss #310841

100% Canadian sphagnum peat moss.

Item: 122-0010 Size: 3.8 cu. ft. Comp. Qty/plt: 30



Jiffy Pellets



BETTER, FASTER
GERMINATION



LABORSAVING



STRONGER ROOTS



FOOD SAFE



SUSTAINABLE



ORGANIC

2025

Great germination, higher profits

Jiffy Pellets are an open-wall, net container and medium all in one. They are easy to work with, economical to ship (being supplied as lightweight, highly compressed, dry discs) and they transplant well, either into larger containers, or directly into the ground.

Jiffy-7 Pellets

The Jiffy-7 Pellets is a unique concept packing amazing cost saving advantages for the grower on the lookout to minimize input costs. Jiffy-7 Pellets, media and container in one, comes compressed, saving on freight and logistics. Jiffy-7 Pellets is available in many sizes and tray configurations and suited to be used in fully automated sticking lines.

| Item | Vendor | Description | Pellets/cs |
|----------|----------|--|------------|
| 60-2511 | 70001758 | J7 Hort Peat Pel 25x35 PLA Net Stacked | 3,312 |
| 60-2339 | 70001655 | J7 Organic Peat Pel 36x41 PLA Net Stacked | 1,700 |
| 60-2332 | 70001476 | J7 Organic Peat Pel 42x43 PLA Net Stacked | 1,000 |
| 60-2338* | 70000107 | J7 Hort Peat Pel 50x95-PLA Net, 50x95mm | 486 |
| 60-2537* | 70001509 | J7 Organic Peat Pellet 70x70 PLA Net Stacked | 180 |
| 60-2538* | 70001507 | J7 Hort Peat Pel 70x100 18l PLA Net Stacked | 120 |

Non-stock*

Options for CEA

| | | | |
|---------|----------|--|------|
| 60-2539 | 70001566 | J7 Organic Peat Pel 18x42-300 CN With Hole H PLA Net | 7500 |
| 60-2540 | 70001372 | J7 Organic Peat Pel 21x35WH-162 11 mm Cone indent PLA Net | 2916 |
| 60-2542 | 70001674 | J7 Organic Peat Pel 30x40-105 11i WH PLA Net | 1995 |
| 60-2543 | 70001432 | J7 Organic Peat Pel 30x65-105 PLA Net | 1470 |
| 60-2544 | 70001532 | J7 Organic Peat Pel 36x41-72WH 11mm Ind. No Precut & No aera | 2088 |
| 60-2545 | 70001572 | J7 Organic Peat Pel 42x55-50 no net on top PLA Net | 1200 |



What is PLA netting?

PLA netting is a lightweight fine-fiber web made of polylactic acid (PLA). This natural plant based material is 100% fossil plastic free, renewable and sustainable. PLA has a 65% lower production carbon footprint compared to polypropylene plastic.



Innovative Growing Media Solutions

Grodan stone wool media products enable precision growing. Made from basalt rock - Grodan products are favorites for propagation and production for many CEA and other long and short-term crops; including lettuce, tomatoes, peppers, cucumbers, cannabis, hemp, roses and gerbera. Grodan products arrive pathogen free.



2025



Grodan® Stonewool A-OK Starter Plugs

Starters are used for propagation, both seed starting and vegetative propagation. A-OKs ship as a full sheet (sized for a 10x20 tray); individual cubes are separated from the sheet and are suitable for sowing or sticking. The 1" A-OKs are particularly popular for use in NFT systems for lettuce and herb production. 1.5" A-OKs are popular for propagation of many crops, including cannabis. Starters come wrapped (W) or unwrapped (UW) with cellophane. UW are more economical, while W are suitable for retail and/or provide an extra layer of protection against contamination in dusty storage areas.

| Item | Description | Qty/case |
|---------|--|-----------------------------|
| 51-9022 | Grodan Starters 1" AOK UW, 1.0x1.57 (25/40) | 6000 |
| 51-9101 | Starters 1.5" AOK UW, 1.4x1.57 (36/40) | 2940 |
| 51-9002 | Starters 1.5" AOK W, 1.4x1.57 (36/40) | 2940 |
| 51-9106 | Grodan Starters 1.5 AOK , Pre-cut | 2310 plugs loose in box |
| 51-9105 | Grodan Starters 1.5 AOK, Pre-cut, pre-filled trays | 50 cubes/tray, 30 trays/box |
| 51-9035 | Starters 2" AOK UW, 2x1.57 (50/40) | 1500 |
| 51-9024 | Macroplugs, V-cut, 1.5x1.57 (36/40), 50 per bag | 35/bags |
| 51-9025 | Macroplugs, loose, V-cut, 1.5x1.57 (36/40) | 2000 |
| 51-9052 | Gro-Block Imp Mini Block UW 1.5" (40/40) | 2250/cs |



Gro-Smart Tray

Heavy-duty, double-sided, reusable tray holds starters during propagation. Perfectly fits in any standard 10x20 flat. Elevates starters from bottom of tray for better moisture management.

| Item | Description | Qty/case |
|---------|----------------------------------|----------|
| 51-9017 | Gro-Smart Tray - 9.25" x 20"x 2" | 5 |



Grodan® Stonewool A-OK Starter Plugs™ in Prefilled tray

The Grodan tray comes prefilled with Grodan A-OK Starter Plugs™ for fast and easy propagation from seeds or cuttings prior to transplanting to Grodan Gro-Blocks. The tray fits perfectly in all standard propagation dome kits. These trays are designed with a unique and convenient thumb slot to make tray removal easy and comfortable. 50 plugs per tray, 30 trays per carton.

| Item | Description | Qty/case |
|---------|-----------------------------------|-------------------------|
| 51-9106 | Grodan Starters 1.5 AOK , Pre-cut | 2310 plugs loose in box |



Gro-Blocks Improved

Optimized for cannabis and hemp, Improved Gro-Blocks bring optimal density and new hydrophilic technology for superior moisture management to support these fast-growing crops. Improved water distribution in the blocks results in more even root distribution with more branched roots and better water/nutrient uptake.

| Item | Description | Qty |
|---------|---|----------|
| 51-9165 | Gro-Block Imp GR4 UW Sm 3x3x2.6 w/Hole, 8/strip | 384/cs |
| 51-9168 | Gro-Block Imp GR6.5 UW Sm 4x4x2.6, 6/Strip | 216/cs |
| 51-9160 | Gro-Block Imp GR 10 UW Large, Loose, 4x4x4 | 1584/plt |
| 51-9171 | Gro-Block Imp GR10 UW Lg 4x4x4, 6/Strip | 144/cs |
| 51-9161 | Gro-Block Imp Jumbo, GR 22, 6x6x4 | 64/cs |
| 51-9162 | Gro-Block Imp Hugo, GR 32, 6x6x6 | 64/cs |
| 51-9163 | Gro-Block Imp Hugo Loose, GR 32, 6x6x6 | 512/plt |
| 51-9173 | Gro-Block Imp Uni-Block 8x8x4 | 36/cs |

Loose

Loose rockwool products are used with pots. Get the same great water holding capacity and air porosity as in blocks, but for use with any size container.

| Item | Description | Qty/case |
|---------|-------------------------------|-----------|
| 51-9031 | Grow Cubes L, 1x1, 3 bags/box | 2.0 cf |
| 51-9032 | Grow Cubes M, 1x1, 6 bags/box | 1.0 cf |
| 51-9033 | Grow Cubes, 1x1, loose pack | 5.0 cf |
| 51-9034 | Grow Chunks, 2x2, 3 bags/box | 2.0 cf |
| 51-9030 | Gro-Wool bag | 45 lb bag |

Grodan® Stonewool A-OK Starter Plugs™ Loose in Carton

A-OK Starter Plugs™ for starting seeds and rooting of cuttings prior to plugging into the larger Grodan Gro-Blocks. A-OK Starter Plugs™ come loose in a carton for those who prefer to saturate as individual plugs. Easy to use with propagation trays such as the Grow Smart Tray. Note: the AOK plugs are shipped as 2,310 individual loose plugs, bulk in the carton. There is no shrink-wrap.

| Item | Description | Qty/case |
|---------|--|--------------------------------|
| 51-9105 | Grodan Starters 1.5 AOK, Pre-cut, pre-filled trays | 50 cubes/tray, 30 trays/box |

Improved Gro-Slabs

Slabs are the final step in a slab production system. The new Improved Gro-Slabs are optimized for production of cannabis and hemp with Advanced Wetting Agent for more even water distribution and better wettability. Start with A-OK cubes, then set rooted cubes into Gro-Blocks. When plants are fully rooted in the Gro-Blocks, simply set on top of the slabs for the remainder of production. Utilize drip irrigation (inserted into the Gro-Block.)

| Item | Description | Qty/case |
|---------|------------------------------|----------|
| 51-9176 | Gro-Slab Imp 6" wide, 36x6x4 | 12 |
| 51-9177 | Gro-Slab Imp 6", 36x6x3 | 12 |
| 51-9178 | Gro-Slab Imp 8", 36x8x3 | 12 |
| 51-9179 | Gro-Slab Imp 12", 36x12x3 | 8 |



Pargro

The Pargro line of stone wool media products from Grodan brings excellent value to cannabis growers using basic irrigation strategies. With a moderate water holding capacity, Pargro blocks are more forgiving of heavier irrigation events. Growers using more technical crop steering methods will appreciate the additional water holding capacity offered by the Grodan Improved line.

| Item | Description | Qty/case |
|---------|-----------------------------|----------|
| 51-9183 | Pargro PAR6.5 Block Sm | 216 |
| 51-9185 | Pargro PAR10 Block Lg | 144 |
| 51-9187 | Pargro PAR22.5 Jumbo | 64 |
| 51-9189 | Pargro PAR32 Biggie | 64 |
| 51-9190 | Pargro Single Slab | 16 |
| 51-9191 | Pargro Slab 6" w/holes | 12 |
| 51-9194 | Pargro Slab 6" | 12 |
| 51-9192 | Pargro Slab 6" Tall w/holes | 12 |
| 51-9195 | Pargro Slab 6" Tall | 12 |
| 51-9193 | Pargro Slab 8" w/holes | 12 |
| 51-9196 | Pargro Slab 8" | 12 |

2025



Experienced industry supplier of coco coir from India and Sri Lanka.



Grow Slabs

Compressed coir in lay flat bags, Commonly used with tomatoes, cucumbers, peppers, strawberries and long lived cut flowers. Wet to fluff. White poly.

| Item | Description | Qty |
|-----------|---|-----|
| 58-19014 | 1 meter Grow Slab, True Blend (green), 70/30 blend (pith/fiber), 3'x 5"x 6" (OMRI listed) | 1 |
| 58-19044* | 1 meter Grow Slab, Berry Blend (red), 80/20 blend (pith/fiber) optimized for berry production. 3' x 5" x 6" (OMRI listed) | 1 |

*Allow 2-3 weeks lead time for delivery.

Grow Bags

Compressed media ships as bagged slabs in upright, open topped grow bags for production without pots. Wet to fluff to perfect level for planting.

| Item | Description | Qty |
|----------|---|-----|
| 58-19016 | Upright Grow Bag, 3 gal size, 8" x 7"x 10", white poly (OMRI listed) | 1 |
| 58-19030 | Upright Grow Bags, 3 gal size, 8"x7"x10", Root Kandy, Buffered Coir, white poly | 1 |

Super Sack, Standard, Fluffed Coco Coir

Pre-fluffed coco coir, 2 cubic yards per bag. Custom mixes available.

| Item | Description | Qty |
|-----------|--|-----|
| 58-19019* | Super Sack, Standard Bag, 100% Fluffed Coco Coir (OMRI listed) | 1 |
| 58-19027 | Super Sack, Standard Bag, 50/50 Coir/Perlite (OMRI listed) | 1 |
| 58-19028 | Super Sack, Standard Bag, 70/30 Coir/Perlite (OMRI listed) | 1 |

*Allow 2-3 weeks lead time for delivery.

AmeriCoco Bagged, Fluffed Coco Coir

Pre-fluffed coco coir, 1.5 cubic feet per bag. Custom mixes available.

| Item | Description | Qty |
|----------|--|-----|
| 81460005 | AmeriCoco Colombo Jumbo 100% Coir (OMRI listed) | 70 |
| 81460007 | AmeriCoco Brown Pearl 70/30 Coir/Perlite (OMRI listed) | 70 |
| 81460009 | AmeriCoco Root Kandy, 100% Buffered Coir | 70 |



OASIS® AeroMax™ Substrates

Take precision hydroponic production to the next level with input-responsive OASIS® AeroMax™ engineered foam substrates. Designed for maximum root zone air-to-water-ratio, these next-generation substrate innovations from Oasis Grower Solutions excel at supporting crops, climates, conditions and systems with lower water demand.

OASIS® AeroSelect™ Substrates

Turn water-demanding operational conditions and crops to your advantage with input-responsive OASIS® AeroSelect™ engineered hydroponic substrates. Designed for precision hydroponic farming, these grower-driven next-generation substrates were created specifically to support crops, climates, conditions and systems with higher water demand.

| Item | Vendor | Description | Sheets Per Cs |
|--------------|----------|---|---------------|
| 54-1226 | 87-70501 | 50 CT OASIS® AeroMax™ PlugSheet, Singleseed | 20 |
| 54-1227 | 87-70502 | 50 CT OASIS® AeroMax™ PlugSheet, Multiseed | 20 |
| 54-1228 | 87-71041 | 104 CT OASIS® AeroMax™ PlugSheet, Singleseed | 20 |
| 54-1229 | 87-71042 | 104 CT OASIS® AeroMax™ PlugSheet, Multiseed | 20 |
| 54-1230 | 87-71621 | 162 CT OASIS® AeroMax™ PlugSheet, Singleseed | 20 |
| 54-1231 | 87-71622 | 162 CT OASIS® AeroMax™ PlugSheet, Multiseed | 20 |
| 54-1232 | 87-72761 | 276 CT OASIS® AeroMax™ PlugSheet, Singleseed | 20 |
| 54-1233 | 87-72762 | 276 CT OASIS® AeroMax™ PlugSheet, Multiseed | 20 |
| Request Only | 87-70095 | Plain OASIS® AeroMax™ PlugSheet for Microgreens | 60 |

Note: All configurations mentioned above are available in OASIS® AeroSelect™ substrate. OASIS® AeroMax™ and OASIS® AeroSelect™ are also available in automation-ready 72ct, 105ct, and 128ct singulated PlugTrays.



OASIS® Horticultures®

| Item | Vendor | Description | Sheets Per Cs |
|-----------|----------|---|---------------|
| 16-210200 | 5240 | 104 CT OASIS® Horticultures® Singleseed | 20 |
| 54-1142 | 5225 | 162 CT OASIS® Horticultures® Singleseed | 20 |
| 54-1225 | 5231 | 276 CT OASIS® Horticultures® Singleseed | 20 |
| 54-1220 | 87-12762 | 276 CT OASIS® Horticultures® Multiseed | 20 |

OASIS® Horticultures® eS

| Item | Vendor | Description | Sheets Per Cs |
|---------|----------|---|---------------|
| 54-1145 | 87-30501 | 50 CT OASIS® Horticultures® eS, Singleseed | 20 |
| 54-1224 | 87-31041 | 104 CT OASIS® Horticultures® eS, Singleseed | 20 |
| 54-1225 | 87-32762 | 276 CT OASIS® Horticultures® eS, Multiseed | 20 |



oasis
GROWER SOLUTIONS



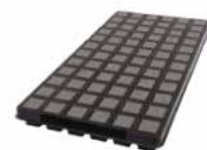
OASIS® RhizoPlug™ Substrates

Dive into the future of substrates with OASIS® RhizoPlug™ next-generation propagation substrates. Created specifically for precision vegetative propagation, these engineered substrate innovations from Oasis Grower Solutions offer growers superior performance, reduced bench times and an exceptionally clean propagation experience. Available in labor-saving, automation-ready singulated PlugTrays and Sheets, OASIS® RhizoPlug™ substrates provide real-world solutions for growers of all sizes, manual and automated.

Key Benefits:

- Ready on demand, pre-dibbled with universal star dibble
- Faster, easier, damage-free cutting insertion
- Rapid cutting rehydration, faster rooting, shorter bench times
- Stable, consistent, optimized root zone air-to-water ratio
- Clean, safe and free of pests and pathogens

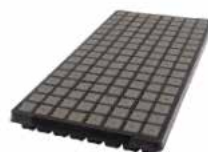
| Item | Vendor | Description | Sheets/Trays Per Cs |
|---------|----------|--------------------------------|---------------------|
| 54-1103 | 87-44072 | 72 CT OASIS® RhizoPlug™ Tray | 20 |
| 54-1104 | 87-44105 | 105 CT OASIS® RhizoPlug™ Tray | 20 |
| 54-1105 | 87-44128 | 128 CT OASIS® RhizoPlug™ Tray | 20 |
| 54-1100 | 87-40503 | 50 CT OASIS® RhizoPlug™ Sheet | 28 |
| 54-1101 | 87-41043 | 104 CT OASIS® RhizoPlug™ Sheet | 28 |
| 54-1102 | 87-41623 | 162 CT OASIS® RhizoPlug™ Sheet | 28 |



72 Count
OASIS® RhizoPlug
Tray #54-1103



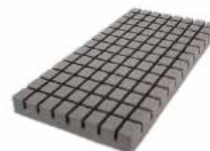
105 Count
OASIS® RhizoPlug
Tray #87-44104



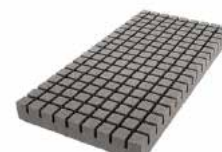
128 Count
OASIS® RhizoPlug
Tray #54-1105



50 Count
OASIS® RhizoPlug
Sheet #54-1100



104 Count
OASIS® RhizoPlug
Sheet #54-1101



162 Count
OASIS® RhizoPlug
Sheet #54-1102





OASIS® RhizoPlug™ Substrates

OASIS® Wedge® engineered foam propagation substrates help boost vegetative cutting success with crops that demand substantial hydration, yet don't tolerate water-logged conditions. The distinctive tapered shape of these pre-loaded, ready-on-demand substrates guides roots downward for rapid development, reduced bench times and greater productivity. The clean engineered foam reduces disease pressure, simplifying propagation even for challenging, problematic plants prone to disease. With options for easy spacing and handling, pre-dibbled OASIS® Wedge® substrates are available in numerous configurations.

Key Benefits:

- Fast, superior cutting hydration and establishment
- Distinctive wedge shape for rapid root development
- Consistent, uniform cutting establishment and rooting
- Reduced bench time for early transplant and turnover
- Clean substrate reduces disease pressure and meltdown

| Item | Vendor | Description | Trays Per Cs |
|----------|----------|----------------------------------|--------------|
| 54-1162 | 87-50010 | 10 CT OASIS® Wedge® Strip | 224 |
| 54-1157 | 87-50013 | 13 CT OASIS® Wedge® Strip | 224 |
| 54-1194 | 5625 | 34 CT OASIS® Wedge® Double Strip | 72 |
| 54-1193 | 5643 | 102 CT OASIS® Wedge® Tray | 10 |
| 54-1196 | 5615 | 34 & 102 CT OASIS® Wedge® Refill | 60 |
| 87-53023 | 47-5600C | OASIS® Wedge® Strip Carrier Tray | 100 |

EthylBloc™ Technology

EthylBloc™ is an ethylene-action inhibitor that protects your plants and profits against the damaging effects of ethylene gas. Ideal for all types of ethylene-sensitive plants, flowers, vegetative cuttings and bulbs — including orchids, foliage plants, annuals, perennials and tulips — this innovative technology works naturally with plants to bind their ethylene receptors and safeguard against ethylene from the plant and the surrounding environment.

With versatile EPA-approved EthylBloc™ treatments, you can protect plants at any supply chain point to inhibit ethylene-induced damage, reduce plant loss and extend plant life. Treatments suit small box shipments to in-transit trailers.

Key Benefits:

- Blocks ethylene receptors to inhibit ethylene damage
- Decreases leaf yellowing and premature flower aging
- Reduces ethylene-induced flower, bud and leaf drop
- Effective at room temperature and refrigerated conditions



EthylBloc™ is a registered trademark of AgroFresh Inc.

OASIS
GROWER SOLUTIONS



OASIS® Fertiss® Substrates

OASIS® Fertiss® PlugTray propagation plug media saves growers time and labor on the path to superior young plants. The vacuum-free, gravity-fed manufacturing process used by Oasis Grower Solutions ensures this stabilized media stays uncompacted, consistent and ready on demand — so growers can stay focused on what matters most. Designed to promote air pruning, reduce bench times and lower production costs, preloaded OASIS® Fertiss® PlugTrays are available in multiple configurations, including splits and strips.

Easy to stick or seed, OASIS® Fertiss® PlugTray substrate is ideal for vegetative, seed and tissue culture (Stage III) propagation of floriculture crops, foliag plants, culinary herbs, vegetables and soft fruits.

With labor-saving stabilized OASIS® Fertiss® PlugTray, growers of all sizes — manual or automated — can simplify sorting, grading and transplanting, and avoid transplant shock.

Key Benefits:

- Pre-loaded plug trays save time and labor
- Consistent, uncompacted, gravity-fed
- Manufactured at 60% moisture content
- Air pruning promotes dense fibrous roots
- Reduces bench time, alleviates transplant shock



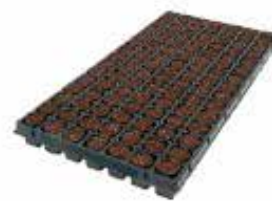
25 Count
OASIS® Fertiss®
PlugStrip #S5325P



50 Count
OASIS® Fertiss®
PlugTray #S5350C



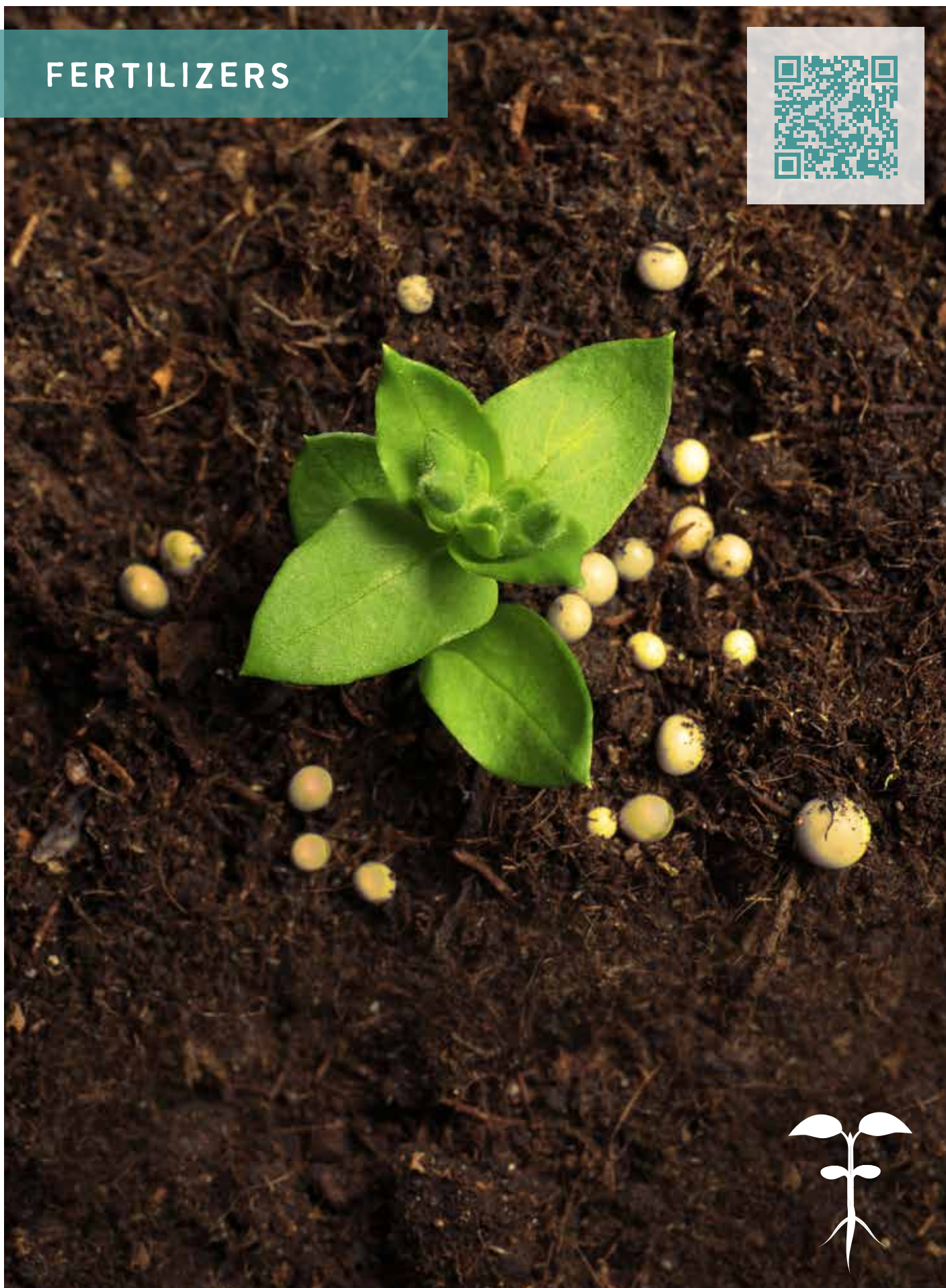
102 Count (51x2)
OASIS® Fertiss®
PlugTray #S5305C2



105 Count
OASIS® Fertiss®
PlugTray #S5305C2

| Item | Vendor | Description | Plug Dimensions | Trays Per Cs |
|--------------|----------|--|-----------------|--------------|
| S5325P | 5325P | 25 CT OASIS® Fertiss® PlugStrip | 3 x 4 cm | 60 |
| S5325P | 5326C | 26 CT OASIS® Fertiss® PlugStrip | 3 x 4 cm | 60 |
| S5350C | 5305C | 50 CT OASIS® Fertiss® PlugTray | 4 x 5 cm | 10 |
| S5372C2 | 5372C2 | 72 CT OASIS® Fertiss® PlugTray | 3.2 x 3.5 cm | 10 |
| 87-53022 | 87-53022 | 102 CT (51x2) OASIS® Fertiss® PlugTray | 2.5 x 4 cm | 16 |
| S5305C2 | 5305C2 | 105 CT OASIS® Fertiss® PlugTray | 3 x 4 cm | 13 |
| Request Only | 87-00128 | 128 CT OASIS® Fertiss® PlugTray | 2.5 x 3.8 cm | 14 |
| Request Only | 5305C2 | OASIS® Fertiss® Plug Refill | 2 x 3.8 cm | 1176 |
| 87-53032 | 87-5300C | OASIS® Fertiss® Carrier Tray | N/A | 50 |

FERTILIZERS





Jack's Professional Water Soluble Fertilizer Formulations



Any product that has the Peat-Lite tag in the name designates that the micronutrient package is elevated to provide a boost of micros when growing in a soilless or "peat-lite" mix.

General Purpose 20-20-20

The general-purpose industry standard, 20-20-20 is great for maintaining plants in garden center and growing facilities. It provides fast green-up and great foliar expansion due to the high percentage of ammonium and urea nitrogen plus balanced phosphorus and potassium for excellent root and shoot growth.

Item: 33612 **Size:** 25 lb.

High Performance 25-5-15

High efficiency formula designed to maximize your NPK delivery while keeping a balance of macro, secondary and micronutrients for optimum plant growth. Best as a continuous feed for heavy feeding plants in moderate to warm temperatures. Micronutrient levels are comparable to peat-lite formulas. Can be used as a nutrient booster for great green-up for almost all varieties.

Item: 33620 **Size:** 25 lb.

Blossom Booster 10-30-20

Use this high phosphorus formulation during periods of bud set to increase number and size of blossoms. Resume use of traditional production fertilizers for the remainder of growing cycle to avoid internode stretch. Great for vegetable production.

Item: 33628 **Size:** 25 lb.

Dark Weather Peat-Lite 15-0-15

Jack's Dark Weather Peat-Lite is an ideal product for growers who want a non-phosphorus, high nitrate product with calcium. The macro nutrient and secondary nutrient levels are very similar to the standard Dark Weather formula, however, the biggest benefit you will get when using this formula is the elevated micronutrient levels.

Alternate with 20-10-20 Peat-Lite or use as a "finisher" for flowering plants like poinsettias. This formula has the Peat-lite micronutrient levels needed for commercially made peat-lite potting media.

Item: 33627 **Size:** 25 lb.

Geranium 15-15-15

An ideal fertilizer for geraniums and other neutral pH loving plants. The high phosphorus content promotes strong root growth and bud set in the plant (also great for pink hydrangeas). The high nitrate nitrogen content (56%) and the general-purpose level of micronutrients help minimize nutritional toxicities on geraniums. Does not contain calcium.

Item: 33622 **Size:** 25 lb.

Peat-Lite 20-10-20

One of the most popular formulations containing additional levels of micronutrients. High nitrate nitrogen levels (60% of the total) provide for green foliage and more compact growth.

Item: 33615 **Size:** 25 lb.

Acid 21-7-7

An ideal fertilizer for acid-loving plants in the nursery and landscape. Provides a rapid correction to a high pH situation. This formulation offered by Jack's, contains NO harmful chlorides.

Item: 33611 **Size:** 25 lb.

Foliar FeED 27-15-12

It is true! Plants can feed through the leaves. This fertilizer is specially formulated to use for foliar feeding of ornamentals, vegetables and fruits. The high urea content and micronutrients promote green-up and foliar expansion. Can be used in conjunction with normal media fertilization or alone. Addition of a surfactant enhances activity.

Item: 33609 **Size:** 25 lb.

Plant Starter 9-45-15

Initial use of this formula when transplanting, supplies the high phosphorus ratio designed to boost root growth prior to shoot development.

Item: 33629 **Size:** 25 lb.

Jack's Professional 15-16-17 Peat Lite

Jack's 15-16-17 is a nice variation of Geranium Special 15-15-15 with slightly elevated micronutrients. With a ratio similar to 20-20-20 but with over 60% nitrate nitrogen, boosted micronutrient levels, and much less acidic reaction in the root media. The balanced N-P-K ratio is excellent for producing fast-growing plants or for maintaining plants in a sales environment.

Item: JP151617 **Size:** 25 lb.

Jack's Professional 21-8-18 Mag Mum

This formula is specifically formulated for the heavy feeding mum crop. It is a high nitrate, high potential acidity formulation that mums require. Extra magnesium is added for improved greening. Contains Peat-Lite trace element level. It also provides a 5% increased efficiency compared to 20-10-20 formula which stretches your fertilizer dollar without compromising performance.

Item: 33-21818 **Size:** 25 lb.

Jack's Professional 15-10-30 Pot Mum Finisher

A smart formulation choice to finish many different crops. The nitrogen to potassium ratio (1:2) is excellent for pot mum production and for other crops with high potassium requirements. This fertilizer has the traditional micronutrient levels found in general purpose formulations.

Item: 33624 **Size:** 25 lb.

Jack's FeED Water Soluble Fertilizer Formulations

Petunia FeED 20-3-19

This product is specially formulated for those chronically iron-hungry crops such as petunia, calibrachoa, bacopa and others. The original Jack's FeED product designed with all three iron chelates, EDTA, DTPA and EDDHA. This innovative formula keeps phosphorus at its lowest level to help prevent excessive elongation but maintain strong and prolific blooms. It is not recommended for use on geraniums or other iron sensitive crops.

Item: 33-20319 **Size:** 25 lb.

Mum FeED 22-5-16

Mums are heavy feeders that respond well to additional magnesium, sulfur and iron. Many times though, the iron becomes unavailable as the pH rises. The elevated iron levels found in the exclusive FeED iron chelate system keeps the iron available to the plant even if the pH rises during the crop cycle. The additional 2% nitrogen in the formula reduces your fertilizer usage by approximately 10%, making this product not only nutritionally effective, but cost effective as well.

Item: 33605 **Size:** 25 lb.

Fall Pansy FeED 17-3-19

Designed specifically for late summer and early fall pansy production. A nitrate ammonium nitrogen system is more efficient in warmer weather than the traditional high nitrate pansy fertilizer. The result is a potentially acidic product that will lower media pH over time.

Item: JP17319 **Size:** 25 lb.

2025





Jack's FeED Water Soluble Fertilizer Formulations

Spring Pansy FeED 15-2-20

Designed specifically for spring pansy production. High nitrate and low phosphorus control plant stretch in low light growing. This formula contains a good amount of soluble calcium and magnesium as well as the extra boron that pansies often need on a constant basis. This balance along with our Iron FeED package will keep pansies compact and green with a strong flower for a beautiful early spring crop.

Item: 33604 **Size:** 25 lb.

Poinsettia FeED Plus Mg 17-5-19

This formula is designed to fit the needs of the newer poinsettia cultivars that require micronutrients, but a lesser amount of macronutrients, containing 50% more iron, manganese, copper and zinc than found in typical poinsettia peat-lite formulations. Low boron levels help prevent toxicity problems.

Item: 3317519 **Size:** 25 lb.

Poinsettia FeED Ca-Mg 15-4-15

This formula is designed to fit the needs of the newer poinsettia cultivars that require micronutrients, but a lesser amount of macronutrients, containing 50% more iron, manganese, copper and zinc than found in typical poinsettia peat-lite formulations. Low boron levels help prevent toxicity problems. The Ca-Mg formula contains extra calcium for water types that are low in this essential nutrient.

Item: 3315415 **Size:** 25 lb.

Jack's LX Water Soluble Fertilizer Formulations

All Purpose LX 21-5-20

This is the ideal fertilizer for moderate to high alkalinity water. This complete formula keeps calcium, magnesium and phosphorus soluble in concentration, giving the grower ultimate flexibility when adjusting their nutrient program. It can be tank mixed with 15-5-15 or other Jack's LX formulas.

Item: 33602 **Size:** 25 lb.



Calcium + Magnesium LX 15-5-15

Jack's 15-5-15 is a staple in many grower's fertilizer tool box. It contains 4% calcium and 2% magnesium (making it an ideal choice for water low in those nutrients), 80% nitrate nitrogen, and micronutrients. Potentially basic, this formula will cause the pH in the root zone to rise over time, making this formula ideal for water types that are very pure or low in water alkalinity levels.

Item: 33601 **Size:** 25 lb.

Pure Water LX 17-4-17

Designed specifically for pure water sources like RO filtered or rain water. Formula designers at JR Peters ensured this blend will deliver the desired 4:1:4 macronutrient ratio along with 3% calcium, 1.5% soluble magnesium and a boosted micronutrient package. A potentially NEUTRAL formula- this comes in handy for growers looking to minimize pH swing in the root zone.

Item: 33174 **Size:** 25 lb.

Dark Weather Plus Mag LX 15-0-14

This formula is a great asset to the Jack's LX line. An ideal product for growers who want a non-phosphorus, high nitrate product with calcium and magnesium. Similar to the 15-0-15 Dark Weather, however, it can be mixed into any LX tank mixing fertility program. An extra boost of Ca as well as Mg is essential in times of cooler weather and lower light conditions.

Item: 33-150014 **Size:** 25 lb.

Plug LX 13-2-13

An ideal fertilizer for plug and young plant production. A complete product with 6% soluble calcium and 3% soluble magnesium making this formula very BASIC. It is formulated with 94% nitrate nitrogen to provide an easy to uptake nitrogen form for new roots and also low light, cooler conditions. Low phosphorus and a balanced micronutrient package helps promote compact, sturdy plugs.

Item: 33607 **Size:** 25 lb.

Jack's Aqua Gold High Tunnel Water Soluble Formulations



Low Phos Grower 21-8-18

This formula is perfect for soils that have above optimum levels of phosphorus. It is also excellent for starting transplants in the greenhouse.

Item: J77034 **Size:** 25 lb.

Grow & Bloom 15-20-28

The ideal fertilizer for encouraging overall healthy plant growth, a strong root system, and rapid development of all plants. Its high phosphorus content encourages rapid root generation which eliminates transplant shock when used as a transplanting solution.

Item: J77004 **Size:** 25 lb.

Jack's Professional Dry Nutrient Charge

Media Mix 6-5-13

This product is designed to get plants off to a good start and is most effective when a liquid feed program is initiated immediately after planting.

Item: 33170 **Size:** 25 lb.

Jack's Nutrients Line



The Jack's FeED line is comprised of complete nutrient formulations. Everything your plants need for each stage, from start to finish.



Part A 5-12-26

An improvement on the classic "Part A" formula for general vegetative growing. This redesigned blend is built with purely soluble and available nutrients to allow the grower maximum flexibility. Specific balance of macro, secondary and micronutrients delivers an efficient combination of nutrients suitable for many different growing environments and crop types.

Item: 33-51226 **Size:** 25 lb.
Item: 80060046 **Size/Qty:** 2.2 lb. - 6 per case

Low Phos Part A 6-6-26

A unique formula designed to deliver lower phosphorus levels into any growing program. Jack's Part A 6-6-26 will replace and/or complement any two part growing system paired with typical calcium content from our Jack's Part B by ensuring consistent N, K and micronutrient levels as you expect in our typical Part A 5-12-26.

Item: 33-79220 **Size:** 25 lb.

12-4-16

For the Purest in you. This one part nutrient blend is designed for crops grown in very low alkalinity waters such as reverse osmosis (RO) water, rainwater, and distilled water. Formulated utilizing innovative raw materials to reduce pH crash while delivering all the nutrients essential for vigorous plant growth.

Item: 33-12416 **Size:** 25 lb.
Item: 80060047 **Size/Qty:** 2.2 lb. - 6 per case



15-5-20

Allow your plants to drink up this formula designed to provide all the macro, secondary and micro nutrients in a one-part system. Specifically formulated for tap, city or well water types with slightly higher alkalinity & pH. This combination of nutrients will lower pH over time while including the extra soluble calcium, magnesium and the right balance of micronutrients.

Item: 33-15520 **Size:** 25 lb.
Item: 80060048 **Size/Qty:** 2.2 lb. - 6 per case

Bloom 10-30-20

Need a Boost of Flower Power? The 1:3:2 major nutrient ratio has been trusted by Jack's Professional growers for over 70 years. This soluble and available nutrient combination stimulates blooming, resulting in heavy bud and fruit set.

Item: 33-103020 **Size:** 25 lb.
Item: 80060049 **Size/Qty:** 2.2 lb. - 6 per case

18-8-23

Yep that's right, a nutrient blend specifically tailored for outdoor production. The research team at Jack's has a real knack for making things easy, efficient and cost effective in any growing environment and this product definitely wears its name well. This nutrient blend is potentially acidic and designed to keep your pH in the desired range for optimum nutrient uptake. Plus, perfecting the N:K:O ratio as well as adding a kick on Mg and S to hit the right balance so that your plants can thrive in the sunlight rich environment. Get ready to see fields of happy plants!

Item: 33-18823 **Size:** 25 lb.

Clone 15-6-17

Like hitting the accelerator for your new plants - this formula will help promote strong and fast root growth and expansion. Best used for fertilizing young seedlings, transplants, clones and newly set rooted cuttings.

Item: 33-15617 **Size:** 25 lb.
Item: 80060050 **Size/Qty:** 2.2 lb. - 6 per case

2025



Jack's Nutrients Line

UltraViolet 5-50-18

Get ready for a serious boost of available phosphorus. The primary goal of this formula is to assist in shutting down the strong vegetative growth stage of the plant and stimulate a switch to the reproductive or flowering phase of plant and flower development.

Item: 33-55018 **Size:** 25 lb.
Item: 80060051 **Size/Qty:** 2.2 lb. - 6 per case

Finish 7-15-30

You've always been told to finish strong. This formula is ideally formulated for this purpose to provide your plants with a very low nitrogen, high phosphorus and very high potassium content to keep the whole plant happy to the end of its crop cycle.

Item: 33-71530 **Size:** 25 lb.
Item: 80060053 **Size/Qty:** 2.2 lb. - 6 per case

Strawberry Part A 8-10-26

Designed to deliver targeted nutrition specific for Strawberry production. This unique formula combines specific macro, secondary and micro nutrients at a low constant feed rate in complement with our Jack's Part B for the calcium source to achieve a complete two part system!

Item: 33-79210 **Size:** 25 lb.



Jack's Nutrients Line



All the little extras your plants may need. Do you need calcium, extra micros, or extra iron? Boost has these supplements and more.



GGSPRO TIP

JACK'S NUTRIENTS 0-12-26 PART A FERTILIZER

This zero-nitrogen formula delivers a proven ratio of P and K along with a micronutrient package to achieve harvest goals in the late flowering stages of cannabis crops. This unique fertilizer also complements programs where nitrogen is solely sourced from calcium nitrate such as Jack's 15-0-0 Cal Nit Part B.

Part A 0-12-26

Zero nitrogen formula delivers a proven ratio of P and K to achieve harvest goals. Designed to follow the Part A system of nutrient delivery. This purely soluble and available formula keeps secondary and micronutrients consistent at each feeding. As with all Jack's fertilizers, we use only the highest-grade technical materials in our formulation. Manufacturing is done under laboratory control with the finest available mixing and blending equipment using an exclusive JR PETERS process. And don't forget 15-0-0 Cal Nit Part B of this two part system!

Item: 33-79230 **Size:** 25 lb.

Cal Nit Part B 15-0-0

An essential "Part B" provides a very soluble and available source of calcium in a two-part nutrient system. Contains very pure and completely available calcium and nitrate nitrogen nutrient sources.

Item: 33-79080 **Size:** 25 lb.
Item: 80060052 **Size/Qty:** 2.2 lb. - 6 per case

Cal-Trate 15-0-0

Jack's 15-0-0 Cal-Trate addresses specific crop and water needs by supplying calcium and nitrogen as well as a balanced micronutrient package. This formula will provide a boost of calcium while maintaining micronutrient targets.

Item: 33-79170 **Size:** 25 lb.

K-Trate 14-5-38

A great formula for providing a boost of potassium and nitrogen along with a balanced micronutrient package. Can be used on all crops and is especially good for finishing crops off by providing elevated levels of potassium while keeping micronutrients on target at the end of a crop cycle.

Item: JP14538 **Size:** 25 lb.

Jack's

FERTILIZERS

FORMULATION CHART

Jack's FeED®

| | | Nitrogen Breakdown | | | | To deliver 100 ppm N | Urea Free | Extra Mg | Low P | Extra Fe | with Ca | Plugs | Hard Water | Root & Bloom | Foliar Feeding | Boosted Micro |
|-------------------------|---------|--------------------|-----------------|--------|----------|----------------------|-----------|----------|-------|----------|---------|-------|------------|--------------|----------------|---------------|
| | | NO ₃ | NH ₄ | %Fe | A/B | | | | | | | | | | | |
| Mum FeED® | 22-5-16 | 12.54 | 9.46 | 0.2000 | Acidity | 6.1 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | ✓ |
| Petunia FeED Plus Mg | 20-3-19 | 11.96 | 8.04 | 0.2000 | Acidity | 6.8 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | ✓ |
| Boosted Base FeED | 18-2-18 | 6.55 | 11.5 | 0.2529 | Acidity | 7.5 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | | | | | ✓ |
| Poinsettia FeED Plus Mg | 17-5-19 | 10.79 | 6.21 | 0.1275 | Acidity | 7.9 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | ✓ |
| Poinsettia FeED Ca-Mg | 15-4-15 | 12.12 | 2.88 | 0.1125 | Basicity | 9.0 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ |
| Fall Pansy FeED | 17-3-19 | 11.10 | 5.90 | 0.1700 | Acidity | 7.9 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | ✓ |
| Spring Pansy FeED | 15-2-20 | 12.64 | 2.36 | 0.0750 | Basicity | 9.0 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ |

Jack's LX™

| | | Nitrogen Breakdown | | | | To deliver 100 ppm N | Urea Free | Extra Mg | Low P | Extra Fe | with Ca | Plugs | Hard Water | Root & Bloom | Foliar Feeding | Boosted Micro |
|--------------------------|---------|--------------------|-----------------|------|----------|----------------------|-----------|----------|-------|----------|---------|-------|------------|--------------|----------------|---------------|
| | | NO ₃ | NH ₄ | %Ca | A/B | | | | | | | | | | | |
| All Purpose | 21-5-20 | 13.08 | 7.92 | 0.00 | Acidity | 6.4 oz/100 gallons | ✓ | | ✓ | | | | ✓ | | | ✓ |
| Poinsettia | 20-5-19 | 12.56 | 7.44 | 0.00 | Acidity | 6.8 oz/100 gallons | ✓ | | ✓ | | | | ✓ | | | ✓ |
| Pure Water | 17-4-17 | 13.27 | 3.73 | 3.00 | Neutral | 7.9 oz/100 gallons | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |
| Hi Alkalinity Water Plug | 16-2-15 | 12.00 | 4.00 | 3.00 | Acidity | 8.4 oz/100 gallons | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ |
| CA - MG | 15-5-15 | 12.00 | 3.00 | 4.00 | Basicity | 9.0 oz/100 gallons | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | ✓ |
| Dark Weather Plus Mag | 15-0-14 | 12.40 | 2.60 | 5.00 | Basicity | 9.0 oz/100 gallons | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |
| Plug | 13-2-13 | 12.22 | 0.78 | 6.00 | Basicity | 10.4 oz/100 gallons | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | ✓ |

Jack's Professional®

| | | Nitrogen Breakdown | | | | To deliver 100 ppm N | Urea Free | Extra Mg | Low P | Extra Fe | with Ca | Plugs | Hard Water | Root & Bloom | Foliar Feeding | Boosted Micro |
|------------------------------|----------|--------------------|-----------------|-------|----------|----------------------|-----------|----------|-------|----------|---------|-------|------------|--------------|----------------|---------------|
| | | NO ₃ | NH ₄ | %Ca | A/B | | | | | | | | | | | |
| High Performance | 25-5-15 | 14.25 | 10.75 | 0.00 | Acidity | 5.4 oz/100 gallons | ✓ | | ✓ | ✓ | | | ✓ | | | |
| MagMum | 21-8-18 | 12.40 | 8.60 | 0.00 | Acidity | 6.4 oz/100 gallons | ✓ | ✓ | | ✓ | | | ✓ | | | ✓ |
| Acid | 21-7-7 | 0.00 | 11.47 | 0.00 | Acidity | 6.4 oz/100 gallons | | | | ✓ | | | ✓ | | | |
| GP | 20-20-20 | 6.07 | 3.83 | 0.00 | Acidity | 6.8 oz/100 gallons | | | | | | | ✓ | | ✓ | |
| GP | 20-10-20 | 12.00 | 8.00 | 0.00 | Acidity | 6.8 oz/100 gallons | ✓ | | | | | | ✓ | | | |
| Peat-Lite | 20-10-20 | 12.00 | 8.00 | 0.00 | Acidity | 6.8 oz/100 gallons | ✓ | | | ✓ | | | ✓ | | | |
| Peat-Lite | 15-16-17 | 9.25 | 3.15 | 0.00 | Acidity | 9.0 oz/100 gallons | | | | | | | | | | |
| Geranium | 15-15-15 | 8.40 | 2.88 | 0.00 | Acidity | 9.0 oz/100 gallons | | | | | | | | | | |
| Dark Weather | 15-0-15 | 12.12 | 0.58 | 11.00 | Basicity | 9.0 oz/100 gallons | | | ✓ | | ✓ | | | | | |
| Dark Weather Peat-Lite | 15-0-15 | 13.50 | 1.50 | 10.69 | Basicity | 9.0 oz/100 gallons | ✓ | | ✓ | | ✓ | | | | | |
| Blossom Booster | 10-30-20 | 5.00 | 5.00 | 0.00 | Acidity | 13.5 oz/100 gallons | ✓ | ✓ | | | | | | ✓ | ✓ | |
| Plant Starter | 9-45-15 | 0.00 | 9.00 | 0.00 | Acidity | 15 oz/ 100 gallons | ✓ | | | | | | | ✓ | | |
| Orchid- Well Water | 16-4-20 | 12.20 | 3.80 | 3.00 | Neutral | 8.44 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | ✓ |
| Orchid- R.O. Water | 12-3-15 | 11.60 | 0.40 | 7.00 | Basicity | 11.25 oz/100 gallons | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | ✓ |
| Mix of Soluble Traces (MOST) | | | | | | | ✓ | | | | | | | | | |

Jack's Nutrients

| | | Nitrogen Breakdown | | | | To deliver 100 ppm N | Urea Free | Extra Mg | Low P | Extra Fe | with Ca | Prop | Hard Water | Pure Water | Root & Bloom | Boosted Micro |
|-------------------|----------|--------------------|-----------------|-------|----------|----------------------|-----------|----------|-------|----------|---------|------|------------|------------|--------------|---------------|
| | | NO ₃ | NH ₄ | %Ca | A/B | | | | | | | | | | | |
| Part A | 5-12-26 | 5.00 | 0.00 | 0.00 | Basicity | 26 oz/100 gallons | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ |
| Part B | Cal Nit | 14 | 1 | 18 | Basicity | 9oz/ 100 gallons | ✓ | | ✓ | | ✓ | | | ✓ | | |
| 12-4-16 | 12-4-16 | 11.80 | 0.20 | 7.00 | Basicity | 11.3oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | ✓ |
| 15-5-20 | 15-5-20 | 12.00 | 3.00 | 3.00 | Basicity | 9oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| Bloom | 10-30-20 | 5.00 | 5.00 | 0.00 | Acidic | 13.5oz/ 100 gallons | ✓ | | | | | | ✓ | | ✓ | |
| Clone | 15-6-17 | 12.00 | 3.00 | 4.00 | Basicity | 9oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| UltraViolet | 5-50-18 | 0.00 | 5.00 | 0.00 | Acidic | 27oz/100 gallons | ✓ | ✓ | | | | | ✓ | | ✓ | |
| Finish | 7-15-30 | 4.00 | 3.00 | 0.00 | Acidic | 19oz/100 gallons | ✓ | ✓ | | | | | ✓ | | | |
| Outdoor | 18-8-23 | 11.50 | 6.50 | 0.00 | Acidic | 7.5oz/100 gallons | ✓ | | ✓ | | | | ✓ | | | |
| Cal-Trate | 15-0-0 | 13.95 | 1.05 | 18.00 | Basicity | 9.0 oz/100 gallons | ✓ | | ✓ | | ✓ | | | | | ✓ |
| K-Trate | 14-5-38 | 10.46 | 0.00 | 0.00 | Basicity | 9.64 oz/100 gallons | | | ✓ | | | | | | | ✓ |
| Mag-Trate | 10-0-0 | 10.00 | 0.00 | 0.00 | Basicity | 13.50 oz/100 gallons | ✓ | ✓ | ✓ | | | | | | | ✓ |
| Part A Strawberry | 8-10-26 | 7.00 | 1.00 | 0.00 | Basicity | 17oz/100 gallons | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ |
| Part A Low Phos | 6-6-26 | 6.00 | 0.00 | 0.00 | Basicity | 22oz/100 gallons | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ |
| 16-4-17 | 16-4-17 | 12.80 | 3.60 | 0.10 | Neutral | 8.4oz/100 gallons | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ |

PLANTEX[™] SOLUTIONS

2025



YOU DON'T NEED JUST ANY FERTILIZER,
You need Plantex Solutions!

Fresh Solutions for your Plant's Nutrition. Plantex has Micro Plus Enrichment in most of the Plantex Solutions products, which means enhanced iron, manganese, copper, boron, molybdenum and zinc levels with additional chelating agents, making them available over a broader pH range.

No-Stretch[®] 15-0-20

No-Stretch works to harden plant structure and prevent leggy growth. Use toward the end of the crop cycle for compact sturdy growth and to keep internodes short.

Item: 31-140105 **Size:** 25 lb.

Complete 17-5-17

Complete is an all-in-one advanced nutritional program containing all 5 macros and high levels of nitrate with no urea. It is effective over a wide pH range. **Comes in a duo bag for easy usage.**

Item: 31-140145 **Size:** 25 lb.

pH Reducer 18-9-18

This balanced growth formulation, decreases pH levels while supplying the growing media with enhanced micronutrients, including three chelating agents.

Item: 31-140155 **Size:** 25 lb.

Fertility Plus 19-2-19

This high nitrate, urea-free fertilizer is balanced with enhanced micronutrient availability and performance, ideal for heavy feeding.

Item: 31-11078 **Size:** 25 lb.

Complete Plus 19-8-13

Complete Plus is a modification of the Complete formulation with more acidic potential. Growers with higher alkaline water can reduce or eliminate the use of acid. **Comes in a duo bag for easy usage.**

Item: 31-140165 **Size:** 25 lb.

Plantex Solutions Specifications

| Plantex Formulation | No-Stretch® 15-0-20 | Complete 17-5-17 | pH Reducer 18-9-18 | Fertility Plus 19-2-19 | Complete Plus 19-8-13 |
|--|--|---------------------|--------------------------------------|-------------------------------------|--|
| Total Nitrogen (N) | 15% | 17% | 18% | 19% | 19% |
| Nitrate Nitrogen | 12.2% | 12.1% | 8.5% | 12.2% | 12.1% |
| Ammoniacal Nitrogen | 2.8% | 4.9% | 9.5% | 6.8% | 6.9% |
| Urea Nitrogen | - | - | - | - | - |
| Available Phosphate (P ₂ O ₅) | - | 5% | 9% | 2% | 8% |
| Soluble Phosphorus (P) | - | 2.1% | 3.9% | 0.8% | 3.4% |
| Soluble Potash (K ₂ O) | 20% | 17% | 18% | 19% | 13% |
| Soluble Potassium (K) | 16.6% | 14.1% | 14.9% | 15.7% | 10.7% |
| Calcium (Ca) | 3% | 3% | - | - | 2.5% |
| Magnesium (Mg) | 1.5% | 1% | 0.2% | 1.5% | 1% |
| Sulphur (S) | - | - | 5.5% | 1.8% | - |
| Iron (Fe) | 0.25% | 0.10% | 0.25% | 0.25% | 0.25% |
| Manganese (Mn) | 0.075% | 0.05% | 0.075% | 0.075% | 0.075% |
| Zinc (Zn) | 0.075% | 0.05% | 0.075% | 0.075% | 0.075% |
| Copper (Cu) | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% |
| Boron (B) | 0.02% | 0.02% | 0.02% | 0.02% | 0.02% |
| Molybdenum (Mo) | 0.015% | 0.015% | 0.015% | 0.015% | 0.015% |
| Chelating agent - | 1.48% EDTA 0.95% DTPA 0.1% EDDHA | 1.24% EDTA | 1.49% EDTA 0.95% DTPA 0.09% EDDHA | 1.48% EDTA 0.95% DTPA 0.1% EDDHA | 1.48% EDTA 0.95% DTPA 0.1% EDDHA |
| Potential Acidity (A) / Basicity (B) (lbs CaCO₃ per ton of fertilizer) | 154 (B) | 105(A) | 716 (A) | 309 (A) | 300 (A) |
| Solubility (lb per gallon) | | | | | |
| 50°F | 2 1/6 | 3 1/4 | 2 1/2 | 1 | 2 |
| 60°F | 3 1/2 | 4 1/2 | 2 3/4 | 1 2/3 | 3 1/3 |
| 75°F | 4 7/8 | 6 2/3 | 4 | 3 2/5 | 4 2/3 |
| Electrical Conductivity (EC): ppm of Nitrogen | | | | | |
| 100 | 0.91 | 0.69 | 0.88 | 0.78 | 0.56 |
| 200 | 1.82 | 1.35 | 1.72 | 1.54 | 1.12 |
| 300 | 2.72 | 2.00 | 2.55 | 2.29 | 1.67 |

Reference: EDTA - Ethylene Diamine Tetraacetate • DTPA - Diethylene Triamine Pentaacetate • EDDHA - Ethylene Diamine Dihydroxyphenylacetic Acid

For detailed information please visit www.plantprod.com

Plantex®



Custom mixes are available for any water soluble fertilizer, premix or micronutrient mix.

6-11-31 Hydroponic Water Soluble Fertilizer

Plantex 6-11-31 water soluble fertilizer provides an excellent fertility program for greenhouse vegetable crops grown in Nutrient Film Technique (NFT), rockwool culture and other forms of hydroponic or soilless cultures. It must be used with calcium nitrate for a complete nutritional program.

Item: 31-12703 **Size:** 25 lb.

10-52-10 High P

High P supplies the necessary high phosphorus levels that young plants require with maximum solubility.

Item: 31-10368 **Size:** 25 lb.

12-2-14 Cal Mag + P

Cal Mag + P is designed for plug production with 6% calcium and 3% magnesium as well as a complete micronutrient package.

Item: 31-140075 **Size:** 25 lb.

15-0-15 Cal-Plus

Cal-Plus is a completely water soluble prilled mixture of calcium nitrate, potassium nitrate and micronutrients.

Item: 31-140100 **Size:** 25 lb.

15-15-30 High K

High K has a higher level of potash, particularly well suited for finishing container grown plants.

Item: 31-140125 **Size:** 25 lb.

17-4-19 Pansy

This formula is designed for use by pansy growers wanting an acidic soil reaction and the increased iron, magnesium and boron levels required by pansies. The iron is partially in DTPA form.

Item: 31-140111 **Size:** 25 lb.

18-6-20 Poinsettia Plus

Poinsettia Plus is designed specifically for poinsettias. This formulation may also be used on other crops requiring lower level of boron. This formulation contains over 60% of the nitrogen in nitrate form, a high level of magnesium and chelated micronutrients.

Item: 31-140151 **Size:** 25 lb.

20-10-20 All Purpose High Nitrate

All Purpose High Nitrate is an all season fertilizer with a high potential acidity.

Item: 31-140200 **Size:** 25 lb.

20-20-20 Classic

Classic is a balanced fertilizer that may be used for general feeding. It is ideal for when a more specific formula is not required.

Item: 31-140300 **Size:** 25 lb.

21-5-20 High Nitrate Low P

Effective in soilless media, High Nitrate Low P is a general feed formulation and is the base for many fertilizer programs.

Item: 31-140306 **Size:** 25 lb.

21-7-7 Acid

This highly acidic formulation should be used for crops requiring higher acid soil conditions and when irrigation water has a high pH level.

Item: 31-140310 **Size:** 25 lb.

Media Starter 10-5-10

This premix is designed to be incorporated into the media prior to planting and provides nutrition early in the crop cycle. It serves as a starter charge and has a wetting agent added to ensure uniform penetration. Do not heat/steam sterilize this mix after incorporation.

Item: 31-11104 **Size:** 50 lb.

Plantex Specifications

| Plantex Formulation | High P 10-52-10 | Cal Mag +P 12-2-14 | Cal-Plus 15-0-15 | High K 15-15-30 | Pansy 17-4-19 | Poinsettia Plus 18-6-20 | All Purpose High Nitrate 20-10-20 | Classic 20-20-20 | High Nitrate Low P 21-5-20 | Acid 21-7-7 | Nutritrace | Media Starter 10-5-10 |
|--|--------------------|--------------------------|---------------------|--------------------|--------------------------|-------------------------------|--|---------------------|-------------------------------------|----------------|------------|-----------------------------|
| Total Nitrogen (N) | 10% | 12% | 15% | 15% | 17% | 18% | 20% | 20% | 21% | 21% | - | 10% |
| Nitrate Nitrogen | - | 11.7% | 13.3% | 8.9% | 11% | 11.4% | 12% | 5.9% | 12.8% | 2.1% | - | 8.4% |
| Ammoniacal Nitrogen | 7.1% | 0.3% | 1.7% | 2.9% | 6% | 6.6% | 8% | 3.9% | 8.2% | 13.2% | - | 1.2% |
| Urea Nitrogen | 2.9% | - | - | 3.2% | - | - | - | 10.2% | - | 5.7% | - | 0.4% |
| Available Phosphate (P ₂ O ₅) | 52% | 2% | - | 15% | 4% | 6% | 10% | 20% | 5% | 7% | - | 5% |
| Soluble Phosphorus (P) | 22.6% | 0.8% | - | 6.5% | 1.7% | 2.62% | 4.3% | 8.7% | 2.1% | 3% | - | 2.1% |
| Soluble Potash (K ₂ O) | 10% | 14% | 15% | 30% | 19% | 20% | 20% | 20% | 20% | 7% | - | 10% |
| Soluble Potassium (K) | 8.3% | 11.6% | 12.4% | 24.9% | 15.7% | 16.6% | 16.6% | 16.6% | 16.6% | 5.8% | - | 8.3% |
| Calcium (Ca) | - | 6% | 11% | - | - | - | - | - | - | - | - | 6% |
| Magnesium (Mg) | - | 3% | - | - | 3.25% | 2% | 0.24% | - | 0.20% | - | 1.5% | 3% |
| Sulphur (S) | - | - | - | - | 4% | 2.5% | 0.20% | - | 0.20% | 13% | 1% | 4% |
| Iron (Fe) | 0.10% | 0.10% | 0.10% | 0.10% | 0.18% | 0.10% | 0.10% | 0.10% | 0.125% | 0.10% | 7% | 0.75% |
| Manganese (Mn) | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 2% | 0.15% |
| Zinc (Zn) | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.4% | 0.15% |
| Copper (Cu) | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.1% | 0.05% |
| Boron (B) | 0.02% | 0.02% | 0.02% | 0.02% | 0.035% | 0.01% | 0.02% | 0.02% | 0.02% | 0.02% | - | 0.02% |
| Molybdenum (Mo) | 0.0005% | 0.015% | 0.015% | 0.0005% | 0.015% | 0.06% | 0.015% | 0.0005% | 0.015% | 0.0005% | 0.06% | 0.004% |
| Chelating agent - | 1.24% EDTA | 1.24% EDTA | 1.24% EDTA | 1.24% EDTA | 1.24% EDTA 0.56% DTPA | 0.71% EDTA 0.70% DTPA | 1.24% EDTA | 1.24% EDTA | 1.24% EDTA 0.17% DTPA | 1.24% EDTA | 65.4% EDTA | - |
| Potential Acidity (A) / Basicity (B) (lbs CaCO₃ per ton of fertilizer) | 900 (A) | 383 (B) | 314 (B) | 100 (A) | 265(A) | 304 (A) | 437 (A) | 570 (A) | 440 (A) | 1580(A) | - | - |
| Solubility (lb per gallon) | | | | | | | | | | | | |
| 50°F | 3 | 4 | 1¾ | 2½ | 2½ | 2½ | 3 | 3 | 3 | 4 | | |
| 60°F | 3½ | 5½ | 2½ | 3 | 3½ | 4 | 4½ | 3½ | 4½ | 4½ | | |
| 75°F | 4 | 6½ | 3½ | 3¾ | 4½ | 4½ | 5 | 4 | 5 | 4¾ | | |
| Electrical Conductivity (EC): ppm of Nitrogen | | | | | | | | | | | | |
| 100 | 0.81 | 0.89 | 0.84 | 0.8 | 0.91 | 0.86 | 0.73 | 0.45 | 0.72 | 0.78 | | |
| 200 | 1.61 | 1.68 | 1.60 | 1.4 | 1.79 | 1.69 | 1.45 | 0.94 | 1.42 | 1.52 | | |

| Formulation | | Potential Acidity (A)/ Basicity (B) | EC (mmhos) at 200 ppm N |
|-------------------------------|-----------------------------------|--|----------------------------|
| Plantex® | Cal Mag +P 12-2-14 | 383 (B) | 1.68 |
| | Cal-Plus 15-0-15 | 314 (B) | 1.60 |
| | High K 15-15-30 | 100 (A) | 1.40 |
| | Pansy 17-4-19 | 265 (A) | 1.79 |
| | Poinsettia Plus 18-6-20 | 304 (A) | 1.69 |
| | All Purpose High Nitrate 20-10-20 | 437 (A) | 1.45 |
| | High Nitrate Low P 21-5-20 | 440 (A) | 1.42 |
| | Classic 20-20-20 | 570 (A) | 0.94 |
| | High P 10-52-10 | 900 (A) | 1.61 |
| | Acid 21-7-7 | 1580 (A) | 1.52 |
| PLANTEX® SOLUTIONS | No-Stretch® 15-0-20 | 154 (B) | 1.82 |
| | Complete 17-5-17 | 105 (A) | 1.35 |
| | Complete Plus 19-8-13 | 300 (A) | 1.12 |
| | Fertility Plus 19-2-19 | 309 (A) | 1.54 |
| | pH Reducer 18-9-18 | 716 (A) | 1.72 |

Reference:

- EDTA - Ethylene Diamine Tetraacetate
- DTPA - Diethylene Triamine Pentaacetate
- EDDHA - Ethylene Diamine
Dihydroxyphenylacetic Acid

Potential Acidity/Basicity for Plantex and Plantex Solutions Fertilizers

Acidity potential is the amount in lb. of calcium carbonate needed to neutralize the acidity caused by one ton of the fertilizer. Potential basicity is the amount in lb. of calcium carbonate that has the same alkalizing effect as one ton of the fertilizer.

For detailed information please visit
www.plantprod.com



Simple yet scientific.

The Plant-Prod MJ™ line of fertilizers was designed to bring 77 years of experience to the cannabis growers of today. Plant-Prod® by Plantex is excited to provide licensed growers of medical marijuana products that are scientifically optimized, consistent and completely soluble.

Plant-Prod MJ™ Spike (CaMg)

Spike (CaMg) is a fully chelated supplemental formulation that provides calcium and magnesium in a desirable 2:1 ratio. This has been specifically formulated to meet the high demands of cannabis plants throughout the entire production cycle with no additional nitrogen, phosphorus or potassium. Ideal for use with reverse osmosis (RO) or city water where calcium and magnesium levels are usually low. Application should be limited to two times per week.

Item: 31-M12310

Size: 25 lb.

Item: 81970004

Size/Qty: 12.3 oz. (12 case)

Plant-Prod MJ™ Bloom 10-30-20

Bloom is an essential formulation to cannabis production. This high phosphorous, moderate potassium formulation encourages full bud set and improves bud filling.

Item: 31-M12206

Size: 25 lb.

Item: 81970002

Size: 4.4 lb.

Plant-Prod MJ™ Boost 15-30-15

Boost is a high phosphorus formulation that supplies the necessary phosphorus for cannabis transplants and bud sizing.

Item: 31-M12278

Size: 25 lb.

Item: 81970003

Size: 4.4 lb.



GGSPRO TIP

CHELATED IRON EDTA AND EDDHA

Plantex's new chelated products are ideal replacements for Sprint 138 and 330 providing water soluble, plant available iron over a wide soil and solution pH range.

Plant-Prod MJ™ Cal Kick 15-0-14

Cal Kick is a high calcium formulation that should be used as the main calcium source throughout the production cycle when levels in water source are not adequate. Calcium is vital to plant rigidity and bud formation.

Item: 31-M12305

Size: 25 lb.

Plant-Prod MJ™ Finisher 4-31-37

Finisher is a cannabis specific finishing formulation with elevated phosphorus and potassium to encourage fullness and density of buds.

Item: 31-M12280

Size: 25 lb.

Item: 81970005

Size: 4.4 lb.

Plant-Prod MJ™ Grow 12-8-26

Grow is specifically formulated for the vegetative growth stage of cannabis plants. Ideal for use in a mother plant feeding program with Cal Kick.

Item: 31-M12279

Size: 25 lb.

Item: 81970001

Size: 4.4 lb.

Plant-Prod MJ™ Program Schedule by Week

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| Boost 15-30-15 | | | | | | | | | | | | | | |
| Grow 12-8-26 | | | | | | | | | | | | | | |
| Bloom 10-30-20 | | | | | | | | | | | | | | |
| Cal Kick 15-0-14 | | | | | | | | | | | | | | |
| Finisher 4-31-37 | | | | | | | | | | | | | | |

Visit the
Plant-Prod
website at
plantprod.com
for full program
details and
suggested rates.

Peters Excel® Peters Professional®

Peters Water-Soluble Fertilizer is the clear choice

The world standard in water-soluble fertilizer, Peter's superior nutrient uptake brings robust growth, consistent quality and breathtaking color. Using the finest ingredients results in clean formulations and almost total solubility. This purity of product eliminates precipitates and clogged emitters. Specialized product options allow growers to customize nutritional programs to their needs.

PETERS EXCEL

Peters Excel utilizes patented technology and pure ingredients to **counter high alkalinity** and keep stock tank formulations in-solution. Excel's high solubility eliminates precipitate build-up and keeps irrigation lines flowing.

Peters Excel pHLow

With twice the active acidity of regular Peters Excel, pHLow utilizes **bicarbonate-neutralizing** technology to improve water quality in high-alkalinity conditions. Single-tank compatibility saves time, labor, and material costs.

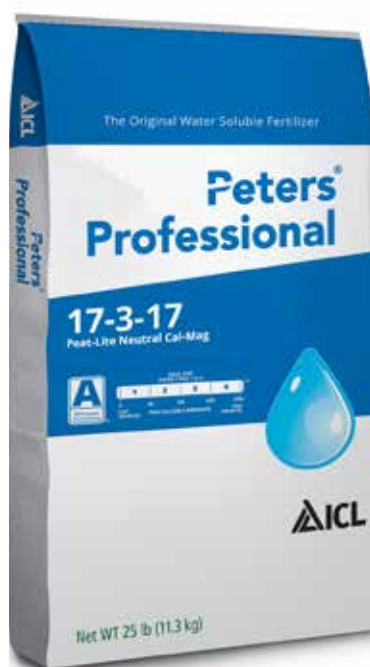
Peters Professional

The exclusive M-77 **chelating** formula results in the highest levels of nutrient uptake efficiency. Suitable for all water types, the Professional line is comprised of 13 products, each formulated for a specific nutritional program.

Peters Professional Peat-Lite

Peat-Lite formulations contain **elevated levels of micronutrients** needed in today's media mixes. Highly specialized formulations let growers dial in their fertilization programs to exacting levels.





A total nutrient package in a single tank, with a single injector.

The unique chemistry of Peters Excel makes it possible to combine NPK, calcium, magnesium and sulfated trace elements, without precipitation so all the nutrients are readily available to your plants. Peters Excel means simple one-tank mixing and no need for two-head injectors. It keeps drip lines clean. There's less cost and risk, too, because you can reduce or even eliminate your use of acids. The Excel pHLow line utilizes bicarbonate-neutralizing technology to improve water quality in high-alkalinity conditions.

Peters Excel®

Peters Excel 15-5-15 Cal-Mag Special with black iron

Peters Excel Cal-Mag Special is an excellent all-purpose, complete formulation that features high nitrate nitrogen and low phosphate with extra calcium and magnesium. Growing with Peters Excel Cal-Mag Special produces healthy, compact plants over a wide variety of species and cultivars. With the addition of M-77 with black iron (containing three iron chelates), iron is available over the broadest possible pH range.

Item: 67-2305 **Size:** 25 lb.

Peters Excel 21-5-20 Multi-purpose

A **one bag** solution with a patented technology to counter high alkalinity in irrigation water. This is a moderately acidic formulation serves as an excellent all-purpose fertilizer for Types 2, 3, and 4 irrigation water (Alkalinity 60-240+).

Item: 67-2308 **Size:** 25 lb.

Peters Excel 13-2-13 Plug & Bedding Plant Special

A **one bag** solution with a patented technology to counter high alkalinity in irrigation water. Ideal for plugs, liners, bedding plants and vegetable transplants with high nitrate and low phosphate levels to encourage healthy, compact growth. Most effective with Water Types 1 and 2 (Alkalinity up to 150).

Item: 67-2304 **Size:** 25 lb.

Peters Excel 15-2-20 Pansy Special

A **one bag** solution with a patented technology to counter high alkalinity in irrigation water. Formulated for compact growth and bright blossoms on pansy, salvia, vinca, etc. with high nitrate, low phosphate and extra boron. Most effective with Water Types 1 and 2 (Alkalinity up to 150). Contains calcium, magnesium and other minor elements.

Item: 67-2302 **Size:** 25 lb.

Peters Professional®

The Peters Professional line is the industry's most widely recognized and trusted brand made with the highest quality ingredients available. The proprietary M-77 chelated formula facilitates stock tank mixing while providing easy "no clog" delivery of your plants' nutrition. Specialized Peat-Lite formulations contain elevated levels of micronutrients needed in today's media mixes.

Peters Professional 5-11-26 Hydroponic Special

Designed exclusively for hydroponic culture, this classic formula is ideal for tomatoes, cucumbers and lettuce.

Item: 67-2320 **Size:** 25 lb.

Peters Professional 20-10-20 General Purpose

Crops that are sensitive to excess micronutrients thrive with this classic formula with its acidifying action that helps suppress the pH of growing media from raising.

Item: 67-2316 **Size:** 25 lb.

Peters Professional 20-20-20 General Purpose

Acidifying action combats excessive pH in mineral soil growing media. Contains low levels of micronutrients.

Item: 67-2318 **Size:** 25 lb.

Peters Professional 20-3-19 Petunia Special with Black Iron

Peters Professional Petunia Special with black iron is a formulation of three chelated Irons, including black iron. This M-77® chelated system is specifically designed for petunias and other high Iron demanding plants. This product is a high Nitrate N and low Phosphate feed that encourages dense, compact, healthy growth in petunias and other flowering plants.

Item: 67-2364 **Size:** 25 lb.

Peters Professional 22-5-16 Mum Special with Black Iron

An effective formulation of 3 chelated irons specifically designed for mums and other high iron demanding plants. Black iron is the most effective iron chelate used for growing ornamentals, effective over the widest range of media pH levels.

Item: 67-2368 **Size:** 25 lb.

Peter Professional Peat-Lite 17-3-17 Neutral Cal-Mag

Premium all-purpose formulation produces a nearly neutral reaction to help maintain steady pH in growing media.

Item: 67-2346 **Size:** 25 lb.

Peters Professional Peat-Lite 20-10-20

Versatile formula can be used in year-around operations; acidifying action corrects high pH in growing media.

Item: 67-2332 **Size:** 25 lb.

Peters Professional 15-0-15 Peat-Lite Dark Weather Feed

Classic high-nitrate formula for bulbs or any crop that needs extra calcium and magnesium, lower phosphate and slightly higher growing media pH. Provides a full range of essential micronutrients.

Item: 67-2340 **Size:** 25 lb.

15-16-17 Peat-Lite Special

The perfect 1:1:1 N-P-K formulation for geraniums raised in soilless growing media. Contains a full range of essential micronutrients.

Item: 67-2333 **Size:** 25 lb.

18-8-17 High Mg

Highly effective stand-alone fertilizer with extra magnesium to maintain deep green foliage. Substitute for 20-10-20 for magnesium loving crops. Contains a full range of essential micronutrients.

Item: 67-2336 **Size:** 25 lb.

15-3-25 Peat-Lite Flower Crop w/Iron

A low phosphorus containing fertilizer that provides a high amount of chelated iron and other micronutrients readily available to plants grown over a wide soil pH range. Ideal for preventing excessive stretching while also meeting the needs of iron demanding crops such as petunias and calibrachos.

Item: 67-2348 **Size:** 25 lb.

Peters Professional 14-0-8 Hydroponic Boost

Delivers elevated levels of key elements most needed by hydroponic crops. Intended for use in combination with Peters Professional 5-11-26 Hydroponic Special.

Item: 67-2321 **Size:** 25 lb.

Peters Professional 0-15-30 Hydroponic Finisher

Designed for hydroponic media, 0-15-30 is a specialized, no-nitrogen formulation that boosts growth during the final phase of the growth cycle.

Item: 67-2319 **Size:** 25 lb.

Ready,
Set,
Pro.



H₂PRO[®]

Less water. More growth.

Save water, time, and labor with H2Pro Greenhouse and Nursery Surfactant. Available in liquid or granular formulations, H2Pro optimizes the moisture penetration and holding capacity of soilless growing media. Uniform moisture distribution reduces wilting and dry spots, with residual effects lasting up to a year. Getting more by using less—that's the power of H2Pro.



icl-growingsolutions.com

ICL Water-soluble Fertilizer Summary Chart

| Brand | Product Name | New Stock # | Icon | Ideally Suited for Water Type(s) | Potential Acidity (A) / Basicity (B) (CCE/ton) | Maximum Solubility (lb/gal) | EC per 100 ppm N (mS/cm) | Oz/100gal to obtain 100 ppm N | 1 level tsp/gal = approx. ppm N | Elemental ppm contained in a 100 ppm N solution | | | | | | | | | | | | | |
|-----------------------|--|-------------|------|----------------------------------|--|-----------------------------|--------------------------|-------------------------------|---------------------------------|---|--------|--------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|-------|
| | | | | | | | | | | NH ₄ -N | Urea-N | NO ₃ -N | P | K | Ca | Mg | S | B | Cu | Fe | Mn | Mo | Zn |
| Peters® Excel® | 19-11-21 Multi-Purpose | E99001 | B | 2 to 4* | 290 A | 4.50 | 0.75 | 7.1 | 283 | 36.8 | 0.0 | 63.2 | 25.2 | 92.1 | 0.0 | 0.8 | 1.1 | 0.105 | 0.105 | 0.500 | 0.237 | 0.050 | 0.237 |
| | 18-18-18 Multi+Purpose | E99000 | B | 2 to 4* | 578 A | 5.50 | 0.79 | 7.5 | 276 | 41.7 | 0.0 | 58.3 | 43.5 | 83.3 | 0.0 | 0.0 | 0.0 | 0.122 | 0.122 | 0.500 | 0.250 | 0.050 | 0.250 |
| | 21-7-7 Acid Hammer | G99002 | C | 3 to 4* | 1218 A | 3.50 | 0.85 | 6.4 | 276 | 66.7 | 0.0 | 33.3 | 14.5 | 27.8 | 0.0 | 1.9 | 48.1 | 0.128 | 0.128 | 0.767 | 0.243 | 0.050 | 0.262 |
| Peters® Excel® | 21-5-20 Multi Purpose | E99150 | B | 2 to 4 | 390 A | 4.00 | 0.63 | 6.4 | 320 | 34.8 | 5.2 | 60.0 | 10.4 | 79.4 | 0.0 | 0.0 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 21-5-20 Multi Purpose No Boron | E99152 | B | 2 to 4 | 377 A | 4.00 | 0.63 | 6.4 | 320 | 34.3 | 5.2 | 60.5 | 10.4 | 79.4 | 0.0 | 0.0 | 0.0 | 0.000 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 15-5-15 Cal-Mag Special | E99140 | A | 2 | 131 B | 3.00 | 0.69 | 9.0 | 194 | 7.3 | 14.0 | 78.7 | 14.5 | 83.3 | 33.3 | 13.3 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| Peters® Professional® | 15-2-20 Pansy, Salvia & Vinca | E99130 | A | 1 to 2 | 234 B | 3.50 | 0.83 | 9.0 | 169 | 10.7 | 5.3 | 84.0 | 5.8 | 111.1 | 25.0 | 13.3 | 0.0 | 0.200 | 0.125 | 0.667 | 0.333 | 0.0500 | 0.250 |
| | 13-2-13 Plug & Bedding Plant Special | E99120 | A | 1 to 2 | 335 B | 5.00 | 0.75 | 10.4 | 168 | 0.0 | 6.9 | 93.1 | 6.7 | 83.3 | 46.2 | 23.1 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 25-5-15 High Efficiency | E99087 | B | 1 to 4 | 593 A | 5.50 | 0.57 | 5.3 | 355 | 43.2 | 0.0 | 56.8 | 8.7 | 50.0 | 0.0 | 0.0 | 0.0 | 0.156 | 0.140 | 0.600 | 0.300 | 0.060 | 0.300 |
| Peters® Professional® | 24-8-16 Foliage Special | E99720 | B | 1 to 4 | 726 A | 3.00 | 0.45 | 5.6 | 250 | 29.6 | 34.2 | 36.3 | 14.5 | 55.6 | 0.0 | 1.5 | 8.3 | 0.063 | 0.063 | 0.250 | 0.125 | 0.0250 | 0.125 |
| | 21-7-7 Acid Special | E99330 | C | 3 to 4 | 1518 A | 4.00 | 0.52 | 6.4 | 245 | 49.5 | 50.5 | 0.0 | 14.5 | 27.8 | 0.0 | 2.9 | 61.9 | 0.125 | 0.125 | 0.714 | 0.238 | 0.0476 | 0.238 |
| | 20-20-20 GP | E99290 | B | 2 to 4 | 576 A | 3.50 | 0.41 | 6.8 | 238 | 20.5 | 52.0 | 27.5 | 43.5 | 83.3 | 0.0 | 0.3 | 0.0 | 0.063 | 0.063 | 0.250 | 0.125 | 0.0250 | 0.125 |
| Peters® Professional® | 20-20-20 GP No Dye | E99291 | B | 2 to 4 | 576 A | 3.50 | 0.41 | 6.8 | 238 | 20.5 | 52.0 | 27.5 | 43.5 | 83.3 | 0.0 | 0.3 | 0.0 | 0.063 | 0.063 | 0.250 | 0.125 | 0.0250 | 0.125 |
| | 20-10-20 GP | E99300 | B | 1 to 4 | 404 A | 3.50 | 0.62 | 6.8 | 305 | 40.0 | 0.0 | 60.0 | 21.7 | 83.3 | 0.0 | 0.8 | 0.0 | 0.063 | 0.063 | 0.250 | 0.125 | 0.0250 | 0.125 |
| | 20-3-19 Petunia Special with black iron | E99091 | B | 1 to 4 | 378 A | 4.00 | 0.77 | 6.8 | 305 | 39.0 | 0.0 | 61.0 | 6.5 | 79.2 | 0.0 | 6.8 | 12.5 | 0.100 | 0.050 | 1.000 | 0.250 | 0.0500 | 0.250 |
| Peters® Professional® | 13-2-13 Plug & Bedding Plant Special No Minors, No Dye | E99340 | B | 1 to 2 | 356 B | 3.00 | 0.74 | 10.4 | 160 | 3.1 | 0.0 | 96.9 | 6.7 | 83.3 | 46.2 | 23.1 | 0.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0000 | 0.000 |
| | 5-11-26 Hydroponic Special | E99310 | B | 1 to 4 | 215 B | 3.00 | 1.45 | 27.0 | • | 0.0 | 0.0 | 100.0 | 95.7 | 433.3 | 0.0 | 120.0 | 160.0 | 1.000 | 0.300 | 6.000 | 1.000 | 0.2000 | 0.300 |
| | 20-10-20 Peat-Lite Special | E99250 | B | 1 to 4 | 415 A | 3.00 | 0.59 | 6.8 | 284 | 40.5 | 0.0 | 59.5 | 21.7 | 83.3 | 0.0 | 0.8 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| Peters® Professional® | 20-10-20 Peat-Lite Special No Boron | E99252 | B | 1 to 4 | 402 A | 3.00 | 0.57 | 6.8 | 284 | 40.0 | 0.0 | 60.0 | 21.7 | 83.3 | 0.0 | 0.8 | 0.0 | 0.000 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 20-2-20 Peat-Lite Low Phos Special | E99270 | B | 1 to 4 | 290 A | 3.00 | 0.60 | 6.8 | 305 | 36.0 | 0.0 | 64.0 | 4.3 | 83.3 | 0.0 | 5.5 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 18-8-17 Peat-Lite High Mag Special | E99240 | B | 1 to 4 | 381 A | 3.00 | 0.65 | 7.5 | 267 | 40.6 | 0.0 | 59.4 | 19.3 | 78.7 | 0.0 | 13.9 | 5.6 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| Peters® Professional® | 17-3-17 Peat-Lite Neutral Cal-Mag | E99230 | A | 1 to 2 | 27 B | 5.00 | 0.65 | 7.9 | 216 | 23.5 | 0.0 | 76.5 | 7.7 | 83.3 | 23.5 | 7.4 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 15-16-17 Peat-Lite Special | E99210 | B | 2 to 4 | 202 A | 4.25 | 0.62 | 9.0 | 197 | 20.7 | 26.7 | 52.7 | 46.4 | 94.4 | 0.0 | 0.7 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 15-5-25 Peat-Lite Flowering Crop Special | E99220 | B | 1 to 4 | 48 A | 2.50 | 0.77 | 9.0 | 225 | 28.7 | 0.0 | 71.3 | 14.5 | 138.9 | 0.0 | 16.7 | 6.7 | 0.045 | 0.125 | 0.500 | 0.250 | 0.5000 | 0.250 |
| Peters® Professional® | 15-3-25 Peat-Lite Flowering Crop Special with black iron | E99321 | B | 1 to 4 | 34 A | 3.00 | 0.98 | 9.0 | 232 | 26.7 | 0.0 | 73.3 | 8.7 | 138.9 | 0.0 | 16.7 | 6.7 | 0.125 | 0.125 | 1.000 | 0.250 | 0.0500 | 0.250 |
| | 15-0-15 Peat-Lite Dark Weather Feed | E99260 | C | 1 to 2 | 221 B | 5.00 | 0.71 | 9.0 | 188 | 13.3 | 0.0 | 86.7 | 0.0 | 83.3 | 33.3 | 13.3 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| | 10-30-20 Peat-Lite Plant Starter | E99350 | B | 2 to 4 | 365 A | 3.25 | 0.86 | 13.5 | 129 | 50.0 | 0.0 | 50.0 | 130.4 | 166.7 | 0.0 | 13.0 | 0.0 | 0.125 | 0.125 | 0.500 | 0.250 | 0.0500 | 0.250 |
| Peters® Specialty | 30-10-10 Hi Nitro Foliar Feed | E99710 | • | • | 1043 A | 4.25 | 0.18 | 4.5 | 300 | 7.0 | 82.7 | 10.3 | 14.5 | 27.8 | 0.0 | 0.0 | 0.0 | 0.067 | 0.167 | 0.333 | 0.167 | 0.0017 | 0.167 |
| | 20-20-20 Ag & Landscape Special | E99700 | • | 572 A | 570 A | 3.50 | 0.51 | 6.8 | 242 | 24.0 | 49.0 | 27.0 | 43.5 | 83.3 | 0.0 | 0.0 | 0.0 | 0.100 | 0.250 | 0.500 | 0.250 | 0.0025 | 0.250 |

*Not recommended for use with water sources containing 100 ppm or less total alkalinity.

For more information on Peters Professional® S.T.E.M.™ and Peters Professional® Uni-Mix® 11-5-11, see the Peters® Specialty Products section of <https://calculators.icl-sf.com/productselector/>.

Organic and Natural Fertilizers

**NATURE'S
SOURCE™**



Professional Plant Food 10-4-3

Nature's Source Professional Plant Food 10-4-3 brings out the best in everything you grow. Imagine better-toned plants, earlier flowering and darker foliage with just one single liquid formula. In addition to N-P-K, Nature's Source contains "Boost Molecules" (amino acids) as well as calcium and magnesium, to improve your plants' performance.

Item: 67-0050 **Size:** 4.7 gal.

Item: 67-0055 **Size:** 55 gal.

Organic Plant Food 3-1-1



The plant food your organic crop needs for quick response and healthy growth. Derived from oilseed extract, a renewable source of plant nutrition. Allowed for use in certified organic production in accordance with the USDA National Organic Program. Low salt formulation can be applied to foliage without burning or stretch. Liquid formulation mixes easily with cold water and can be injected into irrigation systems straight from the container. Pathogen-free, heavy metal free, GMO free, food safety certified.

Item: 67-0065 **Size:** 4.7 gal.

Plant Probiotic

Bring your soil to life. Nature's Source Plant Probiotic contains a beneficial microbial complex to feed your soil.

Item: 67-0070*

Size: 5 lb.

*These items are non-stock.

Nursery & Landscape Special Plant Food 10-4-5

Simple and sustainable for stand-out woodies and ornamentals. Specially formulated for professional growers and equally effective on professional landscapes. Feeds the plants and feeds the soil with beneficial microbial growth.

Item: 67-0085* **Size:** 2.5 gal. (2 pack)

Item: 67-0086* **Size:** 4.7 gal.

Item: 67-0087* **Size:** 55 gal.

*These items are non-stock.

Foliar Essentials BioNutrition Spray 2-1-1

Easy, efficient and effective...naturally. New foliar spray to boost your crops' nutrient efficiency.

Item: 67-0082* **Size:** 275 gal.

*These items are non-stock.

PROFESSIONAL-GRADE PLANT FOODS FOR RETAIL

Quality plant foods are key to a healthy home garden. Give your retail customers the best with professional-grade plant foods. We offer many options for ornamentals, vegetables and houseplants. See our Retail catalog for details.



Organic and Natural Fertilizers



Natural Base Fertilizers



Sustane 4-6-4 All-Purpose Slow Release Fertilizer



4-6-4: Organic non-coated fertilizer in a fast-start granule provides extra phosphorus for plant establishment, along with 4% calcium. 4-6-4 is an all-purpose formulation derived from composted turkey litter, feather meal, bone meal and sulfate of potash also contains 5% humics for soil health.

Sustane 8-2-4 All Natural Slow Release Nitrogen Fertilizer



8-2-4: non-coated, slow release organic fertilizer provides high nitrogen over 6-12 weeks to promote vegetative establishment, specialty crop production. Derived from composted turkey litter, feather meal and sulfate of potash; contains 6% humic acid to build rich soil.

Sustane 8-4-4 All Natural



All natural non-coated slow release granular fertilizer Sustane 8-4-4 is ideal for the production of bedding and foliage crops, hanging baskets, herbs and vegetables. When used in containers the nutrient release profile is 45 days. Sustane 8-4-4 is composed of aerobically composted turkey litter, hydrolyzed feather meal, and sulfate of potash with 5% humates to benefit the soil and soil microbes.

Sustane 12-0-1 Hi N WDF



High nitrogen content in an organic, water dispersible formulation. Suitable for use in hydroponic systems and greenhouse fertigation. Additional uses as in furrow starter fertilizer, foliar feed, and turf fertilizer. May require pre-filtering to prevent clogging of small-bore emitters. Rates: 1-3 lb per 100 gal.

Sustane 12-12-12 CRF Blend

Balanced formulation is a combination of slow release organics and coated controlled release nutrients. Recommended for landscape beds and containers. Supplies primary, secondary, and micronutrients. Provides 12 weeks of release in containers.

Sustane 16-4-8 CRF Blend

This blend is a combination of slow release organics and coated controlled release to provide nursery stock with a time released package. 50% Sustane humus-rich base and provides the benefits of the organics with a pumped-up nutrient analysis. A combination of slow release and controlled release fertilizer to provide nursery stock with a time released 4-1-2 nutrient package blended with a 50% Sustane humus rich, premium organic base. Sustane 16-4-8 is perfect for production of perennials and woody ornamentals. Derived from aerobically composted turkey litter, polymer coated urea, polymer coated MAP, and polymer coated potassium nitrate. 120 day release.

Sustane All-Organic 21-gram Feeder Paks & Compost Tea Bags



Dual use product. Use to brew compost tea for foliar application or place the tea bag directly in the container at potting for extended feeding. Water permeable and fully biodegradable bag supply organic nutrition for hanging baskets, potted plants, or landscape and garden use. Sustane 4-6-4 in water permeable sachets for all hanging baskets, potted plants & landscape maintenance.

| Item | Description | CSUOS |
|-----------|--|-------|
| 67-30201 | 4-6-4 All-Purpose 50 lb. Granular Medium Grade OMRI | - |
| 67-30565 | 8-2-4 All-Natural Organic 50 lb. Granular Medium Grade OMRI | - |
| 67-30569 | 8-4-4, 45 Day 50 lb. Container Grade, Med/Fine OMRI | - |
| 67-552001 | 12-0-1 1 lb. jar OMRI | |
| 67-552003 | 12-0-1 6 lb. jar OMRI | |
| 67-552011 | 12-0-1 20 lb. pail OMRI | |
| 67-50451 | 12-12-12, 90 Day, 50 lb. CRF + Organic fertilizer | - |
| 67-50551 | 16-4-8, 120 Day, 50 lb. Granular Organic Fertilizer & CRF | - |
| 80950005 | Compost Tea Bag 4-6-4 (12 bags/unit) OMRI | 10/10 |

Secondary Nutrients Ca & Mg

For organic Ca and Mg,

see Biomin products on page 268



Calcium Chloride Dihydrate

Applied as a foliar spray to safely add calcium to plant tissue.

Item: 35315 Size: 1 lb.
Item: 35317 Size: 25 lb.



Cal Prime Calcium Nitrate 17-0-0

Calcium nitrate with a higher percentage of calcium and nitrogen than standard calcium nitrate fertilizers.

Item: 67-8125 Size: 25 Kg (50 lb.)



Calcium Chloride Dowflake

Item: 31-11294 Size: 45 lb.



Calcium Nitrate 15.5-0-0

Item: 67-8130 Size: 50 lb.
Item: 67-8130W Size: 50 lb. (WEST COAST)



PureCal Calcium Nitrate 13-0-0

Item: 31-10033 Size: 55 lb.



CalOx FT

CalOx FT patented technology stimulates selective ion channels in plant cell membranes, allowing calcium to flow through plant cells and deliver calcium through the plant even during periods of low transpiration. The 'FT' stands for the calcium Flow Through. CalOx FT increases cellular calcium throughout the plant resulting in stronger stems and optimum growth. Formulation 8-0-0, 10% Ca is stable in storage and does not settle out in container. **Guidelines:** Apply CalOx® FT as a coarse foliar spray every 7-14 day at 18 fl oz per 100 gal or 1 1/8 tsp per gal with CapSil.

Item: 75-0532 Size: 2.5 gal.



Calcium Chelate Sequestar Ca-EDTA 9%

Item: 67-04005 Size: 5 lb.
Item: 67-0400 Size: 25 lb.



Magnesium Chelate Sequestar EDTA 5.5%

Item: 67-04255 Size: 5 lb.
Item: 67-0425 Size: 25 lb.



Magnisal Magnesium Nitrate 11-0-0

Item: 67-4106 Size: 50 lb.



Epsom Salt, Magnesium Sulfate Heptahydrate

Item: 33-79160 Size: 25 lb.



Magriculture Mag Sulfate Hepta Hydrate

Item: 67-7500GW Size: 50 lb. (WEST COAST)



Epsom Salts, Magnesium Sulphate Heptahydrate

Item: 14MGSUL Size: 50 lb.

Specialty Fertilizer Salts



Mono-ammonium phosphate (MAP) 12-61-00

Fully water soluble source of phosphorus and ammonium nitrogen that can be safely used through injectors.

Item: 67-6602 Size: 50 lb.

Mono-potassium phosphate (MKP) 0-52-34

Fully water soluble source of phosphorus and potassium for use through injectors.

Item: 14MPP55 Size: 55 lb.



Multi-K GG Potassium Nitrate 13.5-0-46.2

Greenhouse grade, fully soluble for chemigation, foliar spray, or side-dressing

Item: 67-8505 **Size:** 50 lb.



Potassium Sulfate

Non-Stock. Assorted Sizes Available.



Sulfate of Potash (SOP) 0-0-52

Water soluble source of potassium and sulfate derived from potassium sulfate.

Item: 67-4200 **Size:** 55 lb.



Solutions
for tomorrow's
progress

Ultrasol K Plus Potassium Nitrate 13.7-0-46

Fully water soluble source of potassium and nitrogen suitable for use through injectors and all types of irrigation systems.

Item: 67-9000 **Size:** 25 Kg (55 lb.)



Solutions
for tomorrow's
progress



Nitrate of Soda 15-0-2

Chilean nitrate with potassium sulfate from mined sources supplies organic nitrogen for field production. Pallet quantities only.

Item: 67-3845 **Size:** 50 lb.

*These items are non-stock.

Soil pH Modification

Aluminum Sulfate

Applied as a soil drench to drop soil pH and in the case of hydrangeas also provides the aluminum required for blue flower color.

Item: 14AS50 **Size:** 50 lb.



CalOx pH

CalOx pH is an easy and effective way to raise the pH of crops in soil-less potting media during the production cycle. For use in ornamental and edible crops. The finely micronized calcium in a liquid suspension provides a long-lasting pH adjustment. Rinse foliage after application.

Direct Ship only, plus freight.

Item: 75-0525 **Size:** 2.5 gal.



Potassium Bicarbonate

Potassium Bicarbonate is used to quickly and safely raise soil pH. It is easily applied through fertilizer injector and leaves no visible residue.

Item: 91-2190 **Size:** 1 lb.

Item: 91-21950 **Size:** 50 lb.



Potassium Bicarbonate

Potassium Bicarbonate is used to raise the pH of potting mix during the production cycle. It is also used to add bicarbonate alkalinity for hydroponic production with reverse osmosis-purified water or other water sources with very low alkalinity.

Item: 31-10404 **Size:** 25 kg

Potassium Bicarbonate

pH Adjustment for Potting Mix

1:100 Injector Rates

- 2 lb. per gallon at a 1:100 ratio
High change = ~ 1 point change
- 1 lb. per gallon at a 1:100 ratio
Low change = ~ .5 point change

Hozon Rates

- 24 oz. per 5 gallon
High change = ~ 1 point change
- 12 oz. per 5 gallon
Low change = ~ .5 point change



Buffered pH Up

Item: 87-PHUP **Size:** 1 gal.



Buffered pH Down

Item: 87-PHDOWN **Size:** 1 gal.



pH Reducer

Liquid, based product for use as an organic option for adjusting solution pH and managing media pH. Contains 50% citric acid and a yucca-based, natural wetting agent. Washington State Department of Agriculture (WSDA) approved for use in organic production. Review label for recommended rates.

Item: 1652025GR **Size:** 2.5 gal.

Sulfuric Acid 93% Tech Grade

Added to irrigation water to neutralize excess alkalinity and/or reduce soil pH. Contact GGSPRO for rates and precautions.

Item: 75-5030 **Size:** 1 gal/ 1 cs. min. - 4 per cs.

Various sizes available.

Phosphoric Acid Tech Grade

Item: 75-207555 **Description/Size:** 75% 55 gal.

Item: 75-208555 **Description/Size:** 85% 55 gal.

Phosphoric Acid Nitric Acid 38%

Item: 75-3855NA **Size:** 55 gal.

Micronutrients

Assorted Sizes Available. Non-Stock unless otherwise noted.

Boron: Solu-Bor (20.5%)

Item: BORON1 **Size:** 1 lb.

Item: J745612 **Size:** 20 lb.

Copper Chelate EDTA (14%)

Item: 67-04055 **Size:** 5 lb.

Item: 67-0405 **Size:** 25 lb.

Copper Sulfate (26%)

Item: 31-11259 **Size:** 22.68 kg

Iron Sulfate

Item: 14FESUL **Size:** 50 lb.

Iron Chelate - Fe EDTA (13%)

Item: 67-04205 **Size:** 5 lb.

Item: 67-0420 **Size:** 22 lb.

Iron Chelate - Fe DTPA (11%)

Iron Chelate - Fe EDDHA (6%)

Item: 67-04105 **Size:** 5 lb.

Item: 67-0410 **Size:** 25 lb.

Manganese Chelate EDTA (13%)

Item: 67-04305 **Size:** 5 lb.

Item: 67-0430 **Size:** 25 lb.

Manganese Sulfate

Item: 31-10271 **Size:** 50 lb.

Ammonium Heptamolybdate

Item: J74744 **Size:** 1 lb.

Sodium Molybdate 39.6% Mo

Item: 31-12485 **Size:** 1 Kg (2.2 lb.)

Zinc Chelate EDTA (14%)

Item: 67-04355 **Size:** 5 lb.

Item: 67-0435 **Size:** 25 lb.

■ BASF Sprint 330 & Sprint 138

High Performance Iron Chelates for Soil Applications

Sprint 330 and Sprint 138 are strong chelated forms of iron that maintain and protect iron availability. Sprint 138 is more effective when soil pH is higher than 6.5. Apply as soil drench at 3-5 oz per 100 gal. (rinse excess off leaves & flowers immediately following drench.)

Item: 67-70371 **Size:** 5 lb/Pkg
Sprint 138- 6% Fully Chelated EDDHA Iron plus 4-0-0

Item: 67-70361 **Size:** 5 lb/Pkg
Sprint 330- Iron Chelated 10% DTPA Iron plus 8-0-0

Item: 67-70365 **Size:** 50 lb/Pkg
Sprint 330- Iron Chelated 10% DTPA Iron



Plantex Iron Chelate EDTA (13.2%) & EDDHA (6%)

Item: 67-1906 **Size:** 5 lb. **Item:** 67-12905 **Size:** 5 lb.

Item: 67-1907 **Size:** 50 lb. **Item:** 67-12904 **Size:** 50 lb.

Micronutrient Mixes



M.O.S.T (Mix of Soluble Traces)

A water soluble supplement containing the full package of essential micronutrients: sulfur, boron, copper, iron, manganese, molybdenum, zinc. M.O.S.T is mixable with fertilizers not containing calcium.

Item: J74394 **Size:** 1 lb.

Item: 33633 **Size:** 25 lb.



Mix of Soluble Trace Elements With No Boron (MOSTNB)

A NO Boron mix of soluble trace elements for locations naturally high in boron.

Item: JPMOSTNB **Size:** 25 lb.



S.T.E.M Trace Element Liquid

SOLUBLE TRACE ELEMENT MIX - Micronutrient liquid supplement containing the ideal balance of essential micronutrients: boron, copper, iron, manganese, molybdenum, zinc. Liquid S.T.E.M. in a convenient, ready-to-mix liquid formulation. Goes from the jug to the tank in one easy step with no solubility issues.

Item: 67-2366 **Size:** 2.64 gal.



NUTRITRACE

Chelated Secondary Micronutrient Mix is a water soluble mix of secondary nutrients which can be used as a general preventative supplement or as a corrective where known deficiencies exist.
No Boron.

Item: 31-11172 **Size:** 25 lb.



AgSil 16H

Soluble form of potassium silicate provides the plant with an available source of silicon by soil drench or foliar spray. Silicon provides tolerance to salt and mineral toxicity, increased resistance to drought, heat and other abiotic stresses. Disease and pest issues may be reduced by deposition of the silicon in plant tissue as well as inducing the inherent resistance mechanisms of the plant. Monitor pH in stock tank to be maintained above 7.0 at all times or solution will gel. Do not apply with fertilizers other than chelated minerals.

Item: 67-1000 **Size** 50 lb.



Evofactor Nutrient Adjuvant

Fertilizer enhancer improves uptake efficiency, allowing a reduction of fertilizer and improved growth with the OpusMAX delivery system and humic acid. Suitable for ornamental and CEA crops.

Item: 67-9610 **Size:** 2.5 gal.

Item: 67-9615* **Size:** 55 gal.

*This item is non-stock.

GGSPRO TIP

EVOFACTOR

Evofactor is an innovative product labeled as a nutrient adjuvant. Added directly into your concentrated nutrient stock tank, Evofactor will increase nutrient uptake into the plant. It can be used to improve yield or crop quality as well as reduce production costs in the form of decreased water-soluble fertilizer inputs.



ON-Gard 5-0-0

An organic biological plant nutrient formulated from plant-derived proteins applied as a foliar spray or as drench. Acts as a vegetative biostimulant with multiple plant health benefits.

Item: 67-9185* **Size:** 2.5 gal.

*These items are non-stock.



Bio-Stimulants and Inoculants

Companion Maxx 2-0-1

Companion Maxx Liquid combines the power of *Bacillus subtilis* to convert the complex form of essential nutrients to a simple form used by plant roots. This product's bacterium enhances nutrient uptake and the kelp provides a source of potash and food for beneficial microbes. For use on ornamentals only in greenhouse, landscape and nursery applications. No use on edible crops.

Item: 166072 **Size:** 2.5 gal.

Item: 166080* **Size:** 30 gal.

*This item is non-stock.



Essential Plus T&O 1-0-1

Essential Plus T&O 1-0-1 is a soil amendment derived from potassium humate, proteins, sugars and a natural wetting agent containing *Yucca schidigera* for use on use on turf and ornamental crops in greenhouses and nurseries. Essential is a rich source of building blocks not found in typical (NPK) fertilizers. A high concentration of humic acid replenishes soils that have been depleted of organic matter, helps alleviate soil compaction, and provides a food source for beneficial soil microorganisms. **No food crop uses.**

Item: 1660105GR **Size:** 1 qt.

Item: 1660110GR **Size:** 1 gal.

Item: 1660120GR **Size:** 2.5 gal.



NOVA Green Essential 1-0-1 Cannabaceae

Nova Green Essential Organic 1-0-1 is a soil amendment supplying carbon rich organic materials in a readily usable form. This powerful carbon solution functions as a plant bio-stimulator and food source for microbial activity. Sugars, enzymes, amino acids, carbohydrates, a natural wetting agent, humus molecules and natural plant saponins and cytokinins to improve germination, rooting, photosynthesis and overall plant growth. It can be used on all potting soil media such as coco, rockwool, peat moss and perlite.

Item: 1690253NG **Size:** 1 qt.

Item: 1690254NG **Size:** 1 gal.

Item: 1690255NG **Size:** 2.5 gal.

Item: 1690256NG **Size:** 30 gal.

SP-1



A complete biofertilizer, designed to manufacture fertility in the soil. Contains a diverse community of Plant Growth Promoting Rhizobacteria (PGPR), plant based humus extract, algae as a nitrogen source, and fermented plant extracts. Ingredients work together to make nutrients more available, improve water use efficiency, and transform the soil structure through BioAeration.™

Item: 168025 **Size:** 2.5 gal.



TerraGrow



Microbial inoculant is a combination of five *Bacillus* species with humic acid, soy protein extract and kelp extract to support proliferation in the root zone.

Item: 67-2999* **Size:** 5 lb.

Item: 67-3000* **Size:** 10 lb.

Item: 67-3002* **Size:** 25 lb.

*These items are non-stock.





MycoApply Mycorrhizae

MycoApply mycorrhizae are mixes of beneficial fungi which colonize the roots of plants and become a functional part of the roots. This enhanced root mass provides for more efficient water and nutrient uptake, increasing the ability of the plant to withstand stresses and establish more quickly. Ninety-five percent of plants form these symbiotic relationships with soil mycorrhizae in nature. The majority utilize the Endo-(interior) mycorrhizae, but many types of trees utilize the Ecto-(exterior) forms. The colonization and benefits last the lifetime of the plant. MycoApply is supplied as a granular formulation for field and soil incorporation, a suspendable powder for soil incorporation or drench application, as injectable powder formulations for drench or boom spray application, or in new next-generation liquid formulations.

| Product | Item # | Quantity | OMRI | Application Method | | | | |
|------------------------------------|--------------------|-----------------|------|--------------------------|--------------------|----------------|---------------------------|---|
| | | | | # of Mycorrhizae Species | Soil Incorporation | Plug/Liner Dip | Media Drench Applications | Compatible with Drippers, Sprayers, and Injectors |
| MycoApply Endo - I (Granular) | 67-95101 | 40 lb. | • | 4 Endo | • | | | |
| MycoApply Endo/Ecto - I (Granular) | 67-95151 | 40 lb. | • | 4 Endo 3 Ecto | • | | | |
| *MycoApply Ultrafine Endo | 67-9523 67-9525 | 1 lb. 20 lb. | • | 4 Endo | • | • | • | |
| *MycoApply Ultrafine Endo/Ecto | 67-9518 67-9519 | 1 lb. 20 lb. | • | 4 Endo 3 Ecto | • | • | • | |
| *MycoApply Soluble Maxx | 67-9530 | 1 lb. | • | 9 Endo 10 Ecto | • | • | • | |
| MycoApply Injector Endo | 67-9521 | 100 grams | • | 4 Endo | • | • | • | • |
| MycoApply Injector Ecto | 67-9524 | 100 grams | | 5 Ecto | | • | • | • |

*Product can pass through screens up to 300microns (US sieve #50).

**Highlighted boxes indicate most common methods of application

Bio-Stimulants and Inoculants



Bioimin Booster 126



Bioimin® Booster 126 is a micro-nutrient mix, Amino acid-complexed B, Cu, Fe, Mg, Mn, and Zn are bioavailable and non-phytotoxic.

Item: 16-03082 **Size:** 2.5 gal.

Bioimin Calcium 5%



Bioimin® Calcium contains calcium complexed with amino acids for soil and foliar uptake. It is completely bioavailable and non-phytotoxic to plants when applied in accordance to directions. Designed to prevent and correct deficiencies and to boost crops during critical or fast growing periods. May be applied with nitrogen fertilizer.

Item: 16-03012 **Size:** 2.5 gal.

Bioimin Magnesium 3%



Bioimin® Magnesium contains amino acid-chelated magnesium for soil and/or foliar application. Completely bioavailable and non-phytotoxic to plants when applied in accordance to directions. Designed to prevent and correct magnesium deficiencies and to boost crops during critical or fast growing periods. May be applied with nitrogen fertilizers.

Item: 16-03042 **Size:** 2.5 gal.

Bioimin Nitrogen 5-0-0



Bioimin® Nitrogen 5-0-0 is a natural, organic fertilizer derived from hydrolyzed vegetable proteins to supply nitrogen to plants. Nitrogen is important because it is a vital component of living cells, enzymes, proteins, and photosynthesis in plants. It also aids plant growth, improves leaf quality, and increases seed and fruit production.

Item: 16-03422 **Size:** 2.5 gal.

Bioimin Potassium 2-0-25

Bioimin® Potassium 2-0-25 is a liquid plant food designed for soil and/or foliar applications. Bioimin® Potassium is compatible with most fertilizer solutions and pesticides.

Item: 16-03482 **Size:** 2.5 gal.

Bioimin Iron 1-0-0



Bioimin® Iron contains 5% amino acid chelated iron for soil and foliar applications. Completely bioavailable and non-phytotoxic to plants when applied in accordance to directions. May be applied with nitrogen fertilizers.

Item: 16-03032 **Size:** 2.5 gal.

Humax



Humax contains 12% humic acid extracted from leonardite. Humax can be used as a soil or foliar application. It may enhance micronutrient uptake by plants. It is compatible with most fertilizer solutions and biological and enzymatic formulations.

Item: 16-01112 **Size:** 2.5 gal.

Fulmax

Fulmax contains 3% fulvic acid extracted from leonardite. It can be applied as a soil or a foliar application to improve nutrient availability, stimulate plant growth, and increase the cation exchange capacity of soil.

Item: 16-01182 **Size:** 2.5 gal.

ADDITIONAL BIOSTIMULANT PRODUCTS

Refer to the Fungicides section for these additional products which have both biostimulant activity and fungicidal properties.

Actinovate, Cease, Companion, EcoSwing, Fosphite, LalStop K61, Obtego, Phostrol, Regalia, RootShield, RootShield Plus, Stargus, Triathlon BA

GGSPRO is available to answer your questions about biostimulants.

Email: ggsprotech@griffinmail.com



Florikan®
Nutricote



Nutricote Technology

Nutricote controlled release fertilizers utilize a unique polymer resin which coats the fertilizer granule to provide a continuous slow release of nutrients throughout the crop cycle. The coating is resilient and resists cracking when used in mixing equipment. Nutricote is available in various longevities ranging from 40 days to 360 days of release based on an average soil temperature of 77°F. The products can be either incorporated or topdressed, and are available in both NPK (Nutricote) and NPK + minors (Nutricote Total) formulations.

Important Note: Nutricote cannot be steam sterilized.

Nutricote Total NPK plus minor nutrients

Nutricote Controlled Release Fertilizer contains NPK in a controlled release prill. Resin coating provides safe and predictable nutrient release over a wide range of conditions. Day lengths are calculated on an average soil temperature of 77°F.

| Item | Description | Release Time | Pkg. |
|------------|--|--------------|--------|
| 33-1311040 | FLORIKAN Nutricote TTL 13-11-11 | 40 day | 50 lb. |
| 33-1311070 | FLORIKAN Nutricote TTL 13-11-11 | 70 day | 50 lb. |
| 33-1311100 | FLORIKAN Nutricote TTL 13-11-11 | 100 day | 50 lb. |
| 33-1311140 | FLORIKAN Nutricote TTL 13-11-11 | 140 day | 50 lb. |
| 33-1311180 | FLORIKAN Nutricote TTL 13-11-11 | 180 day | 50 lb. |
| 33-1868100 | FLORIKAN Nutricote TTL 18-6-8 | 100 day | 50 lb. |
| 33-1868140 | FLORIKAN Nutricote TTL 18-6-8 | 140 day | 50 lb. |
| 33-1868180 | FLORIKAN Nutricote TTL 18-6-8 | 180 day | 50 lb. |
| 32-200460 | FLORIKAN Nutricote total blend with minors | 40/180 day | 50 lb. |
| 33-556270 | FLORIKAN Nutricote TTL 18-6-8 3 stage | 270 day | 50 lb. |
| 33-453140 | FLORIKAN Nutricote TTL 18-4-6 | 140 day | 50 lb. |
| 33-1649270 | FLORIKAN Nutricote TTL 16-4-9 | 270 day | 50 lb. |



GAL-XeONE™ Coating Technology

GAL-XeONE™ is a controlled-release fertilizer with a new, advanced polymer coating technology. It delivers optimal nutrients to the plant at a pace that matches a plant's uptake requirements. GAL-XeONE™ fertilizer provides gradual release of plant nutrients to match a plant's growth cycle as needed. It improves efficiency, limits plant damage and reduces nutrient loss.

- Controlled nutrient release from 2 up to 18+ months
- Sustained nutrient delivery to improve plant health
- Reduced losses from volatilization and leaching, and minimized risk of scorching
- Reduced number of applications therefore reducing labor and logistics costs
- Applying the right source of nutrients at the right rate at the right time and in the right place



| Item | Description | Pkg. | Release Time at 77°F |
|-------------|--|--------|----------------------|
| 33-330110 | 12-6-6 Florikan CRF NPK PRO w/GAL-XeONE 60 Day | 50 lb. | 60 day |
| 33-126890FS | 12-6-8 Fast Start 90 Day | 50 lb. | 90 day |
| 33-445140 | 17-5-11 Florikan CRF NPK MAX w/GAL-XeONE 140 Day | 50 lb. | 140 day |
| 33-17511180 | 17-5-11 Florikan CRF NPK MAX w/GAL-XeONE 180 Day | 50 lb. | 180 day |
| 33-12411100 | 12-4-11 Florikan CRF NPK PLUS w/GAL-XeONE 100 Day w/ Calcium Nitrate | 50 lb. | 100 day |
| 33-12411140 | 12-4-11 Florikan CRF NPK PLUS w/GAL-XeONE 140 Day w/ Calcium Nitrate | 50 lb. | 140 day |
| 33-12411CFR | 12-4-11 Florikan CRF NPK PLUS w/GAL-XeONE 180 Day w/ Calcium Nitrate | 50 lb. | 180 day |

Florikan Nano 14-4-14

- Eliminating the risk of damage from excess salt
- Increases the uniformity of the crops
- Provides ten times more fertilizer than traditional fertilizers
- Provides consistent availability regardless of water requirements

Features

- 100% Polymer Coated Fertilizer
- 1:1 N to K Ratio
- NPK + Micronutrients
- Small Particle Size - SGN 100-150

| Item | Description | Pkg. | Release Time at 77°F |
|---------------|--|--------|----------------------|
| 33-14414T90N | 14-4-14 Florikan CRF NPK MAX w/GAL-XeONE - Nano Mini Prill - 90 Day | 50 lb. | 90 day |
| 33-16511T180N | 16-5-11 Florikan CRF NPK MAX w/GAL-XeONE - Nano Mini Prill - 180 Day | 50 lb. | 180 day |

Florikan™ Sapphire

Florikan Sapphire is a controlled release aluminum sulfate which assists in obtaining blue flowers on various hydrangeas. Florikan Sapphire slowly releases the aluminum element giving more safety to the grower than other conventional sprays and granular versions. This product reduces root damage and multiple applications. Florikan Sapphire is available in both 3-4 month release and 6-7 month release to fit the blooming cycle for most nursery locations.

| Item | Description |
|--------------|------------------|
| 33-ALS040180 | 50 lb. - 180 day |
| 33-ALS04090 | 50 lb. - 90 day |





Osmocote® Plus

Osmocote® Plus 15-9-12

The Only Patterned Release Fertilizer

- ICL Specialty Fertilizers Patterned Nutrient Release Technology™ delivers: Pre-defined release patterns - Pre-defined longevity
- Coated N-P-K + magnesium and micronutrients; homogeneous
- Full season N-P-K, magnesium and micronutrients
- Designed for general nursery and greenhouse production, special circumstances such as sensitive or high value crops, and dibbling equipment. It can be incorporated or surface applied. Get the best return on your fertilizer investment, safely, by matching the nutrient release patterns with plant needs for optimal quality.
- Recommended for use when growing a wide variety of crops or in combination with water soluble fertilizer for a steady source of nutrition throughout the season
- Available in longevitys ranging from 3 to 14 months

Osmocote® Bloom

Osmocote® Bloom 12-7-18

Specially formulated for small container greenhouse plants with a production time of 6-12 weeks. 100% resin-coated homogenous cores contain NPK plus essential micronutrients. The small prill size ensures even distribution of nutrition in the root zone.

Consistent delivery

Osmocote® Bloom features controlled release technology. The same reliable technology more growers have trusted for decades. Simply incorporate the 100% coated prills into your growing media prior to planting. The pre-defined longevity of N-P-K and micronutrients assures your plants will consistently receive the nutrition they need for health growth all the way through to market.

Balanced nutrition

This is a complete package of N-P-K, blended with magnesium and essential trace elements. The formulation ratios encourage faster and stronger root development and facilitates the growth of more compact, consistently sized plants, with excellent color and flowering.

- Specially formulated for plants grown in smaller containers with a production time of 6-12 weeks
- 100% coated, containing N-P-K, magnesium and essential micronutrients
- Small prill size promotes even distribution of nutrition in the root zone

Osmocote® Plus Application Rates for 15-9-12
(Excluding Florida)

| Topdressing (established plants) Rates in grams | 3-4 | | | 5-6 | | | 8-9 | | |
|---|-----|-----|------|-----|-----|------|-----|-----|------|
| Standard Containers | Low | Med | High | Low | Med | High | Low | Med | High |
| 6" Aza /HB (1.5 qt.) | 3 | 7 | 10 | 5 | 8 | 12 | 7 | 11 | 15 |
| 8" Mum Pan (1 gal.) | 5 | 14 | 21 | 10 | 17 | 25 | 15 | 23 | 31 |
| 10" HB (1.5 gal.) | 9 | 24 | 36 | 17 | 30 | 44 | 26 | 39 | 54 |
| Trade 1 gallon | 5 | 12 | 18 | 8 | 15 | 22 | 13 | 20 | 27 |
| 3 gallon | 19 | 52 | 78 | 36 | 65 | 94 | 55 | 84 | 117 |



Item: 67-1525

Size: 50 lb.



Item: 67-1530

Size: 50 lb.



Item: 67-1540

Size: 50 lb.

Osmocote® Bloom Application Rates for 12-7-18

| Topdressing (established plants) Rates in grams | | | |
|---|---------|-------|-------|
| Standard Containers | Low | Med | High |
| 4" Square (1.25 pt.) | 0.9-1.2 | 1.2-2 | 2-3 |
| 6" Azalea (1.5 qt.) | 2-3 | 3-5 | 5-6 |
| 8" HB (3 qt.) | 4-6 | 6-9 | 9-13 |
| 10" HB (1.5 gal.) | 8-10 | 10-17 | 17-23 |
| 12" Color Bowl (2 gal.) | 10-13 | 13-22 | 22-31 |



Item: 67-1010

Size: 50 lb.



Item: 67-1012

Size: 50 lb.



Osmocote® Blend

Reliable performance at an economical price.

ICL Specialty Fertilizers Osmocote® Blends are proven to reliably deliver the nutrition your plants need to thrive. The variety of mixes available provides you with options to choose the right formulation to meet the nutritional needs for a wide range of nursery crops. And as an added bonus, all of these mixes are economically priced, making them a good value for your fertilizer dollar.



Osmocote® Blend 18-5-12

With Micronutrients Featuring Quickstart

- For use on nursery stock, foliage and landscapes
- Contains Osmocote® coated N-P-K blended with micronutrients and other fertilizer technologies, to deliver nutrition consistently within specified longevities
- This product features uncoated, Quickstart® nutrients for an immediately available starter charge which is especially useful for green-up applications or to offset the nitrogen draw of green bark
- Can be incorporated or surface applied



Item: 67-1578 **Size:** 50 lb.



Item: 67-1580 **Size:** 50 lb.

Osmocote® Blend 21-4-8

With Micronutrients General Purpose Formulations

- For general purpose outdoor production of nursery stock, foliage and in landscapes
- General Purpose formulation of Osmocote® coated N-P-K blended with micronutrients and other fertilizer technologies, to deliver nutrition consistently within specified longevities
- This product contains sulfur-coated urea nitrogen and uncoated granular micronutrients
- Can be incorporated or surface applied



Item: 67-1564 **Size:** 50 lb.



Item: 67-1565 **Size:** 50 lb.

Osmocote® Blend with Iron 18-5-8

Blended formulation that combines our Osmocote® 100% resin coated prills with our newest E-max polymer coated technologies. Micronutrients are derived from multiple sources to provide a starter charge and two different controlled release coated forms for sustained delivery throughout the predefined product release period.

- Higher Nitrogen reduces rates and the fertilizer cost per container.
- Safe & predictable nutrient release.
- Helps maintain green foliage on iron inefficient plants. Excellent for areas with highly alkaline irrigation water. Contains a starter charge plus two coated forms of extra iron to provide 3 separate presentations of iron to the plants.



Item: 67-1130 **Size:** 50 lb.



Item: 67-1135 **Size:** 50 lb.



Item: 67-1140 **Size:** 50 lb.



Item: 67-1145 **Size:** 50 lb.

Osmocote® Blend with Fusion - No-Spill Prill

New Osmocote® Blend with Fusion has been specially developed for surface applications in container nursery stock. When applied as directed, the unique Fusion Technology works to bind the



prills to the growing media. Should containers get knocked over, more of the fertilizer stays in place, minimizing the need for reapplication. This reduces labor and additional fertilizer costs. Efficient and effective, ICL Specialty Fertilizers Fusion Technology™ is proven to help maximize the nursery grower's fertilizer investment.

19-6-9



Item: 67-1042 **Size:** 50 lb.

20-4-7



Item: 67-1043 **Size:** 50 lb.



Controlled Release

- Coated N-P-K; homogeneous
- Pre-defined longevity of N-P-K with no minor nutrients
- For optimal results use with Micromax® Micronutrients

Designed for incorporation in general nursery and greenhouse production. Use in combination with Micromax® Micronutrients for optimal results. Osmocote® products provide proven, reliable performance.



14-14-14

- For use in nursery, foliage and greenhouse production, container gardens, interiorscapes and landscapes.
- No minors

Item: 67-1025 Size: 50 lb.



18-6-12

- For use in nursery, foliage and greenhouse production, container gardens, interiorscapes and landscapes.
- No minors

Item: 67-1040 Size: 50 lb.

| Surface application rates per container (grams) | 14-14-14 | | | 18-6-12 | | |
|---|----------|-----|------|---------|-----|------|
| Container Size Topdressing (established plants) | Low | Med | High | Low | Med | High |
| 6" std. round pot | 3 | 8 | 13 | 7 | 11 | 15 |
| Trade 1 gallon | 5 | 13 | 20 | 11 | 17 | 23 |
| Trade 2 gallon | 13 | 31 | 47 | 25 | 40 | 54 |
| 3 gallon | 23 | 55 | 84 | 45 | 71 | 97 |
| 10" Hanging Basket | 11 | 26 | 39 | 21 | 33 | 45 |
| 12" Hanging Basket | 16 | 39 | 59 | 32 | 50 | 68 |

Low = Sensitive Plants Med = Nursery Stock and Foliage
High = Nursery Stock



Perfect-A-Feed Fertilizer Dispensers

- Large Capacity
 - Holds 5 quarts of granular material
- Precise Application
 - Each drum (1 tsp - 6 grams)
 - (1 tbsp - 18 grams) 100% accurate

Plastic crank feeder with changeable measuring drums. Includes a 1 tsp. (6 grams) measuring drum and a 3' extension. Unit comes with tablespoon and teaspoon measuring drums.

Item: 83-1730



Osmocote Blend with E-Max Release Technology

A new coating chemistry offering greater flexibility to customize fertilizers to meet your exact growing needs. This technology is for use on a wide variety of nutrient components that are incorporated into ICL Specialty Fertilizers controlled release fertilizers. The overall value is the flexibility to customize nutrition solutions to match the specific needs of your crops, which helps to optimize your fertilizer investment.

Features/Advantages

E-Max is a reacted polymer coating that is applied to essential macro and micronutrients. Components coated with this new chemistry are produced to the same high Osmocote® performance standards to ensure reliable, consistent and safe release.

1. The coating's thin weight allows for higher nutrient ratios
2. The coating is strong and durable to assure dependable results
3. Release mechanism is based on moisture and temperature offering predictable longevities even under extremely warm conditions

Grower Benefits

- Offers flexible nutrition solutions while still maintaining a sustainable growing program
- Safe, predictable results
- Enhanced blending and application
- No sulfur; less chance of driving down media pH

Osmocote Blend Topdress Special

These fertilizers are for container nursery stock, foliage and landscapes and are designed to provide a consistent release of high-quality nutrition. Enhanced with E-Max Release Technology™. These formulations are available with important secondary and micronutrients, along with phosphorous, potassium and coated nitrogen. Ideally suited for quick green up applications, these topdress products may be used in conjunction with liquid or dry fertilizer programs.

12-6-6



Item: 67-1571

Size: 50 lb.

12-6-8



Item: 67-1572

Size: 50 lb.

Osmocote Blend 23-4-8

These nursery mixes are specially designed for general purpose outdoor production of nursery stock, foliage and in landscapes. They contain Osmocote® coated N-P-K blended with coated urea Nitrogen featuring E-Max Release Technology™.



Item: 67-1566

Size: 50 lb.



Item: 67-1567

Size: 50 lb.



Item: 67-1568

Size: 50 lb.

Osmocote Blue-Max

Specially formulated for use in the production of blue variety Hydrangeas.

Osmocote Blue-Max™ features polymer-coated E-Max Release Technology™ that conveniently delivers controlled release aluminum sulfate (Al) to create and maintain the desired blue color of hydrangea flowers. With this coated approach, growers can deliver a steady supply of Al to the plant in a safe and reliable manner. And unlike with drenches, the consistent release within specified longevities eliminates the need for repeated applications, saving time, labor and ultimately dollars. **Limited Availability.**



Item: 67-1605

Size: 50 lb.



Micromax

Micromax® Micronutrients

Micromax® is the only homogeneous granular micronutrient fertilizer available. Its homogeneous formula maximizes sulfated elements for optimum plant utilization and prevents micronutrient segregation. This is a good prescriptive product for general nursery and greenhouse production. Each homogeneous prill contains the secondary and micronutrient elements lacking in today's growing media.



- Its granular formulation is designed to increase the efficiency of the major nutrient program and to maximize plant growth by boosting the availability of micronutrients in the root zone
- Topdressing and incorporating Micromax® Micronutrients and Osmocote® provides growers with the opportunity to create an effective and complete nutritional platform to optimize plant growth
- Homogenous granular formulation
- Easy to use

Item: 67-1625 **Size:** 50 lb.

Agriform

Fertilizer Planting Tablets 20-10-5



Safe Fertilization for use at Planting Time

Agriform® planting tablets contain micronutrients derived from sulfates, which results in more nutrition being utilized by the plant. The simplicity of these pre-measured tablets ensures uniform and adequate root zone feeding of trees, shrubs and ground covers for up to two years. 21 gm tablets.

Landscape Established plantings:

Trees: use 2 tablets per 1" of trunk diameter
Shrubs: use 1 tablet per 8" of height or spread

| Nursery / Greenhouse | Container Size | Tablets Per Container |
|----------------------|--------------------|-----------------------|
| | 1 Quart Pot | 1 |
| | 6" Pots | 1 |
| | 8" Hanging Basket | 2 - 3 |
| | 10" Hanging Basket | 3 - 4 |
| | 12" Hanging Basket | 6 |
| | 1 gallon Container | 2 - 3 |

- Rates should be reduced by one-half for salt sensitive plants or low light interiors
- Irrigate after application
- Keep remaining tablets in a tightly sealed container

Item: 67-1825 **Qty:** 500

Peters Professional®

UNI-MIX®
GROWING MEDIA NUTRIENT CHARGE

Peter's Professional® Uni-Mix 11-5-11

Grower Media Nutrient Charge is easy to use. Contains major, secondary and trace elements. Incorporated at 2 lb. per cubic yard of medium. Add Uni-Mix, limestone and wetting agent to growing media blend for professional results.



Item: 67-2352 **Size:** 50 lb.

Osmocote® Plus 8-9

Osmocote Plus 15-8-11

7.5 gm Tablets plus Micronutrients

- Convenient, ready-to-use 7.5 gram tablet
- Recommended for use when growing a wide variety of crops or in combination with water soluble fertilizer for a steady source of nutrition throughout the season
- Two sources of iron make it ideal for foliage plants and other woody ornamentals
- Consistently available nutrition through out the entire crop cycle
- The benefit of minors with the convenience of providing all the nutrition plants need in a single application
- Excellent for baskets and patio pots

Item: 67-1905 **Qty:** 1,000

GGSPRO TIP

BLUELAB ONEPEN

This 3-in-1 tool measures pH, Conductivity (EC/PPM), and Temperature, optimizing nutrient uptake. Connect via Bluetooth for real-time sharing, updates, and comprehensive data management.



The clean solution to a dirty problem



Peters[®] Excel

Sludge, gunk, crud.

Whatever you call it, clogged irrigation emitters are a big problem that will cost you big money. Low-end water-soluble fertilizer can gum up your lines, resulting in more down time and wasted labor and water. Peters Professional is a premium product that delivers premium results. Its pure formulation keeps irrigation lines clean while delivering the highest quality nutrition available. Keep your lines and profits flowing—contact ICL today.



Get the app.



growwithpeters.com



Apogee Light Meter

Apogee's new Daily Light Integral and Photoperiod meters are an elegant and accurate solution for measuring Daily Light Integral (DLI) and Photoperiod for up to 99 days with scientific accuracy and 0.1 hour resolution of DLI. View data onscreen or download. Easily mounts to camera tripod, provides 180° view, and is contained in a rugged and splash-proof housing for durability.

- Item: 83-2800 Description: DLI-400
- Item: 83-2801 Description: DLI-500
- Item: 83-2802 Description: DLI-600



| | DLI-400 | DLI-500 | DLI-600 |
|--|---|---|---|
| Spectral Measurement Range (± 5 nm) | 370 to 650 nm (sunlight only) | 389 to 692 nm | 383 to 757 nm |
| Proton Flux Display Range | 0-4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | 0-4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | 0-4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ |
| Measurement Frequency | 3 minutes | 3 minutes | 3 minutes |
| Data Log Capacity | 99 days (DLI & Photoperiod), 10 days (30 min PPFD/ePPFD averages) | 99 days (DLI & Photoperiod), 10 days (30 min PPFD/ePPFD averages) | 99 days (DLI & Photoperiod), 10 days (30 min PPFD/ePPFD averages) |
| Connectivity | CSV file via USB-C data transfer | CSV file via USB-C data transfer | CSV file via USB-C data transfer |
| Operation | 2 AAA batteries, life 6 mo. | 2 AAA batteries, life 6 mo. | 2 AAA batteries, life 6 mo. |
| Operating Environment | -10 to 60 C; 0 to 100% relative humidity | -40 to 70 C; 0 to 100% relative humidity | -40 to 70 C; 0 to 100 % relative humidity |
| Ingress Protection | IP65 | IP65 | IP65 |
| Mounting Compatibility | Brass 1/4-20 threaded mount | Brass 1/4-20 threaded mount | Brass 1/4-20 threaded mount |
| Warranty | Warranty 4 years against defects in materials and workmanship | Warranty 4 years against defects in materials and workmanship | Warranty 4 years against defects in materials and workmanship |



HI98130 Combo (A)

Waterproof pH/EC/TDS/Temperature Tester - 12880 Solution

The HI98130 Combo waterproof tester offers high accuracy pH, EC/TDS and temperature measurements all in a single tester! pH and EC/TDS readings are automatically compensated for the effects of temperature (ATC). These technologically advanced testers have a replaceable pH electrode cartridge with an extendable cloth junction as well as an EC/TDS graphite electrode that resists contamination by salts and other substances.

Use solutions: 74-2535, 74-2540, 74-2536, 74-2525, 74-2530.

Range

pH 0.00 to 14.00 pH EC 0.00 to 20.00 mS/cm
TDS 0.00 to 10.00 ppt Temp 0.0 to 60.0°C or 32.0 to 140.0°F

| Item | Vendor | Description |
|---------|---------|----------------------------------|
| 83-1779 | HI98130 | Combo Waterproof pH/EC/TDS meter |
| 83-1729 | HI73127 | Replacement pH electrode |

HI98312 DiST® 6 (B)

Waterproof EC/TDS/Temperature Tester - 12880 Solution

Hanna Instruments continues the tradition of innovation with the DiST®6. For this series, we have included all the features you have asked for such as a replaceable graphite electrode, adjustable TDS ratio, temperature in C° or F°, automatic temperature compensation with adjustable β, battery level indicator, stability indicator, automatic, and automatic calibration using 12.88 mS/cm solution all in a floating, waterproof casing. These 3-in-1 testers are unmatched in EC/TDS/Temperature measurement! **Use solution:** 74-2536.

Range

EC 0.00 to 20.00 mS/cm TDS 0.00 to 10.00 ppt
Temp 0.0 to 60.0°C or 32.0 to 140.0°F

| Item | Vendor | Description |
|---------|---------|--------------------------------|
| 83-1778 | HI98312 | DiST®6 Waterproof EC/TDS Meter |
| 83-1749 | HI73311 | Replacement pH electrode |

HI98127 pHep®4 pH/Temperature Tester (C)

Waterproof pH/Temperature Tester

The pHep®4 includes features such as a dual-level LCD, battery level indicator, replaceable pH electrode cartridge, stability indicator, automatic shut-off and automatic calibration using pH4 + pH7 solution all in a floating, waterproof casing.

Calibration solutions: 74-2525, 74-2530, 74-2535, 74-2540.

Range

pH 0.0 to 14.0
Temp 0.0 to 60.0°C or 32.0 to 140.0°F

| Item | Vendor | Description |
|---------|---------|----------------------------------|
| 83-1724 | HI98127 | pHep®4 Waterproof pH/temp. Meter |
| 83-1729 | HI73127 | Replacement pH electrode |



Calibration Solutions

The importance of buffer and maintenance solutions could not be understated. These solutions should be used to initially calibrate all Hanna hand held meters and keep them working accurately for years.

| Item | Vendor | Description |
|---------|-----------|-----------------------------------|
| 74-2510 | HI500021P | Cal Check Solution 25/pcs |
| 74-2520 | HI7031M | ¼ liter 1.413 mS/cm |
| 74-2536 | HI7030M | 12.88 mS/cm Conductivity Solution |
| 74-2525 | HI7007M | ¼ liter pH 7.01 buffer solution |
| 74-2530 | HI7004M | ¼ liter pH 4.01 buffer solution |
| 74-2535 | HI70300M | ¼ liter storage solution |
| 74-2540 | HI7061M | ¼ liter cleaning solution |



pH Pen (A)

The Bluelab hand held pH pen provides a compact, quick and handy way to manage the success of your crop to ensure maximum uptake of nutrients.

Item: 83-2701

Conductivity (EC/PPM) Pen (B)

The Bluelab Conductivity Pen can read EC, PPM and temperature of water solutions.

Item: 83-2702

Multimedia pH Meter (C)

Accurately measure and monitor pH levels in solution or in a wide range of media. Combine the Multimedia pH Meter and Leap™ pH Probe to take fast accurate measurements.

| Item | Description |
|---------|-------------------------|
| 83-2774 | Multimedia pH Meter |
| 83-2776 | Leap™ Replacement Probe |

Combo Meter Plus (D)

Measures pH, conductivity and temperature in one portable handheld meter. This all-in-one, convenient portable solution for accurate measurement of pH in soil or nutrient solutions. Conductivity (EC) and temperature of solutions. This battery-powered, lightweight unit can be used anywhere, anytime to measure critical parameters related to healthy plant growth. The new Bluelab Leap pH probe included, also allows fast and accurate pH measurements direct from the root zone in a wide range of growing media including soil, coco coir, potting mixes and nutrient solution- no more pH slurries or extraction mixes.

| Item | Description |
|---------|----------------------|
| 83-2777 | Combo Plus Meter |
| 83-2739 | Carry Case |
| 83-2776 | Leap Spear-Tip Probe |



Guardian Monitor (E)

Provides 24 hour continuous reading for pH, conductivity (EC/PPM) and temperature within a nutrient solution in hydroponics and other systems. Connect monitors has alarm notification and wireless data logging.

| Item | Description |
|---------|---------------------------------|
| 83-2711 | Guardian Connect Monitor |
| 83-2770 | Guardian Monitor Inline Connect |
| 83-2772 | Guardian Inline pH Probe |
| 83-2737 | Connect Stick |
| 83-2738 | Connect Range Extender |

Combo Meter EC (F)

Measures pH, conductivity (EC) and temperature on the go. Brilliantly simple design that's easy to use, clean and calibrate for solution measurements. Backlit display to capture every measurement with ease. Includes a pH Probe and Conductivity Probe to cover all your nutrient uptake fundamentals. 2-meter cable for measuring in hard-to-reach locations. Customise scales to your preference - conductivity in EC, CF, PPM 500 (TDS) or PPM 700; temperature in °C or °F.

Item: 83-2709

OnePen (G)

The Bluelab OnePen is a robust 3-in-1 tool for measuring pH, Conductivity (EC/PPM), and Temperature, optimizing nutrient uptake. Connect via Bluetooth for real-time sharing, updates, and comprehensive data management.

Item: 83-2707



Guardian Monitor Inline Connect (A)

24/7 monitoring of pH, EC and temperature directly in your irrigation and nutrient feed line. View nutrient feed parameters on your mobile phone no matter where you are. Large, backlit display for at-a-glance viewing. High and low alarms to alert you when your parameters are out of range

Item: 83-2770

Pro Controller (B)

Monitor and automate nutrient and pH dosing in reservoirs when paired with Bluelab PeriPod dosers. In-built safety lockouts prevent excessive dosing. View your reservoir parameters on your mobile phone no matter where you are. Multi-part nutrient dosing possible with multiple PeriPods and Connect software. Controls pH in the up (alkali) or down (acid) direction. High and low alarms to alert you when parameters are out of range.

Item: 83-2779

Calibration Solutions and Probe Care Kits pH & Conductivity

All the tools you need to care for Bluelab probes. The probe surface is where the instrument takes the reading of the solution or soil/media. If the probe face is dirty or contaminated, then the reading will be inaccurate. Accurate readings simplify crop management and provide improved growth.



| Item # | BlueLab Calibration Solutions | Amt. |
|---------|---|---|
| 83-2751 | pH 7.0 Calibration Solution | 500 ml /16.9 fl oz. |
| 83-2754 | pH 7.0 Calibration Solution | 250 ml /8.45 fl oz. |
| 83-2752 | pH 4.0 Calibration Solution | 500 ml /16.9 fl oz. |
| 83-2755 | pH 4.0 Calibration Solution | 250 ml /8.45 fl oz. |
| 83-2753 | EC 2.77 Conductivity Solution | 500 ml /16.9 fl oz. |
| 83-2756 | EC 2.77 Conductivity Solution | 250 ml /8.45 fl oz. |
| 83-2758 | KCL Storage Solution | 120 ml = 4.05 fl oz. |
| 83-2734 | Probe Care Kit – Conductivity 2 sachet – EC 2.77, 1 plastic cups, conductivity probe cleaner, chamois | Each single use sachet – 20 ml /0.67 fl oz. |
| 83-2736 | Probe Care Kit – pH & Conductivity 2 sachet – pH 7.0, pH 4.0, KCL, EC 2.77 3 plastic cups, pH probe cleaner, conductivity probe cleaner, pH probe brush, chamois | Each single use sachet – 20 ml /0.67 fl oz. |
| 83-2735 | Probe Care Kit – pH 2 sachet – pH 7.0, pH 4.0, KCL, 3 plastic cups, pH probe clean-er, pH probe brush | Each single use sachet – 20 ml /0.67 fl oz. |

pH Controllers and Dosers (C)

Controllers provide selectable, single-direction correction (either up or down), with the ability to control across the full pH range with an accuracy of +/- 0.1 point. Dosing up to 10 ml per minute to support reservoirs up to 200 gallons. Easy calibration protocols and visual alarm states. pH Controller Connect includes wireless data logging capabilities. Use with Bluelab pH Down (35% phosphoric acid) or pH Up (35% potassium hydroxide) solutions.

| Item | Description |
|---------|-----------------------|
| 83-2712 | pH Controller |
| 83-2713 | pH Controller Connect |

Pulse 3-1 Multimedia Meter (D)

Allows growers to get fast, accurate temperature, moisture, and EC measurements directly from the root zone sent direct-to-mobile. Quickly and accurately spot-check moisture, conductivity and temperature. Wireless smartphone syncing meter.

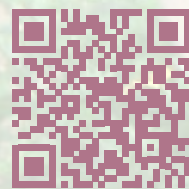
Item: 83-2778

Commercial Truncheon Meter

An EC meter built to last a lifetime – now on a bigger scale. Robust and reliable construction for long-lasting value. Fully waterproof; splash, submerge or sink - we've got you covered. Automatically detects liquids and bright LEDs indicate measurement for brilliantly simple functionality. Long-format design for mixing and measuring nutrient reservoirs simultaneously. No calibration required and easy to clean and disinfect. All conductivity scales included – EC, CF, PPM 500 (TDS), PPM 700. Industry-leading five-year warranty for peace of mind. Ideal for hydroponics.



IRRIGATION



Professional Hoses

DRAMM

ColorStorm Professional Rubber Hose

ColorStorm-Professional Rubber Hose is made from EPDM rubber for a “crackless” hose cover that is resistant to abrasion, weathering and kinking.

| Item | Description |
|----------|------------------|
| 33-2150 | 50' - 5/8" hose |
| 33-2250 | 50' - 3/4" hose |
| 33-2175 | 75' - 5/8" hose |
| 33-2275 | 75' - 3/4" hose |
| 33-2100 | 100' - 5/8" hose |
| 33-22100 | 100' - 3/4" hose |



Element® Contractor FARM® Hose

Heavy-duty contractor-grade water hose. 400+ PSI burst strength, powerful enough to handle the high water pressure necessary for extreme work conditions. Heavyweight reinforcement at key areas for maximum durability. The hose is available as both a 5/8-inch garden hose and as a 3/4-inch garden hose, with the extra-large 3/4-inch water hose moving 20 percent more water.

| Item | Description |
|----------|--|
| 82160041 | ELEMENT Contractor/FARM HOSE 3/4" X 50' |
| 82160042 | ELEMENT Contractor/FARM HOSE 3/4" X 75' |
| 82160043 | ELEMENT Contractor/FARM HOSE 3/4" X 100' |
| 82160044 | ELEMENT Contractor/FARM HOSE 5/8" X 50' |
| 82160045 | ELEMENT Contractor/FARM HOSE 5/8" X 75' |
| 82160046 | ELEMENT Contractor/FARM HOSE 5/8" X 100' |

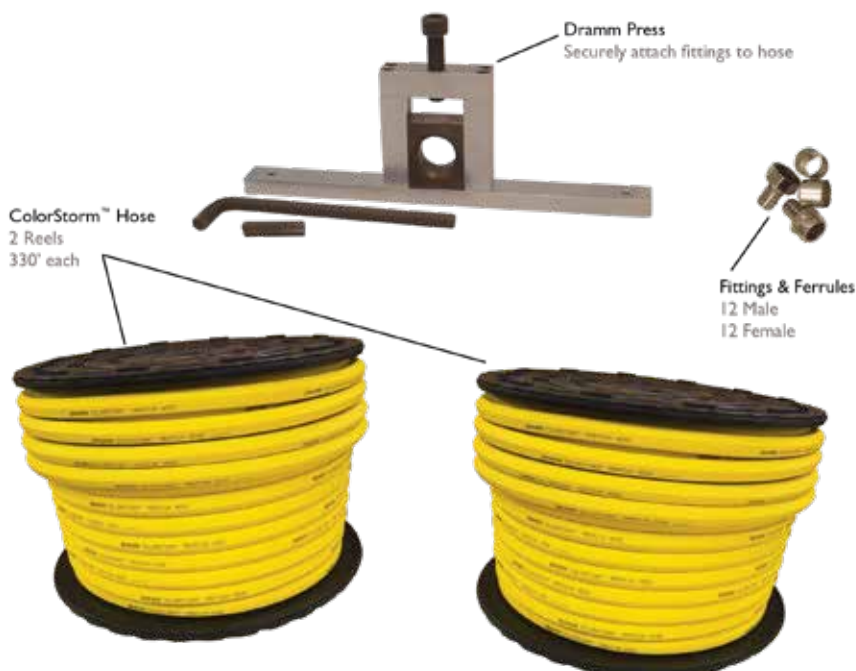


Custom Hose Starter Kit

Make your own hose lengths easily and quickly with our Custom Hose Starter Kit.

Dramm ColorStorm Professional Hose has become the durable and flexible choice of growers around the world. This kit makes it easy to get started cutting your own length of hose.

The kit includes the Dramm Press, our easy to use hose crimper, with one set of jaws, two spools of 330' ColorStorm Hose and 12 male and 12 female fittings with ferrules - enough to make 12 hoses. It is available in either 5/8" or 3/4" kits. Part numbers and components are listed below.



5/8" Custom Hose Kit

- 5/8" Hose
- 2- 330' Spools 5/8" ColorStorm™ hose
- 1- DP Frame – Free of Charge
- 1- DP-J625 5/8" Jaws
- 12- 5/8" Male Fittings/Ferrules
- 12- 5/8" Female Fittings/Ferrules

Item: 33-2266

3/4" Custom Hose Kit

- 3/4" Hose
- 2- 330' Spools 3/4" ColorStorm™ hose
- 1- DP Frame – Free of Charge
- 1- DP-J750 3/4" Jaws
- 12- 3/4" Male Fittings/Ferrules
- 12- 3/4" Female Fittings/Ferrules

Item: 33-2267

Replenishment Parts for Kit

| Item | Description |
|----------|--|
| 33-20343 | 3/4" X 330' Master Roll ColorStorm Hose (No Fitting) |
| 33-20583 | 5/8" X 330' Master Roll ColorStorm Hose (No Fitting) |

ColorStorm™ Custom Size (Min. 10')

| Item | Description |
|----------|---|
| 33-22000 | 3/4" ColorStorm Hose ft Yellow Wp 125 psi 17989 |



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Or email your inquiry to irrigationdept@griffinmail.com

Machined Brass Couplers with Worm Gear Clamp

| Item | Description |
|----------|-------------|
| 33-67351 | 3/4" Male |
| 33-67352 | 3/4" Female |
| 33-67301 | 5/8" Male |
| 33-67302 | 5/8" Female |



FAST-LOK

F-series Band Clamps

Preformed clamps are double wrapped and formed to a given diameter. Used primarily where one end of the hose or article is free to allow the clamps to be slid over the hose end before the fitting is inserted.



| Item | Description |
|-----------|--|
| 42-800100 | F-38 Locking tool |
| 42-800200 | F-3 3/8" x 1 1/8" Galvanized steel preform clamp |
| 42-800300 | F-311 3/8" x 1 1/8" Galvanized steel preform clamp |
| 42-800400 | F-4 5/8" x 1" Galvanized steel preform clamp |
| 42-800500 | F-5 5/8" x 1 1/4" Galvanized steel preform clamp |
| 42-800600 | F-6 5/8" x 1 1/2" Galvanized steel preform clamp |

Brass Connectors

| Item | Vendor | Description |
|----------|---------|----------------------------|
| 33-6240 | 7FPS7FH | DFS 3/4" NPT x 3/4" NH |
| 80150557 | 7MP7FH | 3/4" NPT (M) x 3/4" NH (F) |



Double Female Swivel (DFS)



Male (M) / Female (F)

Brass Quick Connectors

- Heavy-duty solid brass construction
- Allows most water flow of any quick connector systems
- Easily attaches to nozzle or sprinkler for quick connection to hose



Male



Female

| Item | Description |
|----------|------------------------|
| 80150515 | Quick Connector Set |
| 80150514 | Male Quick Connector |
| 80150152 | Female Quick Connector |

Hose Repair Metal Clinch Couplers

| Item | Description |
|----------|-------------|
| 81780172 | 3/4" Female |
| 81780174 | 5/8" Male |
| 81780177 | 5/8" Mender |



melnor

HiFlo™ 4-Way Hose Valve

Large size allows greater water flow and large knobs ensure easy operation. Durable ABS construction.

| Item | Description |
|----------|-------------|
| 81780242 | 4 Way |



DRAMM

QAV Shut-Off Valve

The QAV uses a unique, patent-pending valve design includes a single-piece ball, stem and handle assembly to reduce the time to assemble while strengthening the structure.

Item: 50-72318



Dramm 300 Professional Brass Shut-Off

The Dramm 300 Brass Shut Off offers unmatched durability and flow. Built to last, be repairable, and offer full flow, the 300 Brass Shut Off is the gold standard for hand watering. Flow rate: 17 GPM.

| Item | Description |
|-----------|---------------------------|
| 41-400300 | Brass Shut-Off |
| 41-400400 | Brass Shut-Off Repair Kit |



OneTouch High Flow Valve

OneTouch HF will offer twice the flow rate with less than an ounce additional weight. Larger openings to accommodate more flow, light enough for all-day use. Flow rate: 16 GPM.

Item: 33-5365



Heavy Duty Plastic Shut-Off Valve

Made from glass filled polypropylene to be very durable, corrosion resistant and lightweight while offering a full flow. Flow rate: 18 GPM.

Item: 33-51051



amiad

WATER SYSTEMS

Plastic Ball Valves

Impact resistant plastic for long-term service.



| Item | Description |
|---------|-------------------------------|
| 30-2425 | Blue Ball Valve Hose to Hose |
| 30-2430 | Black Ball Valve Pipe to Pipe |



SMC

1/4 Turn Brass Shut-Off Valves & Repair Kit

| Item | Description |
|---------|---|
| 33-3275 | 1/4 Turn Shutoff SO-75 Hose to Hose (A) |
| 33-3276 | 1/4 Turn Shutoff V-58 Pipe to Hose (B) |
| 33-3277 | 1/4 Turn Shutoff V-75 Pipe to Pipe (C) |
| 33-3278 | 1/4 Turn Repair Kit - Replaces all but main body of valve |



593 Comfort Grip Nozzle (A)

- Die-cast zinc body with stylized soft vinyl grip for more comfort
- Grip is molded directly on nozzle body

Item: 80150043

594 Cushion Grip Select-A-Spray® (B)

Select-A-Spray® combines quality construction and convenience for the ultimate water nozzle: choose the precise water coverage you need from the four pattern spray selection.

- Soft vinyl grip for extra cushion
- Heavy-duty, die-cast metal body
- All brass valve stem and adjusting nut

Item: 80150044



01F Replacement Hose Coupling - Female

Fits all 5/8" to 3/4" rubber or plastic hoses

Item: 80150001



01M Replacement Hose Coupling - Male

Fits all 5/8" to 3/4" rubber or plastic hoses

Item: 80150005



01HM Hose Mender

Fits all 5/8" to 3/4" rubber or plastic hoses

Item: 80150003



AY2FF Full Flow Double Hose Shutoff "Y" Connector

- Non-corroding, high impact polymer construction
- Full ball valve prevents leakage

Item: 80150571



01RW Rubber Hose Washers

- 10 washers per package

Item: 80150007



AS1FF Full Flow Water Shut-off Valve

- Swiveling nut prevents hose kinks
- Non-corroding, impact resistant polymer construction

Item: 97-63252



02FW Hose 3/4" Coupling Filter Washers

- Molded-in metal screen, fits all hose couplings
- 3 per package

Item: 80150184



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Or email your inquiry to irrigationdept@griffinmail.com



1000PL Water Breaker

Water your plugs or seedlings with the softest full-flow watering nozzle available. The 1000PL Red Head Water Breaker has over 1000 micro holes that create an ultra-soft flower shower which will not disturb delicate soil or harm tender plants. Made in the USA from ABS plastic and stainless steel. Weight 1.6 oz. GPM = 7 @ 40 PSI



| Item | Description |
|---------|--------------------------|
| 33-5233 | Regular soft flow - Red |
| 33-5236 | Narrow soft flow - Green |
| 33-5237 | Wide soft flow - Orange |

750 Lemonhead Water Breaker

The 750 Lemonhead Water Breaker is designed to offer a lower, softer flow. Just as soft as the 1000 PL red head, The 750PL allows for more precise watering and gives growers yet another choice for more flexibility in watering. It has 25% less hole surface area which offers a lower flow that can be regulated by a shut-off valve for minimal water and still retain a pattern. Weight 1.6 oz. GPM = 7 @ 40 PSI



Item: 33-5234

Seedling Nozzle

The Seedling Nozzle allows you to water fragile plants, delicate seedlings or plant cuttings. This high-quality nozzle produces an extra fine hollow cone mist pattern and sprays a 1/2 gallon of water per minute. Made in the US from solid brass with 3/4" hose threads. Weight 2.7 oz. GPM = 1/2 @ 40 PSI

Item: 33-5235



170 Aluminum Water Breaker

The 170AL Water Breaker is excellent for watering in areas with low water pressure or with systems which restrict total water volume. It is designed for small containers (hanging baskets), and when using fertilizer siphons. Adjust water flow to 50% of its volume. Cast aluminum with 3/4" hose threads. Weight 1.6 oz. GPM = 7 @ 40 PSI

Item: 33-5225



400 Aluminum Water Breaker

The original full-flow shower head nozzle. The aluminum 400 Water Breaker provides fast, full-flow watering without damage to your plants. Used by professional growers worldwide. Cast aluminum with 3/4" brass hose threads. Manufactured in the USA. Weight 5.1 oz. GPM = 11.1 @ 40PSI

Item: 33-5230



400PL Water Breaker

The 400PL Water Breaker provides fast, full-flow watering without damage to your plants. Patterned after the original 400 Aluminum Water Breaker with 3/4" hose threads, the 400PL is made from high-impact ABS plastic and aluminum to provide a lightweight alternative. Weight 1.3 oz. GPM = 11.1 @ 40PSI

Item: 33-5231



Professional Watering Tools

DRAMM

400PL Water Breaker with Protective Ring

Adds more protection to the plastic 400 PL.

Item: 33-6101



350 PL Water Breaker

High-Flow, Aerated Stream. The plastic 350PL Screen-Aire is a light weight, full flow nozzle for quick watering. Made from durable, lightweight POM plastic and stainless steel screens, the 350PL offers high flow with an ultra-soft, aerated pattern. Perfect for quickly watering containers and nursery stock while not washing the media or fertilizer out of the pot.

Item: 33-350PLC



Handi-Reach Handle Aluminum Extension Rods

| Item | Description |
|---------|--|
| 33-5120 | 16" Aluminum Extension Rod |
| 33-5122 | 24" Aluminum Extension Rod |
| 33-5123 | 30" Aluminum Extension Rod |
| 33-5124 | 36" Aluminum Extension Rod |
| 33-5125 | 36" Extra Curve Aluminum Extension Rod |
| 33-5126 | 48" Aluminum Extension Rod |
| 33-5128 | 48" Extra Curve Aluminum |

DRAMM

FOGG-IT Nozzle | (4 sizes)

| Item | Description |
|-----------|---------------------------------|
| 33-5325 | 2 GPM Regular (Orange) |
| 33-5326 | 1 GPM Fine (Purple) |
| 33-5327 | ½ GPM Super Fine (Green) |
| 41-300500 | 4 GPM Heavy (Blue) |
| 33-6610F4 | 1/4 GPM Super Superfine (Black) |



Wonder Waterer

A must for plug growers

Our most popular seedling waterer. Highest quality nozzle, extension, shutoff and strainer for watering seedlings. The face plate is removable for easy cleaning. Very uniform, soft water pattern.

| Item | Description |
|---------|---------------------------------|
| 33-5625 | Wonder Waterer w/in-line filter |
| 33-5626 | Replacement Face Plate w/gasket |
| 33-5627 | Replacement Strainer |



Replacement Face Plate



Replacement Strainer



2025

The Netafim Solution

Inverted Fogging, Misting, and Sprinkler Nozzles

Scan the QR code here to read about the Netafim solution.



CoolNet Pro Fogger & Components

Use CoolNet Fogger Nozzles for cutting propagation, to add humidity or to cool your facility.

| Item | Description | Vendor |
|---------|---|--------------|
| 5017077 | Coolnet Pro Fogger 4 nozzles | 63100-058305 |
| 5016013 | Leak Prevention Device (LPD) W/ORANGE Pin | 63000-003205 |



CoolNet Pro Fogger

VibroNet Sprinkler

Single Bench with VibroNet Sprinklers

| Bench/ Width (ft) | Spacing Between Sprinklers (ft) | Height Above Crop 2 - 3 ft or 3 - 5 ft |
|----------------------|------------------------------------|---|
| 4 | 3 | VN-BL or VN-GN |
| 5 | 3 | VN-BL or VN-GN |
| 6 | 3 | VN-BL or VN-GN |

VN-GN = VibroNet Green Nozzle 11.7 GPH • VN-BL = VibroNet Blue Nozzle 9.2 GPH

| Item | Description | Vendor |
|----------|-------------------------------------|--------------|
| 50170151 | VibroNet Sprinkler Green (11.7 GPH) | 64300-005010 |
| 50170152 | VibroNet Sprinkler Blue (9.2 GPH) | 64300-001010 |



VibroNet Sprinkler
Blue



VibroNet Sprinkler
Green

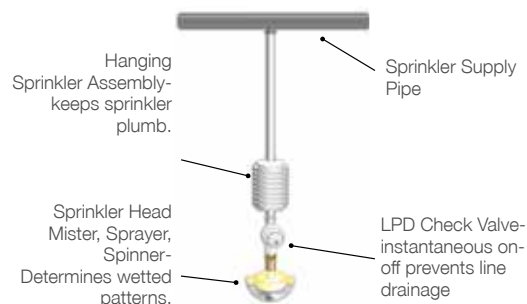
Netafim Sprinkler Design Guide

Scan the QR code here to read about Sprinkler Designs.



SpinNet Inverter Sprinklers

| Item | Description | Vendor |
|---------|--|--------------|
| 5016150 | SpinNet Red Body, Red Mist Control, Grey Spinner (18.4 GPH) | 64200-001255 |
| 5016160 | SpinNet Red Body, Red Mist Control, Green Spinner (18.4 GPH) | 64200-010760 |
| 5016180 | SpinNet Yellow Body, Brown Mist Control, Grey Spinner (23.4 GPH) | 64200-001785 |
| 5016170 | SpinNet Brown Body, Brown Mist Control, Green Spinner (23.4 GPH) | 64200-013960 |
| 5016130 | SpinNet Red Body, Red Mist Control, Blue Spinner (18.4 GPH) | 64200-032010 |
| 5016140 | SpinNet Brown Body, Brown Mist Control, Blue Spinner (23.4 GPH) | 64200-033010 |



Hanging Sprinkler Assembly

| Item | Tube length | Vendor |
|---------|--|--------------|
| 5017067 | 24" Hanging Sprinkler Assembly | 63000-005860 |
| 5017069 | 36" Hanging Sprinkler Assembly | 63000-007160 |
| 5017070 | 48" Hanging Sprinkler Assembly | 63000-008350 |
| 641780 | 48" Hanging Sprinkler Assembly Extension | 63000-008461 |

Assembly Components



| Item | Description | Vendor |
|---------|--|--------------|
| 5017065 | Leak Prevention Device (LPD) w/Purple Pin (A) | 63000-003005 |
| 5017066 | Micronet Base To Dan Sprinkler Adapter (B) | 63000-002620 |
| 5017061 | Dan Base To Micronet Sprinkler Adapter (C) | 63000-002515 |
| 5016025 | Rubber Grommet For 3/8" Tapered Thread Adapter (D) | 12291066 |
| 5017059 | Pvc Tapered Thread Adapter 3/8" (E) | 63000-002103 |
| 5017057 | 1/2" Fpt Adapter for Drops (F) | 63000-001210 |
| 5017054 | 4/7 mm Tubing Connector Barb X Male (G) | 63000-002073 |
| 5017058 | 4/7 mm Tubing Connector Barb X Female (I) | 63000-001953 |
| 5013105 | PSI 4/7MM Pistol Punch Tool (H) | 11897785 |
| 5013076 | Vari-Flow Valve Barb x Barb (G) | 42155 |

Vibro Spray HF Sprinkler

10' wide coverage with 8' spacing between sprinklers



| Item | Description |
|---------|------------------------------|
| 5017055 | Normal flow: 1 GPM at 30 psi |



Save Installation Labor with Pre-Punched Tube

| Item | Description | Vendor |
|---------|---|--------------|
| 5013136 | 500' 20mm Prepunched 36" o/c with holes for 4/7 mm tube | 19953-000015 |



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Or email your inquiry to irrigationdept@griffinmail.com

Hanging Basket Tech Sheet

Scan the QR code for a hanging basket tech sheet.



Hanging Basket Dripper Assemblies



| Item | Description | Vendor |
|---------|--|--------------|
| 5013718 | 18" P/C .5 GPH Dripper Assembly w/ slimline weight | 40201-015402 |
| 5013724 | 24" P/C .5 GPH Dripper Assembly w/ slimline weight | 40201-015403 |
| 5013736 | 36" P/C .5 GPH Dripper Assembly w/ slimline weight | 40201-015405 |

Basic Drinker Assemblies

Recommended uses:

- Hanging baskets
- Potted crops
- Nursery crops
- Landscapes

Scan the QR code for more drinker assembly options.



| Item | Description | Vendor |
|---------|--|--------------|
| 5013624 | 24" WPCJ Pressure Compensating Drinker Assembly - 35 PSI | 40201-020500 |
| 5013636 | 36" WPCJ Pressure Compensating Drinker Assembly - 35 PSI | 40201-020900 |
| 5013424 | 24" WP Drinker Assembly with Barbed Base Woodpecker - 20 PSI | 40201-018200 |
| 5013436 | 36" WP Drinker Assembly with Barbed Base Woodpecker - 20 PSI | 40201-018300 |

Weights are not included with assemblies.

Dripper Stake Assemblies



| Item | Description | Vendor |
|-----------|---|--------------|
| 44-800024 | 24" P/C .5 GPH Drinker Assembly w/ barbed stake | 40201-020600 |
| 44-800036 | 36" P/C .5 GPH Drinker Assembly w/ barbed stake | 40201-021000 |
| 44-800048 | 48" P/C .5 GPH Drinker Assembly w/ barbed stake | 40201-021300 |

Components used with Drinker Assemblies

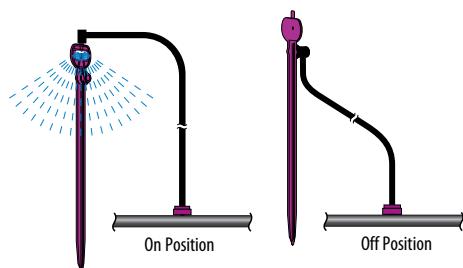


| Item | Description | Vendor |
|----------|---------------------------------|--------------|
| 5016090 | Red Plastic Weight for Drinkers | 32000-002220 |
| 50160901 | Slimline White Weight | 00130-000033 |
| 50161051 | Angled 6" Barbed Stake | 32000-001807 |
| 5016100 | 4" Stabilizer Peg | 32000-001500 |

PC with CNL Spray Stakes

Improved Control of Water and Fertilizer

- Pressure Compensation (PC) assures the last container in the row gets the same amount of water as the first
- Prevents over watering. The check valve prevents water in the supply pipes from draining into the lowest plants after the valve shuts off



PC with CNL Spray Stake Assemblies

| Item | Description | Vendor |
|---------|---|--------------|
| 509-112 | 36" Plum P/C Spray Stake Assembly 3.2 GPH (Stake Sold Separately) | 40201-002020 |
| 509-113 | 48" Plum P/C Spray Stake Assembly 3.2 GPH (Stake Sold Separately) | 40201-024700 |
| 509-107 | 36" Grey P/C Spray Stake Assembly 6.6 GPH (Stake Sold Separately) | 40201-002320 |
| 509-108 | 48" Grey 509-108 Stake Assembly 6.6 GPH (Stake Sold Separately) | 40201-024800 |

PC with CNL Spray Stake Components

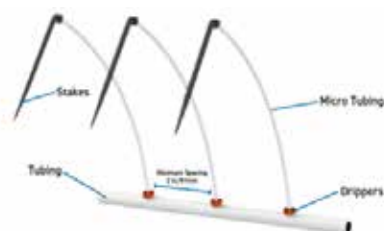
| Item | Description | Vendor |
|---------|--|--------------|
| 5010081 | Plum PCNL Spray Stake Single Pattern 3.2 GPH | 22500-002030 |
| 5010091 | Grey PCNL Spray Stake Single Pattern 6.6 GPH | 22500-002130 |
| 5010008 | Plum/Black Drinker Button Emitter 3.2 GPH | 21520-001690 |
| 5010009 | Orange/Grey Drinker Button Emitter 6.6 GPH | 21630-001530 |
| 5014230 | 5mm Elbow For Spray Stake Assemblies | 32000-002525 |

Efficient Operation | Netafim solutions for nursery containers are designed to wet the soil surface evenly to maximize water retention by the soil mix and evenly release liquid or timed-release fertilizers.



Custom Assembled Drip Tube

Save labor on install! Just roll out the pre-assembled tube and connect to your fittings!



Features & Benefits:

- Completely customized to your facilities specifications.
- Save labor on install!
- All you need to do is roll out the pre-assembled tube and connect to your pre-existing fittings!

Select:

- Tube size
- Emitter spacing
- Flow rate
- Length of spaghetti tube

Choose dripper stakes or slimline weights.



1. Select size of tube:

16mm (0.520 ID – 0.620 OD) 500 Series Fittings, **17mm** (0.560 ID – 0.660 OD) 500 Series Fittings, **18mm** (0.620 ID – 0.710 OD) 600 Series Fittings, **20mm** (0.820 ID – 0.920 OD) 800 Series Fittings, **25mm** (1.060 ID – 1.200 OD) 1000 Series Fittings

2. Distance from beginning of tube to 1st Emitter: Ex: 30" of 16mm tube before 1st emitter.

3. Emitter Spacing (choose a path):

- Emitters evenly spaced, Ex. 2 inched spacing (minimum available)
- Tight grouping with large space in between, Ex. 4 emitters grouped with 24" spacing in between

4. Select Dripper/ Emitters: 0.32 GPH, 0.50 GPH, 0.58 GPH, 0.79 GPH, 1.0 GPH

5. Select Length of Spaghetti Tube: 18 inch, 24 inch, 30 inch, 36 inch

6. Distance from last emitter to end of tube: Ex: 16" of 16mm tube after last emitter.

To receive a quote for this labor saving innovation ask you Griffin sales rep or contact Griffin's Irrigation Department.



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Or email your inquiry to irrigationdept@griffinmail.com



NetBow

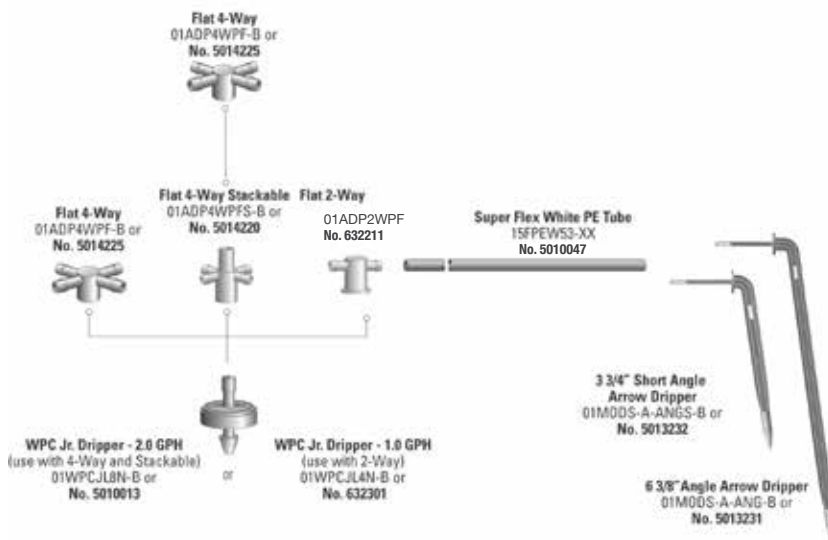
Save Labor! NetBow's evenly spaced emitters distribute water uniformly contributing to optimum root zone development. Compatible with 2 to 15 gallon containers.

| Item | Description | Vendor |
|---------|----------------------------|--------------|
| 5010094 | NetBow 5" Irrigation Ring | 77470-000142 |
| 5010093 | Netbow 10" Irrigation Ring | 77470-000106 |

Complete NetBow assemblies and several connection options available for direct shipment. Contact Griffin Irrigation Specialist for more details.

MOD Components

| Item | Description | Vendor |
|---------|-----------------------------------|--------------|
| 5014225 | Flat 4-way Manifold Fitting | 32000-002570 |
| 5014220 | Flat Stackable Manifold Fitting | 32000-002589 |
| 632211 | Flat 2-Way Manifold Fitting | 32000-002538 |
| 5013231 | 6 3/8" Angle Arrow Dripper | 22000-001320 |
| 5013232 | 3 3/4" Short Angled Arrow Dripper | 22000-000920 |



Flat 4-Way MOD Assemblies

| Item | Description | Vendor |
|---------|---|--------------|
| 5013206 | Flat 4-Way (18" & 18") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-002550 |
| 5013210 | Flat 4-Way (18" & 30") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-003200 |
| 5014214 | Flat 4-Way (24" & 24") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-003600 |
| 5014212 | Flat 4-Way (24" & 36") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-003900 |
| 5014215 | Flat 4-Way (30" & 30") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-004400 |
| 5010013 | 2GPH WPC Jr. P/C Woodpecker Dripper Blk/Grn | 21520-001740 |

Flat Stackable MOD Assemblies

| Item | Description | Vendor |
|---------|--|--------------|
| 5013207 | Stackable 4-Way (18" & 18") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-007500 |
| 5015212 | Stackable 4-Way (24" & 36") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-008200 |
| 5015215 | Stackable 4-Way (24" & 36") MOD Assembly w/ 6 3/8" Angle Arrow Dripper | 40201-008400 |
| 5010013 | 2GPH WPC Jr. P/C Woodpecker Dripper Blk/Grn | 21520-001740 |

WPCJ Pressure Compensating No-Leak Drippers

| Item | Description | Vendor |
|---------|---|--------------|
| 5010011 | Woodpecker Junior .32 GPH P/C Dripper Barb Outlet Brown | 21520-000930 |
| 5010007 | Woodpecker Junior .5 GPH P/C Dripper Barb Outlet Red | 21520-001040 |
| 5013234 | Woodpecker Junior .79 GPH P/C Dripper Barb Outlet Red | 21520-001230 |
| 63235 | Woodpecker Junior 1 GPH P/C Dripper Barb Outlet Grey | 21520-001460 |
| WPCJL8 | Woodpecker Junior 2 GPH P/C Dripper Barb Outlet Green | 21520-001640 |
| 5010008 | Woodpecker Junior 3.2 GPH P/C Dripper Barb Outlet Plum/Black | 21520-001690 |
| 5010009 | Woodpecker Junior 6.6 GPH P/C Dripper Barb Outlet Orange/Grey | 21630-001530 |
| 632301 | Woodpecker Junior 1 GPH P/C Dripper W/Nipple (for 4-ways) Grey | 21520-001540 |
| 5010013 | Woodpecker Junior 2 GPH P/C Dripper W/Nipple (for 4-ways) Green | 21520-001740 |

35 PSI Regulator Required for Proper Operation (see page 299 & 304)



1.0 & 2.0 GPH
WPC Jr.
Compensating
Dripper -
nipple



WPCJ .5 GPH
Compensating
Dripper - nipple

Spaghetti Tubing

| Item | Description | Vendor |
|-----------|---|--------------|
| 44-800380 | 24" Pre-Cut 5/3 Tubing (white) 100/Bundle | 40005-000251 |
| 44-800391 | 36" Pre-Cut 5/3 Tubing (white) 100/Bundle | 40005-000253 |
| 5010046 | 3000' roll (black) 5/3 Flex Tubing | 40001-002000 |
| 5010047 | 1000' roll (white) 5/3 Flex Tubing | 40005-000100 |

To be used with all dripper assemblies



Fittings For Spaghetti Tubing .125 - .197mm

| Item | Description | Vendor |
|---------|---|--------------|
| 5011030 | Dual Goof Plugs For 3 - 7mm Holes | 32000-001010 |
| 5011036 | Insert Connector Nipple Barb x Thread #2 For - .125 - .197mm Tubing | 32500-001125 |
| 5011035 | Insert Connecto Nipple Barb x Barb #1 For - .125 - .197mm Tubing | 32000-001935 |
| 5016110 | 3 mm Flex Tube Adapter (for nipple outlet drippers) | 32000-002030 |
| 5014230 | 5mm Elbow Barb x Pressfit | 32000-002525 |
| 5013076 | Vari-Flow Valve Barb x Barb | 42155 |



Dual Goof Plug
3mm & 7mm Holes



Nipple Barb x
Thread



Nipple Barb x Barb



3mm Flex Tube
Adapter



Vari-Flow Valve Barb x Barb
42155
Item: 5013076



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Polyethylene Tubing (LDPE)

16mm Polyethylene (.520" x .620") Tubing

| Item | Roll Size | Description | Vendor |
|---------|-----------|-------------------------|--------------|
| 5010031 | 100' | 16mm .520 - .620 Tubing | 19951-000093 |
| 5010032 | 500' | 16mm .520 - .620 Tubing | 19951-000061 |
| 5010030 | 1000' | 16mm .520 - .620 Tubing | 19951-000013 |

Other Sizes of LLDPE Tubing Available

| Item | Roll Size | Description | Vendor |
|---------|-----------|-------------------------|--------------|
| 5010035 | 100' | 20mm .820 - .940 Tubing | 19951-000025 |
| 5010036 | 500' | 20mm .820 - .940 Tubing | 19951-000060 |
| 5010040 | 100' | 25mm 1.06 - 1.20 Tubing | 19951-000063 |
| 5010041 | 500' | 25mm 1.06 - 1.20 Tubing | 19951-000022 |

IMPORTANT NOTE: Linear low density polyethylene tubing should always be used with Netafim Systems.

20mm Tubing accepts std ¾" P/E fittings on page 296

25mm Tubing accepts std 1" P/E fittings on page 296



Prepunched UV White™ PE Tubing (.520" x .620")

Fully UV resistant and completely opaque to prevent algae growth. This tubing is not coated or layered white, it is solid white for long-term durability. Netafim's UV White™ PE Tubing produces cooler water temperatures and enhances plant growth.

| Item | Roll Size | Description | Vendor |
|---------|-----------|---|--------------|
| 5013012 | 500' | 16mm Prepunched 12" o/c with 0.125" holes | 19953-000053 |
| 5013018 | 500' | 16mm Prepunched 18" o/c with 0.125" holes | 19953-000039 |
| 5013024 | 500' | 16mm Prepunched 24" o/c with 0.125" holes | 19953-000038 |

White Blank Tubing

| | | | |
|----------|------|--------------------------------------|--------------|
| 65402 | 100' | 16mm UV White Blank tube .520 - .620 | 19953-000117 |
| 5011032 | 500' | 16mm UV White Blank tube .520 - .620 | 19953-000118 |
| 5010033 | 500' | 17mm UV White Blank tube .560-.660 | 19953-000121 |
| 65401 | 100' | 20mm UV White Blank tube .820 - .940 | 19953-000133 |
| 653811 | 500' | 20mm UV White Blank tube .820 - .940 | 19953-000134 |
| 1061201W | 100' | 25mm UV White Blank tube 1.06-1.20 | 19953-000110 |
| 1061205W | 500' | 25mm UV White Blank tube 1.06-1.20 | 19953-000111 |



Easy to Use Spin-Loc Irrigation Fittings - For .520/.620 Tube



PSI 1/2" Easy-Loc™ Coupling
for .520 ID #31-HC500
Item: 06D31HC500



Compression w/FHT Cap for
16mm tubing .520 ID
Item: 30-2545



PSI 16mm Power-Loc™ x Barb
Adapter .400 barb ID #PL-50-400B
Item: 44-800618



PSI 1/2" Power-Loc™ Tee
for .520 ID #31-HT555
Item: 06D31HT555



PSI 1/2" Power-Loc™ 90° Elbow
for .520 ID #PL-50-PELL
Item: 06D31HE55



PSI 16mm Easy-Loc™ x .400 Barb
With Ball Valve ID #31-HV5B400
Item: 06D31HV5B400

Looking for a utility player?

Heavy Wall Drip
Perfect for multiple applications.

UNIRAM Heavy Wall Dripline
24" spacing, 0.54" 16Mil
.4 GPH, 1000' roll
Vendor: 13711-000003

Item: 30-2030

Easy to Use Spin-Loc Irrigation Fittings for .820/.940 Tube



Compression w/FHT Cap for 20
mm tubing .820 ID
Item: 102-225



PSI 3/4" Easy-Loc™ Tee for .820 ID
#31-HT888
Item: 06D31HT888



PSI 3/4" Easy-Loc™ Elbow
for .820 ID #31-HE88
Item: 06D31HE88

Irrigation Fittings - For In-Line Dripline & .520-.620 Tubing



Compression x 3/4" Compression
Swivel Tee w/ Screen
(3/4" x FH x Comp x Comp)
Item: 30-2530



Compression w/ Threaded
Cap (Comp x 3/4" End Cap)
Item: 30-2545



3/4" Female Hose
Compression x Swivel
Adapter (3/4" FH x Comp)
Item: 30-2525



Series .600 Compression x
3/4" MPT
Item: 30-2570



Figure 8 Line End
for 16mm Tubing (.520-.620)
Item: 5011001



Barbed Shut Off
for P.E. 16mm Tubing (.520" ID)
Item: 5013078



Insert Male Adapter
1/2" MPT x 16mm Barb
Item: 5011010



16mm Insert Tee
Item: 5011007

Figure 8 Line End
for 20mm Tubing (.820-.940)
Item: 5011020

Barbed Shut Off
for P.E. 20mm Tubing (.820" ID)
Item: 5013079

Insert Male Adapter
3/4" MPT x 16mm Barb
Item: 5011015

Figure 8 Line End
for 25mm Tubing (1.06-1.20")
Item: 5011025

Barbed Shut Off
for P.E. 25mm Tubing (1.06" ID)
Item: 5013080



16mm Insert Coupling
Item: 5011003



16mm Insert Elbow
Item: 5011005

NOTE: For more detailed design information, please call your sales representative or our office.

Oval Tube Product Advantages

- Rugged field tested product for demanding applications.
- Flat coil design reduces delivery, handling and storage costs.
- Cost effective alternative to rigid PVC.
- Provides secure leak-proof connection to dripperlines with standard industry connectors.



Scan the QR code for more Oval Tube Information.

| Item | Description | Vendor |
|--------------|--|--------------|
| N43001000029 | Netafim 1-1/2" X 350' Oval Tube 42PS1 ST (OT1.50-42-350) | 19953-000177 |
| N43001000039 | Netafim 2" X 450' Oval Tube 21PS1 ST (OT2.00-21-450) | 19953-000178 |

FlexNet™

Leak proof flexible submain and manifold piping solution. Integral welded connectors ensure leak proof connections to lateral lines.



Scan the QR code for FlexNet tech sheet.



| Item | Description | Vendor |
|---------------|--|--------------|
| 5010042 | Netafim 2" Flexnet Pipe 60" Spacing 328' | 43003-005542 |
| 5010043 | Netafim 2" Flexnet Pipe 72" Spacing 328' | 43003-005642 |
| 5011006 | Netafim 1/2"MPT Elbow X. 636twd Flexnet 100/bg | 32500-011381 |
| NPFM20042250G | Netafim 2" Flexnet Blank Manifold 36PSI 250' | |

Polyethylene Insert Fittings



| | Tee | Elbow | Coupling |
|-----------|----------|-------------------|-------------------|
| | (INSERT) | (INSERT x INSERT) | (INSERT x INSERT) |
| Pipe Size | 1/2" | 31-2025 | 31-2030 |
| | 3/4" | 31-2125 | 31-2130 |
| | 1" | 31-2225 | 31-2230 |
| | 1 1/2" | 131-2087 | 131-2083 |
| | 2" | 131-2123 | 131-2086 |



| | Male Adapter | Female Adapter | Plug |
|-----------|----------------|-----------------|----------|
| | (MPT x INSERT) | (FIPT x INSERT) | (INSERT) |
| Pipe Size | 1/2" | 31-2040 | 31-2045 |
| | 3/4" | 31-2140 | 31-2145 |
| | 1" | 31-2240 | 31-2245 |
| | 1 1/2" | 131-2056 | -- |
| | 2" | 131-2115 | -- |



| | Cross | Combo Tee | Combo Tee | Threaded Coupling |
|-----------|----------|--------------------|--------------------|-------------------|
| | (INSERT) | (INS x INS x FIPT) | (INS x INS x MIPT) | (FIPT x FIPT) |
| Pipe Size | 3/4" | 31-2155 | 31-2161 | 31-2160 |
| | 1" | -- | -- | 31-2260 |



| Reducing Male Adapter | Reducing Tee | Elbow Fitting |
|--|--|--|
| 31-2075 - 1/2" INSERT x 3/4" MIPT 31-2175 - 3/4" INSERT x 1" MIPT | 1" INS x 1" INS x 3/4" FIPT 31-2261 | 3/4"Ins X 3/4" FIPT Poly Elbow 31-2166 |

3/4" & 1" insert fittings to be used for 20mm & 25mm low density tubing listed on page 296.

Special Fittings

| Threaded Reducer Bushing | N-1 Pipe-to-Hose Transition Nipple | N-3 Pipe-to-Pipe Transition Nipple | Gilmour Brass Swivel Connector | 1" X 2" NIPPLE |
|--------------------------------|------------------------------------|------------------------------------|--------------------------------|----------------|
| 1" MIPT x 3/4" FIPT 31-4690 | 3/4" MIPT x 3/4" MHT 30-2580 | 3/4" MIPT x 3/4" MIPT 30-2581 | 3/4"FIPT X 3/4"FIPT 33-6240 | 131-2028 |



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Or email your inquiry to irrigationdept@griffinmail.com

Irrigation Tools and Accessories



Plastic Pipe & Hose Cutter

- PTFE coated hardened steel blade for fast, clean, straight cuts without burrs or sawdust
- Cuts up to 1½" polyethylene and up to 1¼" class PVC Pipe

| Item | Description |
|---------|------------------------|
| 31-3025 | T135 KwikCut Cutter |
| 31-3030 | T135 Replacement Blade |



Pinch-N-Seal Clamps

100% Stainless steel welded Keystone clamps are quick and easy to install, and provide a uniform, tamper proof seal. For use on both soft hose and rigid plastic pipe at connection points.

| Item# | Description |
|---------|--|
| 33-6705 | Keystone Pinch Clamp for ¾" Pipe |
| 33-6711 | Keystone Pinch Clamp for 1" Pipe |
| 33-6700 | Crimp Tool for all Pinch-N-Seal Clamps |

Worm Drive Clamps

With screwdriver slot



| Item | Size | Fits |
|---------|------|------------------|
| 33-6825 | ¾" | ½" thru ¾" Pipe |
| 33-6827 | 1¼" | ¾" thru 1¼" Pipe |



Nylon Cable Ties

- 11" non-releasable nylon cable ties
- UV treated
- Use with drip irrigation

Item: 30-2825 Qty: 100



¾ Teflon Tape

Item: 131-2012



Pressure Gauge

Item: 31-3026



FPT PVC Ball Valves

| Item | Size |
|--------------|------|
| 06D32401006T | ½" |
| 06D32401007T | ¾" |
| 06D32401010T | 1" |
| 06D32401012T | 1¼" |
| 131-2133 | 1½" |
| 06D32401020T | 2" |



Manifolds

| Item | Description |
|----------|---|
| 33-57961 | Spears 2 Port Manifold 1" swivel x MIPT |
| 33-57962 | Spears 3 Port Manifold 1" swivel x MIPT |
| 33-57963 | Spears 4 Port Manifold 1" swivel x MIPT |
| 33-57964 | Spears Manifold cap 1" FIPT w/ O-ring |

Punching Tools



| Item | Description | Vendor |
|---------|--|--------|
| 5013100 | 3mm T-Handle Hole Punch For All Netafim Drippers | HPT125 |



| Item | Description | Vendor |
|----------|--------------------------------|----------|
| 30-12910 | Jain 3.0 mm punch .128 tube WT | 12071033 |



| Item | Description | Vendor |
|---------|-----------------------------|----------|
| 5013105 | PSI 4/7MM Pistol Punch Tool | 11897785 |



Wobbler Sprinklers & Sprays

Wobbler Technology has an off-center rotary action that provides extremely uniform coverage over a large diameter at low pressures.



Mini-Wobbler™

- Designed specifically for upright installation
- Operation pressures: 20 PSI
- Multi-level throw, approximately 10°
- Standard inlet: ½" NPT male



i-Mini-Wobbler™

- Designed specifically for overhead inverted installation
- Operation pressures: 20 PSI
- Multi-level throw, approximately 0°
- Standard inlet: ½" NPT male



Xcel Wobbler™

Constructed entirely of engineering grade thermoplastics for excellent corrosion resistance

- High angle, approximately 29°
- Mid angle, approximately 18°
- Flow rate: 0.78 to 6.97 GPM
- Standard inlet: ½" or ¾" M NPT

| Item | Sprinkler Base Pressure | Flow | Dia. @ 1.5 ft. H |
|---------|---------------------------|-----------------|------------------|
| 33-5380 | Mini - #4 Nozzle Lt Blue | 0.50 GPM@20 PSI | 28.0 |
| 06SMW5 | Mini - #5 Nozzle Beige | 0.75 GPM@20 PSI | 33.5 |
| 06SMW6 | Mini - #6 Nozzle Gold | 1.10 GPM@20 PSI | 36.0 |
| 33-5381 | Mini - #7 Nozzle Lime | 1.51 GPM@20 PSI | 37.5 |
| 06SMW8 | Mini - #8 Nozzle Lavender | 1.95 GPM@20 PSI | 38.5 |

| Item | Sprinkler Base Pressure | Flow | Dia. @ 6 ft. H |
|---------|---------------------------------------|----------------|----------------|
| 06SIMW5 | iMini - #5 Nozzle Beige - Inverted | 0.75 GPM@20PSI | 32.0 |
| 06SIMW6 | iMini - #6 Nozzle Gold - Inverted | 1.10 GPM@20PSI | 34.0 |
| 33-5400 | iMini - #8 Nozzle Lavender - Inverted | 1.95 GPM@20PSI | 35.5 |

| Item | Sprinkler Base Pressure | Flow | Dia. |
|-----------|-----------------------------|-----------------|------|
| 33-5495 | Xcel - #9 Nozzle Gray | 1.80 GPM@20PSI | 44.0 |
| 33-037501 | Xcel - #10 Nozzle Turquoise | 3.14 GPM@20 PSI | 42.5 |

Irrigating Mini-Wobbler

Recommended spacings based on maximum uniformities



Determine Spacing Square Spacing

Head Spacing: 20 ft
Row Spacing: 20 ft
Offset from sides: 5 ft
Offset from ends: 5 ft



Determine Spacing Single Row Spacing

Head Spacing: 10 ft
Offset from sides: 7.5 ft
Offset from ends: 5 ft

T-Spray™

T-Spray At 30 PSI
Outlet Pressure



- Flow: 0.98 to 2.85 gpm
- Outlet Pressure: 15 to 40 psi
- Uniformities up to 97% CU
- Recommended Spacing: 15 ft

| Item | T-Spray | Flow | Dia. @ 1.5 ft. H |
|---------|--------------------------------------|----------|------------------|
| 33-5390 | Standard Angle #6 T-Spray (gold) | 1.40 gpm | 19.0 ft |
| 33-5394 | Standard Angle #8 T-Spray (lavender) | 2.45 gpm | 21.0 ft |

Standard angle model can be installed upright or inverted.

Senninger Pressure Regulators

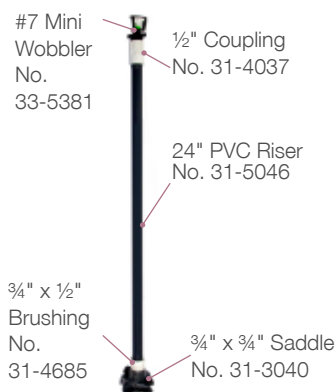
- Maintains a constant preset outlet pressure while handling varying inlet pressures
- Maximum flow path resists plugging
- 100% water-tested for accuracy
- Can be installed above or below ground
- Very low hysteresis and friction losses

| Item | Preset (PSI) | Flow Range (GPM) | Inlet/Outlet Size |
|-------------|--------------|------------------|-------------------|
| 30-2210 | 10 | 0.5-5 GPM | 3/4" FIPT |
| 06PRL12LF | 12 | 0.5-8 GPM | 3/4" FIPT |
| 06PMR12MF | 12 | 2-20 GPM | 3/4" FIPT |
| 06PMR12MF1 | 12 | 2-20 GPM | 1" FIPT |
| 30-2225 | 20 | 0.5-8 GPM | 3/4" FIPT |
| 06APPMR20MF | 20 | 2-20 GPM | 3/4" FIPT |
| 06SPMR20MF | 20 | 2-20 GPM | 1" FIPT |
| 30-2230 | 35 | 0.5-8 GPM | 3/4" FIPT |
| 30-2202 | 35 | 2-20 GPM | 3/4" FIPT |
| 30-2200 | 35 | 2-20 GPM | 1" FIPT |



PVC Riser

with Senninger sprinkler and saddle for poly pipe



PVC Risers

- Schedule 80
- MPT x MPT
- 1/2" Diameter



| Item# | Description |
|---------|-------------|
| 31-5046 | 1/2" x 24" |
| 31-5048 | 1/2" x 36" |
| 31-5050 | 1/2" x 48" |

Nelson S10 Spinner Sprinkler

Improves uniformity and saves water. The S10 Spinner from Nelson features a fine spray - ideal for small plants & propagation. **These items are direct ship.**

| Item | Description |
|---------|---------------------------------|
| 506-131 | Nelson S10 Orange Nozzle #11 |
| 506-132 | Nelson S10 Purple Nozzle #12 |
| 506-133 | Nelson S10 Yellow Nozzle #13 |
| 506-136 | Nelson S10 Red Nozzle #16 |
| 506-137 | Nelson S10 Turquoise Nozzle #17 |
| 506-138 | Nelson S10 Gold Nozzle #18 |
| 506-139 | Nelson S10 Brown Nozzle #20 |



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SUPERIOR

The Buckner Impact Sprinkler Collection

Ideal for budget projects including lawn and garden irrigation, nurseries, greenhouses, and temporary installations.

Operating Ranges:

- Pressure: 25 to 60 PSI
- Flow: 3.54 to 5.44 GPM
- Spacing: 35 to 48 feet

Specifications:

- 1/2" male inlet, NPT
- Drive nozzle 5/32" – #10 nozzle
- Trajectory: 25°
- Rotation: 20° to 340° or Full Circle

Buckner 65P10 Plastic



Buckner 90DZ10 PC Zinc



Buckner 90SD10



| Item | Description | Vendor |
|----------|--|--------|
| 06B65P10 | Plastic 1/2" Full/Part circle, heavy duty plastic impact sprinkler, 5/32" nozzle | 65P10 |
| 33-3323 | PC Zinc 1/2" Full/part circle powder coated zinc impact sprinkler, 5/32" nozzle 90DZ10 | 90DZ10 |
| 33-5435 | Brass 1/2" Full/Part circle, Brass impact sprinkler, 5/32" nozzle | 90SD10 |

SPV Solenoid Valves

Solenoid Valve with self-cleaning scrubbing rod and filter system provides optimal protection against particles entering the diaphragm chamber.

Features:

- EPDM diaphragms & red brass flow control and stem assembly
- 24v solenoid coil that can be rotated and removed without removing solenoid operator
- Flow capability as low as 0.25 GPM.

| Item | Description | Vendor |
|---------|-----------------------------------|--------|
| 33-3317 | 1" in-line plastic valve | SPV100 |
| 33-3318 | 1-1/2" in-line plastic valve | SPV150 |
| 33-3319 | 2" in-line plastic valve | SPV200 |
| 33-3320 | 24VAC solenoid assembly | 16200 |
| 33-3321 | Encapsulated DC Latching Solenoid | 16335 |
| 33-3322 | 110VAC solenoid assembly | 16275 |





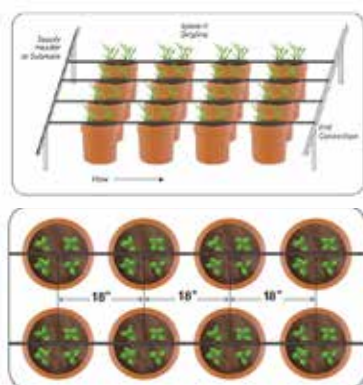
Space-It™ Dripline

A labor-saving drip system for watering potted plants. Space-It is thinwall dripline with pre-spaced drippers designed to be placed directly over the top of pots with the location of each dripper visibly marked on the tubing. Positioning of pots (plants) is quick and easy- just place the pot under the mark on the dripline - saving up to 20% in installation labor costs.

With flexible dripper spacings, Space-It allows you to choose the spacing that matches your pot spacing to fit your needs.

Specifications:

- Wall thickness: 8 mm
- Inside diameter: .636"
- Nominal flow rates: .24 GPH and .36 GPH @ 10 PSI
- Common spacings: 12", 18" and 24"
- Other special spacing available by special order
- Recommended filtration: 120 mesh



Netafim's Flexible Dripper Spacing

Choose the dripper spacing according to your needs and maximize your growing area.

| Item | Description | Vendor |
|----------|---|--------------|
| 5018318 | Space-It 18" spacing, 0.636" 8Mil, .4 GPH, 3000' roll | 16424-000067 |
| 5018324 | Space-It 24" spacing, 0.636" 8Mil, .4 GPH, 3000' roll | 16424-000062 |
| 50183129 | Space-It 12" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000063 |
| 5018414 | Space-It 14" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000056 |
| 50183169 | Space-It 16" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000057 |
| 50183189 | Space-It 18" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000058 |
| 50183249 | Space-It 24" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000060 |



Space-It™ Dripline



Scan the QR code for Streamline X tech sheet.

Streamline™ X Thinwall Dripline

| Item | Description | Vendor |
|---------|--|--------------|
| 5018612 | Streamline 12" spacing, 0.636" 8Mil, .24 GPH, 9000' roll | 16424-000002 |
| 5018618 | Streamline 18" spacing, 0.636" 8Mil, .24 GPH, 9000' roll | 16424-000006 |
| 5018418 | Streamline 18" spacing, 0.636" 8Mil, .36 GPH, 9000' roll | 16424-000005 |
| 5018424 | Streamline 24" spacing, 0.636" 8Mil, .36 GPH, 9000' roll | 16424-000008 |
| 5018418 | Streamline 18" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000005 |
| 5018424 | Streamline 24" spacing, 0.636" 8Mil, .4 GPH, 9000' roll | 16424-000008 |

Other spacing available in both Space-It and Streamline contact Griffin Irrigation Department to discuss available options.

18mm Uniram Heavy Wall Drip Line

Speak to an Irrigation Specialist for current availability.



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Or email your inquiry to irrigationdept@griffinmail.com

Drip Tape Components

For Netafim 630 Series



PSI 1/2" Tape-Loc® x .400 Series Barb #31-T5B400
Item: 44-800608



Jain Tape-Loc® x .420 Barb with Locking Nut & Large Handle Valve
Item: 102-380



TapeLoc x .400 Barb W/ Shut off Valve #101008189
Item: 102-383



PSI 7MM Hole Punch Tool for .400 Series Barb #31-AP070
Item: 5013115



Grommet For 400 Series Barb #400-GRO #12290031
Item: 651385



API Tape-Loc® x .250 Series Barb #250B-06-LS
Item: 102-400



PSI 1/4" Tape-Loc® x MPT Adapter #12030017
Item: 102-339



Netafim Twist Lock 5/8" x 3/4" MPT VPN: 32520-000071
Item: 44-800625



Jain Tape-Loc® Coupling PS 1/2" #12030022
Item: 651381



Netafim Ring-Loc Couplers please add model# T630RLC-B
Item: 44-800610



Netafim .630 line end w/blue ring #32500-016490
Item: 44-800617



Senninger 12 PSI 1/4" Low Flow Reg. #PRL-12LF .1-8 GPM
Item: 06PRL12LF



Senninger 12 PSI 1/4" FPT Medium Flow Reg. #PMR-12MF 2 -20 GPM
Item: 06PMR12MF



Senninger 12 PSI 1" FPT Medium Flow Reg. #PMR-12MF 2 -20 GPM
Item: 06PMR12MF1



Netafim 1 1/2" 12 PSI Pressure Regulator 11-35 GPM
Item: 5012048



Irritec P1 Thinwall Dripline Short Reels

Manageable sized rolls - perfect for small jobs. Irritec's P1 short reels feature a premium light wall dripline used for both potted plants and row crop irrigation.

| Item | Description |
|---------|--|
| 33-3038 | Irritec Drip Tape P1 5/8 8MIL .25 GPH 8" w/Flap 1,000' |
| 33-3040 | Irritec Drip Tape P1 5/8 8MIL .25GPH 12" w/Flap 1,000' |



Unique Subirrigation System

- Saves time and labor
- Accelerates plant growth
- Reduces evaporation and runoff
- Uses less water and fertilizer

Contact your Griffin Sales Person for a custom quote. Special order, shipped direct from factory. FOB Factory.

How It Works | The AQUAMAT patented system

Aquamat is the result of 10 years of laboratory research, field tests and ongoing optimization. Its patented assembly consists of internal drip tapes plus four layers of high performance textiles. Each layer plays a specific role and together, they form the most efficient irrigation system currently available.

Aquamat allows even distribution of water from pot to pot, prevents surface evaporation and requires considerably less water than conventional overhead irrigation systems. As a result, you get faster and uniform plant growth. Better yet, it is highly affordable and easy to install.



Evaporation Block Layer

Layer 2 | Special fluffy textile sheet, which prevents surface evaporation while drawing water into the pot through capillary uptake.

Root & Algae Resistant Cover

Layer 1 | Protects the bottom ones from contamination, roots, UV rays and wear.

Super Absorbent Felt

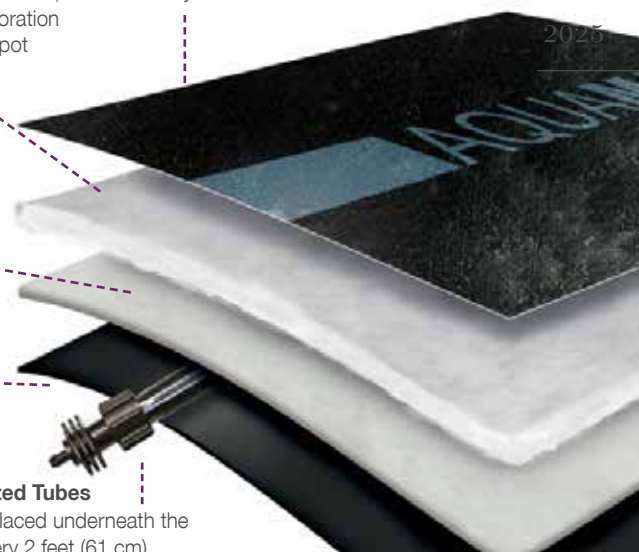
Layer 3 | Spreads, evenly and constantly, water throughout the entire area. It can absorb 2.1 gal./sq.yd.

Total Containment Barrier

Layer 4 | Polyethylene sheet to prevent any run-off.

Micro-Perforated Tubes

Drip tapes are placed underneath the third layer at every 2 feet (61 cm).



Bench Matting

Bench Matting and Bench Matting Plus capillary mats can reduce up to twenty-fold the time needed for manual watering. Thanks to its water absorption and dispersion properties, Bench Matting irrigates plants consistently over the entire growing surface. This translates into substantial savings in time, water and fertilizers, and thus results in higher productivity for your horticultural operations.

| Item | Description |
|----------|-------------|
| 78-52831 | 3' x 328' |
| 78-5284 | 4' x 100' |
| 78-5285 | 5' x 100' |
| 78-5286 | 6' x 100' |



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2-Way Solenoid Valves

Netafim valves provide superior hydraulic performance for greenhouse or nursery systems. These valves are available in several sizes and flow ranges. Netafim valves are manufactured with the highest quality materials for dependable operation day after day.

Electric Throttling 2-Way Valves (24VAC)

These valves are ideal for ultra high flow or low flow capacity irrigation systems. A built-in 2-way solenoid offers ease of operation and reliability. Standard with a flow control (throttling) handle, large internal water passages for clog resistance and no moving parts in the flow path. The valves can be installed vertically or horizontally and require no maintenance.

| Item | Description | Vendor |
|----------------------------|--|--------------|
| 24 Volt AC | | |
| 61ET75GH2 | 3/4" Solenoid Valve, PLT 80 Series, 24V, 26 GPM | 71640-007355 |
| 5014247 | 1" Solenoid Valve, PBI Throttling, 24V, 50 GPM | 71610-014015 |
| 5014248 | 1.5" Solenoid Valve, PBI Throttling, 24V, 90 GPM | 71610-014040 |
| 5014249 | 2" Solenoid Valve, PBI Throttling, 24V, 175 GPM | 71610-014507 |
| 218-1817 | Netafim Solenoid Replacement Coil | 71640-007139 |
| 12 Volt DC Latching | | |
| 61ET75GH2L | 3/4" DC Latching Solenoid Valve, PLT 80 Series, 12V DC, 26 GPM | 71640-007356 |
| 44-4147 | 1" DC Latching Solenoid Valve, PLT 80 Series, 12V DC, 50 GPM | 71610-013967 |
| 44-4148 | 1.5" DC Latching Solenoid Valve, PLT 80 Series, 12V DC, 90 GPM | 71610-014061 |



3/4" Pressure Regulator



3/4" Medium Flow



1 1/2" Pressure Regulator

Netafim Pressure Regulators

Pressure regulators are devices that reduce the pressure of the watering system to a specific PSI in order to optimize the performance of the sprinklers or drippers in use. Pressures for typical applications are listed.

- Drip tape: 9-12 PSI
- Pressure compensated drippers: 35 PSI
- Non pressure compensated drippers: 20 PSI
- Micro sprinklers: 35 PSI

| Item | Description | Vendor |
|---------|--|--------------|
| 5012048 | 12 PSI, 1-1/2" Medium Flow Pressure Regulator (11-35 GPM) | 30520-001100 |
| 5012012 | 15 PSI, 3/4" Low Flow Pressure Regulator (.25 -4.4 GPM) | 31000-001000 |
| 5012023 | 20 PSI, 3/4" Low Flow Pressure Regulator (.25-4.4 GPM) | 31000-001120 |
| 5012020 | 20 PSI, 3/4" Medium Flow Pressure Regulator (5.5-17 GPM) | 30500-001300 |
| 5012025 | 35 PSI, 3/4" Low Flow Pressure Regulator (.25 -4.4 GPM) | 31000-001200 |
| 5012035 | 35 PSI, 3/4" Medium Flow Pressure Regulator (4.5 - 17.6 GPM) | 30500-001600 |
| 5012056 | 35 PSI, 1-1/2" Medium Flow Pressure Regulator (11-35 GPM) | 30520-001600 |
| 5012050 | 65 PSI, 3/4" Medium Flow Pressure Regulator (4.5-17.6 GPM) | 30500-002000 |

Disc Filters

Filters - 120 Mesh

| Item | Description | Vendor |
|---------|--|--------------|
| 5012120 | 3/4" Disc Filter 130 Micron, 120 Mesh, Red (1-12 GPM) | 70640-001200 |
| 5012130 | 1" Disc Filter 130 Micron, 120 Mesh, Red (5-26 GPM) | 70640-001600 |
| 5012145 | 1½" Super Filter 130 Micron, 120 Mesh, Red (10-52 GPM) | 70641-003420 |
| 5012146 | 2" Dual Lite, 130 Micron, 120 Mesh, Red (40-110 GPM) | 00135-000205 |

Replacement Elements Only

| Item | Description | Vendor |
|---------|---|--------------|
| 5012220 | Replacement 3/4" Red 120 Mesh Spine & Discs Only | 70620-002420 |
| 5012230 | Replacement 1" Red 120 Mesh Spine & Disc Only | 70620-002530 |
| 5012245 | Replacement 1 1/2" Super Red 120 Mesh Spine & Disc Only | 70620-002620 |

Filters - 140 Mesh

| Item | Description | Vendor |
|-------|---|--------------|
| 66110 | 3/4" Disc Filter 115 Micron, 140 Mesh, Black (1-12 GPM) | 70640-001300 |

Filters - 200 Mesh

| Item | Description | Vendor |
|---------|--|--------------|
| 5012132 | 1" Disc Filter 55 micron, 200 Mesh, Green (5-26 GPM) | 70641-001210 |
| 5012147 | 1 1/2" Super Filter 55 Micron, 200 Mesh, Green (10-52 GPM) | 70641-003310 |

Replacement Elements Only

| Item | Description | Vendor |
|---------|---|--------------|
| 5012232 | Replacement 1" Green 200 Mesh Spine & Discs Only | 70620-002550 |
| 5012247 | Replacement 1½" Super Green 200 Mesh Spine & Discs Only | 70620-002645 |

Automated Filtration Systems are Available

Netafim Screenfilters

| Item | Description | Vendor |
|--|---|---------------|
| Filters - 200 Mesh Screen Filters | | |
| 30-2145 | Amiad 3/4" Filter **200 Mesh** (80 Micron) With Flush Valve | 010000-000082 |
| Replacement Screens | | |
| 30-2612 | Replacement ¾" Amiad 200 Mesh Stainless Steel Screen | 700101-000298 |

Netafim ScreenGuard Vertical Filter

Automatic screen filters provide perfect protection for irrigation systems thanks to extra-large filtration area. Screenguard™ also incorporates the most effective self-cleaning mechanism, saving labor, water, and energy. **Drop Ship Only**

| Item | Description | Vendor |
|---------|---|--------------|
| 5012160 | 2" threaded 120 Mesh ScreenGuard Vertical Automatic Screen Filter (110 GPM) | 71960-000103 |
| 5012161 | 3" threaded 120 Mesh ScreenGuard Vertical Automatic Screen Filter (220 GPM) | 71960-000173 |
| 5012162 | 3" flanged 120 Mesh ScreenGuard Vertical Automatic Screen Filter (220 GPM) | 71960-000176 |
| 5012163 | 4" flanged 120 Mesh ScreenGuard Vertical Automatic Screen Filter (330 GPM) | 71960-000223 |



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¾"



1"



1½" Super



2"



Scan the QR code for Screen Guard tech sheet.

Irrigation Controllers

DRAMM

Dramm BlueTooth ii ri Smart Controller with Coil

The ii ri Smart Controller is a battery operated, Bluetooth Connected, irrigation/misting controller that can operate one solenoid valve without wiring. Create different programs on your smartphone.



| Item | Description | Vendor |
|---------|---|------------|
| 44-5609 | II RI Smart Controller with Coil | iiri3v |
| 44-5610 | ii ri Smart Controller with 3/4" Solenoid | iiriSVB075 |
| 44-5611 | ii ri Smart Controller with 1" Solenoid | iiriSVB100 |



Link4 CORPORATION

Sapphire Controller

Commercial irrigation controller that is ideal for applications requiring misting, flood, drip or standard irrigation. Integrated with the Cloud to monitor or change settings along with the new Grower Journal. 8 independent outlets with irrigation, mist, pulse or drip control for each output.

Item: 32-3001



RAIN BIRD

ESP4ME3 - Indoor/Outdoor 120V Irrigation Controller

- 4 station base capability, expandable up to 22 stations using 3- or 6-station expansion modules (sold separately)
- Comes with power plug and outdoor cabinet for indoor or outdoor installation
- WiFi Connectivity -- compatible with the new Rain Bird LNK WiFi module (sold separately).
- 4 individual programs with 6 independent start times per program

| Item | Description |
|---------|---|
| 32-8617 | 4 Sta Base Wifi Controller In/Out ESP4ME3 |
| 32-8619 | Link Wifi Module |

MICRO-GROW CONTROL SYSTEMS INC.



Time-based irrigation and misting control system. Twelve individual stations may be individually set for operation times, watering days, and repeat functions. The propagation mist adjustments include separate start and stop times, as well as on and off times for complete mist cycle operations.

| Item | Description |
|---------|--|
| 24-5051 | Micro Grow Controller |
| 24-5028 | Micro Grow 50 VA Transformer with wall plug |
| 24-5029 | Micro Grow 100 VA Transformer in an enclosure with wall plug |



Sterling Controller

| Item | Description | Vendor |
|-----------|--------------------------------|-------------|
| STERLING4 | 4 Station Sterling Controller | Sterling-4 |
| 33-3311 | 8 Station Sterling Controller | Sterling-8 |
| 33-3312 | 12 Station Sterling Controller | Sterling-12 |
| 33-3313 | 18 Station Sterling Controller | Sterling-18 |
| 33-3314 | 24 Station Sterling Controller | Sterling-24 |
| 33-3315 | 30 Station Sterling Controller | Sterling-30 |
| 33-3316 | 36 Station Sterling Controller | Sterling-36 |

Phytotronics, Inc.

Electronic Leaf™



- Very efficient way to mist cuttings
- Works on the principle of evaporation and weight of mist on the metal screen controls solenoid operation
- 24 volt output, 40 VA, 120 volt in
- 24 volt plug-in transformer with 10' of cord included
- 20' of 18/2 wire for solenoid valve connection also included
- Housing made with durable stainless steel
- Solid state internal components with no hazardous materials
- Green LED light indicates power is provided to the electric leaf
- Blue LED light indicates power is supplied to the solenoid valve

Item: 33-1400

Phytotronics, Inc.



Trident Single Zone Controller Model T3A

With a 24-hour clock and up to 8 programmable events, the Trident allows almost endless ON and OFF options. If you want loads of features at a low cost, this is the controller for you.

- Sturdy non-metallic enclosure, UV protected, resists moisture and chemicals
- Toggle switch to select ON/OFF time mode, second/minute, minute/minute, and minute/hour
- 2-to 60-second or minute ON time, and 2- to 180-minute or hour OFF time
- Extra bright LEDs show ON/OFF times when programing and when controller is in use
- 24 hour digital clock, with 8 programmable events to turn controller off
- Includes 24 VAC plug-in Transformer and 20' cord

Item: 32-1020

Mini Mist 2 zone controller also available



Nova 1626ET - 6 Zone Controller

- Sturdy non-metallic enclosure, UV protected, resists moisture & chemicals
- Seconds on, minutes off settings
- 1x, 2x, 3x time extender toggle switch
- One connection for the common wire
- 24 hour digital clock, with 9 programmable events to turn controller off
- Includes 24VAC plug-in transformer

Item: 32-1026

12B Super Nova 12 zone controller also available



Griffin Irrigation Department

Save Water • Save Labor • Grow More

Call 1.800.888.0054 and ask for an Irrigation Specialist.
Or email your inquiry to irrigationdept@griffinmail.com



Why Use an Injection System?

- Improve Water Quality
- Sanitize
- Fertilize

JA160D Pre-assembled Injection System

Anderson's JA160D ships pre-configured for common horticultural applications like dosing fertilizer, acid and sanitizers. All package units ship complete in a crate and arrive ready to install.

JA160D Technical Specifications

| | |
|-------------------------------------|---|
| Water flow range | 1.9 to 160 Gallons per minute |
| Solutions Injected | 3 |
| Solution 1 Injection Range | 1:200 (.5%) to 1:2000 (.05%) |
| Solution 2 Injection Range | 1:1600 (.0626%) to 1:16000 (.00626%) |
| Solution 3 Injection Range | 1:5320 (.0188%) to 1:53200 (.00188%) |
| Pressure Range | 30 to 100 psi |
| Temperature Range | 33° to 140° F |
| Inlet and Outlet Connections | 2" PVC Unthreaded Socket |
| Power Requirements | 120VAC @ 2AMP |
| Dimensions | Width: 64.5in. Height: 52 in. Depth: 27 in. |
| Weight | 350 Lbs. |



J+ Advanced Controller

J+ Advanced Ratio: Feeder® injectors control the manifold and pumps to maintain the proper chemical ratio over a wide flow range. Up to 8 chemicals can be injected simultaneously at different rates.



Ratio:Guard® Advanced EC & pH Monitor (A)

H.E. Anderson's Ratio: Guard monitor uses inline probes to measure the EC and pH of the water by using industrial grade sensors. The monitor can display EC, pH and temperature simultaneously. Sensors are sold separately.



The DB Series Ratio:Feeder® (B)

The DB Series offers a cost effective way to inject almost any liquid into a water line at an adjustable ratio. Perfect for retail hold or single bay production scenarios.

Features & Benefits

- Positive displacement and volume proportioning
- No sliding seals
- Adjustable feed rate without recalibration
- Fine filter not required
- ¼ to 20 GPM water flow capacity
- Very accurate feed, does not degrade with age
- Virtually no maintenance needed
- Easy installation and operation
- May be powered by 120 VAC, 12 VDC battery or solar power system
- Optional water flow totalizer available
- Maximum Operating Pressure: 125psi - Minimum Operating Pressure: 30psi

Anderson DB Wall-Mount Series chemical injectors come complete with mounting plate, blend tank, and are pre-plumbed for easy installation.

| Item | Model | Description |
|-------------------------------|---------|--|
| 20 GPM, 1" Connections | | |
| 33-1034 | DB100W | 1 Pumper, 1:100 Ratio System |
| 33-1035 | DB1000W | 1 Pumper, 1:1000 Ratio System (Acid) |
| 33-1036 | DB1200W | 1 Pumper, 1:1200 Ratio Hypochlorinator |
| Accessories | | |
| 33-1040 | 20710 | DB Plastic Blending Tank (1.9 gal) |
| 33-1038 | 19076 | Totalizer Add-On |



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11 GPM Injector

14 GPM Injector

20 GPM Injector

40 GPM Injector

100 GPM Injector

Ideal for fertilizers, fungicides, acids and more.

Features

- Water-powered, non-electric
- Consistent fertilizer injection
- Proportional: compensates for changes in water flow and pressure

Benefits

- Simple installation
- Easy maintenance
- Over 35 years of product reliability

Accurately Injects

- Fertilizers
- Organics
- Beneficials
- Herbicides
- PGRs for Drenching
- Chlorine
- Insecticides
- Fungicides
- Acids
- Sanitizers

D40MZ series: Precision water-powered chemical injectors that are direct replacements for the D8RE series.

Features: Metal-free piston, 63% less parts, simpler and easier to maintain.

| Item | Description / Model | Flow Range | Pressure | Ratios | Unit Size | Pipe Size |
|---------|------------------------|--------------|----------------|---------------|--------------------|-------------------|
| 33-2414 | D25F1 | .05 - 11 GPM | 4.3 - 85 PSI | 1:100 Fixed | 14" x 6 1/4" | 3/4" NPT Thread |
| 33-2415 | D14MZ2 | .05 - 14 GPM | 4.3 - 85 PSI | 1:500 to 1:50 | 19 1/8" x 6 5/16" | 3/4" NPT Thread |
| 33-2420 | D45RE15 | 0.4 - 20 GPM | 7 - 70 PSI | 1:500 to 1:66 | 24" x 7 1/2" | 1" NPT Thread |
| 33-2430 | D40MZ2 (Injector Only) | 2.2 - 40 GPM | 4.3 to 116 PSI | 1:500 to 1:50 | 25 1/4" x 8 1/2" | 1 1/2" NPT Thread |
| 33-2432 | D40MZ2 (with Bypass) | 2.2 - 40 GPM | 4.3 to 116 PSI | 1:500 to 1:50 | 25 1/4" x 8 1/2" | 1 1/2" NPT Thread |
| 33-2525 | D20S | 5 - 100 GPM | 2 - 120 PSI | 1:500 to 1:50 | 55" x 15" (w/legs) | 2" NPT Thread |

Mega-Flo Acid Dosing System

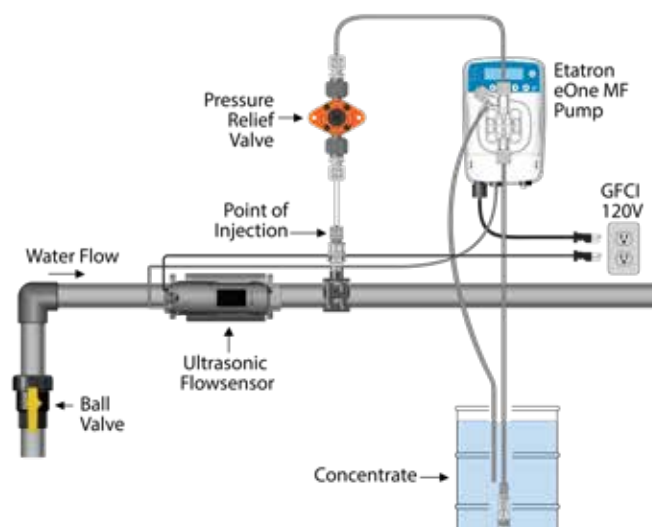
For Higher Flow Systems With A Max Of 100 - 400 Gpm

The Hi-Flo Acid-Doser Kit gives you the capability to inject:

- Water Treatment products
- Plant Health Additives
- Acids
- Bases

The system proportionally injects directly into the water line using an Ultrasonic Flow Meter.

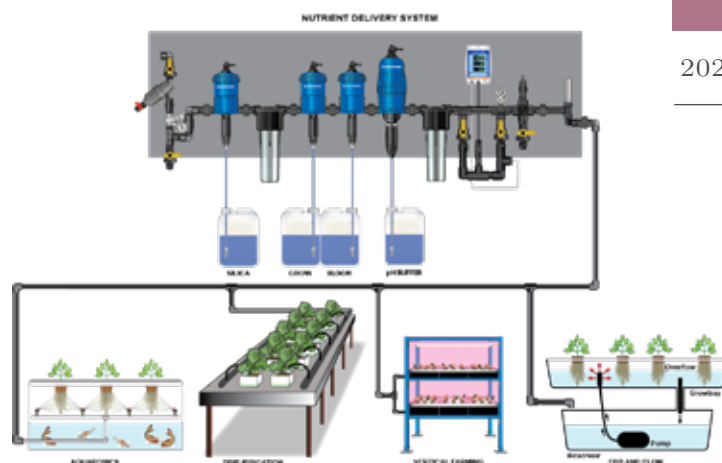
| Item | Description | Pipe Size | Flow |
|----------|-------------------|-----------|---------|
| 218-1823 | MDE0710MF2KITUS | 2" | 100 GPM |
| 218-1824 | MDE1012MF2.5KITUS | 2.5" | 150 GPM |
| 218-1825 | MDE2007MF3KITUS | 3" | 200 GPM |
| 218-1826 | MDE3005MF4KITUS | 4" | 400 GPM |



Nutrient Delivery Systems

The Nutrient Delivery System is a simplistic system made up of four main panel sections which can be arranged to accommodate a wide variety of fertigation programs. With total control in mind, customizing the entire panel is easy based on your personal nutrient program! The Nutrient Delivery System thrives anywhere, from greenhouse environments to outdoors, allowing it to be installed in any application. By automating the nutrient delivery process it accurately dispenses the desired solution. This makes the time-draining practice of "measure and pour" a thing of the past, saving you time and money!

Contact your Griffin Sales Representative for more information.



Li'l Bud-D

Perfect for Spot Treatments

- Polyethylene construction
- 10" no flat tires for maximum mobility
- Versatile 5-gallon capability
- Narrow base - fits easily through aisles
- Designed for maximum stability
- Dimensions: 44½"h x 19"w (wheel to wheel) x 22"d
- Includes: cart, 5-gallon bucket and lid

Dosatron unit & Quick Hook-Up kit sold separately.

Li'l Bud-D
Item: 33-2624

Quick Hook-Up Kit
Item: 33-2623



Eco-Cart

Portable Fertilization System

- 5-gallon bucket
- Quick-and-easy on-demand dispensing
- Fits 11 and 14 GPM Dosatron fertilizer injectors
- Dimensions: 40"h x 13½"w x 15"d
- Includes cart, 5-gallon bucket with lid, Dosatron D14M22 - 14 GPM and plumbing

*** Filter and check valve not included**

Item: 33-2634





Dosatron Mini Maintenance Kits

Do it yourself yearly maintenance kits.
Keep your Dosatrons injecting accurately!

Kit Contents:

(1) J009:
Plunger seal



(1) PDI739:
Top Guide



(1) PDI729:
Check Valve
Cone



(1) MDI358: Check
Valve Spring



(1) JDI105:
Check Valve
Cone O-ring



(1) DOSA-LUBE:
Silicone



Use Dosa-Lube on
specified parts only.

D25F1 - 11 GPM

Item: 219-006

D14MZ2 - 14 GPM

Item 219-000

D45RE15 - 20 GPM

Item: 219-001

D8RE2 / D40MZ2 - 40 GPM

Item: 219-005

D20S - 100 GPM

Item: 219-004

200 Mesh Filters to Protect Your Dosatron Injector



14 GPM



20 GPM



40 GPM

| Item | Description |
|---------|--|
| 218-731 | ¾" 200 Mesh T Filter (AKF5AP11T) for 14 GPM Injector |
| 218-733 | 1" 200 Mesh Filter (AKF5AP20T) for 20 GPM Injector |
| 218-737 | 1½" 200 Mesh Filter (AKF5AP40-A) for 40 GPM Injector |

200 Mesh Filters Hook-Up Kits to Protect Your Dosatron Injector



¾"



1"

| Item | Description |
|---------|---|
| 218-730 | ¾" Y Filter Hook-Up Kit (AKF5AP11KIT-A) |
| 218-735 | 1" Y Filter Hook-Up Kit (AKF5AP20KIT-A) |

EC and pH Meters

Easy to use, high-quality meters at an affordable price. Testing and monitoring digital meters that easily measure conductivity, pH, TDS, and temperature of water.

HM Digital EC Meter

HM Digital pH Meter



Pro Model
Part #: COM-100



Pro Model
Part #: PH-200

| Item | Description |
|---------|-------------------------------------|
| 33-2705 | Pro Model EC/TDS/Temp Meter COM-100 |
| 33-2715 | Pro Model pH/Temp Meter PH-200 |

Ask for a copy of "How to Calibrate Your Meters", a quick calibration sheet that eliminates using the manual to calibrate your meters.

Calibration and Storage Solutions

EC and PH solutions work with both ECO and PRO Models.

Individual liquid calibration packets, ready-to-use box of 20. Part #: CP-1000

Individual liquid calibration packets, ready-to-use box of 20. Part #: PH-P7

Storage Solution. Must be used to keep pH meter's bulb moist. Part #: PH-STORE

| Item | Description |
|---------|---|
| 33-2736 | Calibration Packets #CP-1000 - Box of 20 - 1000 ppm |
| 33-2740 | Storage Solution #PH-STORE - pH Electrode |
| 33-2746 | Calibration Packets #PH-P7 - Box of 20 - pH Buffer Solution |



Irrigation Automation Systems



Automation by Design: Configurable Logic Controllers

Designed for monitoring and remote control of multi-bank valves, fans, etc.

- Allows users to remotely start/stop their systems via phone, laptop or computer
- Saves time and money by alleviating dedicated personnel overseeing manual valve control
- Improve crop yield with consistent irrigation scheduling
- An economical way to oversee your irrigation network from anywhere at any time
- On demand or scheduled irrigation control. Gang zones with similar watering times
- Cascade scheduled start time to maintain pump efficiency
- Package includes: 20W solar panel or 24v AC power source, 1 or 2 RCB's
- Available as AC or DC operation. No 110V AC Power? No problem
- Scalable

Hand Held Soil Meter

A portable and inexpensive way to monitor moisture levels in your fields or greenhouses

- Easy to use, no maintenance sensors
- Produces accurate and repeatable soil moisture measurements
- For use in all types of soil – loam, potting, sand, etc.
- Bury sensors for soil cross section and root zone analysis
- Prevent over or under watering
- Perfect for Garden Centers etc.

Item: 83-4091



Griffin Irrigation Department

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Or email your inquiry to irrigationdept@griffinmail.com

Tanks & Pumps

Fertilizer Tanks

| Item | Description |
|---------|---|
| 41-2575 | 55 gal Polyethylene Storage Tank w/ cover |
| 41-2578 | Tank Fitting w/ Viton Gasket |



Submersible Pump

Fast and easy way to keep your fertilizer or chemicals in solution.

| Item | Description |
|---------|-------------------|
| 33-4525 | 2PO16 submersible |

Custom sized tanks and pumps available.
Contact your Griffin sales rep or an irrigation specialist to get started.

Esy Box Mini3 Booster Pump

Esy Box Mini takes advantage of the most advanced DAB technologies, to ensure a consistent pressure based on actual demands, and optimizes energy consumption.

Technical Specifications

- P1 Max - 1 hp (850 W)
- H Max - 79 psi
- Q Max - 22 gpm
- Max Suction - 26 ft
- *Dimensions - 17.5" x 10.5" x 9.5"

Contact a Irrigation Specialist for Pricing.



**Bracket For Wall Installation
Available Separately



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Or email your inquiry to irrigationdept@griffinmail.com

Proven Horticulture Benefits

Moleaer nanobubbles efficiently enhance water in multiple stages of the growth cycle. Nanobubble enriched water has been proven to improve water quality, soil, root, and plant health while lowering treatment and oxygen costs. Many growers have also experienced increased in yield.



Interested? Ask your Griffin rep or Griffin construction rep for more information. Call 1.800.888.0054 and ask for an Irrigation Specialist.

Nanobubble generators sized to your needs:

Kingfisher

Perfect for small irrigation reservoirs and ponds for reduced of algae.

Clear

Sized for larger irrigation reservoirs and ponds. Great for algae reduction.

Lotus

Irrigation water treatment for small-scale production. Prevents disease and improves plant health.

XTB

Inline treatment of high-flow irrigation systems. Improves infiltration and soil and plant health.

Neo

For irrigation water and production water storage tanks. Reduce disease and biofilm and improve plant health and yields.



Kingfisher

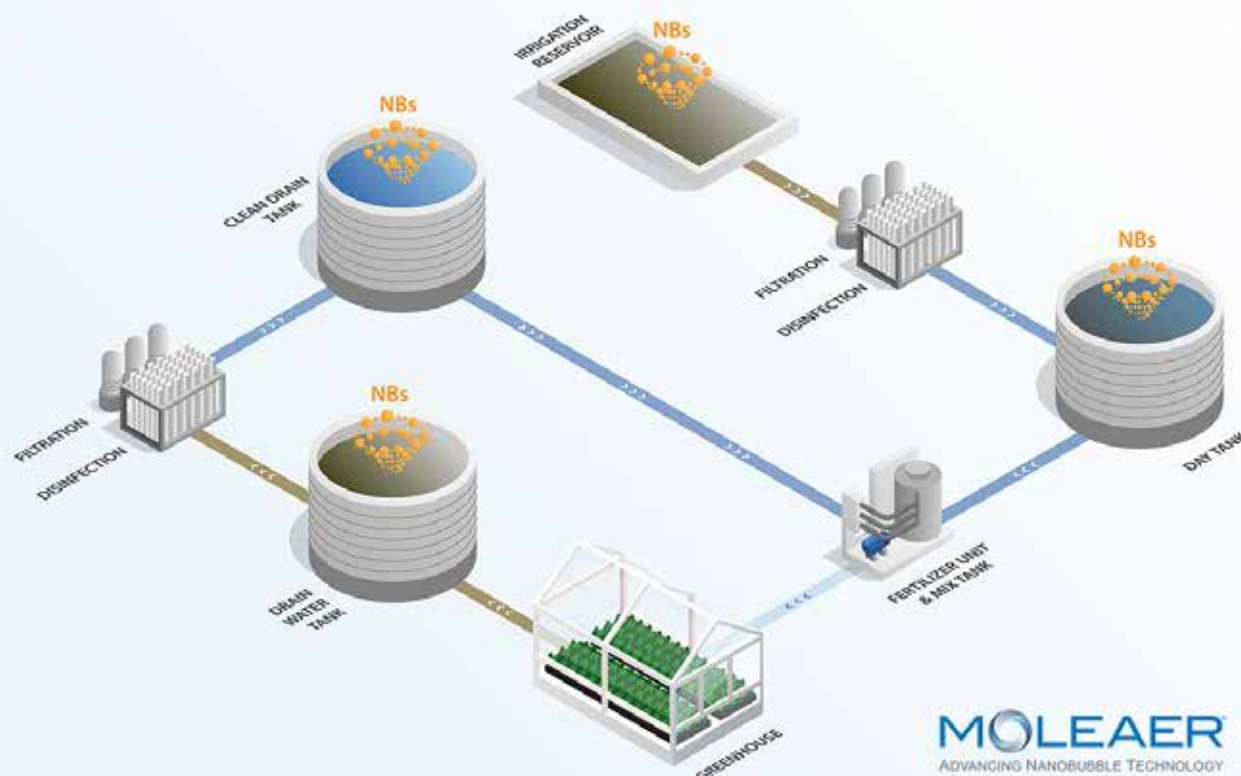


Neo



XTB

Irrigation Water Cycle in Greenhouses





Maximize your greenhouse. Increase available production space by eliminating unnecessary aisles. Get more out of less, lower your labor costs, and regulate your crops with Cherry Creek's proven, reliable, high-quality watering boom for greenhouses.

Automated booms offer flexibility and versatility allowing you to irrigate, mist or spray. Boom mounted controllers and fertigation are also available.

Echo® Hanging Basket System

The Original... and Still the Best

The ECHO® enables growers to accurately water or fertilize each basket. It brings the plants to you for easy setting, inspection and harvesting. Single, double and triple layers are available for ultimate flexibility.



Griffin Irrigation Department

Save Water • Save Labor • Grow More

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Or email your inquiry to irrigationdept@griffinmail.com

CROP PROTECTION



GGSPRO

TECHNICAL REFERENCE GUIDE - 5th Edition



The GGSPRO Reference Guide is packed full of color pictures, detailed product information as well as easy to use charts and tables. These charts provide Mode of Action, Active Ingredient, REI, Application Rates and Measurement Conversion Tables.

The 5th edition of the Reference Guide includes:

- New! Lighting chapter- overview of supplemental and photoperiodic plant lighting strategies
- New! Scouting chapter- detailed information on how to identify and track insects, mites and diseases
- The latest GGSPRO product recommendations with updated rates and other important information are included throughout the guide.
- Updated chapters with the information you need for effective biological control, use of plant growth regulators, optimizing your crop nutrition and general problem solving strategies.

The GGSPRO Reference Guide has heavy-duty water-resistant pages allowing growers to keep it where it is needed the most. Use it inside the greenhouse or outside in the field. It is a great resource for all employees from IPM scouts to those responsible for fertilizer and pest control decisions.

Item: 98-405 - Reference Guide, 190 pages

Item: 98-408 - Reference Guide - Spanish Version

Visit www.griffins.com/ggspro for more information.

GGSPRO POCKET GUIDES



The Pocket Guides were created as an extension of the GGSPRO Technical Guide. They provide information and images of abiotic plant disorders, nutritional disorders and insect problems. The Pocket Guide titled Insects, assists growers to identify insect and mites pests. The Pocket Guides are full of sharp images and the back of each page contains valuable information. They serve as a reference tool for IPM scouts, growers and educators. Identifying problems quickly and accurately is the first step towards the remedy.

Abiotic: Not all plant symptoms are caused by pests and diseases. Abiotic factors include physiological disorders, phytotoxicities and other non-living causes. Identifying these types of disorders can help to optimize the growing environment and improve plant quality.

Nutrition: Nutritional problems often leave many clues. Soil and tissue testing are great tools, but in between tests the identification of nutritional disorders based on the symptoms, and the location on the plant where they occur allows for early detection and correction.

Insects: The Insect Pocket Guide is a valuable tool for growers to use in scouting their crops and educating less experienced workers on insect and mite identification. The greenhouse environment favors the rapid development of insect and mite pests, making early and accurate identification an important tool in controlling these pests.

Diseases: A grower's reference tool for IPM scouts, growers, educators, and sales representatives in our industry. The earlier you recognize signs and symptoms of foliar plant diseases, the less plant damage and loss will incur. This pocket guide provides a resource for growers to take into the field, recognize the symptoms or signs of foliar pathogens, and put into context the diagnosis and correction. As noted in this guide along with helpful photos and disease descriptions, monitoring crops regularly for environmental conditions such as leaf wetness and humidity can also provide helpful clues to when to take preventative actions for preventing pathogen development.

Root & Crown Diseases: Unlock the Secrets of Root Pathogens with Ease! Are you a grower looking to take your plant care skills to the next level? Look no further! Our Root and Crown Disease Flip Book is your essential pocket guide to understanding and identifying the root pathogens that every grower needs to know. Dive into the world of root pathogens with detailed descriptions and clear visuals. Learn to recognize the telltale signs of root diseases, empowering you to take proactive measures to protect your plants. Stunning photographs accompany each description, making identification a breeze.

Item: 98-406

Item: 98-407

Item: 98-409

Item: 98-412

Description: Abiotic Nutrition, 70 pages

Description: Insects, 68 pages

Description: Diseases, 68 pages

Description: Root/Crown Diseases, 62 pages

GGSPRO VIDEOS

GGSPRO has created a large database of short educational videos to address a wide variety of issues growers face, promote innovative technologies, and discuss ways you can enhance your cultivation practices. These free videos can be accessed online through the Griffin website.

www.griffins.com/custom-site/ggspro-videos

IMPORTANT CHEMICAL USAGE INFORMATION

Labels & Registration

Pesticide information in this catalog is believed to be correct but it is the responsibility of the applicator to read and follow all label directions. Labels do change without notice, including state registrations and restricted use status. Final responsibility for compliance rests with the applicator.

Storage

Your storage areas should be clean, well-ventilated and maintained at temperatures between 45° - 90°F. The floor should be covered with a non-absorbent material. All pesticides should be stored in their original containers. Pesticides have shelf lives and should be marked with the date of purchase. Unsafe pesticide storage can lead to serious accidents. Be sure the storage area can be locked and is clearly marked with appropriate pesticide storage signage.

Griffin's Pesticide Permit Policy

Chemicals that have been designated by law as restricted use pesticides require Griffin to only sell to growers that have a current/valid Pesticide Applicators Permit. We are required to record your license to use these products and report that information on demand. No restricted products can or will be allowed out of our warehouse until that copy is on file.

Chemical Shipping

- No chemicals will be left without a customer's signature.** If there isn't anybody there at time of delivery, the chemical materials will NOT be delivered.
- Transportation during extremely cold weather is not possible for many of our liquid chemicals.
- There are certain chemicals that cannot be shipped via commercial carrier, (or there is an upcharge for handling) due to hazardous chemical shipping laws. Please plan ahead for our truck delivery.
- MSDS/SDS - Material Safety Data Sheets for all the different pesticides we carry may often be obtained directly from the manufacturer's website or from our Customer Service Dept.

Restricted-Entry Interval (REI)

All EPA registered pesticides have a REI assigned to them. This is expressed in either hours or days and is included in the descriptions of all pesticides in the Griffin catalog except those labeled for retail purposes. Growers must abide by all re-entry restrictions and personal protection equipment (PPE) requirements as listed on the label for the duration of the REI.

Mode of Action Groups (MOA's)

The mechanism by which a pesticide controls a pest is known as its mode of action. In order to rotate pesticides to reduce the chance of resistance it is necessary to use pesticides that utilize different modes of action. Descriptions of insecticides, fungicides and herbicides in the Griffin catalog include the industry accepted mode of action group. Griffin's GGSPro technical team is available to help create responsible pesticide rotation programs.

LOOK FOR THIS SYMBOL FOR: EDIBLE CROP FRIENDLY CHEMICALS

Pesticides with this icon have at least some edible crops on the label. Consult the label for an exact list.



LOOK FOR THIS SYMBOL FOR: TOTAL RELEASE

Chemicals with this icon are aerosol cans.



Nationwide Poison Control Center
800-222-1222

CHEMICAL CONVERSION TABLE

Equivalent quantities of liquid materials (Emulsifiable concentrates, etc.) for various quantities of water based on volume per 100 gal

American Fluid Measure

80 drops = 1 teaspoon (tsp)
3 teaspoons = 1 tablespoon (Tbbs)
2 tablespoons = 1 fluid ounce (fl oz)
8 fluid ounces = 1 cup
2 cups = 1 pint (pt)
2 pints = 1 quart (qt)
4 quarts = 1 gallon (gal)

American Dry Measure

3 tsp = 1 Tbs
16 Tbs = 1 cup
28 gm = 1 oz
454 gm = 1 lb

| Water | Liquid Chemicals, Smaller Volume Conversions | | | | | |
|---------|--|----------|---------|----------|------------|------------|
| 100 gal | 2 Tbs | 4 oz | 8 fl oz | 16 fl oz | 1 qt | 2 qt |
| 25 gal | 1 Tbs | 1 oz | 2 fl oz | 4 fl oz | 8 fl oz | 1 pt |
| 5 gal | 0.6 tsp | 1.25 tsp | 2.5 tsp | 5 tsp | 1.66 fl oz | 3.33 fl oz |
| 1 gal | 0.12 tsp | 0.25 tsp | 0.5 tsp | 1 tsp | 2 tsp | 4 tsp |

Understanding the GGSPro Bee Safety Codes



Responsible applicators consider bee safety when making their product choices. GGSPro is well versed in managing chemical use for minimizing impacts to biological control agents (BCAs) and now extends this knowledge to bees that can come in contact with pesticides both in greenhouses and outdoors. Our Bee Safety Codes will help you quickly determine which pesticide choices are most appropriate for your specific situation. From there, the GGSPro team can further help you narrow the options and develop strategies that will help you control your pests while minimizing risks to area bee populations.

The GGSPro Bee Safety Codes summarize existing EPA bee caution label content into a simple icon system in which a color and a number provide information on both toxicity and exposure routes. Please note that some application methods (ex. granular) and some product classes (ex. fungicides, surfactants) are not currently subject to bee hazard evaluation by the EPA. Therefore, the lack of a Bee Safety Code should not be considered an indication of complete lack of risk. The GGSPro team is available to discuss your specific concerns. Bee Safety Codes indicate the need to plan pesticide applications carefully to minimize the risk to bees. Products toxic to bees might still be part of a pest control program if the proper precautions are taken. It's all about wise and effective use of pesticides, and GGSPro is here to help you, every step of the way.

All Bee Safety information presented by Griffin Greenhouse Supplies is intended to serve as a reference for growers. It does not replace the need to read and follow the directions on entire pesticide labels or supersede any applicable law, rule, regulation or standard. While every effort has been made to ensure its accuracy, human error is possible and labels do change without notice. Pesticides other than those listed may be safe, legal and effective.

EXPOSURE KEY

1 Toxicity risk through direct exposure only:

avoid treatment when bees are actively visiting or actively foraging in the treatment area. Actively visiting the treatment area refers to bees you see on the plants and pertains to products that do not show residual effect. Bees are protected when bees are absent during treatment.



Highly Toxic
EPA describes as very highly toxic, highly toxic or very toxic to bees

2 Toxicity risk through residual exposure only:

avoid treatment when bees are visiting the treatment area. Visiting the treatment area refers to bees that may visit the plants after treatment. Bees are protected when bees are absent from the area following treatment. Avoid use of these products when crops and/or weeds are in bloom.



Toxic
EPA describes as toxic to bees

3 Toxicity risk through both direct exposure and residual exposure:

avoid treatment when bees are visiting the treatment area. Visiting the treatment area refers to bees that may visit the plants after treatment. Bees are protected when bees are absent from the treatment area both during and following treatment. Avoid use of these products when crops and/or weeds are in bloom.



Low Toxicity
EPA describes as a potential pathogen or with low toxicity to bees



Special case
Special use notes per label; contact GGSPro for more information.

THE NEW EPA BEE ADVISORY BOX
On EPA's new and strengthened pesticide label to protect pollinators

PROTECTION OF POLLINATORS

APPLICATION RESTRICTIONS MUST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators.
Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, or soil as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://www.epa.gov/pesticide-stewardship/protecting-bees>

Pesticide incidents (for example, bee kills) should immediately be reported to the state/local lead agency. For contact information for your state/tribe, go to: www.epa.gov. Pesticide accidents can also be reported to the National Pesticide Information Center at: www.nat-pest-info.org or directly to EPA at: bee@epa.gov

Alerts users to separate restrictions on the label. These prohibit certain pesticide use when bees are present.

The new bee icon helps signal the pesticide's potential hazard to bees.

Makes clear that pesticide products can kill bees and pollinators.

Bees are often present and foraging when plants and trees flower. EPA's new label makes it clear that pesticides cannot be applied until all petals have fallen.

Warns users that direct contact and ingestion could harm pollinators. EPA is working with beekeepers, growers, pesticide companies, and others to advance pesticide management practices.

Highlights the importance of avoiding drift. Sometimes, wind can cause pesticides to drift to new areas and can cause bee kills.

The science says that there are many causes for a decline in pollinator health, including pesticide exposure. EPA's new label will help protect pollinators.

EPA

Read EPA's new and strengthened label requirements: <http://go.usa.gov/jHH4>

FUNGICIDES

Actinovate SP

MOA
BM02 | REI
1**Active Ingredient:** *Streptomyces lydicus* WYEC 108

Bacteria based fungicide. As a soil drench it protects plants from diseases such as: *Pythium*, *Phytophthora*, *Rhizoctonia*, and *Fusarium*. As a foliar spray it suppresses diseases such as *Alternaria*, *Botrytis* and powdery mildew. Labeled for ornamental crops in greenhouses, interiorscapes, outdoor nurseries and turf. **Foliar spray rates:** 1/2-1 tsp per gal or 6-12 oz per 100 gal. **Drench rate:** 4-6 oz per 100 gal. **OMRI listed.**

Item: 71-1117 **Size:** 18 oz.

Adorn

MOA
43 | REI
12**Active Ingredient:** Fluopicolide

Foliar spray or drench to control downy mildew (spray only), *Pythium* and *Phytophthora* on ornamentals in greenhouses and nurseries. **Foliar spray rates:** 1/8-1/4 tsp per gal or 2-4 fl oz per 100 gal. **Drench rates:** 1/8-1/2 tsp per 2 gal or 1-4 fl oz per 100 gal. The label requires that another fungicide labeled for the same disease be tank mixed with Adorn for all applications. *Do not apply to poinsettias.* May damage open blooms. **Restricted use pesticide in NY.**

Item: 71-1130 **Size:** 1 qt.

Affirm WDG

MOA
19 | REI
4**Active Ingredient:** Polyoxin D zinc salt

Broad-spectrum fungicide for use on ornamentals and many edible crops in greenhouses, nurseries, interiorscapes and other labeled sites. Foliar spray controls *Alternaria*, *Botrytis*, *Colletotrichum*, powdery mildew and others. Drench treatments control *Rhizoctonia* and *Thielaviopsis*. Chemigation instructions have been added to the label. **Foliar spray and drench rates:** 1/2-1 tsp per gal or 4-8 oz per 100 gal.

Item: 71-1131 **Size:** 2.4 lb.

Agri-Mycin 50

MOA
25 | REI
12**Active Ingredient:** Streptomycin Sulfate

Bactericide used preventively against bacterial leaf spots, blights and wilts. Labeled for ornamental and certain edible crops. **Foliar spray rates:** 1-2 tsp per gal or 2.66-5.33 oz per 100 gal.

Item: 71-1133 **Size:** 3 lb.

Aliette WDG

MOA
P07 | REI
12**Active Ingredient:** Aluminum Tris (Fosetyl-Al)

Fungicide used as a soil drench and a foliar spray. Controls *Pythium*, *Phytophthora*, and downy mildew. Can be used on certain ornamentals in greenhouses, nurseries, and landscapes.

Foliar spray rates: 1 1/4-5 tsp per gal or 1 1/4-5 lb per 100 gal.**Drench rates:** 6.4-12.8 oz per 100 gal. Do not apply within 14 days of a copper application.**Item:** 71-11352 **Size:** 5 lb.

Areca

MOA
P07 | REI
12**Active Ingredient:** Aluminum tris

Water dispersible granular (WDG) formulation fungicide that can be used as a foliar spray or drench. Controls: *Pythium*, *Phytophthora* and downy mildew on ornamentals in greenhouses, nurseries and landscapes. **Foliar spray rates:** 1.25-5 tsp per gal or 1.25-5 lb per 100 gal. **Drench rates:** 6.4-12.8 lb per 100 gal. Do not apply within 14 days of a copper application. **Restricted use pesticide in NY.**

Item: 71-1180 **Size:** 5 lb.

Astun

MOA
7 | REI
12**Active Ingredient:** Isofetamid

Astun is a SC (Soluble Concentrate) fungicide for the control of *Botrytis* on ornamentals in commercial greenhouses and nurseries. Systemic action provides curative and preventative control when applied as a foliar spray. **Rates:** 2/3-1 tsp per gal or 10-17 fl oz per 100 gal. **Restricted use pesticide in NY.**

Item: 71-1190 **Size:** 1 qt.

GGSPRO TIP

AVELYO

Avelyo is a MOA 3 fungicide that offers broad-spectrum control of fungal diseases like leaf spots and powdery mildew, with excellent plant safety. It provides strong preventive protection, extended residual activity, and rainfastness for consistent performance. Avelyo is also an effective rotation partner for resistance management within the heavily relied on MOA 3 group. It is labeled for use in nurseries, greenhouses, forest tree plantations, cut flowers, interiorscapes and more.



Avelyo



MOA 3 | REI 12

Active Ingredient: Mefentrifluconazole

Avelyo is a SC (soluble concentrate) translaminar systemic fungicide for use in greenhouse, shadehouses, lathhouses, container and field grown ornamentals and interiorscapes. Foliar sprays control diseases including *Alternaria*, *Colletotrichum*, *Cercospora*, *Phyllosticta*, *Septoria*, *Phomopsis*, powdery mildew, rust, and others. Drench treatments control *Cylindrocladium* and *Thielaviopsis*. No Chemigation. **Foliar spray rates:** ¼-½ tsp per gal or 5-8 fl oz per 100 gal (8-10 fl oz for rust). **Drench rates:** ⅓ tsp per gal or 3 fl oz per 100 gal. **Not registered in ME.**

Restricted use pesticide in NY.**Item:** 71-1195 **Size:** 60 fl oz.

Badge SC



MOA M01 | REI 24-48

Active Ingredient: Copper Oxychloride & Copper Hydroxide

Dual copper-based active ingredients used to control a wide variety of bacterial and fungal pathogens. Approved for use on ornamentals, fruiting crops, vegetables, and herbs. Foliar applications on plants grown in greenhouses, shadehouses, outdoor nurseries, landscapes, and field production settings. Rates vary widely by crop, check the label for rates. For greenhouse grown ornamentals: **Foliar spray rates:** 1.5-2 tsp per gal or 24-32 fl oz per 100 gal. Restricted Entry Interval is 24 hours for greenhouse uses and 48 hours for all field applications.

Item: 71-1205 **Size:** 2.5 gal.

Banner Maxx II



MOA 3 | REI 12

Active Ingredient: Propiconazole

Broad-spectrum, translaminar systemic for use on ornamentals in outdoor landscapes and nursery plantings. Not for use in greenhouses. Ornamental diseases controlled include: *Alternaria*, anthracnose, black spot, *Cercospora*, *Entomosporium*, powdery mildew, *Rhizoctonia*, rust, scab and *Septoria*. **Foliar spray rates:** ⅓-1½ tsp per gal or 2-24 fl oz per 100 gal.

Item: 71-2972 **Size:** 1 gal.**Item:** 71-29712 **Size:** 10 gal.

Banrot 40 WP



MOA 1+14 | REI 12

Active Ingredient: Thiophanate-methyl & Etridiazole

Broad spectrum fungicide for control of damping off, root and stem diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium* and *Thielaviopsis* in ornamental and nursery crops. **Drench rates:** Bedding plants ½-1 tsp per gal or 4-8 oz per 100 gal apply to 800 sq ft. Container and bed grown ¾-1½ tsp per gal or 6-12 oz per 100 gal apply to 400 sq ft. Irrigate immediately with additional water equal to at least half the volume of fungicide drench. **Restricted use pesticide in CT & NY.**

Item: 71-1210 **Size:** 2 lb.

Banrot 8 G



MOA 1+14 | REI 12

Active Ingredient: Thiophanate-methyl & Etridiazole

Control of damping off, root and stem rot diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium* and *Thielaviopsis* in ornamental and nursery crops. Labeled for use in greenhouse and nursery. **Rate:** Bedding Plants 8 oz per cu yd. Container and bed grown plants 16 oz per cu yd. Not for top-dress applications. **Restricted use pesticide in NY.**

Item: 71-1215 **Size:** 40 lb.

BotryStop WP



MOA NC | REI 4

Active Ingredient: *Ulocladium oudemansii* (U3 Strain)

BotryStop is a wettable powder formulation biofungicide that controls Botrytis, Sclerotinia spp., and Xanthomonas spp. by out competing pathogens for living space without harming living tissue. Foliar sprays can be applied on ornamentals in greenhouses, nurseries and many edible crops including certain vegetables, berries and tree fruits in field, high tunnel or greenhouse sites. Excellent plant safety but leaves some visible residue. **Foliar spray rates:** 3 Tbls per gal or 3 lb per 100 gal. Requires constant agitation during application. Check Bioworks website for fungicide compatibility information. **OMRI listed.**

Item: 71-12601 **Size:** 12 lb.**Item:** 71-12603 **Size:** 30 lb.

Broadform



MOA 7+11 | REI 12

Active Ingredient: Fluopyram & Trifloxystrobin

Broad spectrum soluble concentrate (SC) fungicide for use on ornamentals in greenhouses, interiorscapes, landscapes, field and container nurseries. It can also be applied to field grown grapes (except Concord), certain tree fruits and nut trees. Foliar sprays control: *Alternaria*, anthracnose, black spot, *Botrytis*, rust, *Septoria*, scab, *Myrothecium*, aerial *Phytophthora*, powdery mildew, *Rhizoctonia* and others. **Foliar spray rates:** 1/4-1/2 tsp per gal or 4-8 fl oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY. Broadform has a SLN 24(c) permit for Beech Leaf Disease, L.I. NY.**

Item: 71-12901 **Size:** 12 fl oz.

Camelot O



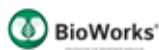
MOA M01 | REI 4

Active Ingredient: Copper Octanoate

Copper based fungicide/bactericide. Controls anthracnose, *Alternaria*, *Cylindrocladium*, powdery mildew, certain bacterial leaf spots and more. Labeled for use under field conditions, greenhouses, nurseries, interiorscapes and landscapes. Many edible crops on the label. **Foliar spray rates:** 4 tsp-2 fl oz per gal or 0.5-2 gal per 100 gal. **OMRI listed.**

Item: 70-21202 **Size:** 1 gal.

CEASE

MOA
BM02 | REI
4**Active Ingredient:** *Bacillus subtilis* QST 713 strain

Broad-spectrum bacterial based fungicide that provides preventative control of certain fungal diseases such as *Alternaria*, *Botrytis*, downy mildew, powdery mildew and bacterial diseases including *Erwinia*, *Pseudomonas* and *Xanthomonas*. CEASE is labeled for use on ornamentals and several vegetable crops in greenhouses, interiorscapes, fields and nurseries. **Foliar spray rates:** range from 1.25-2.5 fl oz per gal or 1-2 gal per 100 gal. Cease can be used as a soil drench to suppress root rots such as *Fusarium*, *Pythium*, *Phytophthora* and *Rhizoctonia*. **Drench rates:** 32-128 fl oz per 100 gal. **OMRI listed.**

Item: 71-13301 **Size:** 1 gal.
Item: 71-1335 **Size:** 2.5 gal.

Chipco 26019 FLO

MOA
2 | REI
12**Active Ingredient:** Iprodione

Flowable form of iprodione. Labeled for ornamentals in greenhouses and outdoors as well as turf. Effective against *Alternaria*, *Botrytis*, *Rhizoctonia* and others. **Foliar spray rates:** 2-5 tsp per gal or 32-80 fl oz per 100 gal. **Drench rate for Rhizoctonia:** 13 fl oz per 100 gal. **Restricted use pesticide in NY.**

Item: 71-1350 **Size:** 2.5 gal.

Chipco 26019 50%

MOA
2 | REI
12**Active Ingredient:** Iprodione

Wettable powder form of Iprodione. Labeled for greenhouse and outdoor ornamentals. Effective against *Alternaria*, *Botrytis*, *Rhizoctonia* and others. **Foliar spray rates:** 1½- 2½ tsp per gal or 1-2 lb per 100 gal. **Drench rate for Rhizoctonia:** 6.5 oz per 100 gal. **Restricted use pesticide in NY.**

Item: 71-13502 **Size:** 2 lb.

3336 EG



Nufarm

MOA
1 | REI
12**Active Ingredient:** Thiophanate-Methyl

Extruded granule (EG) formulation of locally systemic fungicide for use on ornamentals and certain vegetable transplants in greenhouses, landscapes, interiorscapes, and outdoor nurseries. Labeled for foliar sprays, dips, and drench applications. Controls anthracnose, *Cylindrocladium*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis*, and others. **Foliar spray rates:** ⅔-2 tsp per gal or 8-24 oz per 100 gal. **Drench rates:** 8-16 oz per 100 gal. **Restricted use pesticide in NY.**

Item: 71-2550 **Size:** 5 lb.

3336-F



Nufarm

MOA
1 | REI
12**Active Ingredient:** Thiophanate-Methyl

Locally systemic fungicide for use on ornamentals in greenhouses, landscapes, interiorscapes and outdoor nurseries. Foliar spray, dip and drench applications can be made. Controls anthracnose, *Cylindrocladium*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis* and others. A 0 hr REI can be obtained for drench applications that meet label requirements. **Foliar spray rates:** ½-1½ tsp per gal or 8-24 fl oz per 100 gal. **Dip rates:** 1-1½ tsp per gal or 16-24 fl oz per 100 gal. **Drench rates:** ½-1 tsp per gal or 8-16 fl oz per 100 gal. **Restricted use pesticide in CT & NY.**

Item: 71-2575 **Size:** 1 qt.
Item: 71-2585 **Size:** 2.5 gal.

Companion WP

MOA
BM02 | REI
4**Active Ingredient:** *Bacillus amyloliquefaciens* strain ENV503

Preventative fungicide that can be applied as a foliar spray or a soil drench. Diseases prevented include but are not limited to: *Alternaria*, *Botrytis*, *Colletotrichum*, *Erwinia*, *Fusarium*, *Phytophthora*, powdery mildew, *Pseudomonas*, *Pythium*, *Rhizoctonia* and *Xanthomonas*. Labeled for use on edible crops and ornamentals in field, greenhouse, nursery and shadehouse applications. **Foliar spray and drench rates:** 1-1.5 tsp per gal or 0.5-1.5 lb per 100 gal. **OMRI listed**

Item: 71-1372A2 **Size:** 5 lb.
Item: 71-1375A2 **Size:** 20 lb.

Compass

MOA
11 | REI
12**Active Ingredient:** Trifloxystrobin

Broad spectrum translaminar strobilurin foliar disease control for nursery, greenhouse, and interiorscape use. Compass provides long residual control of many foliar diseases including downy mildew, powdery mildew, *Botrytis*, rust, black spot and many other leaf spot and blight diseases. **Foliar spray rates:** ⅓ tsp-⅔ tsp per 2 gal or 1-4 oz per 100 gal. Do not use with an organo-silicone surfactant such as CapSil.

Item: 71-1355 **Size:** 1 lb.

GGSPRO Technical Services

Our in-house technical services team delivers prompt, practical and accurate support to Griffin customers everywhere. Visit griffins.com for more information.

Concert II

MOA
3+M05 | REI
12**Active Ingredient: Propiconazole & Chlorothalonil**

Combination of systemic and contact fungicides that provide broad-spectrum control of many important plant diseases on ornamentals and conifers. Foliar sprays control *Ascochyta*, *Alternaria*, anthracnose, *Botrytis*, *Cercospora*, *Diplodia*, powdery mildew, *Septoria*, rust and many more. Labeled for use in field and container grown ornamentals in nurseries, lath and shade houses, landscape plantings and specific turf sites. *Do not use in greenhouses.* Damage may occur when used on plants in bud, bloom or with tender new growth. WPS requirements in effect for the next 6 ½ days. Consult label for details. **Foliar spray rates:** ½-4 ⅛ tsp per gal or 9-69 fl oz per 100 gal. **Restricted use pesticide in MA.**

Item: 71-1365 **Size:** 2.5 gal.

CuPRO 5000

MOA
M01 | REI
48**Active Ingredient: Copper Hydroxide**

Broad spectrum fungicide/bactericide in a dry flowable formulation approved for use on ornamentals in greenhouses, shadehouses, outdoor nurseries, landscapes, and Christmas tree farms. Foliar applications control many fungal diseases such as *Alternaria*, anthracnose, *Botrytis*, *Cercospora*, downy mildew, powdery mildew, along with bacterial disease caused *Pseudomonas* and *Xanthomonas*. Also approved for control of Spanish moss and lichens. **Foliar spray rates:** 3 1/3 tsp-3 3/4 Tbls per gal or 1.5-5 lb per 100 gal. **OMRI listed.**

Item: 71-13802 **Size:** 3 lb.

Daconil Ultrex

MOA
M05 | REI
12**Active Ingredient: Chlorothalonil**

A broad spectrum fungicide containing water dispersible granules for easy mixing. Controls leaf spot, *Botrytis*, rust, black spot, powdery mildew, Boxwood blight and others on ornamental and flowering plants. Caution on open blooms. **Foliar spray rates:** 1 Tbls per gal or 1.4 lb per 100 gal. 12 hr REI with additional WPS requirements in effect for the next 6½ days. Consult label for details. **Restricted use pesticide in MA & RI.**

Item: 71-1419 **Size:** 5 lb.

Daconil Weather-stik

MOA
M05 | REI
12**Active Ingredient: Chlorothalonil**

A broad spectrum flowable fungicide for the control of foliar diseases such as *Alternaria*, anthracnose, *Botrytis*, *Cercospora*, powdery mildew, rusts, scabs, Boxwood blight and others. Caution on open blooms. 12 hr REI with additional WPS requirements in effect for the next 6 ½ days. Consult label for details. **Foliar spray rates:** 1 ⅓ tsp per gal or 22 fl oz per 100 gal. **Restricted use pesticide in MA.**

Item: 71-1417 **Size:** 2.5 gal.

Decree 50 WDG

MOA
17 | REI
12**Active Ingredient: Fenhexamid**

Decree provides long residual control of *Botrytis* with minimal visible residue and excellent plant and bloom safety. Several edible crops are on the label. Labeled for grown to harvest greenhouse tomato, pepper, cucumbers and leafy greens. **Foliar spray rates:** 1-2 tsp per gal or 0.75-1.5 lb per 100 gal.

Item: 71-1439 **Size:** 2.5 lb.

Eagle 20 EW

MOA
3 | REI
24**Active Ingredient: Myclobutanil**

Foliar fungicide for the control of powdery mildew, rust, scab and other diseases. Can be used on ornamentals outdoors, in greenhouses, and on some fruit trees and vine crops. Eagle is locally systemic, with curative and protectant activity. **Foliar spray rates:** ½-¾ tsp per gal or 6-12 fl oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 71-1435 **Size:** 1 pt.

Item: 71-1437 **Size:** 1 gal.

EcoSwing

MOA
BM01 | REI
4**Active Ingredient: Extract of *Swinglea glutinosa***

EcoSwing is a foliar fungicide based on a botanical extract from *Swinglea glutinosa*. EcoSwing is primarily a preventative fungicide with some curative activity for the control of *Alternaria*, basil downy mildew, *Botrytis*, powdery mildew and others. It can be used on ornamental and food crops in greenhouses, nurseries and landscapes. Best results are achieved by using it as part of a regular program at 7-14 day intervals. **Foliar spray rates:** 1.5-2 tsp per gal, or 24-32 fl oz per 100 gal. **OMRI listed.**

Item: 71-1455 **Size:** 1 qt.

Empress Intrinsic

MOA
11 | REI
12**Active Ingredient: Pyraclostrobin**

Broad-spectrum fungicide labeled for use on rooted cuttings, plugs, liners and containers in greenhouse ornamentals, interiorscape, nursery, container or field production. Labeled as a preventative drench against root pathogens including *Pythium*, *Phytophthora*, *Rhizoctonia*, and *Fusarium*. Benefits include improved plant health, including faster rooting. **Drench rates:** ⅛-¼ tsp per 2 gal or 1-6 fl oz per 100 gal. **Not registered in ME.**

Item: 70-1510 **Size:** 24 fl oz.

Fenstop

MOA
11 | REI
12**Active Ingredient: Fenamidone**

A liquid formulation for use on greenhouse and nursery ornamentals as a drench or spray. Foliar sprays control downy mildew and aerial *Phytophthora*. Apply as a soil drench for *Pythium* or *Phytophthora* root rots. **Foliar spray and drench rates:** 1/2-1 tsp per gal or 7-14 fl oz per 100 gal and it can be re-applied at 28 day intervals if needed. 2EE for Aerial *Phytophthora*.

Item: 71-14800 **Size:** 1 qt.

Fosphite EC

MOA
P07 | REI
4**Active Ingredient: Mono & Di-Potassium Salts of Phosphorous Acid**

Broad spectrum, systemic fungicide for control of downy mildew, *Pythium*, *Phytophthora* and many other diseases in greenhouse and nursery outdoor crops. Many edible crops are on the label. Stimulates natural plant defenses. Do not apply within 20 days of a copper application. **Foliar spray rates:** 2-4 tsp per gal or 32-64 fl oz per 100 gal. **Drench rates:** 1/2-3/4 tsp per gal or 6-12 fl oz per 100 gal.

Item: 71-1522 **Size:** 2.5 gal.

Item: 71-1525 **Size:** 55 gal.

Grotto

MOA
M01 | REI
4**Active Ingredient: Copper Octanoate**

Copper soap based fungicide/bactericide. Controls: anthracnose, *Alternaria*, *Cylindrocladium*, powdery mildew, certain bacterial leaf spots and more. Labeled for ornamentals grown in greenhouses, nurseries and interiorscapes, as well as herbs and vegetable crops in greenhouses and shadehouses. **Foliar spray rates:** 4 tsp-2 fl oz per gal or 0.5-2 gal per 100 gal. **OMRI listed.**

Item: 71-2030 **Size:** 1 gal.

Guarda

MOA
BM01 | REI
0**Active Ingredient: Thyme Oil**

Guarda is an emulsifiable concentrate of a botanical extract of Thyme oil that has been stabilized with the HOLDit® Technology that allows it to remain active for up to 14 days. Labeled as a spray, drench or dip on ornamentals, turf and edible crops including herbs. Use preventatively against foliar pathogens bacterial blight/canker, *Botrytis*, *Colletotrichum*, downy mildew, fungal leaf spots, powdery mildew, and rust, and for *Fusarium*, *Pythium* and *Rhizoctonia* when applied as a drench. **Foliar spray rates:** 0.8-4.2 fl oz per gal or 80-422 fl oz per 100 gal. **Drench rates:** 5 fl oz per gal or 4 gal per 100 gal. **Pre-Plant Dip rates:** 0.32-0.64 fl oz per gal or 32-64 fl oz per 10 gal.

Item: 71-1610 **Size:** 2.5 gal.

Heritage

syngenta

MOA
11 | REI
4**Active Ingredient: Azoxystrobin**

A broad-spectrum, contact and xylem-mobile systemic strobiluron fungicide, labeled for use as a foliar spray or drench on ornamentals as well as many vegetable and herb transplants in greenhouses, container or field-grown crops and other locations. It controls many diseases including *Alternaria*, *Botrytis*, Boxwood Blight, *Cercospora*, downy mildew, powdery mildew, *Rhizoctonia*, and scab. Heritage is available as a WP and an SC formulation. The rates are different as shown below. **Foliar spray rates for WG:** 1 tsp per 2.5-5 gal or 1-4 oz per gal 100 gal. **Drench rates for WG:** 1 oz per 100 gal. **Foliar spray rates for SC:** 1/8 -1 tsp per gal or 2-15.3 fl oz per 100 gal. **Drench rates for SC:** 1/4 tsp per gal or 3.8 fl oz per 100 gal. **Restricted use pesticide in VT.**

Item: 71-1408 **Size:** 4 fl oz., SC formulation

Item: 71-1400 **Size:** 1 lb., WG formulation

Item: 71-1405 **Size:** 6 lb., WG formulation

Kalmor

MOA
M01 | REI
48**Active Ingredient: Copper Hydroxide**

Broad spectrum fungicide/bactericide in a dry flowable formulation for use on ornamentals and many vegetable and fruit crops. Foliar sprays control many fungal diseases including: *Alternaria*, Anthracnose, *Botrytis*, *Cercospora*, downy mildew, powdery mildew, and others along with bacterial leaf spots caused by *Pseudomonas* and *Xanthomonas*. **Foliar spray rates:** 1/2-2 tsp per gal or 0.5-2 lb per 100 gal. **OMRI listed.**

Item: 71-2050 **Size:** 2.5 lb.



GGSPRO TIP

GUARDA FUNGICIDE

Guarda is a botanical extract of thyme oil that has been stabilized, allowing it to provide activity for up to 14 days after application. Labeled as a spray, drench, or dip on ornamentals, turf, and edible crops including herbs. Use this unique oil-based fungicide to combat many foliar and root pathogens.

GGSPRO TIP

KLEENGROW

KleenGrow is an EPA-registered, multi-use product that provides broad-spectrum control of waterborne pathogens, algae in irrigation systems, plant pathogens, and surface diseases. It delivers residual disease control for up to 14 days on crops and 30 days on hard surfaces. KleenGrow is a safe and economical solution to prevent cross-contamination between plants and surfaces in greenhouses. It can be used as a dip for seeds and bulbs, applied safely on foliage, crown, and roots, and tank-mixed with compatible pesticides for comprehensive protection throughout the crop cycle.



KleenGrow

**Active Ingredient: Didecyldimethylammonium Chloride**

Kleengrow is a 4th generation DDAC fungicide, algacide, and virucide for use on greenhouse ornamentals and cut flowers from propagation to finish. Use as a foliar spray, drip or drench to control diseases such as: *Botrytis*, powdery and downy mildew and bacterial leaf spots. Use as a soil drench or injected into irrigation systems to control water borne pathogens and root rots such as: *Pythium*, *Phytophthora*, *Fusarium*, *Rhizoctonia* and *Thielaviopsis*.

| REI | Rate fl oz/gal | Rate fl oz/100 gal | Application |
|-------|----------------|--------------------|--|
| 48 HR | 0.06 - 0.38 | 6-38 | Spray or drench application over crops |
| 12 HR | 0.03 - 0.20 | 3-20 | Intermittent chemigation |
| 0 HR | 0.003 - 0.014 | 0.3-1.4 | Continuous chemigation |
| 0 HR | 0.06 - 0.50 | 6-50 | Propagation Dips |

Item: 74-21125 **Size:** 2.5 gal.
Item: 74-21151-CA **Size:** 5 gal.
Item: 74-21301 **Size:** 30 gal.
Item: 74-21302 **Size:** 55 gal.

LalStop K61
WP**Active Ingredient: Streptomyces sp. strain K61**

Developed from a naturally occurring bacteria, LalStop K61 WP is a preventative foliar spray or drench product that thrives in the rhizosphere for several weeks and provides effective control on a wide range of pathogens including damping-off caused by various fungi, such as *Alternaria* and *Rhizoctonia*; and wilt and root diseases caused by *Fusarium*, *Phytophthora* and *Pythium*. Also used in hydroponics and plant dipping. Refer to label for application rates.

OMRI listed. Drench rates: 1.1.-10.4 g per 100 gal.

Item: 71-2061 **Size:** 0.88 oz
Item: 71-2063 **Size:** 3.5 oz
Item: 71-2065 **Size:** 2 lb.

Medallion WDG

**Active Ingredient: Fludioxonil**

For control of certain root, crown, stem and foliar diseases, Medallion is a residual contact fungicide labeled for use on ornamentals in greenhouse, nursery, interiorscape, and commercial landscapes. Also labeled as a soil drench for *Rhizoctonia*, *Cylindrocladium*, *Sclerotium*, *Thielaviopsis* and *Fusarium*. Foliar diseases controlled include: *Alternaria*, *Botrytis*, Boxwood Blight, *Cercospora*, and *Myrothecium*. **Foliar spray rates:** 1 tsp per 9.5 - 2.3 gal or 1-4 oz per 100 gal. **Drench rates:** 1-2 oz per 100 gal.

Restricted Use Pesticide NY.

Item: 71-16502 **Size:** 8 oz.

Micora

**Active Ingredient: Mandipropamid**

Contact and translaminar systemic fungicide for use in greenhouses, shade structures, lath houses and nurseries. Foliar sprays control downy mildew and aerial *Phytophthora*. Drench applications control *Phytophthora* on roots and crowns. Also labeled for use on many vegetable transplants, and control of late blight of tomato and downy mildew in basil. **Foliar spray and drench rates:** 1/4-1/2 tsp per gal or 4-8 fl oz per 100 gal. Drench volumes per the label.

Item: 71-1655 **Size:** 1 qt.

Mildew Cure

**Active Ingredient: Cottonseed Oil, Clove Oil, Garlic Oil**

Foliar spray for the control of powdery mildew on ornamentals and many edible crops. Active ingredients are essential oils and this product is a 25b product (no EPA registration required). **Foliar spray rates:** 1.25 fl oz per gal or 1 gal per 100 gal. **OMRI listed.**

Item: 16-11005 **Size:** 2.5 gal.

2025

MilStop SP

BioWorks®
CONSIDERING YOUR NEIGHBORHOODMOA
NC | REI
1**Active Ingredient: Potassium Bicarbonate**

Fast acting broad-spectrum foliar fungicide. Especially effective as a quick knockdown of powdery mildew. Controls *Alternaria*, anthracnose, black spot, *Botrytis*, powdery mildew and others on ornamentals and certain edible crops. **Foliar spray rates:** 1-2 Tbls per gal or 2.5-5 lb per 100 gal. **OMRI listed.**

Item: 71-2878**Size:** 5 lb.**Item - CA Only:** 71-2879B-CA**Size:** 5 lb.**Item:** 71-2881**Size:** 25 lb.

Mural WG

syngenta

MOA
7+11 | REI
12**Active Ingredient: Azoxystrobin & Solatenol**

Combining two active ingredients, this broad-spectrum, translaminar systemic fungicide is labeled for use on many ornamentals and edible crop transplants in greenhouses, shade and lath houses, outdoor nurseries and field grown ornamentals. Labeled for both protective and curative treatments for foliar including *Alternaria*, *Botrytis*, boxwood blight, *Cercospora*, *Colletotrichum*, downy mildew, *Entomosporium*, powdery mildew, rust and many more. Root diseases include *Fusarium*, *Phytophthora*, *Rhizoctonia*, *Sclerotium*, *Sclerotinia* and *Thielaviopsis*. **Foliar spray rates:** 1/4-1/2 tsp per gal or 4-7 oz per 100 gal. **Drench rates:** 2-3 oz per 100 gal. **Restricted use pesticide in NY & VT.**

Item: 71-1690**Size:** 1 lb.**Multipacks:**

Item: 70-MMM **Description:** Mural/Mainspring GNL Multipak (3) - 1 lb. bottles of Mural Fungicide & (2) - 1 pt. Mainspring GNL insecticide

Item: 71-PM**Description:** Postiva/Mural Multipak

(4) - 28 fl. Oz bottles of Postiva fungicide & (2) - 1 lb. bottles of Mural Fungicide

Nordox 75 WG

BRANDT

MOA
M01 | REI
12**Active Ingredient: Cuprous Oxide**

Broad-spectrum copper fungicide/bactericide labeled for use on field grown ornamentals, tree fruits, grapes, small fruits and vegetables. Nursery and greenhouse crops include ornamentals and certain vegetables. Labeled for foliar diseases such as *Alternaria*, anthracnose, *Cercospora*, black spot, downy mildew, powdery mildew, and many bacterial leaf spots. **Foliar spray rates:** 1/3 tsp per gal or 10.66 oz per 100 gal. **OMRI listed.**

Item: 71-1700**Size:** 12.5 lb.

Obtego

MOA
BM02 | REI
4**Active Ingredient: Trichoderma asperellum & Trichoderma gamsii**

Biofungicide used to protect plants against soil-borne diseases. Obtego has shown to be active against *Pythium*, *Rhizoctonia*, *Phytophthora*, *Fusarium*, *Verticillium* and several other soil pathogens. Labeled for all ornamental plants including edible crops, flowering plants, foliage, cut flowers, bulbs, shrubs and trees. Used in greenhouses, nurseries and landscape settings. No refrigeration required. **Rates:** Drench 2.5-7.5 oz per 100 gal; consult label for rates for dip, media incorporation or field broadcast applications. **OMRI listed.**

Item: 71-2105**Size:** 5 lb.

OHP 6672 4.5 L

MOA
1 | REI
12**Active Ingredient: Thiophanate-Methyl**

Locally systemic fungicide for use on ornamentals in greenhouse or field applications. May be applied as a foliar spray, drench or pre-plant dip for certain crops. Controls anthracnose, *Cylindrocladium*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis*, and others. **Foliar sprays and drench rates:** 1/2-1 1/4 tsp per gal or 7.25-20 fl oz per 100 gal. **Restricted use pesticide in CT & NY.**

Item: 71-2670**Size:** 2.5 gal.

OHP 6672 50 WP

MOA
1 | REI
12**Active Ingredient: Thiophanate-Methyl**

Locally systemic fungicide for use on ornamentals in greenhouse or field applications. May be applied as a foliar spray, drench or pre-plant dip for certain crops. Controls anthracnose, *Cylindrocladium*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis* and others. **Foliar sprays and drench rates:** 1 2/3 tsp-4 1/2 tsp per gal or 8-16 oz per 100 gal. **Restricted use pesticide in CT & NY.**

Item: 71-2672**Size:** 2 lb.

Orchestra Intrinsic

MOA
7+11 | REI
12**Active Ingredient: Fluxapyroxad & Pyraclostrobin**

Liquid suspension concentrate. Foliar spray controls *Botrytis*, Boxwood Blight, downy mildew, powdery mildew and many leaf spot diseases, crown rots, and stem blights. Soil drenches provide preventative control of *Fusarium*, *Rhizoctonia*, and *Sclerotinia*; suppression of *Phytophthora*, *Pythium* and *Thielaviopsis*. For use on ornamental plants in greenhouses, shadehouses, lathhouses, outdoor nurseries, retail nurseries and landscapes. **Foliar spray rates:** 1/4-2/3 tsp for most diseases or 4-10 fl oz per 100 gal. **Drench rate:** 1/2-2/3 tsp per gal or 8-10 fl oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY. Not registered in ME.**

Item: 71-2205**Size:** 80 fl oz.

Orvego

**Active Ingredient: Ametoctradin & Dimethomorph**

Preventative fungicide with contact, translaminar and locally systemic activity, labeled for ornamentals grown in greenhouses, container and field-grown nurseries and interiorscapes. Controls downy mildew (foliar spray) and aerial *Phytophthora* (spray, sprench or drench). **Foliar spray and drench rates:** $\frac{3}{4}$ -1 tsp per gal or 11-14 fl oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 71-2300 **Size:** 28 fl oz.

OxiPhos

**Active Ingredient: Mono and Di-Potassium Salts of Phosphorus Acid & Hydrogen Peroxide**

Broad spectrum fungicide/bactericide in a liquid formulation that can be applied by foliar spray, drench, trunk spray, root dip or trunk injection depending on the crop. Ornamentals and many edible crops can be treated. Labeled diseases include: bacterial canker, leaf spot and soft rot, downy mildew, powdery mildew, *Phytophthora* and more. 0 hr REI for drench applications if label conditions are met. **Foliar spray rates:** 2.5 tsp-1.25 fl oz per gal or 41.6-128 fl oz per 100 gal. **Drench rates:** $\frac{3}{4}$ -1.5 tsp per gal or 12.8-25.6 fl oz per 100 gal.

Item: 71-2350 **Size:** 2.5 gal.
Item - CA only: 71-2350-CA **Size:** 2.5 gal.
Item: 71-2355 **Size:** 55 gal.

Pageant
Intrinsic TR**Active Ingredient: Boscalid & Pyraclostrobin**

Total Release aerosol for greenhouse ornamentals providing control of foliar diseases such as *Alternaria*, *Botrytis*, *Cercospora*, powdery mildew and rust. **Rates:** 1 can per 3,000 sq ft except for *Cercospora*, 1 can per 1,500 sq ft. **Restricted use pesticide in NY.**

Item: 71-2683 **Qty:** 12/3 oz cans

Pageant Intrinsic WG

**Active Ingredient: Boscalid & Pyraclostrobin**

Broad spectrum fungicide combining two active ingredients for foliar and root diseases on ornamentals in greenhouses, interiorscapes, landscapes, nurseries and greenhouse grown tomatoes. Supplemental labels allow for the treatment of many vegetable crops as transplants and grown on to harvest. Foliar diseases include *Alternaria*, *Botrytis*, Boxwood Blight, *Cercospora*, *Colletotrichum*, downy mildew, aerial *Phytophthora*, powdery mildew, rust and scab. Root and crown rots include *Cylindrocladium*, *Fusarium*, *Pythium*, *Rhizoctonia*, and *Sclerotinia*. Plant health benefits include increased cold, heat and drought tolerance. **Foliar spray rates:** $\frac{1}{2}$ - $1\frac{1}{2}$ tsp per gal or 6-18 oz per 100 gal. **Drench rates:** 1- $1\frac{1}{2}$ tsp per gal or 12-18 oz per 100 gal. **Restricted use Pesticide in NY.**

Item: 71-26801 **Size:** 1 lb.
Item: 71-26821 **Size:** 12 lb.

Palladium WDG

**Active Ingredient: Cyprodinil & Fludioxonil**

Broad spectrum foliar spray with contact and translaminar systemic activity controls many foliar and stem diseases, including *Botrytis*, *Alternaria*, Boxwood blight, *Cercospora*, *Myrothecium*, aerial *Rhizoctonia*, *Septoria*, and 10 other diseases. Labeled for use on ornamentals in the greenhouse, various edibles and herb transplants, landscapes, interiorscapes, golf courses, nurseries, and other application sites. **Foliar spray rates:** $\frac{1}{4}$ - $\frac{3}{4}$ tsp per gal or 2-6 oz per 100 gal. **Restricted use pesticide in NY. Nassau and Suffolk County, NY restrictions apply.**

Item: 71-2685 **Size:** 2 lb.

PerCarb

**Active Ingredient: Sodium Carbonate Peroxyhydrate**

PerCarb is a contact foliar fungicide and bactericide labeled for field-grown crops, tree crops, berries, small fruits, vine crop, and ornamentals. Provides prevention and control of downy mildew, powdery mildew, *Botrytis*, and bacterial leaf spots. **Rates:** 1-3 lb per 100 gal. **Do not apply to crops in bloom. OMRI listed.**

Item: 71-8687 **Size:** 50 lb.

Phostrol

Nufarm

MOA | REI
P07 | 4**Active Ingredient: Mono & Dibasic Sodium, Potassium & Ammonium Phosphites**

Phostrol is a true systemic fungicide labeled for the prevention of *Pythium*, *Phytophthora* and downy mildew and others. Labeled for ornamentals and many edible crops in greenhouses, field production, commercial landscapes, nurseries, and turf. Methods of application vary by crop including foliar sprays, soil drenches, soil incorporation and dipping. Phostrol works by stimulating the natural defenses of plants. Do not apply within 20 days of a copper application. **Foliar spray rates:** 1½-4 tsp per gal or 26-64 fl oz per 100 gal. **Drench rates:** 1/3-2/3 tsp per gal or 5-10 fl oz per 100 gal.

Item: 71-2725 **Size:** 2.5 gal.

Phyton 35

MOA | REI
M01 | 48**Active Ingredient: Copper Sulfate Pentahydrate**

Translaminar systemic copper bactericide and fungicide. Preventative and curative activity against major diseases such as *Alternaria*, *Botrytis*, powdery mildew, *Phytophthora*, *Erwinia*, *Pseudomonas* and *Xanthomonas*. Labeled for use on ornamentals and many edible crops in greenhouses and nurseries. Apply as a spray or drench. See label cautions about interactions with B-Nine and phosphonate fungicides. **Foliar spray rates:** ¾-3 tsp per gal or 13-50 fl oz per 100 gal. **Drench rates:** 13-35 fl oz per 100 gal.

Item: 71-2732 **Size:** 1 ltr.
Item: 71-2737 **Size:** 1 gal.

Postiva

syngenta

MOA | REI
3+7 | 12**Active Ingredient: Pydiflumetofen & Difenoconazole**

Broad spectrum, translaminar systemic with long residual fungicide activity that also suppresses certain bacterial leaf spots. It can be applied as a foliar spray and a drench. Postiva can be used on ornamentals and certain vegetable transplants. Foliar diseases controlled include: *Alternaria*, *Botrytis*, Boxwood blight, *Colletotrichum*, *Cercospora*, powdery mildew, and as well as suppression of the bacterial diseases *Pseudomonas* and *Xanthomonas* spp. Drench treatments provide control of the soilborne pathogens *Fusarium*, *Rhizoctonia* and *Sclerotinia*. Excellent plant and bloom safety. **Foliar spray and Drench rates:** 2/3-1 ¼ tsp per gal or 10-28 fl oz per 100 gal. **Restricted use pesticide in NY.** Not registered in AK, CA.

Item: 71-2400 **Size:** 28 fl. oz.

Multipacks:

Item: 71-PMM **Description:** Postiva/Mural Multipak
(4) - 28 fl. Oz bottles of Postiva fungicide & (2) - 1 lb. bottles of Mural Fungicide

GGSPRO TIP
POSTIVA

Postiva is a versatile fungicide that integrates two active ingredients and offers broad-spectrum control, making it a valuable tool for greenhouse and nursery growers. It fits well into crop rotation programs as it can be applied through various methods, including spray, drench, chemigation, or cold fogging, and is suitable for ornamentals, vegetable plants, and non-bearing fruit and nut plants grown for retail. Postiva belongs to FRAC Groups 3 and 7, giving it a robust defense mechanism against multiple pathogens while helping to delay resistance development.

Protect DF

Nufarm

MOA | REI
M03 | 24**Active Ingredient: Mancozeb**

Turf and ornamental fungicide. Controls petal blight, leaf spot, *Botrytis*, anthracnose, rust, and black spot on roses, azaleas, mums and many other ornamentals. *Do not use on marigolds.* Tank mix with copper products for even greater control of bacterial diseases. Labeled for certain vegetable transplants. **Foliar spray rates:** 1 Tbls per gal or 1.5 lb per 100 gal.

Item: 71-2748 **Size:** 6 lb.

Ranman 400 SC

New

MOA | REI
21 | 12**Active Ingredient: Cyazofamid**

Label permits drench applications to greenhouse tomato transplants and bell peppers grown to harvest only for *Phytophthora*, and foliar sprays for downy mildew and aerial *Phytophthora* on herbs or cucurbit vegetables grown to harvest in a greenhouse. See label for crop specific rates. **Foliar spray rates:** 1/2 tsp per 3-4 gal or 2.1-2.75 fl oz per 100 gal. **Drench rates:** 1/2 tsp per 2.5 gal or 3 fl oz per 100 gal.

Item: 71-27651 **Size:** 1 qt.
Item: 71-27652 **Size:** 1 gal.

Regalia CG

**Active Ingredient: Extract of *Reynoutria sachalinensis***

A botanical fungicide labeled for use on ornamentals in greenhouses, shade-houses, outdoor nurseries and landscape plantings. Utilizing Induced Systemic Resistance, Regalia CG primes the plants for self defense. Protects against foliar diseases, like *Alternaria*, *Colletotrichum*, *Botrytis*, *Cercospora*, downy mildew, *Myrothecium*, powdery mildew, rust and *Septoria*. Bacterial disease protection against *Erwinia*, *Pseudomonas* and *Xanthomonas*. Root and crown diseases include *Fusarium*, *Phytophthora*, *Pythium* and *Rhizoctonia*. **Foliar spray and drench rates:** 0.64-1.28 fl oz per gal or 64-128 fl oz per 100 gal. **OMRI listed.**

Item: 70-2841 **Size:** 1 qt.
Item: 70-2844 **Size:** 1 gal.
Item: 70-2845 **Size:** 2.5 gal.

RootShield Plus
WP**Active Ingredient: *Trichoderma harzianum* Rifai strain T-22 & *Trichoderma virens* strain G-41**

Naturally occurring fungus that grows along with the roots to protect plants from root and crown diseases such as *Cylindrocladium*, *Fusarium*, *Phytophthora*, *Pythium* and *Rhizoctonia*. Improved formulation is fully compatible with injectors and drip irrigation systems. Labeled for ornamentals and many edible crops in greenhouses and nurseries. Approved for hydroponic applications. **Drench rates:** 1/2-1 tsp per gal or 3-8 oz per 100 gal. **OMRI listed.**

Item: 71-27951 **Size:** 1 lb.
Item: 71-27961 **Size:** 3 lb.
Item: 71-27971 **Size:** 30 lb.

RootShield
Granules**Active Ingredient: *Trichoderma harzianum* Rifai strain T-22**

Biological fungicide. Protects plants from root diseases caused by *Pythium*, *Fusarium* and *Rhizoctonia*. Apply as preventive granular incorporation into soil mix before potting or seeding. **Incorporation rates:** 1-1.5 lb per cu yd of soil. **OMRI listed.**

Item: 71-2781 **Size:** 40 lb.
Item: 71-2783 **Size:** 500 lb.
Item: 71-2785 **Size:** 1,000 lb.

Segovis

syngenta

**Active Ingredient: Oxathiapiprolin**

Liquid formulation controls downy mildew and *Phytophthora* by spray or drench. For use on ornamental plants in greenhouses, shade houses, lathhouses, outdoor nurseries, commercial landscapes, basil transplants. Longer residual activity at higher rates. **Foliar spray rates:** 1/8 to 1/2 tsp per 3.5 gal or 0.6 to 2.4 fl oz per 100 gal. **Drench rates:** 1/8 to 1 tsp per 5 gal or 0.65 to 3.2 fl oz per 100 gal.

Item: 71-3100 **Size:** 1 pt.

RootShield Plus
Granules**Active Ingredient: *Trichoderma harzianum* Rifai strain T-22 & *Trichoderma virens* strain G-41**

Naturally occurring fungus that grows along with the roots to protect plants from root and crown diseases such as *Cylindrocladium*, *Fusarium*, *Phytophthora*, *Pythium* and *Rhizoctonia*. Labeled for ornamentals and many edible crops in greenhouses and nurseries. **Incorporation rates:** 1-3 lb per cu yd of soil mix. **OMRI listed.**

Item: 71-27921 **Size:** 40 lb.
Item: 71-27931 **Size:** 500 lb.
Item: 71-27941 **Size:** 1,000 lb.

Segway O

**Active Ingredient: Cyazofamid**

Foliar spray or drench to control downy mildew (spray only), *Pythium* and *Phytophthora* on ornamentals in greenhouses, nurseries, and landscapes. Herbs, tomatoes and peppers added to the label, see label for details. **Foliar spray rates:** 3/8-5/8 tsp per 3 gal or 2.1-3.5 fl oz per 100 gal. **Drench rates:** 1/4-1 tsp per 3 gal or 1.5-6 fl oz per 100 gal depending on the disease. **Restricted use pesticide in VT.**

Item: 71-31102 **Size:** 16 fl oz.
Item: 71-31113 **Size:** 64 fl oz.

RootShield WP

**Active Ingredient: *Trichoderma harzianum* Rifai strain T-22**

Fully compatible with injectors and drip irrigation systems. Biological fungicide for use as a soil drench on ornamentals and many edible crops. Proliferates in the root zone to protect plants from pathogens such as: *Pythium*, *Rhizoctonia* and *Fusarium*. Must be used prior to disease onset. **Drench rates:** Soil drench at 1/2-3/4 tsp per gal or 3-5 oz per 100 gal. **OMRI listed.**

Item: 71-2789 **Size:** 1 lb.
Item: 71-27901 **Size:** 3 lb.
Item: 71-27903 **Size:** 30 lb.

Seido

**Active Ingredient: Pyriofenone**

Seido is a locally translaminar fungicide with vapor activity in a flowable suspension formulation labeled for powdery mildew. Seido will offer a unique rotational option against powdery mildew due to a new MOA for horticulture. Best used as a preventative fungicide and offers up to a 14 day residual. Excellent plant safety, for use in greenhouses, shade houses, outdoor nurseries and field grown plants. **Foliar spray rates:** 1/4-1/3 tsp per gal or 4-5 fl oz per 100 gal.

Item: 71-1320 **Size:** 1 qt.

Sil-Matrix LC

**Active Ingredient: Potassium Silicate**

Sil-Matrix LC is an aqueous liquid concentrate. This versatile product applied as a spray for control of foliar diseases and certain insects and mites. For use on ornamentals and many edible crops including certain vegetables, berries, vines and fruit trees. Foliar diseases controlled: *Botrytis*, powdery mildew and certain turf diseases. Flower caution on label. **Foliar spray rates:** 2 tsp-1.25 fl oz per gal or 32-128 oz per 100 gal. Must keep spray solution at pH 4-5 or 7-8 to prevent from gelling **OMRI listed**.

Item: 71-2939 **Size:** 2.5 gal.

Spirato GHN

**Active Ingredient: Fludioxonil**

For control of foliar, stem and root diseases in ornamentals and certain greenhouse vegetables grown as transplants or grown on to harvest. Labeled for use in interiorscapes, greenhouses, lath, shade and hoop houses, enclosed structures, nurseries and residential landscapes. Foliar diseases include *Alternaria*, *Botrytis*, Boxwood Blight, *Cercospora*, *Myrothecium* and *Rhizoctonia* web blight. Labeled as a soil drench for *Cylindrocladium*, *Fusarium*, *Rhizoctonia*, *Sclerotium* and *Thielaviopsis*. **Foliar spray rates:** 1/4-1/2 tsp per 4 gal or 1-2 fl oz per 100 gal. **Drench rates:** 1/4-1/2 tsp per 4 gal or 1-2 fl oz per 100 gal. **Restricted use pesticide in NY. Nassau and Suffolk County, NY restrictions apply. Not registered in ME.**

Item: 71-2948 **Size:** 1 pt.

Stargus

**Active Ingredient: Bacillus amyloliquefaciens strain F727**

Broad-spectrum biofungicide/bactericide for control or suppression of fungal and bacterial plant diseases. Applications can be made by spray, dip or drench in ornamentals and many edible crops in greenhouses, shadehouses, field, outdoor and retail nurseries, and the landscape. Diseases controlled include: *Alternaria*, *Botrytis*, *Cercospora*, *Colletotrichum*, downy mildew, *Pythium*, *Phytophthora*, powdery mildew, *Rhizoctonia*, *Sclerotinia*, *Xanthomonas* and more. **Foliar spray rates:** 2 tsp-1.25 fl oz or 32-128 fl oz per 100 gal. **Drench rates:** 2 tsp-1.25 fl oz per gal or 32-128 fl oz per 100 gal. **OMRI listed**

Item: 71-2950 **Size:** 2.5 gal.

Stature SC

**Active Ingredient: Dimethomorph**

Locally systemic fungicide for the control of downy mildew and *Phytophthora* diseases on greenhouse and outdoor grown ornamentals. Foliar sprays control downy mildew and aerial *Phytophthora*. Some damage to blooms may occur from sprays. Drenches control *Phytophthora* root and crown rots. **Foliar spray rates:** 1/3-3/4 tsp per gal or 6.12-12.25 fl oz per 100 gal. **Drench rates:** 1/4-3/4 tsp per gal or 3.06-12.25 fl oz per 100 gal. **Not registered in ME.**

Item: 71-14652 **Size:** 25 fl oz.

Subdue Maxx

**Active Ingredient: Mefenoxam**

Systemic residual control of root and stem rot diseases caused by *Pythium* and *Phytophthora*. Applications for downy mildew must be tank mixed with a product for downy mildew from another MOA class. **Drench rate:** Soil drench at time of seeding at 0.13-0.25 fl oz per 100 gal; at time of transplanting 1/2-1 fl oz per 100 gal. A 0 hour REI can be obtained for drench applications that meet label criteria. **Foliar spray rates:** 0.15-0.3 ml per gal or 0.5-1 fl oz per 100 gal. Many vegetable and herb transplants can be treated. **CA and NY require a supplemental label.** Some states have 24C labels that allow for use on basil.

Item: 71-2979 **Size:** 1 qt.

Item: 71-2978 **Size:** 1 gal.

Item: 71-29781 **Size:** 10 gal.

SuffOil-X

**Active Ingredient: Horticultural oil**

Listed under Insecticides page 354

Terraguard SC

**Active Ingredient: Triflumizole**

Foliar sprays control *Alternaria*, *Botrytis*, *Rhizoctonia* (aerial), rust and scab. Drench applications control *Cylindrocladium*, *Fusarium* and *Thielaviopsis*. Labeled for use on transplants and grown to harvest on cucumbers and tomatoes only for powdery mildew. *Do not use on impatiens plugs.* **Foliar spray and drench rates:** 1/8-1 tsp per gal or 2-16 fl oz per 100 gal. **Restricted use pesticide in NY. Nassau and Suffolk County, NY restrictions apply.**

Item: 71-30180 **Size:** 1 qt.

Terrazole L

**Active Ingredient: Etridiazole**

Controls *Pythium* and *Phytophthora* in greenhouse and nursery ornamental crops. **Drench rates** for container grown crops: 1/8-3/8 tsp per gal or 2.5-7 fl oz per 100 gal. Label contains drench volumes based on pot size and instructions for bed grown plants. **Restricted use pesticide in NY.**

Item: 71-3023 **Size:** 1 qt.

Triact 70

MOA
UNE
REI
4**Active Ingredient:** Clarified hydrophobic extract of neem oil

Horticultural oil labeled for the control of foliar fungal diseases of ornamentals and edible crops in greenhouses, interiorscapes, landscapes and nurseries. Diseases controlled include: *Alternaria*, Anthracnose, black spot, *Botrytis*, powdery mildew, rust and scab. Triact 70 is also labeled for insect and mites (see pg. 360). **Foliar spray rates:** 4 tsp-1.28 fl oz per gal or 0.5-1 gal per 100 gal. **OMRI listed.**

Item: 70-3226 **Size:** 2.5 gal.

Triathlon BA

MOA
BM02
REI
4**Active Ingredient:** *Bacillus amyloliquefaciens* strain D747

Biofungicide/bactericide for use on ornamentals, vegetables and herbs, berries, stone fruits and turf for prevention of many foliar and root diseases. Foliar sprays for anthracnose, *Alternaria*, bacterial leaf spots (*Erwinia*, *Pseudomonas*, *Xanthomonas*), *Botrytis*, black spot on roses, *Cercospora*, downy mildew, *Entomosporium*, *Myrothecium*, powdery mildew, rust, and scab. Soil drench application prevents *Fusarium*, *Pythium*, *Phytophthora*, and *Rhizoctonia*. Labeled for cutting and root dip. **Foliar spray rates:** 1 tsp-2 Tbls per gal or 16-96 fl oz per 100 gal. **Drench rates:** 1 tsp-4½ tsp per gal or 16-72 fl oz per 100 gal. **OMRI listed.**

Item: 71-3040 **Size:** 1 gal.

Trinity TR

MOA
3
REI
12**Active Ingredient:** Triticonazole

Total release aerosol for greenhouse ornamentals providing broad spectrum prevention and control of diseases including *Alternaria*, *Cylindrocladium*, *Cercospora*, downy mildew, *Fusarium*, *Myrothecium*, powdery mildew and rust. Treatments can be repeated at 7-day intervals, up to 3 consecutive applications. *Do not use with open blooms.* **Rate:** 1 can per 3,000 sq ft except for *Cercospora* and *Fusarium*, 2 cans per 3,000 sq ft. **Not registered in NY.**

Item: 71-3050 **Qty:** 12/3 oz cs.

Truban 25 EC

MOA
14
REI
12**Active Ingredient:** Etridiazole

Controls *Pythium* and *Phytophthora* in ornamental and nursery crops. **Drench rates:** Bedding plants (soil 2-3" deep) ¼ tsp per gal or 4 fl oz per 100 gal—apply to 800 sq ft; container and bedgrown plants 4-8 fl oz per 100 gal—apply to 400 sq ft. Irrigate immediately with additional water to at least half the volume of the fungicidal drench. Do not tank mix with other products. **Restricted use pesticide in CT & NY.**

Item: 71-3070 **Size:** 1 qt.

Truban 30 WP

MOA
14
REI
12**Active Ingredient:** Etridiazole

Controls *Pythium* and *Phytophthora* in ornamental and nursery crops. **Drench rates:** Bedding plants (soil 2-3" deep) ¼-1 tsp per gal or 3-6 oz per 100 gal—apply to 800 sq ft; container and bedgrown plants 3-10 oz per 100 gal—apply to 400 sq ft. Irrigate immediately with additional water to at least half the volume of the fungicidal drench. **Restricted use pesticide in NY.**

Item: 71-3065 **Size:** 2 lb.

ZeroTol 2.0

MOA
NC
REI
1**Active Ingredient:** Hydrogen Dioxide & Peracetic Acid

For use in greenhouses, garden centers, landscapes, nurseries, hydroponics and turf. Kills algae, bacteria, fungi and their spores on contact. Can be used to treat irrigation water for pathogen control. Labeled for use on ornamentals, herbs, vegetables, small fruits, and hard surface applications. Safe on foliage and most open blooms. Can be applied as a spray, fog or drench. Leaves no residue and has 0 REI for drench treatments if label conditions are met. **Foliar spray rates:** 0.5-1.25 fl oz per gal or 50-128 fl oz per 100 gal. **Drench rates:** 0.25-1.25 fl oz per gal or 25-128 fl oz per 100 gal. **OMRI listed.**

Item: 71-35501

Item - CA only: 71-35501-CA

Item: 71-35511

Item - CA only: 71-35511-CA

Item: 71-35521

Item - CA only: 71-35521-CA

Size: 2.5 gal.

Size: 2.5 gal.

Size: 30 gal.

Size: 30 gal.

Size: 55 gal.

Size: 55 gal.

GGSPRO TIP

ZEROTOL 2.0 FUNGICIDE

The active ingredients in ZeroTol 2.0; hydrogen dioxide and peracetic acid, kill algae, bacteria, and fungi on contact using their oxidation properties. This multi-use fungicide and disinfecting sanitizer is labeled for use on ornamentals, herbs, vegetables, small fruits, irrigation systems, hard surface applications, and more!

ZeroTol HC

**Active Ingredient: Hydrogen Dioxide & Peracetic Acid**

ZeroTol HC is a fungicide/bactericide to prevent or control plant diseases on ornamentals, vegetable, berry and fruit crops, turf and lawns. It is also labeled for many hard surfaces to control odor causing bacteria, algae, fungi, moss, mold and mildew. Packaging designed for smaller growers and hobby greenhouses. **Foliar spray rates:** 0.64-0.85 fl oz per gal. **OMRI listed.**

Item: 71-3545 **Size:** 1 gal.

BioSafe Test Strips



Test Strips for ZeroTol 2.0, SaniDate 5.0, and SaniDate 12.0. Measuring the concentration of peracetic acid or peroxyacetic acid (PAA) and hydrogen peroxide (H2O2) is the most useful way of monitoring the strength of oxidizers by BioSafe.

For testing the PAA and H2O2 concentration of the final dilution for applications such as hydroponic production, the low-range test strips are most appropriate. The low range PAA test strips measure concentration ranging from 0-50ppm PAA and the H2O2 test strips measure concentrations ranging from 0-100ppm H2O2.

Item: 31ZTTL Low Range PAA Test Strips 50/vial
Item: 31ZTTK Low Range H2O2 Test Strips 100/vial

For testing higher concentrations of PAA and H2O2 such as for stock solutions, the high-range test strip options are the better choice, measuring PAA from 50-500ppm and H2O2 from 0-1000ppm.

Item: 31ZTTH High Range PAA Test Strips 100/vial
Item: 31ZTTM High Range H2O2 Test Strip 100/vial

GROWTH REGULATORS

Abide

REI 12

Active Ingredient: Ancymidol

Versatile plant growth regulator used to enhance compactness of container-grown ornamentals. Approved for use as a foliar spray or soil drench. Reference label for specific use rates by crop species.

Item: 73-1155 **Size:** 2.5 gal.

Altercel



REI 12

Active Ingredient: Chlormequat

Previously known as Cycocel, this plant growth regulator is used for poinsettias, azaleas, geraniums, hibiscus, and other crops. Apply as foliar spray or a soil drench. Outdoor use on containerized plants only. Specific rates vary with plant species, timing and type of treatment. Read the label for specific rate information. Not labeled for edibles.

Item: 73-1165 **Size:** 1 gal.

A-Rest



REI 12

Active Ingredient: Ancymidol

Height control of container grown lilies, poinsettias, chrysanthemums, dahlias, tulips, foliage and bedding plants. Predictable response makes it a good choice for use in plug production.

Item: 73-1150 **Size:** 1 qt.
Item: 73-1151 **Size:** 2.5 gal.
Item: 73-1152 **Size:** 30 gal.

B-Nine WSG



REI 12

Active Ingredient: Daminozide

Height control of chrysanthemums, gardenias, azaleas, hydrangea, poinsettias and many bedding plants. Outdoor use on containerized plants only. **Restricted use pesticide in ME, NH, NJ, NY & VT.**

Item: 73-12512 **Size:** 1 lb.
Item: 73-12532 **Size:** 5 lb.

Bonzi



REI 12

Active Ingredient: Paclobutrazol

A powerful gibberellin inhibiting growth regulator producing predictable, consistent response for height control to produce compact growth when used at proper rates and application volumes. Labeled for certain annuals and perennial crops. Bonzi enhances plant quality and flowering. Absorbed quickly into root and stem tissue. Rainfast in 30 minutes. Conduct small-scale trials when treating new varieties or using new rates. Excellent plant safety. **Restricted use pesticide in VT. No outdoor use in NY.**

Item: 70-1260 **Size:** 1 qt.
Item: 70-1270 **Size:** 2.5 gal.

Citadel 

REI 12

Active Ingredient: Chlormequat

Plant height regulator approved for containerized annuals, bedding plants, and woody crop species. Perform small-scale trials to find optimal rates for foliar spray and substrate drench applications. Reference label for recommendations on specific species such as poinsettia, geranium, hibiscus, and azalea.

Item: 73-1280 **Size:** 1 gal.

CytoFlor



REI 12

Active Ingredient: 6-benzyladenine (6-BA)

CytoFlor promotes flowering in certain ornamental crops and increases lateral or basal branching. Additionally, applications of CytoFlor are known to reduce the overall height of specific plants resulting in more compact and marketable plants.

Item: 73-1387 **Size:** 1 qt.

Collate 

REI 48

Active Ingredient: Ethephon

Collate can be used for various different purposes such as enhanced branching, bloom delay, flower induction on some specific ornamental bromeliads, reduced internode elongation, and mistletoe removal on ornamental trees and shrubs. Reference label for rates and instructions for specific uses.

Item: 73-1285 **Size:** 1 gal.

Dazide 85 WSG 


REI 12

Active Ingredient: Daminozide

Height control of chrysanthemums, gardenias, azaleas, hydrangea, poinsettias and many bedding plants. Labeled for containerized grown ornamentals in commercial or research greenhouses.

Restricted use pesticide in ME, NH, NJ, NY & VT.

Item: 73-1390 **Size:** 5 lb.

Concise 

REI 12

Active Ingredient: Uniconazole

Powerful and long-lasting plant growth regulator used for controlling excessive plant stretching and promoting compactness. Rates can vary widely between ornamental species. Reference label and perform small-scale trials to find optimal foliar spray and substrate drench rates. Approved applications also include pre-plant bulb and liner soaks. **Not labeled for edible crops. No outdoor use.**

Item: 73-1300 **Size:** 1 gal.

Item: 73-1302 **Size:** 15 gal.

Fascination



REI 4

**Active Ingredient: Benzyladenine
aka N-(phenylmethyl)-1H-purine-6-amine & GA 4 & 7**

Fascination is a combination of two types of plant growth regulators that produce unique and dramatic effects in plants. In several types of lilies lower leaf yellowing can be prevented. It will also greatly prolong the life of lily blooms. Fascination can be used in an attempt to overcome excessive applications of PGR's. It can also be used to safely add height to a number of crops including poinsettias and mums.

Item: 73-1910 **Size:** 0.5 gal.

Configure 

REI 12

Active Ingredient: 6-Benzyladenine

Applied as a foliar spray to certain ornamentals in greenhouses. Effects vary by plant species and include increased branching, bud set and production of offsets. Rates vary considerably, please consult the label.

Item: 73-1306 **Size:** 0.5 gal.

Florel



REI 48

Active Ingredient: Ethephon

Florel is used to increase lateral branching and reduce internode elongation. Allow 6 weeks or more from the last treatment to the desired bloom date to allow for the delay in flower initiation that occurs. Crops responsive to treatment to increase lateral branching include garden mums, fuchsia, geraniums, verbena, vinca vine and many more. Several bulb crops are treated with Florel to reduce elongation. See the label for the various rates and application strategies.

Item: 73-1660 **Size:** 1 gal. Pistill

Item: 73-1661 **Size:** 2.5 gal. Pistill

Crest 

REI 4

Active Ingredient: Cytokinin, Indole-3-butyric acid & GA 3

Multi-ingredient growth promoter with various uses including enhanced seed germination and root production. Approved for use on nursery and greenhouse ornamentals.

Item: 73-1370 **Size:** 1 gal.

Fresco

fine

REI 4

Active Ingredient: 6-Benzyladenine & GA 4 & 7

Dual active ingredient plant growth regulator with several uses such as increased branching and plant height. Reference label for foliar spray rates. The label allows for drench applications.

Item: 73-1700 **Size:** 1 qt.

Paclo Pro

syngenta

REI 12

Active Ingredient: Paclobutrazol

A powerful growth regulator that provides predictable reduction in internode elongation when used at proper rates and application volumes. Labeled for certain annual and perennial crops. Absorbed quickly into root and stem tissue. Rainfast in 30 minutes. Conduct small-scale trials when making treatments to new varieties or when using new rates. **Restricted use pesticide in VT. No outdoor use in NY.**

Item: 73-1830 **Size:** 1 gal.

Pac O

ohp

REI 12

Active Ingredient: Paclobutrazol

A powerful growth regulator that provides predictable reduction in internode elongation when used at proper rates and application volumes. Labeled for certain annual and perennial crops. Absorbed quickly into root and stem tissue. Rainfast in 30 minutes. Conduct small-scale trials when making treatments to new varieties or when using new rates. **No outdoor use in NY.**

Item: 73-1845 **Size:** 1 gal.

Piccolo

fine

REI 12

Active Ingredient: Paclobutrazol

Gibberellin inhibiting growth regulator for controlling plant height. Approved for foliar spray and substrate drench applications. Conduct small-scale trials when treating new varieties or using new rates. **No outdoor use in NY. Restricted use pesticide in VT.**

Item: 73-1915 **Size:** 1 gal.

Piccolo 10XC

fine

REI 12

Active Ingredient: Paclobutrazol

Highly concentrated gibberellin inhibiting growth regulator for controlling plant height. Approved for foliar sprays and substrate drench applications. Conduct small-scale trials when treating new varieties or using new rates. **Restricted use pesticide in VT. No outdoor use in NY. Not for sale in AK.**

Item: 73-1920 **Size:** 1 qt.

Item: 73-1922 **Size:** 1 gal.

ProGibb LV Plus T & O



REI 4

Active Ingredient: Gibberellic Acid GA3

Plant growth regulator used to promote stem elongation, substitution for cold treatment in certain seeds and to hasten flowering in certain plants. Use on azaleas, cala lily, chrysanthemums, cyclamen, fuchsia, geranium, hydrangea and others. Rates vary widely depending on the application. **OMRI listed.**

Item: 73-1929 **Size:** 1 qt.

Sumagic



REI 12

Active Ingredient: Uniconazole

Used for height control of azaleas, bedding plants, chrysanthemums, Easter lilies, perennials and more. Plants vary in their response to powerful growth regulators, such as Sumagic. Trial according to label rates on new varieties or when using new rates. Dosage and application rates are important to achieve desired plant response. Labeled for tomato, pepper, and eggplant vegetable transplants. **No outdoor use.**

Item: 73-1951 **Size:** 1 gal.

Item: 73-1952 **Size:** 15 gal.

Topflor



REI 12

Active Ingredient: Flurprimidol

Topflor is a plant growth regulator that reduces internode elongation on a wide variety of annual and perennial plants. Similar in strength to Bonzi and Sumagic but it has shorter residual activity in the plants. Used as directed, Topflor does not delay flowering. Topflor tones and strengthens plants, reducing environmental and shipping stresses. Topflor can be applied as a foliar spray or drench. **Restricted use in NY.**

Item: 73-2005 **Size:** 2 ltr.

Item: 73-2010 **Size:** 5 gal. Propak

ROOTING HORMONES AND FERTILIZER SOLUTIONS FROM CLONEX

Clonex Gel



REI 0

Active Ingredient: Indole-3-Butyric Acid

Rooting hormone in a gel form. Ready to use product is formulated for all types of cuttings, including herbaceous and woody species, ornamentals and edibles. Water-based, alcohol-free, 0.31% indole-3-butyric acid (IBA). Assorted package sizes available. **Rate:** ready to use from package. Sold in case qty. only.

Item: 81860068 **Size:** Gel 15 ml. Packet (108 per cs.)

Item: 81860067 **Size:** Gel 100 ml. (12 per cs.)

Item: 81860069 **Size:** Gel 250 ml. (12 per cs.)

Item: 81860074 **Size:** Gel Pint (6 per cs.)

Item: 81860075 **Size:** Gel Quart (1 per cs.)

CLONEX®**Clonex® Clone Fertilizer Solution**

- Nutrition for plants in propagation – macros, chelated micronutrients and vitamins
- Use when roots are present to enhance growth (avoid use prior to root development)

Rates: 5-10 ml per qt (1-2 tsp per qt)

Item: 81860076 **Size/Qty:** 20 ml packet / 108 qty

REI 0

ROOTING HORMONES

Advocate

fine

REI 12

Active Ingredient: Indole-3-Butyric Acid

Rooting hormone for use during cutting propagation. Approved for use on annual, perennial, and woody plant material. Application methods include foliar sprays and basal cutting dips. Rates vary widely based on plant species.

Item: 73-1157 **Size:** 1 qt.

Dip 'N Grow

REI 24

Active Ingredient: Indole-3-Butyric Acid & 1-Naphthaleneacetic Acid

Liquid rooting agent. A liquid concentrate that is diluted with water to any desired strength. Dip 'N Grow's liquid form allows it to be absorbed more easily by cuttings and ensures that a precise amount of chemical comes in contact with the stem. Contains indole-3-butyric acid and naphthaleneacetic acid. Users should test on soft wood cuttings for compatibility. **Rate:** Use a 1/20 ratio with a 5 second dip for most herbaceous cuttings. The label contains information to aid in choosing the correct dilution.

Item: 73-1410 **Size:** 2 oz.

Item: 73-1430 **Size:** 16 oz.

Item: 73-1440 **Size:** 1 gal.

GGSPRO

HORTUS IBA WATER SOLUBLE SALTS ROOTING HORMONE

Hortus IBA Water Soluble Salts contain the rooting hormone active Ingredient Indole-3-Butyric Acid more commonly referred to as "IBA". Hortus IBA can be used to help reduce rooting time on the simplest to most difficult to propagate species. One of the unique benefits of this product is its ability to be applied in a variety of ways such as a dry dip, basal quick dip, spray drip, or total cutting emersion method.

**Hortus IBA Water Soluble Salts 20%**

REI 0

Active Ingredient: Indole-3-Butyric Acid

Dissolve IBA salts in water to make solution for foliar or basal applications to enhance rooting. May be applied to herbaceous or woody cuttings. Rates vary and are determined by use pattern, please consult the label.

Item: 73-1903 **Size:** 100 gm.

Item: 73-1904 **Size:** ¼ kg.

Item: 73-1905 **Size:** 1 kg.

Item: 10-1000 **Description:** AW US Balance Digital Table Top Scale (0.01 X 500gram)

Item: 10-1001 **Description:** AW US-Scoop (4pcs) Measuring Cup Set

Hormodin Powder

ohp

REI 0

Active Ingredient: Indole-3-Butyric Acid

Hormone powder for rooting cuttings available in three strengths for basal application. Active ingredient is indole-3-butyric acid

#1 (0.1% IBA) for herbaceous crops.

#2 (0.3% IBA) for semi-woody ornamentals.

#3 (0.8% IBA) for evergreen trees and shrubs.

Item: 73-18601 **Desc:** 1 lb Hormodin #1

Item: 73-18611 **Desc:** 1 lb Hormodin #2

Item: 73-18621 **Desc:** 0.5 lb Hormodin #3



ROOT CONTROL COATING

Spin Out 260



REI 0

For Container-Grown Plants

Active Ingredient: Copper Hydroxide

Plant growth regulator that is applied to the inner surface of a nursery container. Spin Out inhibits the root tips when they reach the container sides. As the plant continues to produce new lateral roots, Spin Out serves as a growth regulator to the new roots, thus producing a fibrous root system. Used in growing, propagation containers and trays.

Item: 73-1940 Size: 1 gal.

HERBICIDES

Herbicides come in **pre-emergent** (preventors, applied before weed seeds germinate) or **post-emergent** (eradicators, applied after weeds germinate and are actively growing). Most herbicides are not labeled for use in the greenhouse. Consult the product label for specifics. There are many different products to choose from depending on type of crops being treated, time of treatment, application method, etc. Contact your salesperson, our office, or your state extension station for recommendations.

AXXE



MOA 3 | REI 4

Active Ingredient: Ammonium Nonanoate

Quick burn-down non-selective **post-emergence** contact herbicide labeled for use on many sites including interiorscapes, greenhouses, and landscapes. **Foliar spray rate:** 6–19 fl oz per gal. Control grasses and broadleaf weeds, mosses, liverworts, nostac algae and lichens. Does not translocate to roots. Do not apply to plants wet with dew. No surfactant needed. Label allows use around specific edible crops. **OMRI listed with restrictions** - Prior to use OMRI certification needs to be verified if applying inside the greenhouse.

Item: 72-1050 Size: 2.5 gal.

Barricade



MOA 3 | REI 12

Active Ingredient: Prodiamine

A long lasting selective **pre-emergent** herbicide available as a 4L and a 65 WG formulation. Barricade controls grass and certain broadleaf weeds in container and field grown ornamentals, perennials and wild flower production, Christmas tree farms, conifer and hardwood seedling nurseries. One application can give season long control. Apply spring or fall. Barricade has a yellow color so you can see where you spray it, but it does not stain. **Rates** vary by length of control desired. **65 WG is a restricted use pesticide in NY.**

Barricade 4L

Item: 72-1574 Size: 4 fl oz.

Item: 72-1575 Size: 1 gal.

Item: 72-1571 Size: 10 gal.

Barricade 65 WG

Item: 72-1571 Size: 5 lb.

Biathlon



MOA 14+3 | REI 24

Active Ingredient: Oxyfluorfen & Prodiamine

Granular combination **pre-emergent** herbicide for control of broadleaf weeds and certain grassy weeds in field and container ornamentals, grounds maintenance and specified non-crop areas. Use on evergreens (broadleaf and needle) is limited to Christmas tree farms and conifer farms. Provides up to 3 months control. Refer to label for a list of tolerant ornamentals. **Rates:** See label for rates by container size. **Restricted use pesticide in VT.**

Item: 72-1590 Size: 50 lb.

BroadStar



MOA 14 | REI 12

Active Ingredient: Flumioxazin

Granular **pre-emergent** herbicide for use in certain field and container grown shrubs, trees and ground covers. Same active ingredient as SureGuard. Provides at least 8-12 weeks of control for many broadleaf weeds, grasses and liverworts. Does not inhibit crop root growth when used as directed. A supplemental label for applying Broadstar to landscapes is available except in CA and NY. **Rate:** 2.3-4.6 lb per 1,000 sq ft, 150 lb per acre. **Restricted use pesticide in NY.**

Item: 72-1088 Size: 50 lb.

Casoron 4G

MOA 20 | REI 12

Active Ingredient: Dichlobenil

Selective **pre-emergent** herbicide for the control of certain broadleaf and grassy weeds in established woody ornamentals, nut and fruit trees, non-crop areas, and other sites. 8-16 mesh. **Rates:** 2.3-4.6 lb per 1,000 sq ft, 100-200 lb per acre.

Item: 7013150 Size: 50 lb.

Cheetah Pro



MOA 10 | REI 12

Active Ingredient: Glufosinate Ammonium

Broad spectrum, non-selective **post-emergent** herbicide. Useful for glyphosate resistant weeds. Repeat applications may be needed for plants with underground parts or seed. Necrosis of leaves and young shoots generally begins 2-4 days after treatment. Can be used in greenhouses when no desirable vegetation is present. Can also be used for site preparation and non-crop areas. The 12 hr REI expires when the foliage is dry. Foliar spray rates vary by age and maturity of weed to be treated. **Foliar spray rates:** 0.5-2 fl oz per gal or 50 fl oz -1.5 gal per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-1595 Size: 1 gal.

Item: 72-1596 Size: 2.5 gal.

Item: 72-1597 Size: 30 gal.

Clean Slate

NufarmMOA
4 | REI
12**Active Ingredient: Clopyralid**

Selective **post-emergent** broadleaf herbicide for forest sites, forestry nurseries, non-cropland areas, certain ornamental plantings such as conifers, non-leguminous woody species, and ornamental grasses in landscapes and nurseries. **Foliar spray rates:** 0.1-0.25 fl oz per gal per 1,000 sq ft or 4-11 fl oz per 100 gal per acre.

Item: 72-1598 **Size:** 64 fl oz.

Envoy Plus

VALENT
NufarmMOA
1 | REI
24**Active Ingredient: Clethodim**

Post-emergent herbicide for the control of annual and perennial grasses in greenhouses, nurseries and landscape plantings. Use on many broadleaf crops, including certain groundcovers, flowers, shrubs, trees and non-crop areas. Improved formulation gives better control without requiring spray additives. **Rates:** annual grasses 9-16 fl oz per acre, perennial grasses 12-32 fl oz per acre. Spot spraying 1-1½ Tbls per gal. **Restricted use pesticide in NY & VT.**

Item: 72-14451 **Size:** 1 gal.

Finale XL T&O

BASF
We create chemistryMOA
10 | REI
12**Active Ingredient: Glufosinate Ammonium**

Finale is a non-selective, **post-emergent** herbicide that is labeled for use in greenhouses while plants (except edible crops) are present. Best results are obtained when weeds are actively growing. Useful for glyphosate resistant weeds. For greenhouse applications, turn off all fans, use a coarse spray and avoid all contact with desirable vegetation. Label indicates it may be applied around immature and/or inedible fruit not intended for harvest outdoors. **Rates:** 1.5-4 fl oz per gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY. Not registered in ME.**

Item: 72-1605 **Size:** 2.5 gal.

FireWorxx

ohpMOA
UN | REI
12**Active Ingredient: Caprylic Acid & Capric Acid**

Fast acting, non-selective, **post-emergent** broadleaf weed, grass, algae and moss killer. Results seen in hours to a few days. It can be used in and around edible crops, avoiding contact with desirable foliage. Can be used in greenhouses. FireWorxx can also be added at a 1% rate to improve the performance of other herbicides such as glyphosate and glufosinate. **Rates** are based on the size and woodiness of the weeds: 4-12 fl oz per gal or 3-9 gal per 100 gal. **OMRI listed.**

Item: 72-1608 **Size:** 1 gal.

Fortress

ohpMOA
3+29 | REI
12**Active Ingredient: Dithiopyr & Isoxaben**

Pre-emergent granular herbicide with Verge® technology, dust free and easy to spread. Labeled for ornamentals in container and field nurseries. Broad spectrum control of broadleaf and grassy weeds including hard to control weeds such as: crabgrass, bittercress and spurge. Control lasts for 3 months or longer. **Rates:** 3.44 lb per 1,000 sq ft or 150 lb per acre. **Not registered in NY**

Item: 72-1610 **Size:** 50 lb.

FreeHand 1.75 G

BASF
We create chemistryMOA
3+15 | REI
12**Active Ingredient: Pendimethalin & Dimethenamid-P**

Pre-emergent broad-spectrum herbicide that combines a new active ingredient (dimethamid-P) with pendimethalin. Provides up to 8 weeks of preemergence control of many difficult grassy and broadleaved weeds, including yellow nutsedge. Labeled sites include commercial ornamental production nurseries (field grown, container, liners), landscapes and non-crop areas as specified on the label. FreeHand is labeled for directed or over the top applications to certain ornamental trees, shrubs, ground covers, perennials, bedding plants (outdoors only), conifer and hardwood seedling liners and Christmas tree plantings. **Rates:** 100-200 lb per acre. **Restricted use pesticide in CT & MA. Not registered in NY.**

Item: 72-16201 **Size:** 50 lb.GGSPRO TIP
FREEHAND

FreeHand 1.75G herbicide is a powerful preemergent tool designed to control a broad range of weeds, including annual grasses, susceptible sedges, and many small-seeded broadleaf species. By combining two active ingredients, it offers broader control and provides excellent residual efficacy by stopping weeds during germination. FreeHand 1.75G offers exceptional rate flexibility, allowing for tailored application rates based on specific needs. Its label allows use in landscape ornamentals for both residential and commercial areas, general grounds maintenance in non-crop sites, container, liner, and field commercial nurseries, as well as Christmas tree and forest tree nurseries.

Fuerte

MOA
3+14 | REI
12**Active Ingredient:** Flumioxazin & Prodiamine

Preemergence control of broadleaf and grassy weeds in field, container and landscape ornamentals, grounds maintenance, Christmas tree and conifer farms and non-cropland areas. Granular herbicide on the low dust Verge® particle. Do not re-apply at less than 3-month intervals. **Rate:** 100 lb per acre.

Item: 72-1625 **Size:** 50 lb.

Fusilade II

MOA
1 | REI
4**Active Ingredient:** Fluazifop-P-butyl

Broad spectrum, selective **post-emergent** herbicide labeled for over the top use for numerous herbaceous and woody ornamentals. Fast-acting, systemic activity on annual and perennial grassy weed species. Labeled for ornamentals grown in greenhouses, nurseries, and interiorscapes. Also labeled for roadsides, parks, sports fields, golf courses, commercial and residential areas. **Rates:** 0.4-0.6 fl oz per gal or 16-24 fl oz per 100 gal.

Item: 72-1630 **Size:** 1 qt.

Gallery SC

MOA
29 | REI
12**Active Ingredient:** Isoxaben

Pre-emergent herbicide for the control of certain broadleaf weeds in established turf, landscape ornamentals, container-grown ornamentals, nursery stock, ground covers and other sites. **Rates:** ¼-½ tsp per gal or 16-31 fl oz per acre.

Item: 72-1645 **Size:** 1 qt.

Gemini 3.7 SC

MOA
3+29 | REI
12**Active Ingredient:** Prodiamine & Isoxaben

Selective **pre-emergent** herbicide with two active ingredients for the control of grasses and broadleaf weeds for certain established ornamentals in nurseries (container and field grown), non-crop areas, Christmas tree farms and other sites. **Spray rates:** 1¾-4 Tbls per 1,000 sq ft or 38-87 fl oz per acre.

Item: 72-1682 **Size:** 2.5 gal.

Gemini Granular

MOA
3+29 | REI
12**Active Ingredient:** Prodiamine & Isoxaben

Granular **pre-emergent** herbicide for the control of many grassy and broadleaf weeds on selected ornamentals in container, field grown and landscape ornamentals, and Christmas trees. **Rates:** 100-200 lb per acre.

Item: 72-1685 **Size:** 50 lb.

Lontrel

MOA
4 | REI
12**Active Ingredient:** Clopyralid

Selective **post-emergent** herbicide for the control of broadleaf weeds in turf, certain ornamental plantings in landscapes and nurseries. Rates: 0.1-0.5 fl oz per 1,000 sq ft or 4.5 to 21 fl oz per acre. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 3153212 **Size:** 1 qt.

Marengo

MOA
29 | REI
12**Active Ingredient:** Indaziflam

Pre-emergent herbicide available as a soluble concentrate for use in field-grown ornamentals, conifers' production areas, and hardscapes for control of grassy and broadleaf weeds. Labeled for shade, hoop, and gutter-connected houses for use on floors or weed mats under benches with no plant contact. Residual control for 6-8 months. Binds tightly to the soil, no odor, and does not volatilize. See the label for rates. When tank mixing with other herbicides, Marengo must always be dissolved first unless instructed otherwise. **Rate:** 2 tsp per gal or 7.5-14.5 fl oz per acre. **Restricted Use Pesticide in NY & VT. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-2809 **Size:** 18 fl. oz.**Item:** 72-28132 **Size:** 64 fl. oz.

Marengo G

MOA
29 | REI
12**Active Ingredient:** Indaziflam

Pre-emergent herbicide available as a granular for use in field-grown ornamentals, containers and hardscapes for control of grassy and broadleaf weeds. Labeled for hoop houses, gutter connected greenhouses and shade houses on floors or weed mat under benches and in containers 6" or larger. Residual control for 6-8 months. Binds tightly to the soil, no odor, and does not volatilize. See the label for rates. **Rate:** 2.3 lb per 1,000 sq ft or 100 lb per acre. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-28182 **Size:** 50 lb.

GGSPRO TIP

MARENGO

This pre-emergent herbicide is available as a soluble concentrate (Marengo) or a broadcast-friendly granular (Marengo G) formulation for use around field-grown ornamentals, conifers' production areas, and hardscapes for control of grassy and broadleaf weeds. Labeled for hoop houses, gutter-connected greenhouses, and shade houses on floors or under benches. Marengo is one of the only pre-emergent herbicides approved for treating empty greenhouses along with providing up to 8 months of control.



OH2

MOA
3+14 | REI
24**Active Ingredient: Pendimethalin & Oxyfluorfen**

Ornamental Herbicide II is a **pre-emergent** granular herbicide for container and field ornamentals. Combines oxyfluorfen and pendimethalin. Broad spectrum control of both broadleaf and grassy weeds. **Rates:** 2.3 lb per 1,000 sq ft or 100 lb per acre. **Restricted use pesticide in VT.**

Item: 67-81451 **Size:** 50 lb.

Pendulum Aquacap

MOA
3 | REI
24**Active Ingredient: Pendimethalin**

Pre-emergent herbicide for control of most grasses and certain broadleaf weeds. Labeled for turf, field and certain container grown ornamentals that appear on the label. **Rates:** for Non-turf uses 1.6-3.2 fl oz per gal; 70 to 139 fl oz per acre. Consult the label for specific details. **Restricted use pesticide in VT.**

Item: 72-2825 **Size:** 2.5 gal.

Pendulum 2G

MOA
3 | REI
24**Active Ingredient: Pendimethalin**

Pre-emergent herbicide for control of more than 40 grasses and broadleaf weeds. Labeled for residential and commercial turf, field, landscape, and certain container grown ornamentals that appear on the label as well as other non cropland areas. **Rates:** 2.3-4.6 lbs per 1,000 sq ft or 100-200 lb per acre. **Restricted use pesticide in VT.**

Item: 70698340 **Size:** 40 lb.

Pennant Magnum
LiquidMOA
15 | REI
24**Active Ingredient: Metolachlor**

Selective **pre-emergent** control of yellow nutsedge, many annual grasses and broadleaf weeds in nursery and landscape plantings including container and field grown ornamentals, annuals, perennials, woody ornamentals and Christmas trees. Colorless application. **Rates:** 1.5 fl oz per 1,000 sq ft; 0.5 gal per acre. **Restricted use pesticide in MA, NH, NY & VT. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-1565 **Size:** 1 gal.

Princep Liquid

MOA
5 | REI
12**Active Ingredient: Simazine**

Pre-emergent for the control of many broadleaf and grass weeds in certain agricultural crops as well as specified non-crop areas. Princep Liquid enters weeds primarily through the roots so moisture is needed to move it into the root zone. **Rates:** 32-153.6 fl oz per acre. Consult the label for specific rates. **Restricted use pesticide in MA, NH & NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 70719025 **Size:** 2.5 gal.

Ranger PRO

MOA
9 | REI
4**Active Ingredient: Glyphosate**

Liquid formulation containing 41% glyphosate salts. Broad spectrum **post-emergent**, systemic herbicide that controls most emerged weeds, including tough to kill perennials. Best results are achieved with applications to actively growing weeds. **Rates:** 0.6-13 fl oz per gal or 16-160 fl oz per acre.

Item: 72-2885 **Size:** 2.5 gal.

Item: 72-2890 **Size:** 30 gal.

Reward

syngenta

MOA
22 | REI
24**Active Ingredient: Diquat**

Landscape and aquatic herbicide for fast non-selective **post-emergent** control of broadleaf and grassy weeds in industrial, recreational, commercial, and public areas. Rates vary widely, consult label for details. Can be used in greenhouses when no desirable vegetation is present. **Not labeled in NY except for aquatic use. Restricted use pesticide in CT, ME, NH, NJ & VT.**

Item: 70741004 **Size:** 1 gal.**Item:** 72-2866 **Size:** 2.5 gal.

Roundup Quik Pro Dry

MOA
9+22 | REI
4**Active Ingredient: Glyphosate & Diquat**

Roundup herbicide in water-soluble, dust free, dry formulation. A non-selective **post-emergent** herbicide formulated with diquat for a 24-hour knockdown of weeds. Rainfast in one hour. Turns to solution in minutes and won't settle out. Easy to handle, ½ the weight of liquids. No surfactant needed. **Rates:** 0.8-1.5 oz per gal or 5-10 lb per 100 gal. **Restricted use pesticide in NH.**

Item: 72-2879 **Size:** 5-1.5 oz Roundup Quik Pro Dry Paks**Item:** 72-2876 **Size:** 6.8 lb Roundup Quik Pro Dry

Roundup Pro Concentrate

MOA
9 | REI
4**Active Ingredient: Glyphosate**

A non-selective **post-emergent herbicide**, more concentrated version of Roundup Pro. The higher concentration of active ingredient makes this formulation more economical to use. Can be used in greenhouses when no desirable vegetation is present. **Rates:** 0.5-10.5 fl oz per gal or 38.4-128 fl oz per acre.

Item: 72-2869 **Size:** 2.5 gal.

Scythe

Gowan

MOA
27 | REI
12**Active Ingredient: Pelargonic Acid**

A naturally occurring fatty acid for use as a non-selective **post-emergent**, burn-down, top-killing herbicide. Scythe has no soil activity, and its non-systemic action making it the ideal choice for trimming and edging, spot weeding, and renovations. **Rate:** 4-13 fl oz per gal or 3-10 gal per 100 gal.

Item: 75-10512 **Size:** 2.5 gal.

Snapshot 2.5 TG

CORTEVA
agriscienceMOA
3+29 | REI
12**Active Ingredient: Trifluralin & Isoxaben**

Selective **pre-emergent** herbicide for the control of certain broadleaf weeds and annual grasses in landscape and container grown ornamentals, ground covers, Christmas tree plantations and other sites. **Rates:** 2.3-4.6 lb per 1,000 sq ft; 100-200 lb per acre. **Not Registered in NY.**

Item: 72-2972 **Size:** 50 lb.

SureGuard EZ

VALENT
Nufarm

New

MOA
14 | REI
12**Active Ingredient: Flumioxazin**

An improved formulation of SureGuard SC - Pre and early post-emergent herbicide for use in certain field and container grown ornamentals, conifers and deciduous trees. Read label carefully before using on containers. Can be used in empty greenhouses with specific instructions per label. Same active ingredient as BroadStar, but in a sprayable formulation. Provides excellent, long term control of many broadleaf weeds and grasses as well as liverworts. **Rate:** 1 ¾-3 tsp per gal; 8-12 fl oz per acre. **Not Registered in NY.**

Item: 72-8212 **Size:** 1 pt.**Item:** 72-8215 **Size:** 64 fl. oz.

GGSPRO TIP

SUREGUARD XTRA HERBICIDE

SureGuard® Xtra is a new pre-emergent and early post-emergent herbicide option for various field-and container-grown nursery crops, landscape beds, and non-crop areas. SureGuard Xtra offers long-lasting residual control of up to 8 months for many grassy and broadleaf weeds. This dual mode of action herbicide (MOA 14/15) aids in resistance management, provides growers with the simplicity of a single label rate, and the flexibility to apply during the spring, summer, and fall to combat a wide variety of problematic weeds.



SureGuard Xtra

Nufarm

MOA
14+15 | REI
12**Active Ingredient: Flumioxazin & Pyroxasulfone**

A dual mode of action pre and early post-emergent herbicide ideal for outdoor production nurseries, landscape beds, residential and commercial properties, golf courses, schools, and more. No greenhouse use. Provides long residual up to 8 months control of numerous grass and broadleaf weeds. **Rate:** 1.4 tsp per gal or 20 fl oz per acre. **Restricted use pesticide in NY. Not registered in NY, ME, AK and CA.**

Item: 72-8222 **Size:** 1 gal.

Tenacity

syngenta

MOA
27 | REI
12**Active Ingredient: Mesotrione**

Systemic **pre-emergent** and **post-emergent** herbicide with contact and residual control of weeds in turf grass only. Site use includes residential lawns, commercial sites, non-crop areas, golf courses and other locations. Do not plant any crop other than turfgrass for 18 months after last application. Rates vary, consult label.

Item: 72-3048 **Size:** 8 oz.

Treflan 5G HDG

MOA
3 | REI
12**Active Ingredient: Trifluralin**

Pre-emergent herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers and other sites. **Rate:** 1.8 lb per 1,000 sq ft or 80 lb per acre.

Item: 72-3095 **Size:** 40 lb.

INSECTICIDES

Acelepryn

syngenta

MOA
28 | REI
4**Active Ingredient: Chlorantraniliprole**

Long residual insecticide for use on ornamentals in greenhouses, interior landscapes and nurseries, (field grown and container), by foliar spray, bark treatment or soil drench depending on the crop. Foliar sprays control beetles and caterpillars. Drench applications control: aphids, birch leafminer, lacebugs, woolly adelgid and more. **Foliar spray rates:** 1/8-1 tsp per gal or 2-16 fl oz per 100 gal. **Drench rates** based on stem diameter (trees) or height (shrubs). 0 hr REI for drenches if label requirements are met. **Prohibited in Kings, Queens, Nassau & Suffolk County, NY. Restricted use pesticide in VT.**

Item: 70-1074 **Size:** 4 fl oz.

Item: 70-1080 **Size:** 0.5 gal.

Acephate 97UP

MOA
1B | REI
24**Active Ingredient: Acephate**

Broad-spectrum, translaminar systemic insecticide/miticide for use on certain tree, shrub, floral and foliage crops. Labeled sites include greenhouses, nurseries and landscapes. **Foliar spray rates:** 1/3-1 1/3 tsp per gal or 0.25-1 lb per 100 gal. **Restricted use pesticide in NY. Brown Marmalade Stink Bug supplemental label.**

Item: 70-1105 **Size:** 1 lb.

Adept

MOA
15 | REI
12**Active Ingredient: Diflubenzuron**

Insect growth regulator. Effective control for greenhouse fungus gnat and shorefly larvae. Applied as a soil drench or as a coarse spray to the soil surface. Provides control for up to 30 days. 1 lb pouch contains 16 1-oz water soluble bags. **Drench rate:** 1 oz per 200 gal water. Drench volume determined by pot size, chart is included on the label. *Not for use on poinsettias, hibiscus or reiger begonias.* **Not registered in ME and VT.**

Item: 70-1150 **Size:** 1 lb. (16 - 1 oz)

Advion Fire Ant Bait

syngenta

MOA
22A | REI
4**Active Ingredient: Indoxacarb**

Bait for the control of imported fire ants, bigheaded ants, pavement ants, and turfgrass ants. Approved treatment sites include: commercial nursery production of field grown and container ornamentals, non-bearing fruit and nut trees and turf grass sod on sod farms. **Application rates:** 1.5 lb per acre or individual mound treatments of 4 level Tbls per mound. Individual Mound Treatment require uniform distribution of the product 3-4 feet around the mound. Do not disturb the mound and do not apply to tops of mound. Up to 4 applications of Advion Fire Ant Bait may be applied per year, generally at 12-16 week intervals. **Restricted use pesticide in CT.**

Item: 70-1151 **Size:** 25 lb.

Akari 5SC

MOA
21A | REI
12**Active Ingredient: Fenpyroximate**

Miticide with 21 to 28 days of residual contact control. The label allows for use on greenhouse ornamentals as well as interiorscapes. Labeled for broad mites, cyclamen mites, spider mites, psyllids and whitefly. Mite feeding stops within a day and control can be evaluated 4 to 7 days after treatment. No visible residue. **Foliar spray rates:** 1-1 1/2 tsp per gal or 16-24 fl oz per 100 gal. Greenhouse grown tomatoes, peppers and cucumbers: 1-2 tsp per gal or 16-32 fl oz per 100 gal.

Item: 70-1160 **Size:** 1 qt.

Altus

**Active Ingredient: Flupyradifurone**

Altus is a soluble concentrate (SC) formulation of a broad spectrum insecticide. It is labeled as a translaminar foliar spray or drench for use in greenhouses, field and container nurseries, shadehouses, interiorscapes and landscapes. Labeled pests include: aphids, leafhoppers, mealybugs, plant bugs and whiteflies. Suppression of soft scale and western flower thrips can also be expected. Altus can be applied to ornamentals and many vegetable transplants. In addition, cucumbers, lettuce, peppers and tomatoes can be treated when grown to harvest. **Foliar spray rates:** 1/2-3/4 tsp per gal or 7-14 fl oz per 100 gal. **Drench rates:** 1/6-1/4 tsp per gal or 2.8-3.7 fl oz per 100 gal. 12 REI in CA. **Restricted use pesticide in MA & NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 70-11612 **Size:** 64 fl oz.

Aria WDG

**Active Ingredient: Flonicamid**

Translaminar systemic insecticide that controls pests by contact and ingestion. Controls aphids and mealybugs and suppresses thrips and whiteflies in greenhouses and interiorscapes. Feeding stops quickly, death follows in days. Re-apply in 7-28, days as needed. Rates vary, see label. **Do not use on Pansy. Restricted use pesticide in CO, NJ, NV & NY.**

Item: 70-3395 **Size:** 160 gm.

Attain TR

**Active Ingredient: Bifenthrin**

Micro Total Release. ULV greenhouse aerosol formulation containing bifenthrin (Talstar). The label includes aphids, whiteflies, fungus gnats and mites. Safe on blooms and bracts. **Rate:** 1 can per 3,000 sq ft. **Restricted use pesticide in CT & VT.**

Item: 70-2753 **Qty:** 12-2 oz.

Avalon Golf &
Nursery Insecticide

**Active Ingredient: Bifenthrin**

Quick acting broad-spectrum insecticide and miticide. Labeled for greenhouses, shade houses, nursery and golf courses. Excellent plant safety with very little visible residue. **Foliar spray rates:** 1/4 -1 1/2 tsp per gal or 5-20 fl oz per 100 gal. **Drench rates:** varies by pest, consult label. **Restricted use pesticide. Nassau and Suffolk County, NY restrictions apply.**

Item: 70-1210 **Size:** 1 gal.

Avid 0.15 EC

**Active Ingredient: Abamectin**

Miticide/insecticide for the control of spider mites, broad mites, cyclamen mites, thrips and leafminers in shadehouses, greenhouses, field grown ornamentals, including Christmas trees and woody ornamentals. **Foliar spray rates:** 1/2 tsp per gal or 8 fl oz per 100 gal.

Item: 70-1180 **Size:** 8 fl oz.

Item: 70-1185 **Size:** 1 qt.

Item: 70-11851 **Size:** 1 gal.

Multipacks:

Item: 70-AMM **Description:** Avid/Mainspring GNL Multipak (1)-1 gal. of Avid 0.15 EC miticide/insecticide & (4) – 1 pt. Mainspring GNL insecticide

Aza-Direct

**Active Ingredient: Azadirachtin**

A botanical (neem) insect growth regulator. Tank mix with other insecticides to increase control of a wide range of pests because of its ability to keep larval, pupal, and nymph stages from developing further. Labeled for ornamentals, vegetables, fruit trees, and herbs. Approved for use in greenhouses, nurseries, or outdoor field production. **Foliar spray rates:** 1 1/8-1 1/3 tsp per gal or 18-21 fl oz per 100 gal. **OMRI listed.**

Item: 70-1222 **Size:** 2.5 gal.

AzaGuard EC

**Active Ingredient: Azadirachtin**

A botanical (neem) insect growth regulator and nematicide. Targets larval, pupal and nymph stages of many insects such as leafhoppers, mealybugs, soft scale, thrips, and whitefly. Labeled for use on ornamentals and many edible crops in greenhouse, hydroponics, interiorscapes and field crops. May damage certain open blooms. **Foliar and drench rates:** 1 1/4 tsp per gal or 18-21 fl oz per 100 gal. **OMRI listed.**

Item: 70-1224 **Size:** 1 qt.

Item: 70-1225 **Size:** 1 gal.

Item: 70-1226 **Size:** 2.5 gal.

Azatin O

**Active Ingredient: Azadirachtin**

Botanical (neem) insect growth regulator with 4.5% active ingredient. Halts the growth process of instar and pupal stages of labeled insects. Controls whiteflies, thrips, mealybugs, leafminer, fungus gnats, soft scale, and more. Herbs and vegetables on the label. **Foliar spray rates:** 2/3 tsp per gal or 10.66 fl oz per 100 gal. **Drench rate:** 1/2-1 tsp per gal or 8-16 fl oz per 100 gal. **OMRI listed.**

Item: 70-12301 **Size:** 1 qt.

Benefit 60 WP

**Active Ingredient: Imidacloprid**

Insect control on ornamental and certain vegetable transplants in nurseries, greenhouses and interiorscapes. Applications can be made by foliar spray or soil drenches. Controls: aphids, caterpillars, mealybugs, leafminers and other insects. **Foliar spray rates:** One 20-gram packet per 100 gal. See label for soil treatments.

Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT.

Item: 70-1186 **Size:** 5 x 20 gram packets

BotaniGard
22WP**Active Ingredient: *Beauveria bassiana* strain GHA**

Wettable powder insecticide. Naturally occurring fungus for use in controlling aphids, thrips and whiteflies on ornamentals, herbs and vegetable crops in greenhouses and outdoor production. Greater compatibility with biological control agents than the ES formulation. No injector use. **Foliar spray rates:** 1-4 tsp per gal; 0.5-2 lb per 100 gal. **Drench rate for soil-dwelling pests:** 1-4 oz per 1000 sq ft. Safe for tomatoes. **OMRI Listed.**

Item: 70-12521 **Size:** 1 lb.

BotaniGard
ES**Active Ingredient: *Beauveria bassiana* strain GHA**

Emulsifiable suspension mycoinsecticide. A naturally occurring fungus for use in controlling whitefly, aphids and thrips on greenhouse crops, ornamentals, herbs and vegetables. For indoor/outdoor nursery, greenhouse and landscape use. **Foliar spray rates:** 2-4 tsp per gal or 32-64 fl oz per 100 gal. May damage tomatoes. **OMRI Listed.**

Item: 70-12501 **Size:** 1 qt.

Item: 70-12511 **Size:** 1 gal.

BotaniGard
Maxx**Active Ingredient: Pyrethrins & *Beauveria bassiana* Strain GHA**

Natural pyrethrum combined with a naturally occurring fungus. Foliar sprays control: aphids, thrips, whitefly, mealybugs, leafhoppers, plants bugs and many more. Labeled for ornamentals, herbs, vegetables, fruits and nuts in greenhouses, shade houses, nursery, field, landscape, turf and interiorscapes. Use caution on open blooms and *do not apply to poinsettias after bract formulation*. Check compatibility with fungicides prior to tank mix.

Foliar spray rates: ½-2 tsp per gal water; 8-32 fl oz per 100 gal (higher rates on vegetables outside).

Item: 70-1253 **Size:** 1 qt.

Item: 70-1254 **Size:** 1 gal.

Item: 70-1255 **Size:** 2.5 gal.

GGSPRO Technical Services

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GGSPRO TIP
BOTANIGARD
INSECTICIDE

BotaniGard utilizes the natural fungus *Beauveria bassiana* to combat a wide range of insects including aphids, thrips, and whiteflies when used as a foliar spray. BotaniGard comes as a wettable powder (WP) or emulsifiable suspension (ES) formulation as well as a combination product containing pyrethrins (Maxx). Pairing BotaniGard with an azadirachtin-based insect growth regulator (IGR) such as Azatin O, Aza-Direct, AzaGuard, or Molt-X will aid in product efficacy.

2025

BT NOW



Active Ingredient: *Bacillus thuringiensis* ssp. *kurstaki* strain EVB-113-19

BT NOW is toxic to many species of Lepidopteran larvae when applied as a foliar spray. It is labeled for use on ornamentals and edible crops in greenhouses, nurseries and agricultural sites. BT NOW must be ingested by susceptible larvae to be effective. Thorough coverage of target foliage where larvae are feeding is essential. **Foliar spray rates:** ½-3 ½ tsp per gal or 8-56 fl oz per 100 gal. **OMRI listed.**

Item: 70-1290 **Size:** 1 gal.

Item: 70-1290-CA **Size:** 1 gal.

Bug-N-Sluggo



Active Ingredient: Iron Phosphate & Spinosad

Small bait pellets for the control of ants, earwigs, crickets, cutworms, slugs, snails, sowbugs and pillbugs. Scatter pellets around the perimeter of the field or greenhouse vegetable plantings. Fruit trees, small fruits and ornamentals can also be treated. **Rates:** 0.5-1 lb per 1,000 sq ft for most applications. **OMRI listed.**

Item: 70-1295 **Size:** 50 lb.

Captiva Prime



Active Ingredient: Capsicum Oleoresin Extract, Garlic Oil, & Canola Oil

Natural plant-based bioinsecticide, miticide, and insect repellent in an emulsifiable concentrate formulation. Tank mix with other insecticides and miticides to increase control of a wide range of pests because of its irritant effect. It is recommended to perform small-scale trials before applying to entire crop areas to identify any phytotoxicity issues. Labeled for a wide range of ornamentals and edibles grown in greenhouses, nurseries, or outdoors. **Foliar spray rates:** ½-1 tsp per gal or 8-16 fl oz per 100 gal. **OMRI listed.**

Item: 70-1307 **Size:** 1 qt.

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Citation WSP



Active Ingredient: Cyromazine

Insect growth regulator for the control of fungus gnat larvae, and dipterous leafminers in interiorscapes, landscape ornamentals, container-grown ornamentals, lath and shade house grown ornamental bedding plants. Also labeled for shoreflies in greenhouse and interiorscapes. Labeled for certain vegetable transplants. **Drench rate:** 1/2 tsp per gal or one 2.66 oz pouch per 100 gal.

Item: 70-13501 **Qty:** 6 - 2.66 oz.

Conserve SC



Active Ingredient: Spinosad

Conserve insecticide is labeled for control of cutworms, eastern tent caterpillar, gypsy moth larvae as well as thrips, leafminers, leaf rollers and others. **Foliar spray rates:** ⅓-1 ¼ tsp per gal or 6-22 fl oz per 100 gal water. Many outdoor edible crops on the label.

Item: 70-1365 **Size:** 1 qt.

CoreTect



Active Ingredient: Imidacloprid & 12-9-4

CoreTect Tree and Shrub tablet insecticide will control insects in containerized, newly-planted, and established trees and shrubs. Approved sites are landscapes, forested areas and interiorscapes. Control can last 1-2 years. Pests controlled include: Aphids, adelgids (such as hemlock woolly adelgid), leaf feeding bugs and beetles, leafhoppers, leafminers, mealybugs, psyllids and certain scale insects. Rates are based on container size ad can be found on the label. **Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT.**

Item: 70-1380 **Qty:** 250 tablets/bottle

Deadline Mini-Pellets



Active Ingredient: Metaldehyde

Snail and slug bait mini pellets. Use around ornamentals in field, or greenhouses, or orchards, and outdoor vegetables. Resistant to rain and irrigation. **Rates:** 3.6-7.2 oz per 1,000 sq ft; 10-25 lb per acre. **Restricted use pesticide in NY.**

Item: 70-14301 **Size:** 10 lb.

DiPel Pro DF



Nufarm

**Active Ingredient:** *Bacillus thuringiensis kurstaki* ABTS-351

Bacillus thuringiensis for the control of many caterpillars. DiPel works by ingestion, so thorough coverage of foliage is important. **Foliar spray rates:** ½-4 tsp per gal or 0.25-2 lb per 100 gal. Repeat application in 3-14 days to maintain control. **OMRI listed.**

Item: 70-1450 **Size:** 1 lb.

Distance IGR



Nufarm

**Active Ingredient:** Pyriproxyfen

Insect growth regulator for use in greenhouse, outdoor ornamentals and interiorscapes. Controls whitefly, fungus gnat and shorefly larvae (soil surface spray or drench), scale, and others. **Foliar spray rates:** ⅓-⅔ tsp per gal or 6-12 fl oz per 100 gal. *Do not use on salvia, fern, schefflera, heuchera or gardenia.* **Drench rates** and special instructions for poinsettias are on the label.

Item: 70-1465 **Size:** 1 qt.

Ecotec Plus

BRANDT

**Active Ingredient:** Rosemary Oil, Geraniol & Peppermint Oil

Broad spectrum 25b contact insecticide/miticide provides quick kill and control of all life stages of certain pests. Foliar sprays control: aphids, thrips, whiteflies, mites, cabbage loopers, armyworms and other pests. Labeled for use on indoor/outdoor ornamentals and edibles in greenhouses, nurseries, interiorscapes and residential use. **Foliar spray rates:** 1-4 tsp per gal or 16-64 fl oz per 100 gal. **OMRI listed.**

Item: 70-1507 **Size:** 2.5 gal.

Endeavor WP

syngenta

**Active Ingredient:** Pymetrozine

A unique mode of action controls aphids and whiteflies by interfering with their ability to feed. Applied as a foliar spray, insect death occurs in 2-4 days through translaminar systemic activity. Foliar sprays can be used on ornamentals or vegetable transplants for re-sale. Soil drenches can be used on ornamentals only to provide 5 weeks or more of control. **Foliar spray rates:** 1 Tbls per 5 gal or 5.0 oz per 100 gal. **Drench rates:** 5 oz per 100 gal. **In CA- for ornamentals only.**

Item: 70-1655 **Size:** 15 oz.

Engulf GHN

Nufarm

**Active Ingredient:** Bifenazate

Flowable suspension miticide that controls 18 species of spider mite adults including eggs. Not systemic, thorough application necessary. Labeled for ornamentals, interiorscapes, landscapes, nurseries and more. High pH water may reduce effectiveness. Do not use more than two times per year. Labeled for greenhouse grown tomatoes. **Foliar spray rates:** 1/8-1/4 tsp per gal or 2-4 fl oz per 100 gal. **Not registered in ME.**

Item: 70-1515 **Size:** 1 pt.

Enstar AQ

**Active Ingredient:** Kinoprene

Insect growth regulator for control of root mealybugs, soft and armored scale, whitefly, aphid, thrips and fungus gnat larvae. Root mealybugs are controlled by submersing the pot, fungus gnat larvae are controlled by a soil surface spray that is followed by a drench, all others pests are controlled by foliar sprays. Recommended for use on ornamentals in greenhouses, shade houses and interiorscapes. **Foliar spray rates:** 1-2 tsp per gal or 16-32 fl oz per 100 gal.

Item: 70-1520 **Size:** 1 qt.

Entrust SC

**Active Ingredient:** Spinosad

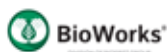
Labeled for control of foliage feeding Lepidopterous larvae (worms or caterpillars), Colorado potato beetles, leafminers, thrips (suppression only) on ornamentals in greenhouses and nurseries as well as many edible crops in fields and greenhouses. Labeled for certain pests in aquatic production. **Foliar spray rates:** 1/8-1¼ tsp per gal or 3-22 fl oz per 100 gal. **OMRI listed.**

Item: 70-1538 **Size:** 1 qt.

GGSPRO TIP EPISHIELD

EpiShield is a miticide and insecticide formulated with a proprietary blend of essential oils, designed for easy use by growers. It's approved for use on ornamentals, edibles, herbs, and hemp, and is applied as a foliar spray or plant cutting dip. As a 25(b) product, EpiShield is exempt from REI (Re-entry Interval) and PHI (Pre-harvest Interval) restrictions, meaning that greenhouse production can continue uninterrupted during mixing or spraying. EpiShield works on contact by causing pest paralysis, suffocation, and desiccation, making it ideal for targeting hot spots. Its benefits include no risk of pest resistance or residue tolerance, and minimal Personal Protective Equipment (PPE) is required for handling.

EpiShield



25b | REI 0

Active Ingredient: Peppermint Oil, Clove Oil, & Sodium Lauryl Sulfate

Essential oil-based 25b insecticide and miticide approved for ornamentals, edibles, herbs, and hemp. Applied as a foliar spray and plant cutting dip. Provides contact paralysis, suffocation, and desiccation to control aphids and mites. Exempt from REI and PHI restrictions. **Foliar spray rates:** 1/2-3/4 tsp per gal or 9-12 fl oz per 100 gal.

Item: 70-1545 **Size:** 36 oz.

Item: 70-1548 **Size:** 2.5 gal.

Flagship 25WG

syngenta



MOA 4A | REI 12

Active Ingredient: Thiamethoxam

Flagship offers contact, translaminar systemic and systemic control of many greenhouse and nursery pests, including aphids, leafhoppers, mealybugs, whiteflies and others. Flagship sprays are rapidly absorbed into the leaf tissue yielding 2 to 4 weeks residual control. Drench applications can provide systemic control for 6-8 weeks. Certain vegetable transplants are on the label. Consult label for spray rates that vary by pest and crop. **Foliar spray rates and drench rates:** 1/2-1 tsp per gal or 4-8.5 oz per 100 gal. Drench volumes found on the label. **Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT. Prohibited in Nassau and Suffolk County, NY. NY use limited to Christmas trees and greenhouses.**

Item: 70-17002 **Size:** 2 lb.

Floramite SC



MOA 20D | REI 12

Active Ingredient: Bifenazate

Soluble concentrate miticide that controls 8 species of mites, including all life stages of spider mites. Labeled for greenhouses, interiorscapes, landscapes, nurseries and more. High pH water reduces effectiveness. Excellent plant safety. Labeled for tomatoes that are 1" or larger at maturity. **Foliar spray rates:** 1/4-1/2 tsp per gal or 4-8 fl oz per 100 gal.

Item: 70-16531 **Size:** 1 qt.

Fulcrum



MOA 7C | REI 12

Active Ingredient: Pyriproxyfen

Insect growth regulator for use in greenhouses, outdoor ornamentals, and interiorscapes. Controls whitefly pupae, fungus gnat and shore fly larvae (soil surface spray or drench), scale, and others. *Do not use on salvia, fern, schefflera, heuchera, or gardenias.* See label for special instructions on poinsettias. **Foliar spray rates:** 1/3-2/3 tsp per gal or 6-12 fl oz per 100 gal. **Drench rate:** 2 fl oz per 100 gal, drench volumes per the label.

Item: 70-1710 **Size:** 1 qt.

Gnatrol WDG



Nufarm



MOA 11A | REI 4

Active Ingredient: *Bacillus thuringiensis israelensis*

Gnatrol WDG is a biological larvacide, applied as a drench for fungus gnat larvae in greenhouses, interiorscapes and nurseries. It is labeled for ornamental and vegetable crops as well as breeding areas on greenhouse floors. **Drench rates:** preventative to moderate infestations, apply 3.2-6.4 oz per 100 gal. For heavier infestations apply 13-26 oz per 100 gal. Apply 3 times at weekly intervals. **OMRI listed.**

Item: 70-1716 **Size:** 16 lb.

Grandevo CG



MOA UNB | REI 4

Active Ingredient: *Chromobacterium subtsugae* Strain PRAA4-1T

Biological insecticide/miticide for use on ornamental plants and turf against caterpillars, aphids, mealybugs, thrips, whiteflies and mites on ornamentals and edibles in greenhouses and nurseries. Product needs to be ingested to be effective. **Rates:** 2.5 tsp-2.5 Tbls per gal or 1-3 lb per 100 gal. **OMRI listed.**

Item: 70-1751 **Size:** 1 lb.

Item: 70-1754 **Size:** 4 lb.

Item: 70-1756 **Size:** 10 lb.

Hachi-Hachi SC



MOA 21A | REI 12

Active Ingredient: Tolfenpyrad

Improved formulation of this contact, broad spectrum insecticide controls thrips, aphids, flea beetles, mealybugs, scale, leafhoppers and early instar caterpillars. Suppresses whiteflies and powdery mildew. Labeled for indoor and outdoor ornamental crops, including cut flowers. See label for cut flower rates. Labeled for greenhouse grown cucumber and tomato. *Label cautions against use on salvia, impatiens, gypsophila, N.G. impatiens and poinsettia bracts. Consult label for more information.* **Foliar spray rates:** 1½-2 tsp per gal or 21-32 fl oz. per 100 gal. **Not registered in NY.**

Item: 70-1795 **Size:** 0.5 gal.

Hexygon IQ



MOA 10A | REI 12

Active Ingredient: Hexythiazox

Long residual mite growth regulator that controls egg and immature stages of spider mites and several other Tetranychid mites for up to 60 days. Hexygon IQ is labeled for use on ornamentals in greenhouses, landscapes and nurseries. Certain fruiting vegetables in greenhouses can also be treated. Use only one application per crop per year. 2EE dip label available **Foliar spray rates:** 1/4-1/2 tsp per gal or 4-8 fl oz per 100 gal. **Restricted use pesticide in NY.**

Item: 70-1868 **Size:** 1 qt.



GGSPRO TIP

KONTOS INSECTICIDE & MITICIDE

Being a MOA 23, Kontos provides broad-spectrum control over insect and mite species. In fact, it is the only miticide available on the market that can be applied as a substrate drench with several weeks of residual activity. Be sure to check the Kontos label for specific plant tolerance considerations before integrating this valuable product across your entire crop protection program.

Kontos



MOA 23 | REI 24

Active Ingredient: Spirotetramat

Kontos is a broad spectrum miticide/insecticide that has true systemic activity. It can be applied as a spray or a drench. From a foliar spray it controls: aphids, mealybugs, scale, whiteflies and others. Drench applications add spider mite and thrips control. *Kontos damages dracaena, geraniums, verbena and other crops.* See label for list of phyto concerns. **Foliar spray rates:** ½-1 tsp per 5 gal or 1.7-3.4 fl oz per 100 gal. **Drench rates** and volumes per the label. 0 hr REI for drenches if conditions are met.

Item: 70-19601 **Size:** 250 ml (8.45 fl. oz).

Kopa



MOA UN | REI 12

Active Ingredient: Potassium Salts of Fatty Acids

Kopa is an insecticidal soap applied as a foliar spray for the control of many insects, mites and powdery mildew. Kopa can be applied to many field and greenhouse grown vegetable, herb and ornamental crops. There are some plant and bloom safety concerns. Refer to the label for strategies to reduce the risk of phytotoxicity. **Rates:** 1.25-2.5 fl oz per gal or 1-2 gal per 100 gal. **OMRI listed.**

Item: 70-1970 **Size:** 2.5 gal.

LalGuard M52 OD



MOA UNF | REI 4

Active Ingredient: Metarhizium brunneum Strain F52

An effective and versatile bioinsecticide for foliar and soil pest management in edible and ornamental crops. Composed of fungal spores, this microbial based pesticide provides pest control efficacy with minimum impact to applicators, non-targets, and the surrounding environment. Foliar applications controls whiteflies, thrips, mites and aphids. Drench applications targets thrips pupae and weevils. 2EE powdery mildew label available. **Foliar spray rates:** 8-64 fl oz per 100 gal. **Drench rates:** 40-80 fl oz per 100 gal.

Item: 70-2289 **Size:** 8 fl. oz.

Item: 70-2291 **Size:** 1 L.

Magus



MOA 21 | REI 12

Active Ingredient: Fenazaquin

Foliar applied insecticide/miticide for the rapid knockdown of all stages of spider mites and whiteflies on ornamental crops and non-bearing fruit and nut trees. Certain states support a supplemental label that allows for use to control powdery mildew. Labeled sites include greenhouses, landscapes, nurseries, shadehouses and field grown plants. **Foliar spray rates:** 3/4-1½ tsp per gal or 12-24 fl oz per 100 gal. **Restricted use pesticide in VT.**

Item: 70-2329 **Size:** 1 qt.

GGSPRO TIP

LALGUARD M52 OD

LALGUARD M52 OD (formerly Met52) is a blast from the past! After taking a short hiatus off the market, it is now back to help add a unique crop protection tool for growers. This is an effective and versatile bioinsecticide for foliar and soil pest management. Composed of spores of the fungus *Metarhizium brunneum* strain F52, this bioinsecticide provides proven pest control efficacy with minimum impact to applicators, pollinators, beneficials, and the surrounding environment. LALGUARD M52 OD offers growers proven efficacy against the most destructive pests infesting greenhouse crops, which include: aphids, thrips, whiteflies, and mites.



Mallet 0.5 G

Nufarm

MOA
4A | REI
12

Active Ingredient: Imidacloprid

Systemic insect control on landscape, nursery, and greenhouse ornamentals and turfgrass. Application can be made as a soil broadcast, soil incorporation, and container top dressing. Controls aphids, beetles, mealybugs, leafminers, soil grubs and other insects. See label for specific application rates. **Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT. Prohibited in Kings, Queens, Nassau & Suffolk County, NY.**

Item: 70-2345 Size: 30 lb.

Mallet 2F

Nufarm

MOA
4A | REI
12

Active Ingredient: Imidacloprid

Insect control on ornamentals and certain vegetable transplants in nurseries, greenhouses, and interiorscapes. Application can be made by soil broadcast, sprays and drenches (including ebb and flood treatments). Controls aphids, beetles, mealybugs, leafminers, soil grubs and other insects. **Foliar spray rates:** ½ tsp per 5 gal or 1.7 fl oz per 100 gal. See label for soil treatment rates. **Not registered in DE. Restricted use pesticide in CO, CT, MA, MD, NJ, NV, NY & VT. No soil injection in Nassau and Suffolk Country, NY.**

Item: 70-2340 Size: 1 gal.



GGSPRO TIP

MAINSRING GNL

Mainspring GNL continues to be an important, plant/bloom safe, broad-spectrum foliar spray and drench product for ornamental producers. Its MOA 28 is a valuable tool providing a long residual of 6-8 weeks control for thrips and aphids as a drench. Use Mainspring as a protectant insecticide to ensure a clean crop stays clean throughout the season.

2025

Mainspring GNL

syngenta

MOA
28 | REI
4

Active Ingredient: Cyantraniliprole

Foliar and systemic insecticide for use on ornamental plants, shrubs and trees grown in greenhouses and nurseries, shade houses, lath houses, commercial landscapes, and interiorscapes. Controls aphids, caterpillars, lacebugs, leafminers, thrips, whiteflies and others. Can be used as spray or drench (containers only). **Foliar spray rates:** ¼-¾ tsp per gal or 4-12 fl oz per 100 gal. **Drench rates:** ½-¾ tsp per gal or 8-12 fl oz per 100 gal. Drench to wet ½-¾ of soil volume. **Restricted use pesticide in NY & VT, no outdoor use in Nassau and Suffolk County, NY.**

Item: 70-2331 Size: 1 pt.

Item: 70-2332 Size: 1 gal.

Multipacks:

Item: 70-AMM Description: Avid/Mainspring GNL Multipak (1)-1 gal. of Avid 0.15 EC miticide/insecticide & (4) – 1 pt. Mainspring GNL insecticide

Item: 70-MMM Description: Mural/Mainspring GNL Multipak (3) - 1 lb. bottles of Mural Fungicide & (2) – 1 pt. Mainspring GNL insecticide

Mainspring
Xtra

New

syngenta

MOA
4A+28 | REI
12

Active Ingredient: Thiamethoxam & Cyantraniliprole

Provides fast knockdown and residual control of chewing, sucking and soil-dwelling insects, including thrips, aphids, whiteflies, leafminers and more. Extended protection through its systemic and translaminar movement. Labeled for use on ornamentals, residential and commercial landscapes, non-bearing fruit and nut trees and vegetable transplants grown for retail sales to consumers. **Foliar spray rates:** 1/4-1 tsp per gal or 2.5-10.5 oz per 100 gal. **Drench rates:** 1/2-1 or 5-10.5 oz per 100 gal. Refer to label for soil drench volumes. **Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT. Prohibited in Nassau and Suffolk County, NY.**

Item: 70-2333 Size: 48 oz.

Marathon 1% G

MOA
4A | REI
12**Active Ingredient: Imidacloprid**

Granular systemic insecticide. Controls aphids, mealybugs, caterpillars and others. Long-lasting residual control; 4-6 weeks with a single application. Some edible bedding plant crops can be treated. **Rates:** See label for rate chart. Higher rates are on the label for three or more plants per pot. **Restricted use pesticide in CO, CT, MA, MD, NJ, NV, NY & VT.**

Item: 70-23752 **Size:** 5 lb.

Item: 70-23812 **Size:** 50 lb.

Marathon II

MOA
4A | REI
12**Active Ingredient: Imidacloprid**

Insect control on ornamental and certain vegetable transplants in nurseries, greenhouses and interiorscapes. Application can be made by foliar application, soil broadcast sprays and drenches (including ebb and flood treatments). Controls aphids, caterpillars, mealybugs, leafminers and other insects. **Foliar spray rates:** 1/2 tsp per 5 gal or 1.7 fl oz (50 ml) per 100. See label for soil treatment rates. **Restricted use pesticide in CO, CT, MA, MD, NJ, NV, NY & VT. No soil injection in Nassau and Suffolk County, NY.**

Item: 70-23712 **Size:** 250 ml.

Minx 2

MOA
6 | REI
12**Active Ingredient: Abamectin**

Miticide/insecticide for the control of spider mites, broad mites, cyclamen mites, thrips and leafminers in shadehouses, greenhouses, field grown ornamentals, Christmas trees and woody ornamentals. New low volatile organic compound (VOC), water-based formula. **Foliar spray rates:** 1/2 tsp per gal or 8 fl oz per 100 gal. **Restricted use pesticide in VT. Not registered in ME.**

Item: 70-2398 **Size:** 1 qt.

Item: 70-2399 **Size:** 1 gal.

Molt-X

MOA
UN | REI
4**Active Ingredient: Azadirachtin**

Botanical (neem) insect growth regulator and nematicide. Targets larval, pupal and nymph stages of many insects such as cutworms, caterpillars, leafhoppers, thrips, and whitefly. Labeled for use on ornamentals and many edible crops in greenhouses, nurseries, and interiorscapes. Excellent plant safety. For heavy infestations or dense foliage use the maximum rates. For tank mixing use the lowest rates. **Foliar spray rates:** 1/2-1 tsp per gal or 8-16 fl oz per 100 gal. **Drench rates:** 1/2 tsp per gal or 8 fl oz per 100 gal. **OMRI listed.**

Item: 70-2405 **Size:** 1 qt.

Item: 70-2410 **Size:** 1 gal.

M-Pede

MOA
UN | REI
12**Active Ingredient: Potassium salts of fatty acids**

Concentrated insecticidal soap is a contact insecticide containing naturally occurring fatty acids for control of adult and immature pests on vegetables, greenhouse crops and ornamentals. Controls whitefly, aphids, mealybugs, thrips, spider mites and more. There are some plant and bloom safety concerns. A supplemental 2ee label allows for plant dips. No NY. Refer to the label for strategies to reduce the risk of phytotoxicity. **Foliar spray rates:** 1.25-2.5 fl oz per gal or 1-2 gal per 100 gal. **OMRI listed.**

Item: 75-10262 **Size:** 2.5 gal.

NoFly WP

MOA
UNF | REI
12**Active Ingredient: *Isaria fumosorosea* strain FE 9901.**

NoFly is a wettable powder insecticide based on a naturally occurring fungus. From a foliar spray it is labeled to control: aphids, leaf hoppers, mealybugs, plant bugs, spider mites, thrips, whiteflies and others. Soil applications can be made by drenching or blending in the soil prior to planting for: aphids (root), mealybugs (root), caterpillars and the pupal stage of thrips. NoFly is labeled for ornamentals as well as many herbs, fruits and vegetables grown in containers in greenhouses, hydroponic systems, nurseries, and field-grown nursery stock. Acceptable storage temperatures are 34-72°F, refrigeration is recommended. **Foliar spray and drench rates:** 1-2 tsp gal or 14-28 oz per 100 gal. **OMRI listed.**

Item: 70-2509 **Size:** 2 lb.

Item: 70-2512 **Size:** 20 lb.

Notavo

MOA
10A | REI
12**Active Ingredient: Clofentezine**

Suspension concentrate (SC) foliar applied contact miticide that is effective against egg and early immature stages of mites for up to 45 days. Two-spotted spider mites and 4 other mites are controlled in commercial greenhouses, saran and shade houses, outdoor container and field grown ornamentals. May leave a magenta stain on white blooms. **Rates:** 1/8 tsp per gal or 2 fl oz per 100 gal.

Item: 70-2520 **Size:** 1 pt.

Overture 35 WSP

MOA
UN | REI
12**Active Ingredient: Pyridalyl**

Overture is an insecticide for thrips and caterpillars on ornamentals produced in commercial greenhouses only. Good translaminar movement in plant tissue. **Rate:** Mix one 2 oz packet in 25 gal. Apply at 14-28 day intervals. Allow 3-6 days to evaluate thrips control.

Item: 70-2590 **Size:** 1 lb. (8 x 2 oz.)

Pedestal SC

**Active Ingredient:** Novaluron

Insect growth regulator for the control of thrips, leafminers, looppers, armyworm, stink bugs and whitefly on ornamentals in greenhouses or nurseries. Tomato transplants grown in greenhouses can also be treated. *Not for use on poinsettias.*

Foliar spray rates: 1/3-1/2 tsp per gal or 6-8 fl oz per 100 gal.

Limited to indoor greenhouse use in NY.

Item: 70-29501 **Size:** 1 qt.

Pest Out

**Active Ingredient:** Cottonseed Oil, Clove Oil & Garlic Oil

Foliar spray for the control of aphids, mites and thrips on ornamentals and many edible crops. Active ingredients are essential oils and this product is a 25b product (no EPA registration required). **Foliar spray rates:** 1.25 fl oz per gal or 1 gal per 100 gal. **OMRI listed.**

Item: 16-11011 **Size:** 2.5 gal.

Item: 70-2512 **Size:** 20 lb.

Pradia

**Active Ingredient:** Cycilaniliprole & Flonicamid

Broad spectrum insecticide in a soluble concentrate formulation. Pradia is labeled for use as a foliar spray on ornamentals including conifers and Christmas trees grown in commercial greenhouses, shadehouses and nurseries. Labeled pests include: adelgids, aphids, caterpillars, flea beetles, Japanese beetles, lace bugs, leafminers, mealybugs, midges, plant bugs, psyllids, soft scales, thrips, and whiteflies. Up to 2 weeks of control from one application. *Do not use on pansy.* **Foliar spray rates:** 2/3-1 tsp per gal or 10-17 fl oz per 100 gal. **Restricted use pesticide in CO, NJ, NV & NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 70-2630 **Size:** 1 qt.

PyGanic 5.0
Specialty**Active Ingredient:** Pyrethrins

Insecticide with natural pyrethrins labeled for a wide range of ornamental and edible crops in greenhouses and outdoor crops. Labeled pests include: aphids, beetles, caterpillars, leafhoppers and many others. **Foliar spray rates:** 1-2 tsp per gal or 16-32 fl oz per 100 gal. **OMRI listed.**

Item: 70-2687 **Size:** 1 qt.

Item: 70-2688 **Size:** 1 gal.

Pylon

**Active Ingredient:** Chlorfenapyr

Miticide/Insecticide/Foliar Nematicide with translaminar activity for use on ornamentals and certain fruiting vegetables in greenhouses only. Pests controlled include: spider mites, broad mites, cyclamen mites, thrips, fungus gnat larvae (soil surfaces spray) and foliar nematodes (consult label for special instructions). *Do not use on poinsettia, salvia, zinnia, roses, kalanchoe and dianthus.* **Foliar spray rates:** mites and thrips 1/3 tsp per gal or 5.2 fl oz per 100 gal. Do not use with an organo-silicone surfactant such as CapSil. **Soil surface spray rates:** for fungus gnat larvae: 1/3-2/3 tsp per gal or 5.2-10 fl oz per 100 gal. **Restricted use pesticide in NY. Not registered in ME.**

Item: 70-2675 **Size:** 1 pt.

Item: 70-26750 **Size:** 1 qt.

Pylon TR

**Active Ingredient:** Chlorfenapyr

A total release translaminar and contact insecticide for ornamentals and certain fruiting vegetables in greenhouses to control mites, thrips and adult fungus gnats. *Do not use on poinsettia, salvia, zinnia, roses, kalanchoe and dianthus.* **Rate:** 1 can per 1,500-3,000 sq ft. **Restricted use pesticide in NY.**

Item: 70-2660 **Qty:** 12-2 oz.

Pyrethrum TR

**Active Ingredient:** Pyrethrins & PBO

A ULV greenhouse aerosol formulation containing natural pyrethrins. Broadly labeled for many greenhouse pests on ornamentals and a wide variety of crops including vegetables and herbs. **Rate:** 1 can per 3,000 sq ft.

Item: 70-2693 **Qty:** 12-2 oz.

Rycar

**Active Ingredient:** Pyrifluquinazon

Quickly stops insect pests from feeding. Used as a foliar spray to control aphids, chilli thrips, leafhoppers, mealybugs, and whitefly. Has contact and translaminar activity with good flower and bract safety. Labeled for use on indoor greenhouse ornamentals and cucumbers, lettuce, peppers and tomatoes grown on to harvest. **Foliar spray rates:** 1/2-1 tsp per 5 gal or 1.6-3.2 fl oz per 100 gal. **Not Registered in NY.**

Item: 70-2900 **Size:** 8 fl oz.

Safari 20 SG



Nufarm

MOA
4A | REI
12**Active Ingredient: Dinotefuran**

Safari is labeled as a foliar spray or a drench. Highly systemic drench is taken up into even older woody foliage. Insects controlled include aphids (drench only), fungus gnat larvae, leafminers, mealybugs, scale, thrips (suppression only) and whiteflies. Drench applications remain effective for up to 6 weeks. Labeled sites include ornamentals grown in greenhouses, and outdoor nurseries. Certain vegetable transplants can be treated by foliar spray only. **Foliar spray rates:** at 1/2-1 tsp per gal or 4-8 oz per 100 gal. **Drench rates:** 1.5-2.5 tsp per gal or 12-24 oz per 100 gal with 4 oz per 6" pot being applied. **Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV, NY & VT. Special use instructions for NY on 24C label.**

Item: 70-29951 Size: 3 lb.

Savate

MOA
23 | REI
12**Active Ingredient: Spiromesifen**

Flowable concentrate miticide/insecticide that controls: All stages of whitefly and knockdown with residual control of mites (many mite species including: broad, boxwood, cyclamen, lewis). Labeled for ornamental flowers, foliage, shrubs and trees in greenhouses, shade houses and field or container nurseries. *Warnings: Do not use on geraniums (Pelargonium sp.), Dracaena, and New Guinea impatiens.* See label for additional plant safety concerns. **Foliar spray rates:** 1/8-1/4 tsp per gal or 2-4 fl oz per 100 gal. **Restricted use pesticide in VT. Not labeled in NY.**

Item: 70-29801 Size: 8 fl oz.

Sanmite SC

MOA
21A | REI
12**Active Ingredient: Pyridaben**

Solution concentrate formulation adds additional pests and certain vegetable transplants. Labeled pests include: aphids (certain species), leafhoppers, mites (broad, spider and others) pear psylla, and whiteflies. Sanmite SC is labeled for ornamentals and greenhouse grown tomatoes and cucumbers. **Foliar spray rates:** 1 tsp per 2.5-1.66 gal or 6.4-9.6 fl oz per 100 gal. The REI includes ventilation requirements per the label. **Prohibited in Nassau and Suffolk County, NY. Restricted use pesticide in VT.**

Item: 70-2915 Size: 1 qt.

Shuttle O

MOA
20B | REI
12**Active Ingredient: Acequinocyl**

Miticide for spider mites and spruce mites that combines a quick knockdown and long residual control. Shows activity against all life stages of susceptible mites. Labeled for ornamentals and certain fruiting vegetables in greenhouses and nurseries. Use only the lowest rates on impatiens and roses. *Do not use on miniature roses.* **Foliar spray rates:** 1/2-3/4 tsp per gal or 6.4-12.8 fl oz per 100 gal.

Item: 70-30152 Size: 1 pt.

Sarisa

MOA
28 | REI
4**Active Ingredient: Cyclanilprole**

Broad spectrum contact and ingestion insecticide in a soluble concentrate formulation. Sarisa is labeled for use as a foliar spray and soil drench on ornamentals including conifers and Christmas trees grown in commercial greenhouses, shadehouses and nurseries. Approved for foliar sprays on greenhouse peppers and tomatoes grown to harvest (see supplemental label for restrictions). Labeled pests include: adelgids, armyworms, borers (beetle and caterpillar) flea beetles, plant bugs, Japanese beetles, lace bugs, leafminers, leafrollers, loopers, mealybugs, psyllids, root weevil complex (adults), and webworms. Sarisa also provides suppression of thrips and mealybugs. Up to 2 weeks of control from one application. **Foliar spray rates:** 3/4-1 2/3 tsp per gal or 11-27 fl oz per 100 gal. **Drench Rates:** 1-1 2/3 tsp per gal or 16.4-27 fl oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY. Drench and edibles applications not approved for CA.**

Item: 70-2975 Size: 64 fl oz.

Sil-Matrix LC

MOA
UN | REI
4**Active Ingredient: Potassium silicate**

Sil-Matrix LC is an aqueous liquid concentrate. This versatile product applied as a foliar spray for control of certain insects, mites and foliar diseases. For use on ornamentals and many edible crops including certain vegetables, berries, vines and fruit trees. Insects and mites controlled: aphids, spider mites and whiteflies. Foliar diseases controlled: *Botrytis*, powdery mildew and certain turf diseases. Keep pH >7.0 to prevent gelling of product that occurs at pH 6. **Foliar spray rates:** 2 tsp-1.25 fl oz per gal or 32-128 fl oz per 100 gal. **OMRI listed.**

Item: 71-2939 Size: 2.5 gal.

Sirocco SC

MOA
6+20B | REI
12**Active Ingredient: Abamectin & Bifenazate**

Dual active ingredient insecticide/miticide for the control of spider mites, broad & cyclamen mites, thrips and suppression of whiteflies. **Foliar spray rates:** 1/5-1/4 tsp per gal or 3-4 fl oz per 100 gal.

Item: 70-30170 Size: 1 qt.

SuffOil-X



Active Ingredient: Horticultural Oil

Labeled for mite, insect and disease control on ornamentals as well as many vegetables. Labeled insect pests include aphids, mealybugs, mites, scale, whiteflies and many others. Labeled diseases include powdery mildew and rust. **Foliar spray rates:** 1.25-2.5 fl oz per gal or 1-2 gal per 100 gal.

Item: 70-4040 **Size:** 2.5 gal.
Item: 70-4043 **Size:** 30 gal.
Item: 70-4045 **Size:** 250 gal.

GGSPRO TIP
SUFFOIL-X

SuffOil-X has proven to be a "go-to" resource for both ornamental and edible growers when managing low pest populations or coming from behind in a mite infestation. Unlike conventional insecticide and miticide options, this high-quality horticultural oil uses suffocation as its primary mode of action, causing death to occur very quickly. If you are new to using oils, reach out to GGSPRO for additional tips and tricks for maximizing efficacy and minimizing phytotoxicity concerns.

Sultan



Active Ingredient: Cyflumetofen

Miticide with newest mode of action available. Contact activity and rapid knockdown of all life stages of spider mites. Label cautions against certain tank mixes. Labeled for use in greenhouses, nurseries, landscapes, and interiorscapes. Labeled for certain edible transplants and crops grown to harvest. Good plant safety with up to 28 days of control. **Foliar spray rates:** ¾ tsp per gal or 13.7 fl oz per 100 gal. **Not registered in ME as of 3/1/23.**

Item: 70-3045 **Size:** 16 fl oz.

Talstar Nursery Granular



Active Ingredient: Bifenthrin

For use as a quarantine treatment to control Imported Fire Ants in balled and containerized nursery stock. It can also be pre-incorporated into the media of container grown ornamentals for the control of the following soil borne insects: black vine weevil larvae, fungus gnat larvae, root mealybugs and white grubs.

Application rates are based on the bulk density of the potting media and are included in tables on the label. **Restricted use pesticide in CT & VT.**

Item: 70-3414 **Size:** 50 lb.

Talus 70 DF



Active Ingredient: Buprofezin

IGR for the control of whiteflies, leafhoppers, scale and mealybugs. Up to 28 days of control from one foliar spray. Greenhouse and outdoor ornamentals and greenhouse tomatoes are on the label. Excellent plant safety including poinsettia bracts. **Foliar spray rates** vary by pest: ⅔ - 1½ tsp per gal or 6-14 oz per 100 gal. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 70-1172 **Size:** 3 lb.

TetraSan 5 WDG



Active Ingredient: Etoxazole

Long residual miticide/ovicide. Foliar spray for the control of egg and nymphal stages of several types of mites, including spider mites. Excellent translaminar activity and residual control for 4-6 weeks. Can be used on greenhouse tomatoes. **Foliar spray rate:** One 2 oz water soluble packet per 12.5-25 gal. Labeled for greenhouses, outdoor and interiorscape uses. **Restricted use pesticide in NY.**

Item: 70-3130 **Size:** 1 lb.

Triact 70



Active Ingredient: Clarified hydrophobic extract of neem oil

Horticultural oil labeled for the control of insects and mite pests of ornamentals and edible crops in greenhouses, interiorscapes, landscapes and nurseries. Labeled pests include: aphids, leafhoppers, mealybugs, mites and scale insects. Triact 70 is also labeled for foliar diseases (see Fungicide section). **Foliar spray rates:** 4 tsp-1.28 fl oz per gal or 0.5-1 gal per 100 gal. **OMRI listed.**

Item: 70-3226 **Size:** 2.5 gal.

TriStar
8.5 SL

Active Ingredient: Acetamiprid

Translaminar systemic insecticide for use on ornamentals and certain vegetable transplants in greenhouses, shadehouses, lath houses and outdoor nurseries. Applied as a foliar spray for aphids, caterpillars, leafhoppers, mealybugs, scale, thrips, whiteflies and other insect pests. Excellent plant safety including poinsettia bracts. *Do not use on verbena.* Allows a one-time drench to greenhouse grown tomatoes. See label for rates. **Foliar spray rates:** Rates vary by pest: ¼-1½ tsp per gal or 4-25 fl oz per 100 gal. **Restricted use pesticide in CO, MA, MD, NJ, NV, NY & VT.**

Item: 70-85221 **Size:** 1 qt.
Item: 70-85241 **Size:** 1 gal.

**Active Ingredient: Horticultural Oil**

Ultra-Pure oil is highly refined petroleum oil for control of eggs, immature and adult stages of mites and soft bodied insects including adelgids, aphids, mealybugs, plant bugs, thrips and whiteflies. Labeled for ornamental crops and certain vegetables grown in greenhouses and nurseries. Avoid application to plants under moisture or heat stress. See label for further precautions regarding specific greenhouse and nursery crops. **Foliar spray rates:** 1.25-2.5 fl oz per gal or 1-2 gal per 100 gal.

Item: 70-21401 **Size:** 2.5 gal.

Item: 70-21451 **Size:** 30 gal¹



GGSPRO TIP VENTIGRA

Ventigra offers a unique mode of action subgroup with no known cross-resistance with key commercial insecticide classes, making it an excellent resistance management tool and an ideal choice for controlling insect pests that have developed resistance to other insecticides. Ventigra exhibits a favorable environmental profile with low acute toxicity to biological control agents (BCAs) and pollinators. This translaminar systemic delivers long-lasting control of problem pests: aphids, whiteflies, and mealybugs.

GGSPRO TIP XXPIRE

XXpire[®] insecticide combines sulfoxaflor and spinetoram to control over 39 insect pests, including key chewing and sap-feeding species while maintaining a high level of plant and bloom safety. With two distinct modes of action, it reduces the risk of resistance and fits well into Integrated Pest Management (IPM) rotations. Its xylem-mobile and translaminar activity ensures quick action, stopping pests like aphids and thrips from feeding shortly after application.

**Active Ingredient: *Beauveria bassiana* strain PPRI 5339**

Microbial insecticide/miticide delivered in an oil dispersion formulation for commercial greenhouse use only. Labeled pests include: aphids, mealybugs, mites, thrips and whiteflies. Velifer can be used on ornamentals, fruits, vegetables, herbs and spices. Refer to label about needing time to hydrate. No CapSil or adjuvant required. **Foliar spray rates:** ¼-¾ tsp per gal or 3-13 fl oz per 100 gal. Can be used in non-thermal foggers. New label additions have added drenching and dipping applications. Refer to label for rates. **Not registered in ME.**

Item: 70-9540 **Size:** 1 qt.

**Active Ingredient: Heat-killed *Burkholderia* spp. strain A396**

Biological insecticide applied as a foliar spray provides control of wide variety of caterpillars and control or suppression of many soft bodied insects, such as aphids, caterpillars, fruit curculios, leafhoppers, mites, psyllids, stink bugs, thrips, true bugs, certain weevils, and whiteflies. Use as a foliar spray on ornamentals and edible crops outdoors or in a greenhouse. Labeled for many food crops, including herbs and fruit-bearing trees. Labeled for certain soil dwelling insects. Refer to label for use directions. **Foliar spray rates:** 4 tsp-2.66 Tbls per gallon or 64-128 fl oz per 100 gal. **OMRI listed.**

Item: 70-9461 **Size:** 1qt.

Item: 70-9464 **Size:** 1 gal.

Item: 70-9465 **Size:** 2.5 gal.

**Active Ingredient: Afidopyropen**

Insecticide with translaminar systemic activity in a water based Dispersible Concentrate (DC) formulation. Labeled for foliar applications to ornamentals, landscape plants and many vegetable transplants (for resale to home consumer market). Sites include: greenhouses, lath houses, shade houses, interiorscapes, landscapes and outdoor nurseries. Ventigra controls or suppresses certain aphids, mealybugs, psyllids, scale and whiteflies. *Ventigra should not be used on Coleus, Ficus, and Poinsettia bracts.* **Foliar spray rates:** Aphids only, ¼ tsp per 3 gal or 1.4 fl oz per 100 gal; Other labeled pests, 1/4-1/2 tsp per gal or 4.8-7.0 fl oz per 100 gal. **Prohibited in Nassau and Suffolk County, NY. Restricted use pesticide in NY.**

Item: 70-9550 **Size:** 20 fl oz.

**Active Ingredient: Sulfoxaflor & Spinetoram**

Dual mode of action translaminar systemic insecticide with excellent plant bloom safety. Controls: aphids, beetles, caterpillars, mealybugs, thrips, whiteflies and more. Labeled for ornamentals grown in greenhouses and nurseries. **Foliar spray rates:** ¼-½ tsp per gal or 2-2.75 oz per 100 gal. **Not registered in ME, NY, CA & AK.**

Item: 70-9700 **Size:** 1 lb.



Sultan[®]

miticide

An innovative miticide that is hard on spider mites and soft on beneficials.

Sultan miticide delivers a unique mode of action for rotation and integrated pest management programs.

- Contact efficacy against all life stages of Tetranychid mites
- Rapid, targeted knock-down and long residual activity
- Compatible with beneficials, including predatory mites
- Excellent plant safety with no observed phytotoxicity

Learn more – betterplants.basf.us

Always read and follow label directions.

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Biological Control Agents (BCAs)

Griffin supports growers currently using biological control agents (BCAs) and those growers considering BCA use. The GGSPro team serves as a coach and technical resource to these growers. In addition to creating individualized BCA plans, the GGSPro team maintains a collection of Quick Sheets, a BCA compatibility database, and an assortment of useful bulletins to guide grower success. The GGSPro Quick Sheets contain information growers need to be successful with BCAs for control of common insect and mite pests. In addition to rates, the Quick Sheets contain release and placement instructions, viability assessment criteria, temperature and humidity requirements and more. The GGSPro compatibility database compiles information from multiple sources for a well-rounded perspective on pesticide compatibility.

Griffin is also committed to providing high quality BCAs with state-of-the-art packaging, including a variety of sachets (breeding colonies), blister packs and traditional bulk packaging. Both Bioline Agrosiences, Beneficial Insectary and BioBee are prime suppliers to ensure uninterrupted availability and a wide selection of available products to meet individual grower needs.

Ordering deadlines vary by product and vendor. Some products can ship M-Th if the order is in by noon M-W (EST) which then will ship the following day. To assure delivery, it is best to place orders one week in advance with orders being placed by 3 pm (EST) Tuesday/Wednesday with shipment the following week. Most vendors will ship on a Thursday or Friday. Contact GGSPro for assistance.



Amblyseius



Aphidoletes



Amblyseius



Aphelinus



Atheta/Dalotia



Chrysoperla



Diglyphus



Encarsia



Eretmocerus



Orius



Nematodes



Parasitic Wasp



Phytoseiulus



*Stratiolaelaps/
Hypoaspis*

Biological Control Agents (BCAs) - Info Chart



BCA Color Key

| | |
|--------|------------------------------------|
| Green | Aphid Control |
| Orange | Multiple Pest / Other Pest Control |
| Gold | Leafminers Control |
| Teal | Mealybugs Control |
| Red | Spider Mite Control |
| Lilac | Thrips Control |
| Blue | Whitefly Control |
| Yellow | Pollination |
| Grey | Supplementary Products |

| Target Pest | Control Agent |
|--|---|
| Aphids | <i>Aphelinus abdominalis</i> |
| | <i>Aphidius colemani</i> |
| | <i>Aphidius ervi</i> |
| | <i>Aphidius matricariae</i> |
| | <i>Aphidius colemani</i> 50%, <i>ervi</i> 50% |
| | <i>Aphelinus abdominalis</i> 50%, <i>Aphidius colemani</i> 25% and <i>A. ervi</i> 25% |
| | <i>Aphelinus abdominalis</i> 25%, <i>Aphidius colemani</i> 25%, <i>A. ervi</i> 25%, and <i>A. matricariae</i> 25% |
| | <i>Aphidoletes aphidimyza</i> |
| | <i>Adailia bipunctata</i> |
| | <i>Hippodamia convergens</i> |
| | <i>Rhopalosiphum padi</i> (prey aphids for <i>A. colemani</i>) |
| | <i>Acyrtosiphon pisum</i> (prey aphid for <i>A. ervi</i>) |
| | <i>Chrysoperla carnea</i> |
| | <i>Chrysoperla rufilabris</i> |
| Caterpillar/Moth Eggs | <i>Trichogramma</i> sp |
| Caterpillar/Moth Nymphs & Adults | <i>Podius maculiventris</i> |
| Fungus Gnats, Shoreflies, Thrips Pupae | (<i>Atheta coriaria</i>) <i>Dalotia coriaria</i> |
| | (<i>Hypoaspis miles</i>) <i>Stratiolaelaps scimitus</i> |
| | See Nematodes pages |
| | |
| Leafminers | <i>Diglyphus isaea</i> |
| | <i>Dacnusa sibirica</i> |
| Mealybugs | <i>Anagyrus vladimiri</i> (Available only in CA) |
| | <i>Cryptolaemus montrouzieri</i> |
| | <i>Chrysoperla carnea</i> |
| | <i>Chrysoperla rufilabris</i> |
| Spider Mites | <i>Amblyseius andersoni</i> |
| | <i>Amblyseius californicus</i> |
| | <i>Amblyseius fallacis</i> |
| | <i>Feltiella acarisuga</i> |
| | <i>P. persimilis</i> + <i>A. californicus</i> |
| | <i>Phytoseiulus persimilis</i> |
| | |
| Thrips | <i>Amblyseius cucumeris</i> |
| | <i>Orius insidiosus</i> |
| | <i>Amblyseius swirskii</i> |
| | <i>Atheta coriaria</i> (<i>Dalotia coriaria</i>) |
| | <i>Stratiolaelaps scimitus</i> (<i>Hypoaspis miles</i>) |
| | See Nematodes pages 360-362 |
| | |
| Whiteflies | <i>Encarsia formosa</i> |
| | <i>Encarsia formosa</i> & <i>Eretmocerus eremicus</i> |
| | <i>Eretmocerus eremicus</i> |
| Pollination | <i>Bombus impatiens</i> |
| Food Source <i>Orius</i> , <i>Dicyphus</i> & Lacewing (<i>Chrysoperla</i>) | <i>Ephestia kuehniella</i> |
| Food Source for <i>A. cucumeris</i> , <i>swirskii</i> & <i>Orius</i> | <i>Artemia</i> |
| Food Source for <i>Chrysoperla</i> (Lacewing larvae) | |
| Food Source for Predatory Mites | Typha pollen or <i>Carpoglyphus lactic</i> |
| Food Source for Predatory Mites; Control Agent is <i>Thyreophagus Entomophagus</i> | |
| European Pepper Moth Lure | |
| Western Flower Thrips Lure | |

| | | | | |
|-------------------------------------|----------------------------|--------------------|----------------|---------------|
| Aphelinus System | | Apheline | | |
| APHIDIUSforce™ C | BioAphidius | Aphiline | | |
| APHIDIUSforce™ E | BioErvi | Erville | | |
| APHIDIUSforce™ M | BioMatricariae | | | |
| APHIDIUSforce™ CE | | Aphiline Mix | | |
| | | Aphiline Veg | | |
| APHIDIUSforce™ Mix | | | | |
| APHIDOLETESforce™ | BioAphidoletes | Aphidoline | | |
| Adalia | | Adaline | | |
| | | | Ladybugs | |
| Aphid Banker Plants | Aphid Banker Plants | | | Banker Plants |
| | | | | Banker Plants |
| | BioLacewing | Chrysoline | | |
| CHRYSOforce™ R | | Chrysoline | Green Lacewing | |
| TRICHOforce™ B, M, PL and Mix | BioTricho B, M, O, and Mix | Tricholine TB & TP | | |
| TRICHOforce™ B, M, PL and Mix | BioTricho | Tricholine TB & TP | | |
| Predatory Soldier Bug | | Podiline | | |
| DALOTIAforce™ | BioAtheta | Staphyline | | |
| STRATIOforce™ | BioStratiolaelaps | Hypoline | | |
| | | | | |
| Diglyphus System | BioDiglyphus | Digline | | |
| Dacnusa System | | | | |
| Anagrus | BioAnagrus | | | |
| CRYPTOforce™ | BioCryptolaemus | Cryptoline | | |
| | BioLacewing | Chrysoline | | |
| CHRYSOforce™ R | | | Green Lacewing | |
| AMBLYforce™ A | BioAndersoni | Anderline | | |
| CALforce™ | BioCalifornicus | Californiline | | |
| | BioFallacis | | | |
| FELTIELLAforce™ | | Feltiline | | |
| | | PERCAL Mix | | |
| PERSIMILISforce™ | BioPersimilis/BioPersi+ | Phytoline | | |
| AMBLYforce™ C | BioCucumeris | Amblyline | | |
| ORIUSforce™ | BioOrius | Oriline | | |
| AMBLYforce™ S | BioSwirskii , + Artemia | STARSKII | | |
| DALOTIAforce™ | BioAtheta | Staphyline | | |
| STRATIOforce™ | BioStratiolaelaps | Hypoline | | |
| | | | | |
| ENCARSIAforce™ | BioEncarsia | Encarline | | |
| ENCAR/ERETforce™ | BioEncarsia/BioEretmoceris | Encarline Mix | | |
| ERETforce™ | BioEretmoceris | Eretline | | |
| Bombus impatiens | | | | |
| Epehstia Kuehniella/ NUTRIforce™ | | Bugfood E | | |
| | BioArtFeed BioFeedLine | | | |
| Wheast® | | | | |
| Nutrimite™ | BioCLFeed | | | |
| | | PREDAFIX PLUS | | |
| | | Dupoline PRO | | |
| | | Thripline Lure | | |

NEMATODES

Beneficial or Entomopathogenic nematodes are microscopic roundworms that are parasites of certain insects and can be used effectively as biological control agents (BCAs) in IPM programs. *Steinernematidae* and *Heterohabditidae* are frequently used families of nematodes since they target common greenhouse and nursery pests (fungus gnats and grubs). They are also a safe alternative to traditional pesticides with no personal protective equipment, or REI (restricted-entry interval), required.

Benefits of using nematodes include:

- Fast, effective, residual control.
- No re-entry requirements.
- No pest resistance problems.
- Compatible with other biological and IPM programs.
- Non-toxic. No need for protective clothing.

For a successful nematode application remember to:

- Ensure adequate soil moisture.
- Avoid high light (UV). Cloudy days are best.
- Use cool water, gentle agitation and aeration in stock tank.
- Remove any screens that are finer than 50 mesh.
- Do not tank mix in stock solution.

Agitation/Aeration Bucket

Dramm's Agitation/Aeration Bucket provides a thorough mixing of any solution. Perfect for use with an injector, the Agitation/Aeration Bucket can keep water soluble fertilizers, fungicides, insecticides and PGRs in suspension. With a flip of a switch, agitation turns to aeration. Air is introduced into the passing stream, keeping dissolved oxygen at saturation levels. Use this feature when agitating nematodes or other organisms requiring oxygen. 5 gallon capacity.

DRAMM

Item: 74-2686 100-120V AC #AAB120V
Item: 74-2687 12V/DC #AAB12V

Steinernema feltiae

Active Ingredient: *Steinernema feltiae*

Beneficial nematode for the control of fungus gnat larvae when applied as a drench. *S. feltiae* when used as the second part of a two part control plan helps kill Western flower thrips pupae and pre-pupae from a soil drench treatment. **Rate for fungus gnat larvae and thrips pupae:** 50 million nematodes treat 1,100 sq ft; 250 million nematodes treat 5,500 sq ft.

BASF
Nemasys



Item: 70-2460 Qty: 5 Trays 50 mil / tray
Item: 70-2489 Qty: 250 mil / tray

BENEFICIAL INSECTARY

NEMAforce™ SF



Item: 30F50 Qty: 1 tray 50 mil / tray
Item: 30F250 Qty: 1 tray 250 mil / tray
Item: 30F600 Qty: 600 mil 12 x 50 mil trays
Item: 30F5T Qty: 5 trays 250 mil / tray

BIOBEE

BioSF



Item: BB-0038 Qty: 50 million nematodes / bag
Item: BB-0035 Qty: 250 million nematodes / bag
Item: BB-0032 Qty: 500 million nematodes / bag

NemaPlus Depot

NemaPlus capsules need to be covered into top 0.25" media, not top dressed. The capsules will slowly release nematodes to target soil pests such as fungus gnat larvae and thrips pupae. The capsule is spherical, 0.4mm and is a liquid oil-water emulsion core and a spongy hydrogel outer shell.

Not OMRI

Depot 200

Item: BB-0056 Qty: 320K / 200 capsules / bag

Depot P

Item: BB-0071 Qty: 50 mil / 25k capsules / tray

BIOLINE

Exhibitline SF



Item: SB1011-01 Qty: 1 tray 50 mil / bag
Item: SB1011-02 Qty: 5 trays 50 mil / bag
Item: SB1011-04 Qty: 1 tray 250 mil / bag
Item: SB1011-03 Qty: 5 trays 250 mil / bag

BIOWORKS

NemaShield



Item: 70-6033 Qty: 100 million nematodes / cup
Item: 70-6030 Qty: 250 million nematodes / cup

Steinernema carpocapsaeActive Ingredient: *Steinernema carpocapsae*

Beneficial nematode for the control of shorefly larvae, soil dwelling insects and borer larvae. Labeled for use on ornamental and edible crops in greenhouses, interiorscapes, nursery, landscapes and turfgrass. **Rate for shorefly larvae:** 50 million nematodes treat 540-1,080 sq ft; 250 million treats 2,700-5,400 sq ft.

BASF
Millenium



Item: 70-2455 Qty: 5 trays 250 mil / tray

BENEFICIAL INSECTARY
NEMAforce™ SC



Item: 30C50 Qty: 1 tray 50 mil / tray
Item: 30C250 Qty: 1 tray 250 mil / tray
Item: 30C125B Qty: 1 tray 1.25 bil / tray
Item: 30C250M Qty: 10 x 250M

BIOBEE
BioSC



Item: BB-0039 Qty: 50 million nematodes / bag
Item: BB-0036 Qty: 250 million nematodes / bag
Item: BB-0033 Qty: 500 million nematodes / bag

BIOLINE
Exhibitline SC



Item: SB1012-02 Qty: 1 tray 50 mil / bag
Item: SB1012-01 Qty: 1 tray 250 mil / bag

Heterorhabditis bacteriophoraActive Ingredient: *Heterorhabditis bacteriophora*

Beneficial nematode for controlling the larvae of black vine weevil. It is also reported to control cutworms and white grubs. **Rate for Black Vine Weevil Larvae:** 50 million nematodes treat 540-1,080 sq ft and 250 million treats 2,700-5,400 sq ft depending on pressure. **Rate for grubs:** 50 million nematodes treats 1,000-2,000 sq ft and 250 million treats 5,000-10,000 sq ft depending on pressure.

BASF
Nemasys G



Item: 70-2495 Qty: 2 trays 250 mil / tray

BENEFICIAL INSECTARY



NEMAforce™ HB

Item: 30H50 Qty: 1 tray 50 mil / tray
Item: 30H250 Qty: 1 tray 250 mil / tray
Item: 30H500 Qty: 1 tray 500 mil / tray

BIOBEE
BioHB



Item: BB-0040 Qty: 50 million nematodes / bag
Item: BB-0037 Qty: 250 million nematodes / bag
Item: BB-0034 Qty: 500 million nematodes / bag

BIOLINE

Exhibitline HB



Item: SB1021-01 Qty: 50 million / bag
Item: SB1021-02 Qty: 250 million / bag

BIOWORKS

NemaShield HB



Item: 70-6035 Qty: 50 million nematodes / tray
Item: 70-6036 Qty: 500 million nematodes / tray
*2-3 wk lead time UPS next day air + freight

Steinernema krausseiActive Ingredient: *Steinernema kraussei*

Beneficial nematode for controlling the larval and pupal stages of the black vine weevil. Available in trays of 50 million or 250 million. **Rate for Black Vine Weevil Larvae:** 50 million treats 1,000 sq ft; 250 million treat 5,500 sq ft. Available in July-September.

BASF

Nemasys L



Item: 70-2475 Qty: 5 trays 250 mil / tray
10-14 day lead time for delivery.

BIOLINE

Nemasys L



OMRI Listed

Item: SB1014-02 Qty: 50 mil / bags
Item: SB1014-03 Qty: 250 mil / bags

BENEFICIAL INSECTARY

NEMAforce™ SK



Item: 30K250 Qty: 250 / tray

BCA Applicator Tools and Equipment

Release boxes Release Box

Item: SB8042-01

Qty: 50/bag



Release boxes Release Box

Item: 30URB

Qty: 50/bag



Release boxes Release Box

Item: BB-0028

Qty: 25/bag

Nutri-App Powder
Duster Attachment

Applicator tool to dispense Nutrimite. To be attached to a Makita blower (DUB1822) not included. For use with BCAs, do not exceed speed #2.

Item: 30NA300890

Qty: 1



BugFlow Unit

Applicator tool includes battery housing, strap, and manual. Blower and Makita battery, not included.

Item: BB-BF

Qty: 1



Sachet Bag

Biobee Sachet Bag for carrying sachets and tubes -call in for more information.

BioFeedLine Artemia
Feed Tape

Item: BB-0031

Qty: 328 ft. (100 meter) roll



Other sizes of Artemia available.

CROP PROTECTION-SPECIALTY —

Alesco®

CHRYSLAL

REI 4

Active Ingredient: Silver Nitrate

Alesco® is a unique post-harvest product to protect ethylene sensitive crops during shipping and retail display. Ethylene damage can be caused by transportation stress, dark storage, temperature fluctuations and external sources such as forklifts. This product is applied as a foliar spray to blooming plants that cover most of the growing area, ideally 1-2 days before shipping. Alesco remains effective for up to 3 weeks after treatment depending on the variety and environmental conditions. Benefits include: reducing flower petal shatter, bud abortion, leaf yellowing while extending flower longevity. A partial list of ethylene sensitive crops that benefit from an application of Alesco include: campanula, dahlia, dianthus, hibiscus, impatiens, lobelia, pansy, Pelargonium (geranium), petunia, rose, schlumbergera, and viola. **Foliar spray rates:** 3/4 tsp per gal or 12.8 fl oz per 100 gal. (1 container in 50 gal of water treats approximately 1 acre).

Item: 73-1160

Size: 200 ml.

Brandt Pesticide
Equipment Cleaner

BRANDT

Active Ingredient: Activated Carbon

Brandt Pesticide Equipment Cleaner will remove and deactivate residual pesticide contamination from storage tanks and spray equipment. Use before changing from one pesticide to another or before storing equipment. **Rates** range from 0.5-1.5 fl oz per gal. See label for specific instructions.

Item: 75-2510

Size: 1qt.

FloraLife Finishing Touch

oasis®
GROWER SOLUTIONS

Maximize the natural freshness of fresh cut flower bouquets, floral designs, evergreens, foliage and potted plants. Finishing Touch is a ready to use product for hydration and protection spray refreshes, hydrates, and protects with a simple and fast last step measure of insurance before any plant leaves the door. Provides ingredients vital to keeping flowers fresh and the color of petals and leaves vibrant. Prevents premature petal drop, dehydration, wilting and browning. Extends flower life an additional 1 to 5 days.

Item: 53-1112

Size: 30 gal.

LeafShine & Seal

CHRYSLAL

Reduces dehydration of potted plants such as azalea, chrysanthemum, and rose during transport and display in store. It gives leaves their natural gloss and keeps them dust-free which add to the visual appearance of plants. Rates: 1:20 (50 ml/L) - 1:40 (25 ml/L)

Item: 75-5010

Size: 1 liter

Item: 75-5015

Size: 200 liter

ANTI-TRANSPIRANTS

LeafShield



Active Ingredient: Paraffin, Oxidized Polyethylene, Ethoxylated Nonylphenol, Potassium Hydroxide

Locks moisture in the leaves and increases plant survival during transplanting and transporting, and protects against winter/summer desiccation. A wax emulsion that reduces moisture loss. **Rates:** Winter protection-1 part Leafshield to 15 parts water; transplant/transport protection-1 part Leafshield to 30 parts water.

Item: 75-4025 **Size:** 2.5 gal.

Wilt-Pruf



Active Ingredient: Pinolene

WILT-PRUF is an anti-transparent that protects against excessive moisture loss on a wide range of ornamentals including: evergreens, azaleas, boxwoods, laurels, hollies and many others. Key times that this protection are needed include transplanting during spring, summer and fall seasons. Winter protection is a key feature of WILT-PRUF as it protects plants from the desiccation caused by the cold and dry winds of the winter season. **Foliar Spray Rates:** Winter protection dilute at a rate of 1 gal per 5 gal of spray. For other uses the dilution 1 gal per 10 gal.

Item: 80380002 **Size:** 1 pt.

Item: 80380003 **Size:** 1 qt.

Item: 80380004 **Size:** 1 gal.

Item: 80380005* **Size:** 5 gal.

Item: 80380006* **Size:** 55 gal.

*These items are non-stock.

AQUATIC ALGAECIDE & HERBICIDE

Captain XTR



REI 0

Active Ingredient: Copper Ethanolamine Complex

Captain XTR is a chelated copper formulation of an aquatic algaecide/herbicide that controls a broad range of green and blue-green algae. It also works as an herbicide on submerged weed species with susceptibility to copper. Slow moving or quiescent water application sites include but are not limited to: freshwater lakes and ponds used for ornamental purposes, golf courses, irrigation and potable water reservoirs. The ethanolamines reduce the precipitation of copper in water that is high in carbonates and bicarbonates. **Rates** range from 0.6-3.0 gal per acre foot of water depending on variables such as time of year, water quality and target species. The label contains special instructions for use in moving water applications. **No Irrigation Restrictions.**

Item: 74-1555 **Size:** 2.5 gal.

SeClear



REI 0

Active Ingredient: Copper Sulfate Pentahydrate

SeClear is an algaecide and water quality enhancer. Listed aquatic sites include: ponds, lakes, reservoirs, irrigation and drainage canals and potable water sources. This product is effective in including: green, yellow/green and blue-green algae. Treated algae typically begin to show discoloration within a day and degrade over time. **Rates** range from 1-6.5 gal per acre foot based on species concentration of algae and other factors as detailed on the label. Water quality is improved by decreasing phosphorus concentrations through binding and precipitation of excess phosphorus, binding and precipitated suspended solids. **No Irrigation Restrictions.**

Item: 74-5500 **Size:** 2.5 gal.

CLEANERS

Eco-Clean For Maintenance of Irrigation Systems

Eco-Clean is a biocatalyst whose advanced technology maintains drip and sprinkler irrigation systems free of deposits. Systems that are already fouled should be cleaned with an appropriate shock treatment before the constant injection of Eco-Clean begins.

- Great for cleaning drip irrigation and lines
- Vegetable based liquid concentrate
- Non-toxic and non-hazardous
- Environmentally safe

1 gal of Eco-Clean treats 50,000 gal of water at the final dilution

| Gal of Stock Solution | 1:100 Ratio | 1:500 Ratio | 1:1000 Ratio |
|-----------------------|-------------|-------------|--------------|
| 1 | 0.25 fl oz | 1.25 fl oz | 2.5 fl oz |
| 30 | 7.6 fl oz | 38 fl oz | 76 fl oz |
| 50 | 12.8 fl oz | 64 fl oz | 1 gal |
| 100 | 25.6 fl oz | 1 gal | 2 gal |

Item: 74-1705 **Size:** 5 gal.

Item: 74-1730 **Size:** 30 gal.

Item: 74-1755 **Size:** 55 gal.

FloraLife Strip-It Cleaner



Strip-It Cleaner is an all-around cleaner for greenhouse structures and irrigation systems, water storage tanks and sunblock wash. This product is recommended for between crop cleaning of structures and irrigation systems to prepare them for treatment with an appropriate sanitizing agent. Florallife Strip-It is a specifically formulated combination of sulfuric acid and wetting agents that effectively removes whitewash coatings, organic sludge, heat-set, oil, dirt, calcium and other hard water deposits. **Rates:** Irrigation lines 1-3 fl oz per gal, Interior hard surfaces 4-5 fl oz per gal.

Item: 53-1109 **Size:** 1 gal.

GreenClean Acid Cleaner



Blend of mineral acids and wetting agents that quickly removes greenhouse whitewash, organic deposits, calcium and other hard mineral deposits. Areas of use include: structures and equipment, walkways, coverings, floors and piping. GreenClean acid cleaner can be applied by spray, mop or brush at a **rate** of 3-8 fl oz per gal. Irrigation piping- Inject undiluted at 1:50 to fill the lines, let sit for 8 hours, flush with plenty of water.

Item: 74-2040 **Size:** 5 gal.

GreenClean Alkaline Cleaner



Removes organic and greasy deposits with non-corrosive self-foaming cleaner. Use for structures, tools, and surfaces including soft metals and food handling areas. Rates range from 4-8 oz per gal.

Item: 74-2045 **Size:** 5 gal.

AgH PRO



AgH PRO is a high foaming, multi-purpose, non corrosive alkaline cleaner. Safe to use for indoor and outdoor areas such as around growing spaces, storage facilities, and packing houses. Dissolves dust, debris, algae, and organic material on production tools and equipment. AgH PRO is designed to meet the highest food plant and greenhouse grower sanitation standards and is environmentally friendly. **Rates:** Use 5-7.5 fl oz per gal for hard surface cleaning.

Item: 74-2100 **Size:** 2.5 gal.



GGSPRO TIP AGH PRO CLEANER

Coming in as a replacement for Horti-Klor, AgH PRO, a new alkaline-based cleaner, is environmentally and equipment-friendly. This cleaner is designed to dislodge organic material including algae from hard surfaces within storage facilities, greenhouses, nurseries, and food processing areas. This is a great cleaning product for reducing cross-contamination and prolonging the operational function of tools used in both ornamental and edible operations.

GGSPRO TIP STRIP-IT PRO

Strip-It PRO is an effective solution for deep cleaning outdoor and greenhouse growing areas as well as irrigation lines between crop cycles. Its foaming action helps dislodge compacted soil, remove algae stains, and clean both vertical and horizontal surfaces. Safe for use on all greenhouse surfaces, it allows for cleaning under benches and walkways without harmful fumes that could damage crops. Strip-It PRO can also be safely injected into irrigation systems to thoroughly clean lines and emitters, promoting a healthier start for new crops.

Strip-It PRO



A powerful combination of cleaning and wetting agents that effectively remove whitewash coatings, algae, dirt, calcium and other hard water deposits. Strip-It PRO's intensified scrubbing action will dislodge compacted organic debris and mineral deposits for easy removal with a high pressure hose. Do not allow Strip-It PRO to dry or surface etching may result. Strip-It PRO can be safely used on aluminium, copper, galvanized steel, glass, plastics, fiberglass and concrete and will not harm the greenhouse structure or horticultural equipment. Strip-It PRO can safely be used to clean under benches with no harmful fumes. **Rates:** Direct inject at 1:50, no plants present or treat at 2.5 fl oz per gal for irrigation line cleaning, use 5 fl oz per gal for hard surface cleaning.

Item: 74-2123 **Size:** 2.5 gal.

Item: 74-21230 **Size:** 30 gal.

Item: 74-21255 **Size:** 55 gal.

DISINFECTANTS

GreenClean PRO



REI 1

Active Ingredient: Sodium Carbonate Peroxyhydrate

A broad spectrum granular algaecide/fungicide. Kills algae on contact with its powerful oxidation reaction and is labeled for use in lakes, ponds, and large bodies of water, as well as on non-painted surfaces like benches and walkways. Irrigation water can be used without interruption after treatment. NSF/ANSI Standard 60 certified for drinking water. **Rates:** 1-2 lb per 1,000 sq ft or 0.5 lb per gal. **OMRI listed. Restricted use in CT & NY.**

Item: 74-20521 **Size:** 50 lb.

Active ingredient: Didecyltrimethylammonium Chloride

Kleengrow is a 4th generation DDAC sanitizing agent for the control of algae, bacteria and viruses on hard surfaces. The EPA has approved the use of Kleengrow as a disinfectant for the human coronavirus. Kleengrow is non-corrosive and has up to 30 days of residual control. To ensure optimum results use after cleaning surfaces with Strip-It Pro or HORTI-Klor. **Rate:** Refer to label for dilution rates for specific applications. Kleengrow is also labeled as a fungicide/bactericide for many ornamental crops where it carries a *48 hr REI. Please see pg. 333 in the Fungicide Section for more information. Product can safely be used to disinfect greenhouse structures, floors, benches, cool pads, irrigation lines, plastic pots/ trays, tools, coolers, and footbaths.

Item: 74-21125 **Size:** 2.5 gal.
Item: 74-21301 **Size:** 30 gal.
Item: 74-21302 **Size:** 55 gal.

SaniDate 5.0**Active Ingredient: Hydrogen Dioxide & Peracetic Acid**

This powerful sanitizing agent controls algae and many water-borne pathogens in irrigation water and on many hard surfaces. Not for use over the crop. The EPA has approved the use of SaniDate 5.0 as a disinfectant for the human coronavirus. Labeled for use in all types of irrigation systems, industrial, and commercial water systems, and evaporative coolers. Helps add dissolved oxygen to the water and does not off-gas. Effective at any pH level. Label includes instructions for fruit and vegetable wash. **OMRI listed.**

Item: 71-35001 **Size:** 2.5 gal.
Item - CA Only: 71-35001-CA **Size:** 2.5 gal.
Item: 71-35101 **Size:** 5 gal.
Item: 71-35151 **Size:** 30 gal.
Item - CA Only: 71-35151-CA **Size:** 30 gal.

SaniDate 12.0

REI 1

Active Ingredient: Hydrogen Dioxide & Peracetic Acid

This powerful sanitizing agent controls algae and many waterborne pathogens in irrigation water and on many hard surfaces. Labeled for use in all types of irrigation systems, industrial and commercial water systems, and evaporative coolers and may be used over the crop. Helps add dissolved oxygen to the water and does not off-gas. Effective at any pH level. **OMRI listed.** Larger sizes available.

Item: 71-3530-CA **Size:** 5 gal.
Item: 71-35351 **Size:** 30 gal.

SaniDate Sanitizing Wipes**Active Ingredient: Hydrogen Peroxide**

Hard surface sanitizer- Activated peroxide sanitizer in a premoistened wipe.

Item: 80670009**Size:** 125 count**ZeroTol 2.0****Listed under Fungicides page 334**

REI 1

BioFoamer

Foaming agent that can be used in a wide variety of foaming equipment. Creates a thick foam that can be regulated by changing the rates. For most equipment add 1-4 fl oz of BioFoamer for every gal of solution to be foamed.

Item: 74-1360 **Size:** 5 gal.**HydroFoamer #481****For use with Pace 49 products.**

The HydroFoamer's unique injection concept mixes the proper amount of concentrate with both air and water to produce a thick, rich foam for longer soak time. Capacity: 96 oz (2.8 liters).

Item: 74-2103**Compression Foamer
Hand Pressurized, 8L Tank**

Disinfecting your greenhouse is the first step in healthy production. Foam improves disinfection by increasing contact time for the disinfectant on the surface. A rich foam can even stick to vertical surfaces. Dramm has developed the FOAM8L to improve foaming at a low cost. Like a compression sprayer, the FOAM8L is pumped full of air to pressurize the solution tank. The unique feature of the FOAM8L is that this compressed air is also mixed with the solution at the nozzle to produce an air-rich foam that lasts.

See the FM20 Foamer on pg. 379.

Item: 74-2688**DRAMM**

WATER & MEDIA SURFACTANTS

Aqua-Gro L with
PsiMatrix Technology

AquaGro L with PsiMatrix Technology was developed specifically to overcome water repellency in soilless mixes so they perform at full capacity from the start of production until the plants are shipped out the door. University research has proven and grower experience has verified that plants thrive when AquaGro L is consistently applied throughout production.

Benefits include: Overcoming the mix's inability to wet uniformly, more efficient and profitable crop production, improving plant vigor, saving water and money and better plant survival at retail.

Rates during production:

Inject 10 ppm ($\frac{1}{8}$ fl oz per 100 gal. of water) in every irrigation or
Inject 100 ppm ($1\frac{1}{4}$ fl oz per 100 gal. of water) weekly or
Inject 600 ppm ($7\frac{3}{8}$ fl oz per 100 gal. of water) every 4 weeks.

Item: 74-1348 **Size:** 2.5 gal.

Item: 3104955M **Size:** 55 gal.

Aqua-Gro 2000G



AquaGro 2000 G media surfactant helps you overcome water repellency and control the moisture in your mix. It blends easily in all types of mixes and allows water to flow uniformly. Ensure the wettability of your mix with AquaGro 2000 G.

Benefits include: Fast initial wetting, faster, more uniform water distribution, optimizes air to water ratios and gets plants established quickly.

Rates: Preparation of plug or propagation media: Apply $\frac{1}{2}$ pound per cubic yard of mix. Preparation of flats, pots, hanging baskets, and nursery container mixes: Apply 1 pound per cubic yard of mix.

Item: 74-1249 **Size:** 120 lb.

CapSil

**Active Ingredient: Polyether Modified Polysiloxane**

CapSil is a unique organo-silicone surfactant that increases spray droplet coverage by breaking surface tension. Most pesticides perform better, and visible residue from wettable powders is noticeably reduced. Do not use with pesticides that already contain a surfactant. Research has shown that CapSil can be used to decrease water stress and hasten rooting in many unrooted cuttings. **Rate:** $\frac{1}{4}$ - $\frac{1}{2}$ tsp per gal or 4-8 fl oz per 100 gal. **OMRI listed.**

Item: 74-1541 **Size:** 1 gal.

H2Pro



H2Pro™ Greenhouse & Nursery surfactant optimizes soilless media water-holding capacity, decreases irrigation frequency, reduces or eliminates dry spots, and helps prevent wilting both in production and post-production.

It comes in both liquid and granular formulations allowing the user to choose the one that best fits their operation.

It can be applied during soil blending, or any time during production, right up through shipping. At high rates, H2Pro Greenhouse and Nursery's rewetting ability can continue for as long as a year - long enough for the entire production cycle - and right through the retail environment for many crops.

Item: 74-1418 **Size:** 50 lb. granular

Item: 74-1424 **Size:** 2.5 gal. liquid

Item: 74-1422 **Size:** 1 l. liquid

Nu-Film P Spreader

Active Ingredient: Poly-1-p-Menthene

Nu-Film P is a non-ionic spreader-sticker agent designed for use with most pesticides. It forms a sticky, elastic film holding pesticides on crop foliage. **Rate:** $\frac{1}{4}$ - $\frac{1}{3}$ tsp per gal or 4-6 fl oz per 100 gal. **OMRI listed.**

Item: 74-2960 **Size:** 1 gal.

Organics Ag Aide

**Active Ingredient: Yucca schidigera**

Non-ionic, organic wetting agent for use with media. Organics Ag Aide composed of 100% extract will improve wetting in both soil-based and soilless media. **Drench rates:** Initial, one-time application at 16 fl oz per 100 gal. Weekly pulse at 1-1.5 fl oz per 100 gal. May also be used as a foliar spreader with most pesticides. **Surfactant spray rates:** $\frac{1}{4}$ -1 tsp per gal or 4-16 fl oz per 100 gal. **OMRI listed.**

Item: 74-1379 **Size:** 1 gal.

Soil Moist Granular



A synthetic acrylic copolymer developed to reduce the amount of water needed to maintain vigorous plants. When mixed in the soil the crystals will soften and swell as water is added and absorbed. When the potting system dries, the polymer will release its water to the plant. Soil moist acts as a water reservoir, even during periods of drought the stored water is released to the plant. The expansion and retraction of the polymer during the watering cycle helps soil aeration.

- Reduces plant watering by 50%
- Reduces soil compaction
- Lasts for several seasons

Item: 74-2336 **Size:** 8 lb.
Item: 74-2346 **Size:** 50 lb.

UpTake PRO



Active Ingredient: Didecylidimethylammonium Chloride

UpTake is a biodegradable, soil adjuvant/wetting agent/surfactant, designed to improve the performance of fertilizer programs and pesticide activity when added through drip-irrigation systems. UpTake should not be tank mixed in concentrated stock tank solutions with fertilizer but can be tank mixed with most pesticides in either stock tank or spray solutions. This versatile formulation acts as a penetrant, spreader sticker, and wetting agent that will help increase the performance of a companion product, as well as penetration of water through growing media, resulting in improved root growth and plant quality. **Foliar Spray Rates:** 1/8-1/2 tsp per gal or 6-25 fl oz per 100 gal as a spray adjuvant. **Drench Rates:** 1-2 tsp per gal or 0.4-1.2 fl oz per 100 gal as a soil adjuvant/wetting agent.

Item: 74-21261 **Size:** 2.5 gal.
Item: 74-21271 **Size:** 30 gal.
Item: 74-21291 **Size:** 55 gal.

RODENTICIDE

Eaton's Bait Blocks

Active Ingredient: Diphacinone

For use in wet and dry areas. Specially formulated with a blend of favorite foods and grains of rats and mice. Mold and moisture resistant and stays palatable to rodents.

Item: E779A **Desc:** 9 lb Apple Flavor (144- 1 oz)
Item: E779PBM **Desc:** 9 lb Peanut Butter Flavor (144- 1 oz)

SPRAY AIDS

Indicate 5

BRANDT

Easy to read color change makes it easy to adjust spray water to the optimum pH for maximum pesticide performance. Prevents alkaline hydrolysis, neutralizes dissolved salts, and adds a surfactant to improve spreading of the spray material while reducing visible residue. Optimum spray water pH varies by product. Request a copy of the GGSPRO bulletin "Optimum Spray Water pH"

Item: 31705 **Size:** 1 gal.

Defoamer

BRANDT

Active Ingredient: Polydimethylsiloxane

Defoamer is formulated to prevent excessive foaming that can occur in spray tanks with certain pesticides. It can also be used as a defoaming agent if foaming has already occurred. **Rates** range from 1/2-2 fl oz per 100 gal depending on the foaming characteristics of the pesticides being used. In rare cases, higher rates may be required, but rates should never exceed 5% of the spray volume. Always test for compatibility when making new combinations.

Item: 75-2499 **Size:** 1 qt.

CROP PROTECTION ACCESSORIES

Chemical Measuring Kit

The AXIOM® Measuring Kit for oz and ml includes all three containers consisting of 4 oz, 8 oz, 32 oz.

Item: 40-4180



BioSafe Equipment

Item: 41-9007

Description: Self-venting Spigot for 2.5 and 5 gal containers

Item: 41-9016

Description: EZI Pump Drum with measuring cup for 30 and 55 gallon containers

CROP PROTECTION ACCESSORIES

Sensor Monitor Card

New Sensor Monitoring Cards the cards you have depended on for years have drastically improved. The new Sensor glue will not stick to your hands. The trap is as dependable as ever with 1" grid printed on each card to help you determine the magnitude of your infestation.



- Item:** 74-36705 Yellow 3 x 5" Cards - Moisture Resistant (Qty 50)
Item: 74-3650 11" Card Wire Stakes (Qty 100)

Insect Monitoring Sticky Cards



Yellow sticky cards are widely used in scouting/monitoring programs to attract and capture the adult life stage of greenhouse insect pests including fungus gnats, leafminers, shore flies, western flower thrips and whiteflies.

- Item:** SB8051-01 **Description:** Yellow 10 pack
Item: SB8051-03 **Description:** Yellow 20 pack
Item: SB8052-11 **Description:** Blue 10 Pack
Item: SB8052-03 **Description:** Blue 20 pack
Item: SB8052-02 **Description:** Blue 36 pack
Item: SB8061-01 **Description:** Blue 10 pack with pheromone lure for Western Flower Thrips

Insect Monitoring Sticky Cards



These cards will trap the adult stages of flying insects. BioWorks' unique 2-sided (yellow / blue) design allows you to trap a wider variety of the most common plant-damaging insects (yellow for aphids, whitefly, fungus gnats, etc. and blue for thrips).



- Item:** 74-3668 **Description:** 10 pack 4"x5"

Sticky-Trap Roll



- Item:** 74-12300 Yellow 12" x 300'
Item: 74-12300B Blue 12" x 300'
Item: 74-61500 Yellow 6" x 1500'
Item: 74-61500B Blue 6" x 1500'
Item: SB8051-05 Yellow 5.9" x 328'
Item: SB8052-05 Blue 5.9" x 328'
Item: SB8052-15 Blue 5.9" x 328' w/ Pheromone - 2 per cs

Sticky Roll Clips

- Item:** 30BSRCLIPS (Qty 150)

Bug-Scan Rolls and Cards



A yellow sticky plate made of durable, recyclable plastic with glue on both sides. Commonly used tool for the timely detection of a new infestation and for monitoring the population size of pests already present. Attracts the most harmful flying insects, such as whitefly, fungus gnats, aphids and leafminers.

- Item:** 30BSY25X10 **Description:** 25cm x 10cm, 20 pack
Item: 30BSY5X4 **Description:** 12.5cm x 10cm card, 100 pack
Item: 30BSRY30X100 **Description:** 30cm X 100m yellow roll
Item: 30BSRY30X125 **Description:** 15cm X 125m yellow roll, 2 pack

EMPLOYEE PROTECTION SIGNAGE



14" x 16" Signs

This EPA-approved reusable sign has correct legend and size.

- Item:** 41-1124



Small Signs

Approved for individual potted plants, greenhouse benches and certain nursery situations. These reusable 5" x 5" signs come with 16" PVC stake. Place no more than 25' apart.

- Item:** 41-1123



14" Pesticide Storage Sign

Mount this sign where pesticides are being stored

- UV resistant ink
- 0.030 gauge polyethylene

- Item:** 41-5026

Central Posting Kit

Handy for fulfilling WPS central posting requirements. Kit contains one of each of the following:

- Emergency Medical Facility Sign 10"x12" 0.050 Plastic
- Pesticide Safety Poster 23"x35" Full Color
- Pesticide Application Posting Tablet - 50 Sheets, 8½" x 11"
- EPA How to Comply booklet



- Item:** 41-5025

THE REBATE RIPPLE EFFECT

ONLY WITH GREENTRUST® 365

Start with the **ENHANCED Double Up Bonus** featuring **Mainspring® Xtra**, our **LATEST dual-ingredient insecticide**, and watch your savings just keep on going.



ENHANCED
Double Up Bonus



GT Bonus
Booster



Multipaks



Yearlong
Rebates



Calculate your full wave of savings, especially in OCTOBER at
GreenTrust365.com/Calculators



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Pradia[®]
Insecticide

Pradia solves your
insect puzzle.



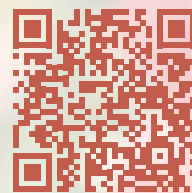
Pradia is a trademark of OHP, Inc.



Pradia[®] is a combination product developed to control a wide variety of sucking and chewing pests on ornamental and nursery crops. Pradia delivers a quick knockdown and excellent long-term control on aphids, thrips, whitefly and scale.

ohp | Partners
with
solutions
An American Vanguard Company

PROTECTIVE EQUIPMENT & SPRAYERS



Respiratory Protection

Honeywell

Half Mask Paint & Insecticide Respirator

- OV/R95 paint spray & pesticide respirator with organic vapor cartridges & R95 pre-filters
- Soft & comfortable, non-allergenic, elastomeric blend facepiece provides excellent fit
- Contoured sealing flange eliminates pressure point on face - fits wide range of facial types
- Provides protection against most paints and pesticides



Item: 80-1150

North® RU6500 Silicone Full Facepiece

- Polycarbonate lens with 200° field of vision that meets ANSI requirements for high impact
- Silicone nose cup offers a soft, comfortable fit ideal for all day use
- Deeper threaded cartridge connector virtually eliminates accidental disconnections and worker exposure to contaminants
- Wide viewing area for distortion-free visibility and optical clarity



Item: 80-1125

Honeywell

Multi-Purpose Cartridge P100 Filter

Organic vapor, acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide, hydrogen fluoride, chlorine dioxide), ammonia, methylamine, formaldehyde and P100 cartridge/filter combination (Pair)



Item: 80-1152 Qty: 2



KASCO
RESPIRATORY PROTECTIVE DEVICES

Protective Helmet

Kasco has the right system to protect you against pesticides, dust or any other hazardous chemicals that you might encounter. Kasco helmets can also be utilized to increase worker contentment in atmospheres that are particularly odorous or irritating.

All helmets are triple inspected at the factory, sealed and are covered by a 12 month limited warranty.

WARNING: Do not use KASCO helmets with fumigants. Do not use them in manure pits, silos, or any atmosphere where oxygen may be less than 19.5%.

| Item | Description |
|------------|---|
| 80-1535* | Professional 88 Kasco Protective Helmet (Battery charger sold separately) |
| 80-1533 | ZA1P3 Kasco Filter for Professional 88 Protective Helmet |
| 80-1538* | NC9-2 Battery Charger for Kasco Professional 88 Helmet |
| 80-1540* | #K80S-T8N(G) Kasco Protective Helmet |
| 80-1531 | Kasco ZA2P3 Filter for Protective Helmet #K80S-T8N |
| 80-1525* | T5T8 Kasco 6v/6a Battery (2 prong) |
| 58-103320* | Kasco Blue Collar/Band #309038 w/drawstring for K80S Helmet |

*These products are drop ship only.

Honeywell

Protection

Nuisance Dust Masks

Provides relief from nuisance level dust



| Item | Vendor | Qty |
|---------|-----------|----------------|
| 80-1225 | RWS-54001 | Boxed (50/box) |



A20 Breathable Particle Protection Coveralls

Made from strong, breathable, three-layer SMS fabric designed to reduce heat stress and enhance worker comfort and productivity. Offers protection against many fine dusts, fibers, and low surface tension liquid splashes. California's Department of Pesticide Regulation, a division of the state EPA, has approved KLEENGUARD® coveralls for pesticide application. Meets basic coverall requirements.

- Breathable
- Allows sweat and moisture vapor to escape
- Resistant to dry particles
- Repels liquid splashes and sprays
- Anti-static
- Denim Blue
- Zipper front, elastic back, wrists, ankles, hood

Typical Uses:

Laboratories; Decontamination modesty garment; Remediation; Pesticides; Heavy dust environments

| Item | Vendor | Size |
|---------|--------|------------------|
| 80-2171 | 58512 | Medium (36-40) |
| 80-2172 | 58513 | Large (37-43) |
| 80-2173 | 58514 | X-Large (44-45) |
| 80-2174 | 58515 | XX-Large (46-54) |



2025

A70 Chemical Spray Protection Coveralls

Made from a polyethylene-coated fabric that's lightweight and resistant to many water-based liquids, liquid chemical splashes and sprays. REPEL® coveralls pass ASTM F903 penetration testing for the wide range of liquid chemicals represented by ASTM F1001. California's Department of Pesticide Regulation, a division of the state EPA, has approved REPEL® coveralls as chemical protection in pesticide applications. Meets chemical resistant category.

- Resistant to dry particles
- Repels liquid splashes and sprays
- Resistant to many liquid and dry particulate chemicals
- Anti-static
- Zipper front, storm flap

Typical Uses:

General protection and splash exposure chemical applications such as agricultural mixing and spraying, acid/caustic splash.

| Item | Vendor | Size |
|---------|--------|------------------|
| 80-2372 | 45422 | Medium (36-40) |
| 80-2373 | 45423 | Large (37-43) |
| 80-2374 | 45424 | X-Large (44-45) |
| 80-2375 | 45425 | XX-Large (46-54) |



Kleenguard Protection

Only Kleenguard offers protection plus cloth-like comfort.

2025

Vinyl Gloves (A)

Powder Free. 100 per dispenser box.

| Item | Size |
|----------------------------------|--------|
| Powder Free - 100 per box | |
| 80-5380 | Small |
| 80-5382 | Medium |
| 80-5384 | Large |

Deluxe Safety Glasses (B)

Superior comfort and style that fits over prescription glasses.

- Adjustable, padded temples and soft browguard.
- FogArmor™ enhanced anti-fog coating
- 99.9% UV protection

Item: S24597

Cruze Safety Glasses (C)

Ultra-soft, flexible seal conforms to face.

- Protects against impact and chemical splash.
- Indirect vent
- FogArmor™ enhanced anti-fog coating.
- Anti-scratch lens
- 99.9% UV protection

Item: S22179



Hozelock P2 2.5 Pint Pump-up Pressure Sprayer w/Viton seals (B)

Heavy duty industrial sprayer for the application of aggressive chemicals. A stainless steel pump rod – with a thicker bottle for durability. Equipped with Viton fluoroelastomer seals that are 4x stronger than general seals

- Simple to operate - simply pump, lock and spray
- Adjustable nozzle from jet to mist
- Anti-theft nozzle
- Sprayer Type: Pressure
- Capacity: 1.25L

Item: 942P2

DRAMM



The FM20 Foamer

Uses compressed air (not included) to propel and create a rich, aerated foam for the application of disinfectants. When connected to a compressor, the FM20 can throw a foam up to 15 feet, providing excellent coverage and a persistent foam. Unlike siphon-based foamers and hose-end equipment that create suds, a foam created with compressed air is much richer and will last on surfaces longer. Compressed air foams adhere to vertical surfaces well, allowing for better disinfection. The FM20 is available with our standard, solid rubber wheel package or the BigFoot Upgrade. Larger sizes and hose lengths available.

Drop Ship Only

Item: 74-2689

DRAMM



MSO Pro (B)

The MSO Pro improves on the popular MS20-100 Sprayer by adding a separate bypass system and a pressure gauge for better spray accuracy.

The MS20-100 already includes pro features like the Dramm Convex reel that prevents hose bird-nesting, the BlueFlex hose that is durable but flexible, our Stainless Steel, water-stop quick connect and our maneuverable and portable 20 gallon cart/tank.

Our unique agitation system combines a 4 gpm pump with our vertical agitation bar. With nozzles positioned to sweep the bottom the tank, solution is mixed vertically, preventing settling at the bottom of the tank while reducing vortexing.

Drop Ship Only

Item: 41-12101PRO

Hydra Sprayer (C)

- High volume hydraulic sprayer
- Applies most chemical formulations
- Variety of droplet sizes and spray distances
- 115 volts or 220 volts 60 HZ
- Bigfoot Option available for variable terrain
- Dedicated agitation

Specs

- | | |
|---|---|
| • Chemical Tank Volume: 50 Gallons | • Pump HP: 1.5 hp electric |
| • Chemical Output Rate: Up to 3.8 gpm | • Hose Length: 150', 200', 250' |
| • Maximum Pressure: Up to 500 psi | • Dimensions: 26" wide |
| | • Shipping Weight: 315 lb. |

CRF (corrosive resistant fittings) package available

Drop Ship Only. Contact Griffin for Hydra sprayer options and packages.

Heavy Duty Sprayer Model MSO (A)

- Multi-purpose hydraulic sprayer
- Applies most chemical formulations
- Corrosion-resistant pump
- 120 Volts 60 HZ
- 20 gallon solution tank
- Powder coated cart
- 20½" wide with rubber wheels
(Big foot option available for variable terrain)
- Hose Reel (Hose lengths 33', 100', 150')
- Trigger Gun

Specs

- | | |
|---|--|
| • Chemical Output Rate: Up to 0.5 gpm | • Drive system: Direct drive |
| • Maximum Pressure: Up to 500 psi | • Cord Length: 8 ft. |
| • Compressor HP: ¼ hp electric | • Spray Distance: Stream: 20; mist 10' |
| | • Shipping Weight: 28 lb. |

Drop Ship Only

Item: 41-1210 **Desc:** MSO Spray 33' Hose
Item: 41-12101 **Desc:** MSO Spray 100' Hose

Spray Trax Sprayer (D)

The Dramm Hydra SprayTrax™ is a high volume hydraulic sprayer capable of performing a variety of tasks. The Hydra™ is perfect for the application of insecticides, fungicides, growth regulators, fertilizers, disinfectants and other chemicals. With a maximum pump output of 7 gallons per minute, the Hydra SprayTrax offers enough volume to utilize a choice of guns, drench, and agitate the tank simultaneously. The pump has a maximum operating pressure of 550 psi with a fully adjustable regulator, allowing for flexibility in choice of spray pattern, droplets and distances. CRF (corrosion resistant fittings) package available.

50 gallon, 100 gallon and 200 gallon sprayers available.

Drop Ship Only

MLVH Mini AutoFog™ (A)

- Automatic chemical application
- Drastically reduce labor costs
- Low volume spraying
- Treats up to 3,000 sq. ft.
- Treats 5,000 sq. ft. with additional fans
- 120 Volts 60 HZ

Specs

- **Chemical Tank Volume:** 8 liters
- **Chemical Output Rate:** 45cc/min
- **System Rated Load:** 12.3 amp
- **Compressor HP:** ¾ hp
- **Compressor Output:** 2.43 CFM @ 21 PSI
- **Cord Length:** 4 ft.
- **Dimensions:** 10" wide
- **Shipping Weight:** 83 lb.

Optional Stainless Steel Nozzle for use with Oxidizers.

Drop Ship Only

Item: 41-1200



AutoFog™ SLVH & LVH Models (B)

- Automatic chemical application
- Low volume spraying
- Separates for portable use

Specs

| Category | SLVH20A | LVH20A |
|--------------------------------|------------------------------|-----------------------------|
| Standard Coverage Area: | Up to 12,000 sqft | Up to 30,000 sqft |
| Coverage with HAF Fans: | Up to 28,000 sqft | Up to 70,000 sqft |
| Power: | 120 Volt, 60 hz single phase | 240 Volt, 60hz single phase |
| Chemical Tank Volume: | 7 liters | 14 liters |
| Chemical Output Rate: | 45cc/min | 55cc/min |
| System Rated Load: | 11.1 amp | 8 amp |
| Compressor Horsepower: | 3/4 hp | 1 hp |
| Compressor Output Rate: | 2.43 CFM@ 21 PSI | 4.06 CFM@ 28.5 PSI |
| Hose & Cord Length: | 33 ft | 100 ft |
| Dimensions: | 18.25" wide | 18.25" wide |
| Shipping Weight: | 156 lbs. | 187 lbs. |

| Item | Description | Optional Stainless Steel Nozzle for use with Oxidizers. |
|------------|-----------------|---|
| 62-6003251 | SLVH Auto Fog | |
| 62-6003201 | LVH-20A Autofog | |

Drop Ship Only

CF20 ColdFogger™ (C)

The CF20 Coldfogger Low Volume Sprayer can treat up to 70,000 sq. ft. in 70 minutes of spray time.

The CF20 uses a 3,000 PSI pump to create a much finer spray than standard hydraulic sprayers. This 40µ spray cloud covers more surface area while the high pressure propels the spray deep into the canopy, ensuring even coverage on all surfaces.

The CF20 comes standard with 150 feet of high-pressure hose on our convex reel. Both shorter and longer lengths are available. A separate agitation pump helps prime the spray pump and keeps even stubborn powders in solution.

50 gal/300' hose available.

Specs

- **Tank size:** 20 gallons / 72 liters
- **Hose length:** 150' w/quick connect
- **Motor:** 110 v 60 HZ 10 amp
- **Maximum Pressure:** 3,000 psi
- **Pump Type:** High pressure, diaphragm
- Treat 1,000 sq. ft. in 1 minute
- 40µ VMD sized droplets cover all surfaces
- 3,000 PSI propels the fine droplets deep into the canopy
- Extremely even coverage

Item: 41-1488

Drop Ship Only

DRAMM



A



B



C

Chemdose™ 2 (B)

The Dramm CD2 Chemdose is the next generation in precision dosing technology. Designed for use with a hydraulic sprayer or a chemical injector, the CD2 precisely measures each dose from any source below 100 PSI and applies it directly to the pot. Eliminating the limitations of power and hose-length constraints, the CD2 is powered by a rechargeable battery. It can either be worn or mounted on a small cart, making the unit extremely portable. Perfect for the application of systemic insecticides or plant growth regulators.

Drop Ship Only

Contact Griffin for more information.

CD-120 ChemDose™ (A)

- Apply exact doses directly to root zone
- Apply all formulations of chemicals
- Variable precision output: 10ml-90ml
- Variable interval between dosing
- Dosing cycle counter
- 3 wand lengths: 16", 30", and 38" for bench, ground or hanging baskets

Specs

- **Tank Volume:** 20 gallons
- **Accuracy:** +/-1ml per cycle
- **Power Supply:** 12V DC; rechargeable
- **Hose Length:** 25 ft.
- **Dimensions:** 20½" wide
- **Shipping Weight:** 102 lb.

Drop Ship Only

Item: 41-1195

Turbo ULV – Hybrid Sprayer/Fogger (C)

The Turbo ULV – Hybrid Sprayer/Fogger is an electrically powered, pneumatic cold-fogger. Its high-performance turbine creates a powerful, warm flow of air that atomizes and propels the fog up to 75 feet, depending on the nozzle and particle size. The output and droplet size of the Turbo Hybrid may be altered by changing the nozzle for a variety of applications and results.

The Turbo Hybrid is perfect for the directed application of pesticides, fungicides and disinfectants, including corrosive chemicals. Because the unit is a cold fogger, the Turbo ULV is ideal for the application of bio-rational products. For best operation, the Turbo Hybrid requires the use of a carrier solution to help with particle atomization.

The Turbo ULV is a directed, low volume sprayer with a forceful spray with fine droplets that will penetrate the canopy but won't damage plant material.

Drop Ship Only

Contact Griffin for more information.

DRAMM



BP-4Li Rechargeable Backpack Sprayer (A)

Rechargeable, battery-powered sprayer that fits comfortably on your back. Operating at a maximum pressure of 150 psi, the BP-4 offers an adjustable pressure knob for flexibility in spraying. Using the high-pressure setting, the BP-4 atomizes spray solutions better than other backpack sprayers, ensuring excellent coverage. The battery-operated pump ensures even flow rates, perfect for even application of plant growth regulators, insecticides, fungicides, herbicides and other greenhouse chemicals. The BP-4 can run for up to 1 hour on a full charge and recharges in 4 hours. The 4 gallon tank capacity is just the right size. Perfect for spot treatments or concentrated applications, but small enough to still be comfortable to wear.

Specs

- **Tank Capacity:** 4 gallons
- **Power Supply:** Battery - 6V 3.0 Ah
- **Continuous spray time:** 1 hr
- **Weight empty:** 11 lbs.

Drop Ship Only

Item: 62-70056

WaterCart (B)

The WC-20 and WC-50 Watercart are rechargeable, battery operated, portable watering systems for interior or exterior use. The battery operated pump has a flow rate of 5 gallons per minute for fast watering of containers with little spillage. A total of 300 gallons can be applied before the battery needs to be recharged with the included charger. Dramm Bigfoot option available for use on varied terrain.

Drop Ship Only

Contact Griffin for more information.

FertiCart Portable Injector Cart (c)

The Dramm FC20 FertiCart is designed for portable fertilizer injection. Utilizing our durable MS20 cart, the FertiCart fits down most greenhouse aisles while the low center of gravity, low hose draw point and well balanced cart prevents tipping. Locking casters and rubberized wheels prevent slipping on wet surfaces.

The FC20 comes as a complete kit including a filter to protect the injector and a check valve to prevent back flow of chemicals in the tank. All of the plumbing is mounted on a PVC board for durability and includes unions for easy installation of the injector.

Specs

- 20 Gallon Capacity Drain valve for easy clean out
- Kits to fit most injectors available
Hose hook on rear of unit
- Rubberized wheels and casters
Vinyl coated steel frame
- Dimensions- L: 38" W: 21" H: 48

Drop Ship Only

| Item | Description |
|---------|---|
| 41-1235 | Dramm FertiCart+ 20gl tank-for your Dosatron Injector FC20-DT |
| 41-1236 | Dramm FertiCart+ 20gl tank-for your Dosmatic Injector FC20-DM |

DRAMM



Dramm Sprayer Accessories

Hydra Trigger Gun
Adjustable Output for
Hydra Sprayers.

Item: 41-1246



Trigger Style Spray Gun
For MSO Sprayers.

Item: 41-1245



**Compression Foamer
Hand Pressurized, 8L tank (A)**

Disinfecting your greenhouse is the first step in healthy production. Foam improves disinfection by increasing contact time for the disinfectant on the surface. A rich foam can even stick to vertical surfaces. Dramm has developed the FOAM8L to improve foaming at a low cost. Like a compression sprayer, the FOAM8L is pumped full of air to pressurize the solution tank. The unique feature of the FOAM8L is that this compressed air is also mixed with the solution at the nozzle to produce an air-rich foam that lasts.

Item: 74-2688

PulsFOG (B)

The Dramm PulsFOG is perfect for both large and small greenhouses. It can be used at the doorway to treat quonset houses in minutes or gutter connected greenhouses from the aisle. The ultra fine cloud of droplets penetrates deep into the canopy covering all surfaces, ensuring excellent control of greenhouse pests and disease. Bio PulsFOG available for applications of heat sensitive products and biological formulations.

Contact Griffin for sizing options.

Pulsfog Solutions

| Item | Description |
|---------|---|
| 74-2685 | PFC-1G PulsFOG Cleaning Solution - 1 Gallon |

L-5 Lance

28 inch spray lance expands to 41 inches with a 5 jet spray ring. Includes valve and handle. Works with Hydra, MSO, and BP-4. Purchase a male stainless quick connect for use with a Hydra.

L-5QC L-5 Lance

L-5 lance with a male stainless quick connect. Works with Hydra and MSO sprayers.

BP4 L-5E L-5 Lance

5 jet ring spray lance for MSO, Hydra, or BP4. Extends to 30 inches. Does not include shut off valve, handle, or quick connect.

| Item | Description |
|---------|---|
| 41-1240 | L-5 Lance, no quick connect |
| 41-1262 | L-5QC L-5 Lance with Quick Connect |
| 41-1261 | BP4 L-5 Lance without Valve for BP4 Use |

**Drench Adapter for Hydra
Sprayer**

Turn your Hydra into a drenching tool with this Handi-Reach combo. 24" Aluminum Handi-Reach Handle, 170AL Water Breaker Nozzle, Brass Shut-Off Valve, and a stainless quick connect.

Item: 41-1276



solo



425 4-Gallon Professional Piston Backpack Sprayer (A)

- Easily / effectively handles liquid disinfectants, fertilizers, herbicides, pesticides and formulations for tree, shrub and plant protection
- High-performance piston pump for increased pressure capabilities of up to 90 psi
- Extra-large tank openings for easier filling and cleaning
- 28" unbreakable wand and shut-off valve for excellent reach
- Commercial shut-off valve with lock-on/lock-off feature to minimize user fatigue
- Viton® seals in key locations ensure long service and durability
- Interchangeable pump handle for left or right-hand operation
- 48" nylon-reinforced high-pressure hose for extended reach
- Double filtration system: filter basket and nozzle filter
- Four-nozzle assortment: adjustable, fan spray, hollow cone, and jet stream nozzles. TeeJet® compatible

Item: 81140025

456 2.25-Gallon Professional Handheld Sprayer (B)

- Chemical resistant Viton® seals in key locations withstand harsh chemicals for long service and durability
- Rugged piston pump for quick pressurization
- Pressure relief valve vents excess pressure
- Commercial quality shut-off valve with lock-on/lock-off feature reduces operator fatigue
- Large 4.5" tank opening for effortless filling and cleaning
- Four-nozzle assortment: adjustable, flat fan, jet stream and hollow cone. TeeJet® compatible
- Now with large base for added stability. 458 model can accommodate the wheel set and pull handle (accessory kit, part # 49211)

Item: 41-3120

441 Battery-Operated Backpack Sprayer (C)

- Speed Tip Nozzle: multi-spray pattern. Sprays with 3 different settings with a turn of the dial: jet stream, flat spray and full cone mist
- 4 gallon, UV-resistant HDPE tank with large 4.75" opening. The large filter basket is easily removed
- 11V diaphragm pump, 37.5 PSI
- 11V Lithium-ion Battery. 2.5 hour running time. 2-hour charging time
- Integrated carry handle for easy transport and maneuvering
- Adjustable padded straps
- 20" unbreakable wand provides excellent reach. The wand can be stored neatly in a wand holder to protect it from damage
- Commercial shut-off valve with lock-on / lock-off feature reduces operator fatigue
- Stable tank base ensures that the sprayer will not tip when filling

Item: 81140038

430-2G Handheld Sprayer 2-Gallon (D)

- Designed for medium-to-large jobs at home, on the farm, or for professional applications
- Chemical resistant Viton® seals in key locations withstand harsh chemicals for long service and durability
- Commercial quality shut-off valve with lock-on/lock-off feature
- Funnel top for easy fill and large secondary opening for easy clean-up
- Four-nozzle assortment for multiple spraying tasks: plastic adjustable, fan spray, hollow cone, and jet stream nozzles. TeeJet® compatible
- Unique storage compartment for extra nozzles

Item: 81140005



A



B



C



D



Mist'r Drench (A)

High or low pressure to mist chemicals, drench, or shade.

- 800 PSI max pressure
- 3 GPM max flow
- 100' 3/8" wire braid hose (standard)
- 60 gallon tank with sump
- Constant agitation
- Towing tongue
- 2 guns, quick coupled with 12" and 18" wands
- Gas or electric options
- Also available in 100 and 200 gallon

| Item | Description |
|----------|---------------------------------------|
| 41-2025 | Electric Mister Drench with hose reel |
| 41-38100 | 100' - 3/8" Replacement Sprayhose |

Drop Ship Only

Siebring Sprayers Available, Special Order w/Gas Engines

Fox Sprayer (B)

- 800 PSI max pressure
- 3 GPM max flow
- 100' 3/8" wire braid hose (standard)
- 35 gallon tank with sump
- Constant agitation
- Solid rubber tires
- Highly maneuverable – narrow front steering mechanism for tight turns
- Towing tongue
- 2 guns, quick coupled with 12" and 18" wands
- Gas or electric options

| Item | Description |
|----------|--|
| 41-2120 | Siebring Fox 120V Sprayer with STD Reel/35 gal. Tank/100' Hose |
| 41-38100 | 100' - 3/8" Replacement Sprayhose |

Drop Ship Only

Coyote Sprayer (C)

- 800 PSI max pressure
- 3 GPM max flow
- 100' 3/8" wire braid hose (standard)
- 55 gallon tank with sump
- Constant agitation
- Solid rubber tires
- Towing tongue
- 2 guns, quick coupled with 12" and 18" wands
- Gas or electric options

| Item | Description |
|----------|---|
| COYOTESS | Coyote 800 120V stainless 100'hose, reel, 1.5HP |

Drop Ship Only

Kruser Sprayer (D)

- 750 PSI max pressure
- 1.5 GPM max flow
- 100' 1/4" wire braid hose (standard)
- 25 gallon tank with sump
- Constant agitation
- Solid rubber tires
- Gun and wand, quick coupled
- Gas or electric options

| Item | Description |
|-------------|---|
| 542SF30ES1 | 750 120v W/100' Spray Hose, 25G Tank, 1.5 gpm, Electric Motor |
| 542SF30GS1H | 750 W/100' Spray Hose, Honda Gas Engine |

Drop Ship Only



2025 Multi-Purpose Sprayer (A)

Chapin's 10031 2-liter multi-purpose sprayer is perfect for spraying pesticides and herbicides in your garden and potted plants. Homeowners and professionals can keep it for outdoor and indoor use and it's a great tool for general cleaning. The translucent tank is chemical and rust resistant and adjustable spray nozzle lets you spray a stream or shower as needed. Made in the USA with global materials.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210027 | 2L/67oz | 6/6 |

Lawn & Garden Sprayer (B)

Chapin's 16100 1-gallon home and garden poly tank sprayer is a value option for homeowners. It's made for quick and simple jobs inside and outside your home. The seals and gaskets are compatible with common herbicides, pesticides and fertilizers. Its ergonomic pump handle, 12-inch poly wand, poly trigger shut-off with lock-on, adjustable cone nozzle, and an in-tank filter is standard on this home and garden sprayer. Made in the USA and backed by Chapin's 1-year limited warranty.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210029 | 1gal/3.8L | 1/1 |

Lawn & Garden Sprayer (C)

Chapin's 16200 home and garden sprayer is the value option for homeowners. For quick and simple jobs around the house, inside and out. It's compatible with common herbicides, pesticides, fertilizers and general cleaners. The 2-gallon poly tank comes with an ergonomic pump handle, poly wand with comfortable trigger shut-off, adjustable cone nozzle, and an in-tank filter for continuous spraying. Made in the USA with global materials.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210030 | 2gal/7.6L | 1/1 |

Poly Knapsack Sprayer (D)

Chapin's 61900 4-gallon ProSeries professional backpack sprayer with positional pump handle allows you to comfortably control this unit whether you're left or right handed. It comes with chemical-resistant seals for harsher weed control, pest control or fertilizers. Multiple nozzles are included. Its chemical-resistant poly tank is rust resistant and translucent. The backpack comes with Chapin's standard 3-stage filtration system. Made in the USA with global materials.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210059 | 4gal/15.1L | 1/1 |

Wet or Dry Spray Hose End (E)

Fertilizing your plants, spraying to rid your yard of pesky weeds, or stopping insects from infiltrating your property? Chapin's G6015 wet/dry hose-end sprayer is one of the easiest hose-end sprayers Chapin's designed. Use both liquid or water-soluble lawn and garden chemicals in this sprayer. Attach to the end of a standard garden hose, set the dial and it automatically mixes the right amount of chemical with water. Made in the USA with global materials.

| Item # | Description | CS/UOS |
|----------|----------------|--------|
| 82210128 | 32 oz capacity | 4/4 |

Spray Power Mister (F)

Chapin's 1055 trigger sprayer is compatible with common fertilizers, weed killers and pesticides. It's great for everyday tasks around the home, garden, cleaning or in the garage. This 32-ounce sprayer has a translucent plastic bottle so you easily see how full it is.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210005 | 32oz/1L | 12/12 |

Sprayer Hose End (G)

Chapin's G390 20-gallon hose-end lawn sprayer fits onto any hose end and offers up to 20 gallons of finished spray, a built-in anti-siphon feature to prevent backflow, fingertip on/off control, durable, chemical-resistant and rustproof polyethylene construction. It automatically mixes liquid concentrate with water. Made in the USA with global materials.

| Item # | Description | CS/UOS |
|----------|-------------|--------|
| 82210124 | 20gal/75.7L | 6/6 |

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Credit Application

Interested in applying for credit?

Credit applications can be completed online. Email **creditapplication@griffinmail.com** to receive an email with a link to our secure online portal. If you are unable to access the online form you can call us at 800.888.0054 and ask for the Credit Dept.

Terms and Conditions

UPS / FED EX

We generally recommend UPS / Fed Ex deliveries as the best method for shipping, providing these requirements can be met: all UPS / Fed Ex shipments require a street address and a zip code. Please do not ask us to ship UPS / Fed Ex unless these requirements are met.

Hazardous materials can not be shipped UPS / FEDEX / USPS

There is a \$26.00 charge per package for all C.O.D deliveries by UPS / Fed Ex. We suggest paying by credit card to alleviate this. UPS / Fed Ex has a fuel surcharge into their freight rates that will fluctuate monthly based on current fuel cost. All orders will have a \$15.00 charge for packaging and handling. There is an additional handling fee of \$25.00 for all packages not in a box or 48 inches along it's longest side, and 30 inches along its second longest side, or has an actual weight of 70 pounds or greater. **Any refused C.O.D deliveries will incur a 25% restocking charge.**

UPS / FED Ex- Damaged Shipments

If you see that a shipment is damaged upon receipt from UPS / Fed Ex, refuse shipment. UPS / Fed Ex will return the shipment to us, and we will file the claim and send a new shipment to you. If after opening the package you find concealed damage, call us at once. We will instruct UPS / Fed Ex to pick up the package and return it to us for a claim. We will reship your order.

C.O.D. Shipment

Will be made to all accounts with a balance over 60 days.

Payments

We accept Cash, Check, or the following major Credit Cards: American Express, Visa, MasterCard, and Discover. No additional discounts allowed on credit card payments. Credit cards taken after the initial purchase will require a signed form stating that purchaser agrees to a 2% processing fee, charged by Griffin Greenhouse Supplies, Inc. and will be charged with the balance being paid.

Offerings

Listed are made subject to being available. We will not be held responsible for delays in shipment caused by conditions beyond our control. Applicable substitutes will be made when necessary.

Terms

Are net 30 days unless otherwise stated. A 1½% per month service charge is added on all overdue accounts. This is an 18% annual charge. Terms are COD where credit has not been established. Returned checks will be assessed a \$20.00 fee. Delayed Payment Plan (dating) will only be extended to accounts with a satisfactory payment record.

Direct Shipment Deposits

All material that is shipped Direct from the manufacturer to the customer will require a 30% deposit before the order can be placed with the manufacturer. Depending on the size or complexity of the order you will be required to sign off on a bill of lading to ensure the accuracy and condition of the order.

Returns

No merchandise may be returned without authorization from our office. Merchandise must be returned within 60 days of purchase. Invoice number and date of purchase is required for any/all returns. A restocking charge of 20% is charged on all returns unless merchandise is defective. **ITEMS THAT ARE SPECIAL ORDERED, MADE TO CUSTOMER SPECIFICATIONS, NON-INVENTORY OR NON-STOCK ITEMS, CANNOT BE RETURNED FOR ANY CREDIT DUE TO THEIR SPECIAL NATURE.**

Chemical Shipping

No chemicals will be left without a customer signature. All restricted use products must be accepted and signed for by the license holder only, which is enforced by state law.

Sales Tax

Appropriate state tax will be charged based on location of delivery. All items will be charged sales tax unless we have your tax exempt number on file. In compliance with the law, we must charge the tax on all items, which the state designates as taxable even though you have provided us with your sales tax number. If any items purchased are for company use please notify us so the appropriate tax can be charged.

Recommendations

Made by us are compiled from recognized horticultural sources. We are not responsible for damage or failure due to recommendations given by Griffin Greenhouse Supplies, Inc.

Notice to Purchaser

The following is made in lieu of all warranties expressed or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be changed except by an agreement signed by officers of seller and manufacturer. All terms and conditions listed are subject to change.

Motor Freight Shipments

In order to provide you with the best service possible all deliveries made must be signed for, which will ensure the right product and quantities are received. All pallets are wrapped with black wrap and taped to ensure your order arrives complete. If your pallet is tampered with, please sign the bill of lading **"1 pallet received, tape and wrap has been broken."** Any shortages or missed shipments must be noted upon receipt of your delivery, so please try to be available on delivery date.

All orders for delivery must be placed 24 hours, or 2 working days, prior to your delivery day.

The original Bill of Lading attached to our invoice indicates that material shipped has now become your property and is an acknowledgment by the transportation company of the receipt of the property in good condition. Safe delivery of this shipment is now the responsibility of the carrier. Please examine your shipment carefully before signing the freight bill. We will be glad to assist in tracing or recovery of lost merchandise.

Motor Freight - Damage or Shortage

If any damage is noted, or if the number of pieces received does not agree with the number on the bill of lading, **DO NOT** accept the shipment without shortage or damage notated on your freight bill and signed by the carrier's agent (driver). Failure to do so may jeopardize your recovery. If any concealed damage or shortage is discovered when unpacking, leave the material and the packing as is and notify the carrier for a concealed damage or shortage inspection. Consult the carrier for the necessary claim papers and disposition of damaged articles. When checking shipments, compare what was received with packing list or invoice. If there is a shortage or damage, **YOU MUST CONTACT US WITHIN 24 to 48 HOURS** and provide us with full details and pictures.

Claims with motor freight companies must be made promptly. The freight company will not consider a claim unless it is presented within nine months from the date of shipment. The carriers agent will assist you in making that claim. Claims for loss or damaged material and transportation charges **MUST NOT** be deducted from the invoice and the payment of invoices **MUST NOT** be withheld awaiting adjustment of such claims, since it is the function of the carrier to guarantee safe delivery.

Prices and terms are subject to change without notice.

Prices at time of shipment will prevail. For current quotations, please call us. Prices quoted are FOB Denver, CO; Cheshire, CT; Canton, GA; Tewksbury, MA; Gray, ME; Bridgeton, NJ; Auburn, NY; Brookhaven, NY; Schenectady, NY; Perrysburg, OH; Gresham, OR; Morgantown, PA; Richmond, VA; and Woodridge, IL. or FOB the factory unless otherwise stated.

ONLINE ORDERING

www.griffins.com

CONTACT GRIFFIN

Email: orders@griffinmail.com

Phone: 800.888.0054

Grower/Retail Fax: 877.636.3623

Plant & Seed Fax: 610.913.3091

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