



A Third Generation Family-Owned Single Source Supplier for All Your Horticultural Needs

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.

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, Massachusetts, 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 and family, 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 us directly – by phone or e-mail – with any questions or input that may help us serve you better.



GRIFFIN LOCATIONS

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

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 NATIONWIDE

5303 Havana St, Suite 120 Denver, CO 80239

20 Grandview Ct Cheshire, CT 06410

10 Middle River Drive Stafford Springs, CT 06076

111 Bluffs Court, Suite A Canton, GA 30114

2143 Internationale Parkway Suite 400, Woodridge, IL 60517

1619 Main St Tewksbury, MA 01876

50 W Gray Rd Gray, ME 04039

1240 B Hwy 77 Bridgeton, NJ 08302 550 Spice Islands Drive, Sparks, NV 89431

1 Ellis Dr Auburn, NY 13021

2165 Montauk Hwy Brookhaven, NY 11719

126 Van Guysling Ave Schenectady, NY 12305

28214 Glenwood Rd. Perrysburg, OH

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 15 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

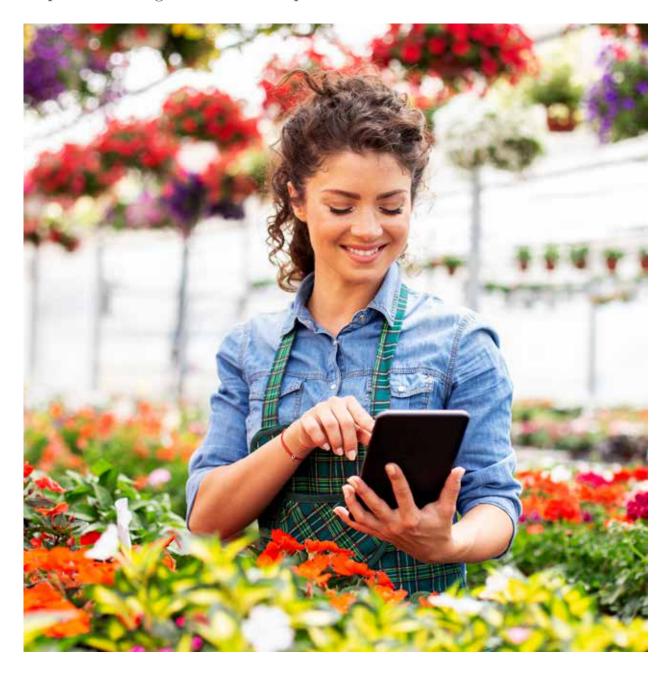
From production to point-of-sale, we've got you covered! Our Grower Supplies, Seed & Plant, CEA and Retail catalogs feature must-have inputs from quality manufacturers, breeders and producers.

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





WEST EXPO

August 26-27, 2026 Grand Sierra Resort, Reno, NV

EAST EXPO

September 10, 2026 Lancaster Marriott at Penn Square, Lancaster, PA





Maximize Your Year-End Tax Benefits Now!

You may be eligible for major tax incentives—but only if your project is completed and in-use by December 31.

Section 179 & Bonus Depreciation allow you to deduct up to 100% of your greenhouse investment this year. That includes:

- Greenhouse structures, controllers & benching
- Automation equipment seeders, mixers, fillers, conveyors, transplanters
- HVAC equipment and more!

Learn more about Section 179: https://www.irs.com/en/what-is-section-179/

Disclaimer: Always consult a tax professional to confirm eligibility, limits, and applicability for your business







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. 9-26)
STEP 4 Types of Coverings (pg. 27-52)
STEP 5 Doors and Hardware (pg. 49-50)
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STEP 7 Heating Systems (pg. 61-66)
STEP 8 Environmental Controls (pg. 67-72)
STEP 9 Benching (pg. 83-94)
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 or email ConstructionDept@griffinmail.com.
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:

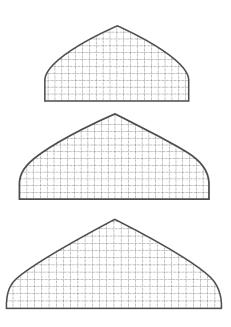
Gothic style greenhouses offer more head room at the side wall compared to a Quonset hoop house.

In Case of Heavy Snow:

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



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







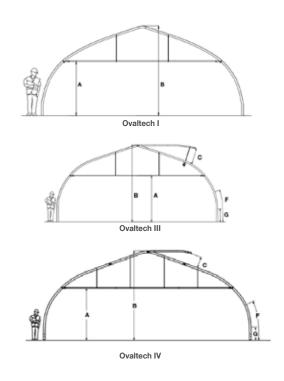


Ovaltech: Ground-to-Ground

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



2026

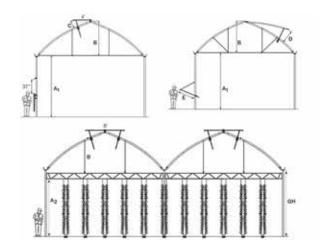
	Ovalte	ech I	Ovaltech III		Ovaltech IV							
Width	20' 25'	27'	25'	30'	32'	35'	25'	30'	32'	35'	42'	
Arch spacing	5'		6'	6' 3' - 5' - 6' 3' - 5' - 6' 5' - 6'			6' 6' 6'			3', 4', 5', 6'		
Inside clearance A	6'9)"		9'-1''			9'-1"			10"		
Total height B	11'-2''	11'- 6-3/8"	14'-1''	14'-11''	15'-2''	15'-9''	14'-1-3/16"	14'-10-5/16"	15'-2"	16'-7"	17'6	11
Tubing Dimensions	1- 5/8" x	2-3/4"		2" x 3-9	/16"				2 ¾" 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'' - 3	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.



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Models		Seri	es 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			
			arch 1	$-\frac{5}{8}$ " x $2-\frac{3}{4}$ " = 0	GH + 3"				
Inside clearance (with tube) A1			arch 2	" x 3-% _{16"} = GH	I + 1-5/ _{8"}			arch 2" x 3-9/16" = GH + 1-5/8"	
			arch 2-9	$\sqrt{4}$ x 4-5/16" = G	H + 1-3/8"	,		arch 2-3/4" x 4-5/16" = GH + 1-3/8"	
	GH -23" (15" truss)						GH - 29-3/4" (22" truss)		
Inside clearance (with truss) A2	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-%16" 0	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"								
Guillotine panel (opening) F	37"								



2026



Cold Frame & TunnelProTM

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

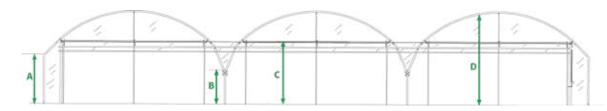
TunnelPro™

- 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'		3	0'	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)



2026



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

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



30' E-ZY Grower Gothic Greenhouse

30' GOTHIC SPECIFICATIONS

Bows: 1.66, 14 gauge galvanized steel tubing *Optional 1.990, 13 gauge bows available upon request*

Purlins: 1.315, 18 gauge galvanized steel tubing

30' STANDARD-WALL

Height at Peak: 12'10"Height 3' from Side: 6'3"

• Groundpost: 36" (4" above ground)

• Poly Width: 42'

30' MID-WALL

Height at Peak: 13'8"Height 3' from Side: 8'1"

• Groundpost: 54" (26" above ground)

• Poly Width: 48'

30' HIGH-WALL

Height at Peak: 15'10"Height 3' from Side: 10'4"

• Groundpost: 84" (54" above ground)

• Poly Width: 50'

COMMON LENGTHS

*Pre-made kits made in the following lengths

WALL FRAME

- 30' x 48' Frame
- 30' x 72' Frame
- 30' x 100' Frame
- 30' x 144' Frame

WALL FRAMES INCLUDE

4' bow spacing, 3 purlins, cross bracing every other bow, wind bracing on all 4 corners. End-Wall Frames are not included. Please specify if End Wall Frames are needed.

HAVE A CUSTOM NEED OR LENGTH?

We help you solve this by emailing **constructiondept@griffinmail.com** or call 800.888.0054 & PRESS 3



21' & 24' E-ZY Grower Gothic Greenhouse

21' GOTHIC SPECIFICATIONS

Bows: 1.315, 14 gauge galvanized steel tubing *Optional 1.660 14 gauge OR 1.990 13 gauge bows* available upon request

Purlins: 1.315, 18 gauge galvanized steel tubing

21' STANDARD-WALL

Height at Peak: 10'3"Height 3' from Side: 5'11"

• Groundpost: 36" (4" above ground)

• Poly Width: 32'

21' MID-WALL

Height at Peak: 11'9"Height 3' from Side: 7'5"

• Groundpost: 54" (26" above ground)

• Poly Width: 36'

24' GOTHIC SPECIFICATIONS

Bows: 1.315, 14 gauge galvanized steel tubing *Optional 1.660 14 gauge OR 1.990 13 gauge bows* available upon request

Purlins: 1.315, 18 gauge galvanized steel tubing

24' STANDARD-WALL

Height at Peak: 12'0"Height 3' from Side: 6'3"

• Groundpost: 36" (4" above ground)

• Poly Width: 36'

24' MID-WALL

Height at Peak: 13'8"Height 3' from Side: 7'6"

• Groundpost: 54" (26" above ground)

• Poly Width: 40'

COMMON LENGTHS

*Pre-made kits made in the following lengths

WALL FRAME

• 21/24' x 48' Frame

• 21/24' x 72' Frame

• 21/24' x 100' Frame

• 21/24' x 144' Frame

WALL FRAMES INCLUDE

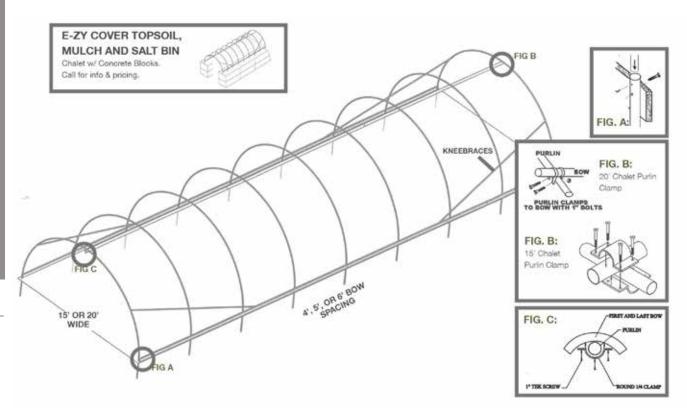
4' bow spacing, 3 purlins, cross bracing every other bow, wind bracing on all 4 corners. End-Wall Frames are not included. Please specify if End Wall Frames are needed.

HAVE A CUSTOM NEED OR LENGTH?

We help you solve this by emailing constructiondept@griffinmail.com or call 800.888.0054 & PRESS 3



15' & 20' E-ZY GROWER WINTER CHALET



15' WINTER CHALET SPECS

Bows: 1", 14 gauge tubing

Purlins: 1.315, 18 gauge tubing

Height at Peak: 7'3"Height 3' from Side: 5'9"

• Groundpost: 24' (2" above ground)

• Poly Width: 24'

20' WINTER CHALET SPECS

Bows: 1.315", 14 gauge tubing

Purlins: 1.315, 18 gauge tubing

Height at Peak:10'0"Height 3' from Side: 8'0"

• Groundpost: 36' (2" above ground)

Poly Width: 32'

COMMON LENGTHS

*Pre-made kits made in the following lengths

GREENHOUSE FRAME

• 15/20' x 48' Frame

• 15/20' x 72' Frame

• 15/20' x 100' Frame

• 15/20' x 144' Frame

GREENHOUSE FRAMES INCLUDE

4' bow spacing, 1 purlin & wind bracing on all 4 corners.

End-Wall Frames are not included. Please specify if End Wall Frames are needed.

The E-ZY Grower Winter Chalet is designed to protect your valuable nursery stock, perennials, roses, bedding plants and more from snow loads, strong winds and other bad weather. The E-ZY Grower Winter Chalet is well designed for long term economic overwintering, storage and growing space. The 15' Winter Chalet bow is made of a single piece of curved steel. While the 20' Winter Chalet bow uses two pieces of curved steel, one side swedged to fit into the other.



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

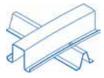
Accessory Equipment:

- 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.



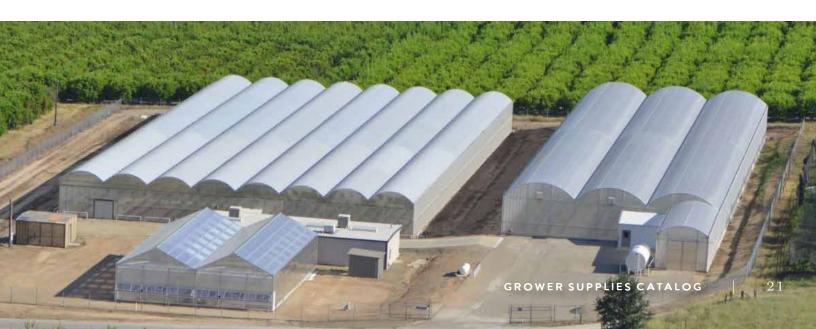
Arch and purlin design offers "I" beam technology for superior strength.



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

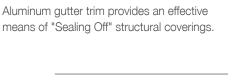
Standard Widths

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





Griffin Construction Department Partner with us on your 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

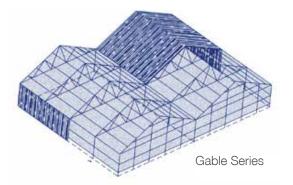
Conley gutters are cantilevered a full 2 feet over greenhouse columns, transferring the normal loads created by gutter connections away from the column. This increases the strength and stability of the structure. Gutters also lap one onto the other, virtually eliminating connection leaks.

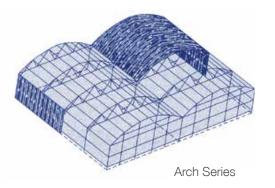


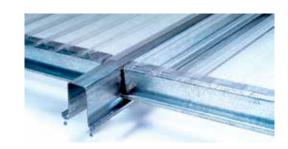
Superior Strength Rollformed Technology

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.













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

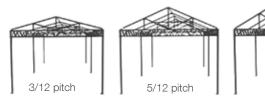
Vertical posts: $3" \times 3" \times 13'$ galvanized steel with base plate **Truss:** $2" \times 2"$ square top and bottom chords, galvanized webbing **Cover:** 30%, 50%, 60%, 80% black shade cloth, 50% red shade

cloth, 60% available both blue & green colors.

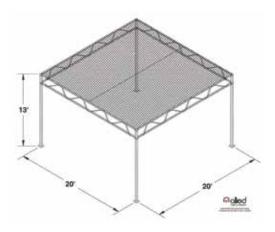
W-Truss complete packages include:

 $3" \times 3" \times 13' \times 12$ ga. vertical posts with $7" \times 7"$ 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.



2026



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 holts

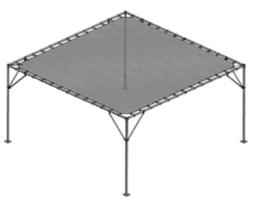
Vertical posts: 2.5" O.D. 12 ga. x 10' galvanized steel posts **Horizontal supports:** 21 /2" O.D. 12 ga. x 20' galvanized steel supports

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.









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.



Griffin Construction Department

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







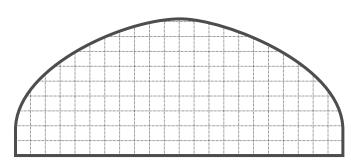


What Size Cover for my House?

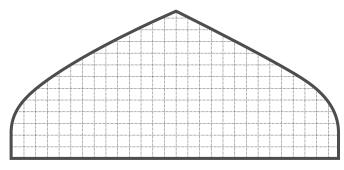
Quonset Greenhouse							
House Width	14'	17'	20'	22'	25'	28'	30'
Poly Size Use	24' wide	28' wide	32' wide	32' wide	40' wide	42' wide	48' wide

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 for in the chart above. Griffin recommends using a soft measuring tape to make a ground to ground measurement before ordering.

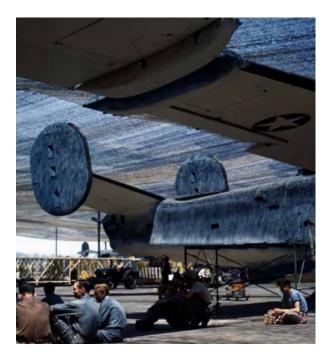


Quonset Greenhouse



Gothic Greenhouse



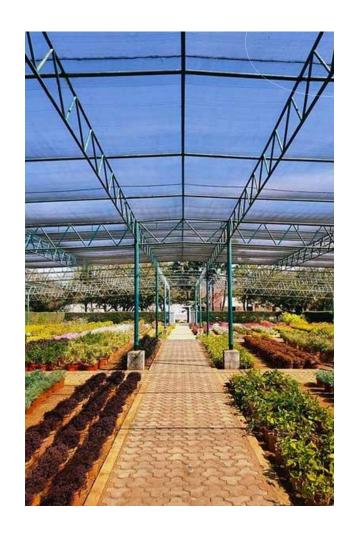




During World War II, Lumite helped shield aircraft workers and camouflage bombers in Southern California's factories.

Today, that same spirit of innovation and protection drives everything we do — shading yesterday, today, and tomorrow.





Shade factors 30% - 95% • Widths from 3' to 15.5' • Custom widths & lengths

DESIGNED TO PROTECT. DEVELOPED TO REINFORCE. BUILT TO LAST.

2026

sunmaster*



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

Weight/ Width Length Fold Item Mil lbs. SMTHM624110EAC 110 4B 70 24 6 SMTHM628110EAC 28 6 110 4B 81 SMTHM628150EAC 28 6 150 4B 121 SMTHM632110EAC 6 110 4B 32 102 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 highperformance 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:

- Sunmaster® IV as the outside layer to maximize light





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

	Purchase	Save
Savings	\$750.00 \$1,500.00 \$2,500.00	8% 13% 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



2026

White Overwintering Film 70% Opacity

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

ml	Width	Length
4	24'	110'
4	24'	150'
4	28'	110'
4	28'	150'
4	32'	110'
4	32'	150'
4	36'	110'
4	36'	150'
4	40'	110'
4	40'	150'
4	48'	110'
4	48'	150'
	4 4 4 4 4 4 4 4 4	4 24' 4 24' 4 28' 4 28' 4 32' 4 32' 4 36' 4 36' 4 40' 4 40' 4 48'

	Purchase	Save
Savings	\$750.00	8%
Dublings	\$1,500.00	13%
	\$2,500.00	18%

Savings applies to Polyethylene Film

Clear Overwintering Film

Made with Metallocene.

Item	ml	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



SunView Therm

LIGHT DIFFUSION

Light diffusion increases photosynthetic 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
3	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
1	760-2415018T	24' x 150' Thermal Tube	6	TDF	207
0					



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

SunViewTM 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. SunViewTM 4 is designed to transmit more light while maintaining superior mechanical properties. * SunviewTM 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
2	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

SunViewTM 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. SunViewTM 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.

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	
	also available i	n 55%				
	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	
i.	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					
					111	
					1111	
8						



Folds and Spread Instruction



Fold 4:

4.0-12.0 m 13.123-39.37 Ft

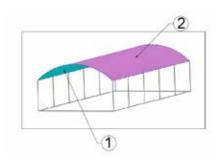


Fold C:

8.0-18.0 m 26.246-59.055 Ft

Storing and Spreading Instruction:

- 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
- 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.
- The films should be installed according to the following drawing. Side 1 should face the crop and side 2 to the sky.



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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

- 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 is 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



Greenhouse Parts Aluminum Profile/Extrusions

QUICK LOCK MALE INSERT

For use with Single & Double Quick Lock Base. The Quick Lock Male Insert turns easily into the Quick Lock Base to hold two layers of greenhouse poly cover. Poly is securely locked after air is inflated between the two poly layers to 'seat' the insert. When the time comes to change out poly a quarter turn of the insert is all you need to release it from the base.

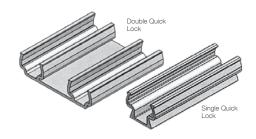
Item	Description
1304 1048	4' Quick Lock Male Insert

2026

Quick Lock Base /Double & Single

RECOMMENDED FOR USE WITH DOUBLE LAYER INFLATED POLY ONLY.

Quickly and easily attach and replace double layer poly on your greenhouse frame with our rigid locking system. Use Single Quick Lock Base to attach poly to baseboards at the sides and ends of your greenhouse. We recommend ¼" x 1" hex head bolts w/ nuts for attaching Single Quick Lock Base to a steel frame. Our Double Quick Lock Base is designed for use at the top of an EZY-Grower Roll-up side vent to secure both roof and side wall poly in one base track. The double base is rigid enough to be attached across greenhouse bows (up to 5' spacing) with out horizontal support. Use #10 x ¾" tek screws to attach to steel framing or ¼" size bolts when attaching to wood. Both Single and Double Quick Lock Bases are used in conjunction with Quick Lock Male Insert described above.



Item	Description
1303 1144	12' Double Quick Lock Base
1303 1288	24' Double Quick Lock Base
1302 1144	12' Single Quick Lock Base
1302 1288	24' Single Quick Lock Base

Wire Insert

The stainless steel wire insert, which is sometimes called a spring, will not change its' holding characteristics even with repeated use. When installing, simply pull the material across the base channel, and snap the soft wire insert into place to secure the material.

Distributor sales in bundle of 50

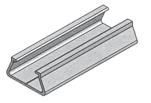


50/bundle

Wire Poly Lock

1305 2072

Use the steel Wire Poly Lock extrusion to secure poly along baseboards and along the curve of bows. We suggest that two springs be used for added strength in windy areas. Wire Poly Lock can be attached to most steel

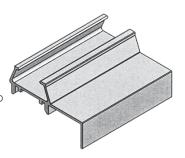


greenhouse frames. Secure with 1/4" x 1" tek screws every 18" when attaching extrusion to steel baseboards or bows. It is recommended to use 1/4" hex bolts with nuts when attaching extrusion to Greenhouse Frame.

Item	Description
1306 1144	12' Wire Poly Lock Base
1306 1288	24' Wire Poly Lock Base

Universal Spring Lock

Universal Spring Lock easily, neatly and inexpensively finishes end walls. It securely attaches poly or shade cloth to any round, oblong or square tubing and allows for 8mm polycarbonate or 'raised rib' sheets under its cap.



Item	Description
1307 1288	24' Universal Spring Lock

Double Wire-Lock

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



Item	Description
09-16501	Double Wire Lock (Wire not Included)

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:

- Control the pressure by connecting a rheostat (variable speed control) to you 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.
- 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.
- 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 % 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



Kenbar Air 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



2026

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 4-Bolt (round flange) (square)

Item: 81-510400 **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
 Size: 1 qt.

 Item: 75-2983
 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:
 09-1410
 Size:
 4" x 48'

 Item:
 09-1415
 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 $^3\!4$ " wide x $^1\!3\!2$ " 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.

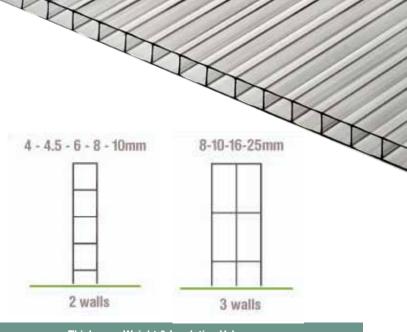


Need a Nonstock Piece of Polycarbonate?

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 Gallina USA 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

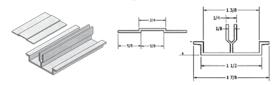


	Th	icknes	s, Wei	ght & I	nsulati	on Valu	ıes			
Thickness (mm)	4	4.5	6	8	10	8	10	16	20	25
Thickness (in)	5/32	3/16	1/4	5/16	3/8	5/16	3/8	5/8	3/4	1
Structure 2 LAYERS				3	LAYER	S				

Light Transmission										
Clear	85	84	80	81	82	76	74	74	75	72
Bronze	57	57	42	42	42		42	37	35	35
Opal	58	58	57	57	57		52	52	52	35

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

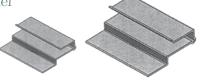
Bar Base & Bar Cap



Item	Description
1312 1290	24'2" Bar Base Aluminum Profile
1313 1290	24'2" Bar Cap Aluminum Profile

Aluminum U-Channel

Used with Bar Base to seal top and bottom edge of polycarbonate sheets.



Item	Description	
1314 1144	12' Aluminum U-Channel	
1314 1288	24' Aluminum U-Channel	

Greenhouse Roll Tubes

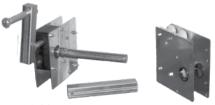
E-ZY Roll Tube

Our aluminum roll tube is designed with a built-in track to allow for easy installation of poly for poly roll-up vents. Simply secure poly in track with stainless steel wire (spring) insert. Need to change the poly? Just remove the spring, add a new piece of poly and put the old spring back in.

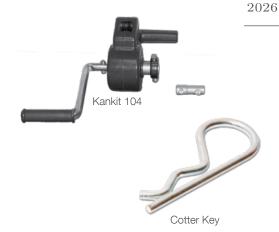


Diagram above shows order of installation of E-ZY Grower Roll Tube with adapters into guide and gear box.

Item	Description
1240 3316	E-ZY Roll Tube Splice #RVM316
1240 3317	E-ZY Roll Guide Box Adapter Swaged #RVM317
1240 3318	E-ZY Roll Tube Into Guidebox #RVM318
1305 2048	4' Wire Insert Only
1329 1144	12' E-ZY Roll Tube
1329 1288	24' E-ZY Roll Tube
1240 3316	E-ZY Roll Tube Splice #RVM316
1240 3305	Crank Handle for E-ZY Grower Gear Box #RVM303
1201 0104	Kankit Gearbox
1240 3321	Roll Up Vent Bracket - #RUM321
1742 2400	2-1/2" Hairpin/Cotter Key
1240 3301	E-ZY Gear Box with Handle
1240 3303	E-ZY Grower Guide Box



E-ZY Gear Box with Crank Handle



E-ZY Spring Hook

Our E-ZY Spring Hook holds web or battening tape firmly in the lock base to secure poly and prevent flapping. The wire insert design allows you to easily slide it into poly lock base track at top and bottom of rollup side vent. Hook is installed in upward position on top lock base track and downward position in baseboard lock base track. Once installed, simply weave web / battening tape in a 'V' formation from vent top to vent bottom. Eliminates the need for tools and hardware!

Item	Description	
1305 2049	E-ZY Spring Hook	





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.





Learn more about Roll Up and Roll Up Kits from Griffin Construction.

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



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

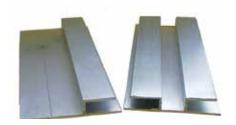
8' (2440 mm) to 50' (15,240 mm) (Subject to available transportation restrictions)

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® Acrylic Glazing for Greenhouses





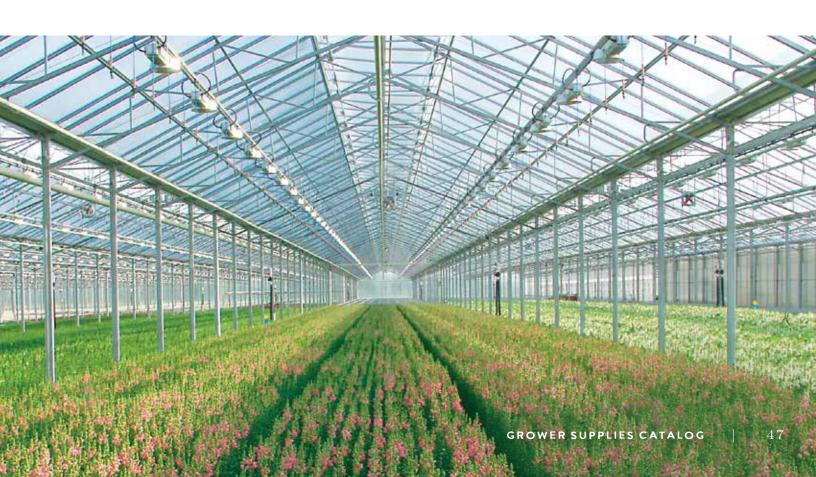
Griffin Construction DepartmentPartner with us on your next project.
Call for consultation and quote:
1.800.888.0054 then press 3.

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.

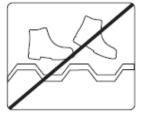
Custom Possibilities

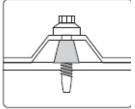
- Lengths up to 36'
- Width: 49.6"
- Available in clear, ice/white & 100% diffused

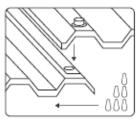
Item	Description
08-4059	49.6" X 12' Clear Greca Corrugated Polycarbonate Panel 0.8 mm
08-4060	49.6" X 16' Clear Greca Corrugated Polycarbonate Panel 0.8 mm
08-4040	Grecca Horizontal Foam Closure 3' length
09-3525	No Drip Spacer
09-2255	#12- Self Drilling Metal Screw 1 1/2" 100/Bag
09-6023	#12 X 5/8"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

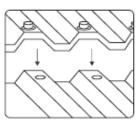
Greca Corrugated Polycarbonate Panel	
Color	Light Transmission
Clear	89%
ICE/WHITE	50%
Diffused	85%

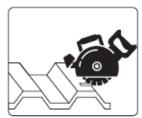
Installation Guides











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



Roll-Up Door

Strong, Smooth, Quiet - Rolled Into One Great Door







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

Quick & E-ZY Sliding Door Kits



3' x 8' DOOR

Steel Frame Only

Track, Trolly, Hardware

Polycarbonate Covering & Aluminum Extrusions & Door Brush Seal

4' x 8' DOOR

Steel Frame Only

Track, Trolly, Hardware

Polycarbonate Covering & Aluminum Extrusions & Door Brush Seal



5' x 8' DOOR

Steel Frame Only

Track, Trolly, Hardware

Polycarbonate Covering & Aluminum Extrusions & Door Brush Seal

6' x 8' DOOR

Steel Frame Only

Track, Trolly, Hardware

Polycarbonate Covering & Aluminum Extrusions & Door Brush Seal



NEED A SPECIAL SIZE? NO PROBLEM!

We can easily customize almost any size door frame.

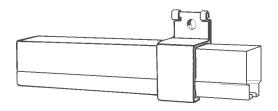
Reach out to Griffin Construction at constructiondept@griffinmail.com

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Door Accessories

Door Track

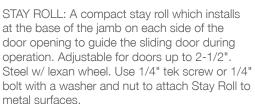
Rollformed from galvanized steel and can support up to 400 lbs. It is used not only as a door track, but also to construct our E-ZY Door Frames.



Item	Description	
17-630106	6' Door Track	
17-630108	8' Door Track	
17-630110	10' Door Track	
17-630112	12' Door Track	

Stay Rolls

STAY ROLL 93: For floor-mounted applications. Includes lag screw and expansion shield. Steel with hard rubber wheel.



Item	Description
17-609300	Stay Roll #93
17-600468	Stay Roll





Item	Description	
17-609300	Stay Roll #93	
17-600468	Stay Roll	

Door Hangers

An economical nylon-bearing hanger typically used on metal frame doors weighing up to 400 lbs. The drop bolt installs vertically through top frame member of door. Vertical adjustment only. Steel wheels, frame and axles with solid nylon bearings.



Item	Description
17-620457	Door Hanger for Metal Doors

Brackets

SINGLE SIDE BRACKET:

Used for face mounted applications requiring a single run of Track #301. The front of the bracket pivots outward, allowing for easy installation of the Door Track #301. Attaches with a 3/8" hex head bolt with a washer and nut for most applications.



Item	Description
17-611301	Single Side Bracket

7" Door Handle



Item	Description
17-650700	7" Door Handle 1XMY8

Door Brush Seal

Door brush seal is used around sliding polycarbonate doors to seal the top and sides of the door.



Item	Description
1118 0991	8' Long Brushed Seal

Accessories for Multi-Wall Polycarbonate Projects



Screws, Bolts, Nuts, Washers, & Spacers

Item	Description	Qty
09-2255	Self Drilling Plated Screws #12 11/2" (A) (Use in metal application)	100
09-2251	Self Drilling Plated Screws #10 1½"(B) (Use in wood application)	100
17171005	#10 x 1/2" Phillips Pan Head Screw Zinc (C)	10000
17022515	1/4" x 1.5" Zinc Carriage Bolt (D)	2125
17022525	1/4" x 2.5" Zinc Carriage Bolt (D)	1000
17022560	1/4" x 6" Zinc Carriage Bolt (D)	400
17023825	3/8" x 2.5" Zinc Carriage Bolt (D)	450
17025620	5/16" x 2" Zinc Carriage Bolt (D)	1000
17025625	5/16" x 2.5" Zinc Carriage Bolt (D)	800
17002507	1/4" x 3/4" Zinc Hex Head Bolt (E)	2700
17002515	1/4" x 1.5" Zinc Hex Head Bolt (E)	-
17002520	1/4" x 2" Zinc Hex Head Bolt (E)	1200
17002525	1/4" x 2.5" Zinc Hex Head Bolt (E)	900
17003835	3/8" x 3.5" Zinc Hex Head Bolt (E)	300
17202500	1/4" Hex Nut (F)	6000
17205600	5/16" Hex Nut (F)	4000
17203800	3/8" Hex Nut (F)	3000
17262500	1/4" Lock Nut (F)	-
09-5020	#10 x 11/8" Neo/Bonded Washer (G)	100/bag
09-6020	#10 x 5%" Neo/Bonded Washer (G)	100/bag
09-6023	#12 x 5%" Neo/Bonded Washer (G)	100/bag
09-5026	#12 x 11/8" Neo/Bonded Washer (G)	100/bag
09-6035	Foam Spacer 1"x 1" x 3/8" (one side sticky) (H)	100/bag

Aluminum & Vent Tape (I)

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

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

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

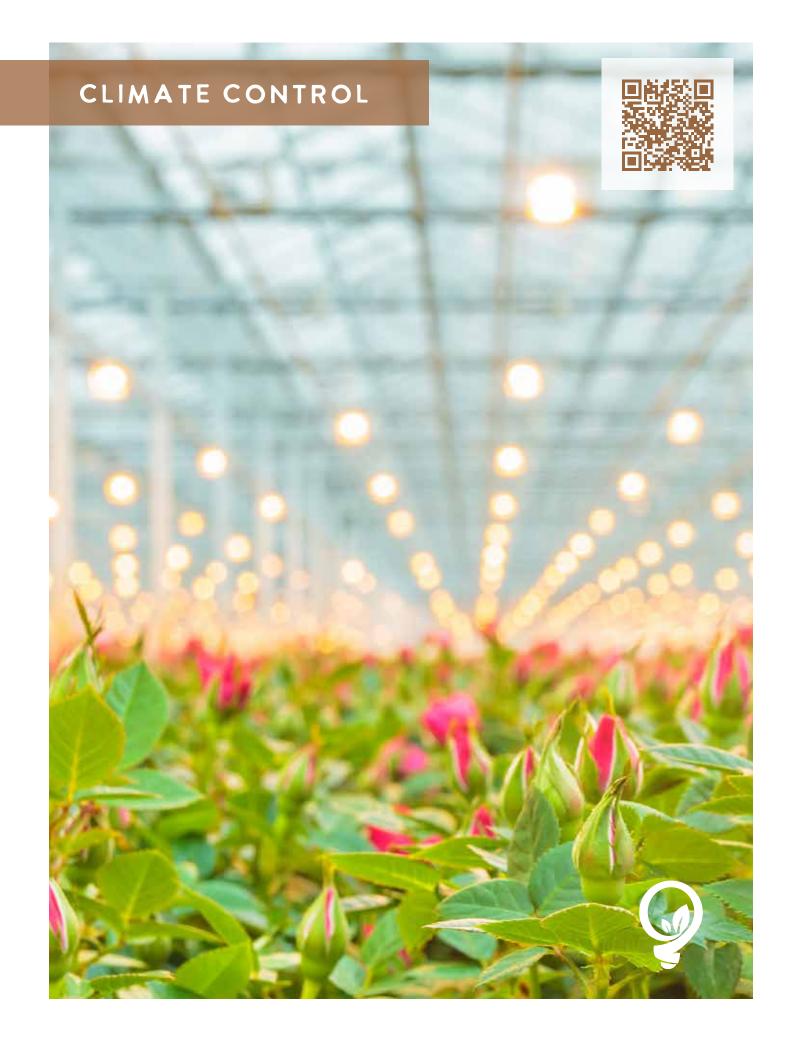
Item	Description
13111144	12' Single
13111288	24' Single
13101144	12' Double
13111292	24' Double

Gable Framing Bracket

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

Item: 83-201000





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" $\times \frac{1}{2}$ " 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)

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.







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

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

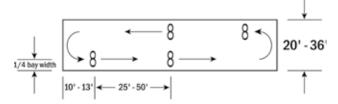
For permanent replacement of V-belts. Eliminates the need to stock extensive line of replacement belts.

- · 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

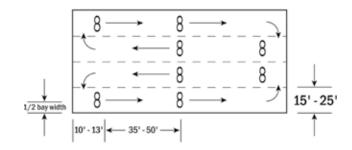
Item	Width	Length	
23-60251	1/2"	6 ½ ft	
23-60601	5/8"	32 ft	_

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 x 144 x 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.

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





VOSTERMANS

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



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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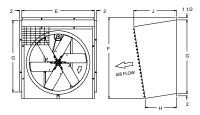


Economical. Practical. Effective

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	н	J	Ship wt
GSWH24/SWHA24	323/8	3711/16	3211/16	23 1/8	291/16	52
GSWH30/SWHA30	383//8	441/2	383/4	23	291/16	67
GSWH36/SWHA36	443/8	505/16	4413/16	221/2	29%16	82
GSWH48/SWHA48	503//8	565/16	50 ¹⁵ / ₁₆	213/4	2911/16	104
GSWH48/SWHA48	563/8	623/8	57	215//8	30½	122
GSWH54/SWHA54	623/8	68 ¹¹ / ₁₆	631/16	223/4	329/16	132
GSWH60	68%	741/4	69½	221/4	33	152

Rough Opening for GSWH Housings:

Add $\frac{1}{2}$ " to 'E' for Width For 4" Wall: Add $\frac{1}{4}$ " to 'G' for Height For 2" Wall: Add $\frac{3}{4}$ " to 'G' for Height For 6" Wall: Add $\frac{1}{2}$ " to 'G' for Height





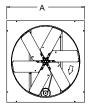




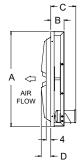
Type NBF Fan

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	Α	В	С	D
NBF24/AL24	32	51//8	12½	5
NBF30/AL30	38	51//8	12½	51//8
NBF36/AL36	44	5½	131/4	51/4
NBF42/AL42	50	5 ¹ / ₈	131/4	57//8
NBF48/AL48	56	5 ¹ / ₈	131/4	61/4
NBFA54/AL54	62	51//8	131/4	6½
NBF60	68	61//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 ¹ / ₄ x 30 ¹ / ₄
LRW33E	4,500	34 x 34	36 ¹ / ₄ x 36 ¹ / ₄
LRW39E	6,300	40 x 40	42 ¹ / ₄ x 42 ¹ / ₄
LRW45E	8,400	46 x 46	48½ x 48¼
LRW51E	10,700	52 x 52	54½ x 54¼

Air Inlet Shutter Model	Air Flow Capacity CFM	Required Opening Dim.	Overall Dim. Including Flange
LRW57E	13,400	58 x 58	60 ¹ / ₄ x 60 ¹ / ₄
LRW66E	18,000	67 x 67	69½ x 69¼
LRW4527E	5,000	46 x 28	48½ x 30½
LRW4515E	2,800	46 x 16	48½ x 18¼
LRW6024E	6,000	61 x 25	67½ x 27¼
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



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.

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)

Punch Positions

Numbers in circle are as positions on a clock.





Used unless otherwise specified





Item	Diameter	Lay Flat Measurement
23-3030	UV 12"	19"
23-3035	UV 18"	28½"
23-3045	UV 24"	38"
23-3050	UV 30"	471/2"



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. Climate Technologies

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



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 GrowTM

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 your next project. Call for consultation and quote: 1.800.888.0054 then press 3.





U STERLING.

AF /AB

Commercial & Light Commercial Unit Heaters

The Sterling AF (propeller) and AB (blower) series convertible venting type tubular gas-fired unit heaters offer a highly efficient, extremely durable alternative to the traditional clam shell design. These propeller and blower type units combine the latest tubular heat exchanger and in-shot burner technology with the quality and reliability you have come to know from Sterling. Units are available in sizes 100 to 400 MBH and have been certified by ETL as providing 83% thermal (combustion) efficiency. The AF/AB unit heater is designed so it can be installed in either standard or separated combustion venting configurations right out of the box with no modifications. Optional concentric vent kits are also available.

Features

- ZM Coated Steel Corrosion Resistant Cabinet
- Stainless Steel Tubular Heat Exchangers
- Stainless Steel Burners
- Separated or Standard Combustion All-in-One Units
- 83% Thermal Efficiency
- Power Vented
- Propeller (AF) and Blower (AB)
- Optional Gas Conversion Kit (NG or LP)
- Direct Spark Ignition System
- Redundant Single Stage Gas Valve
- Rear Burner Access for Ease of Service
- Individually Adjustable and Removable Horizontal Louvers
- 10-Year Heat Exchanger, Flue Collector and Burner Warranty
- Optional Poly Tube Adaptor (Poly Tube by Others)





AG

Low Profile Unit Heaters

AG Series gas-fired unit heaters combine the latest tubular heat exchanger technologies with a unique single-orifice burner system for superior durability, reliability, and performance. AG Series propeller units are available in sizes from 60-120 MBH and offer industry leading operating efficiencies in a compact low-profile design perfect for applications where space is limited. All Agricultural Series unit heaters are designed to be installed in either standard or separated combustion venting configurations right out of the box with no modifications. Optional concentric vent kits are available.

Features

- ZM Coated Steel Corrosion Resistant Cabinet
- Stainless Steel Tubular Heat Exchangers
- Stainless Steel Burner Boxes
- +82% Thermal Efficiency
- Residential Certification: For Use as a Garage Utility Heater
- Separated or Standard Combustion All-in-One Units
- Single Orifice Burner System
- Direct Spark Ignition
- Power Vented
- OSHA Fan Guard
- Terminal Strip Low Voltage Wiring
- LP Gas Conversion Kit Included
- Easy Access Control Panel
- 10-Year Heat Exchanger, Flue Collector and Burner Warranty



Matrix "XH"

Gas-Fired High Efficiency Unit Heater

The Matrix is a high efficiency condensing unit heater featuring industry leading performance efficiencies of +93%. The Matrix is the perfect solution for light commercial/commercial applications and is ideal for more corrosive environments due to its ZM coated steel corrosion resistant cabinet. The Matrix unit heaters reduce fuel usage and emissions and provide significant cost savings each heating season. The Matrix is available in eight sizes, from 50 to 400 MBH. Matrix incorporates a tri-metal condensing heat exchanger to maximize heat transfer while using the traditional standard efficiency gas controls to minimize cost. Matrix is the most advanced, value-priced, high efficiency condensing unit heater on the market.

Features

- +93% Efficiency at Full Input
- 8 Sizes 50 to 400 MBH
- Size 50-150 Residentially Certified for use as a Utility Heater
- Commercially Certified (All Sizes)
- Separated or Standard Combustion All-In-One Units
- Tri-Metal Heat Exchanger for Improved Thermal Heat Transfer
- Natural or Propane (LP) Gas
- PVC/CPVC Vent Compatible
- 18-Gauge Zinc Aluminum Magnesium (ZM) Coated Steel Corrosion Resistant Cabinet
- Direct Spark Ignition System
- 321 Stainless Steel Flue Collector
- 115/1/60 Supply Voltage
- Condensate Float Switch and Trap Standard
- 10-Year Heat Exchanger, Flue Collector and Burner Warranty







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			



- 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

^{*}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.



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	er			Model Number							
		PDP 150	PDP 175	PDP 200	PDP 250	PDP 300	PDP 350	PDP 400			
BTU/Hr Input		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	For power exhausted models rated	2180	2550	2870	3700	4460	4870	5440			
Air Temp Rise (°F)	30,000 to 125,000 BTU/hr, Please see the previous page.	51	51	52	50	50	53	54			
Max Mounting Height (ft)	tilo proviodo pago.	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.



SIEBRING II

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.





Link4 – Commercial environmental, irrigation and fertigation controllers.

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.

Contactor 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.



SeedTM



- · 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 reversina
- 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, ½ open, ½ 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 ensure 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®



SensaphoneTM 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

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



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





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





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 To	orque/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











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.



GCP13:1 Gear Crank

GCP15:1 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.

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



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



Using Side Clasp Using 1.315" OD

All Items on this page are not stocked.



Griffin Construction Department

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



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.

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 µmol/s. **1000W**: 277V, 347V or 400V. 2100 µmol/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 μ mol/s. **1000W**: 208V, 240V, 277V or 347V. 2100 μ mol/s.

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

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.

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 μ mol/s and system efficacy of 2.8 μ mol/J. Integrated driver for reduced installation time and expense. Dimmable. Daisy-chainable.

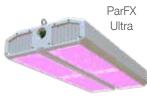
TriPlane | High output, true 1:1 HPS replacement for greenhouse and warehouse. Plug and play: integrated drivers, standard power connectors, easy mounting. Daylight spectrum for sole source applications or / RWMB_FR spectrum for supplemental lighting. Field-adjustable for site-specific optimization of distribution pattern. Up to 2203 µmol/s, 3.3 µmol/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 μmol/s and a system efficacy of 3.6 μmol/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.





Alpha

Beta



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: PARsoure AgroSun DE HPS 1000W bulb















Greater, Cost-Effective Growth

Our guidance, expert lighting plans, and state-of-the-art LED lights create the optimal solution for your grow operation

TESTIMONIAL

The Best Lighting Support

TotalGrow is pretty seamless to work with, better than almost any company I've ever worked with. Their expertise starts in guiding you through the lighting plan development. They don't miss anything. They even helped me with incorporating my existing lighting, which wasn't their product. Honestly, probably the best lighting support I've ever dealt with. I definitely wish more companies could compare to their customer service.

Adrien Alvarez
Director of Cultivation, Stash Ventures
Healthier and Less Energy

All plants we have tested (petunia, basil, and tomato) looked healthier under your TotalGrow $^{\text{TM}}$ lighting and used far less energy than the competing light sources.

Youyoun Moon, Ph.D.
Professor of Horticulture, West Virginia University

WHY TOTALGROW

Our Vision: Supporting growers and their plants to create the best horticultural lighting solutions in the most efficient, personalized, cost-effective way possible, including investigation and acquisition of utility incentives to cover up to 100% of all expenses.

REAL ASSISTANCE

While you can find a lot of companies just selling lights we stand out by providing the best customer service you'll ever receive. We always dig into the details to personalize lighting solutions—finding overlooked opportunities to increase productivity and reduce costs.

LIGHT PLANNING

We've mastered learning growers' needs, challenges, and opportunities to guide them smoothly through what can otherwise be a confusing and complicated process with risk of overspending, underperforming, and improper fits. It takes extensive first-hand experience, training, and research to be able to help growers capitalize on every opportunity to minimize expenses and maximize productivity. With our advanced light mapping and planning you will have the very best solution now and into the future.

MORE THAN 12 YEARS EXPERIENCE IN HORTICULTURAL LED LIGHTING



Optimal Lighting for Food

Built to provide high uniformity of optimum spectra to increase yields, maximize quality, and minimize operating costs. From propagation to production you'll find faster, stronger rooting and faster, larger-growing plants, supported with TotalGrow LEDs.



Optimal Lighting for Ornamentals

Developed with precise light outputs for exceptional growth of ornamental plants. Gain a competitive edge through yield consistency and quality. Controlling light to guide development from seed to sale, you'll efficiently achieve faster & stronger rooting, flowering control, and overall growth with TotalGrow LEDs.



Optimal Lighting for Cannabis

Designed to deliver exactly what cannabis cultivators need and can afford for premium-quality flower harvests with rich cannabinoid, terpene, and flavonoid profiles. Geared to be high-output yet energy- and cost-efficient, all stages of cannabis growth are supported with TotalGrow LEDs.

APPLICATION TABLE

APPLICATIONS: OFTEN / OCCASIONALLY / RARELY

									GREE	GREENHOUSE		INDOOR	
Light	Image	Description	Model	Power (W)	Efficacy Output (µmol/s)	Output jumol/s)	Spectrum (B/G/R/FR)	Large Produce	Greens/ Herbs/	Ornamental Cannabis Flowering	Cannabis	Vertical / Other	Undercanopy / Side
							,		Propagation	Flower Veg	Flower Veg Clone	Fruit Greens/ Herbs Microgreens	Lighting
		High-possessed too lighting bare large man page	099	099	2.6-2.9	1685-1865	16/26/57/1						
HI-Top		minimum-shadow, higher intensities	3H099	099	3.2	2076	12/10/78/0						
	7		345	345	2.6-3.1	907-1061	16/26/57/1						
Mezzo		Versatile mid-power light bar: moderate grow areas, lower heights, moderate intensities	100	100W	2.8	277	16/26/57/1						
			Clone 20	70	2.4	48	23/38/38/1						
			Clone 10	10	2.4	24	23/38/38/1						
	,		High Blue	20	2.5	20	31/38/30/1						
Stratum		Low-Powered, versatile indoor light bar	High Red	70	2.5	51	10/17/73/1						
			HR + FR	20	2.5	48	10/16/69/6						
			Pure Blue	20	2.9	59	100/0/0/0						
	io .		Far Red	16	2.5	40	0/0/0/100						
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	H	rlightsfor	1000W 4-Channel	1000	2.8+	2800	21/23/41/9 tunable +UV						
	\Diamond	unimate introdi growing control. Powerful tuning channels for strong crop steering.	250W 3-Channel	250	2.8	700	25/26/40/9 tunable						
Lumyre 3C		3-Channel, high-powered multi-bar lights for indoor growing with moderate crop steering.	860W 3-Channel	860	2.7	2300	18/36/42/4 tunable +UV						
Lumit	VIIII/	Maximum-value, powerful multi-bar lights	720W	720	2.7	1950	18/44/36/2						
<u>-</u>		Undercanopy lighting: increase yields & budgrades in lower	High-Red	152	33	457	11/9/79/1						
7	N.	plant levels. Also versatile for misc. mid-power lighting.	Mid-Red	150	2.8	421	21/32/46/1						
Pure Flowering Lamp	7	Trigger long-day responses, e.g. flower many ornamentals, keep cannabis vegetative	200	17	2.2	37	0/0/20/20						
\.	1	Narrow Spectrum LED lights for photomorphological	UVA	30	1.5	40	385nm						
(a)	1	responses or experimentation	Custom				280-850nm						

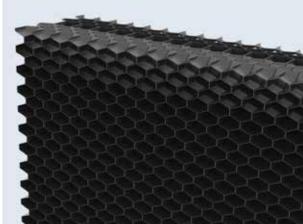


LUBING Evaporative Cooling Pad System



2026

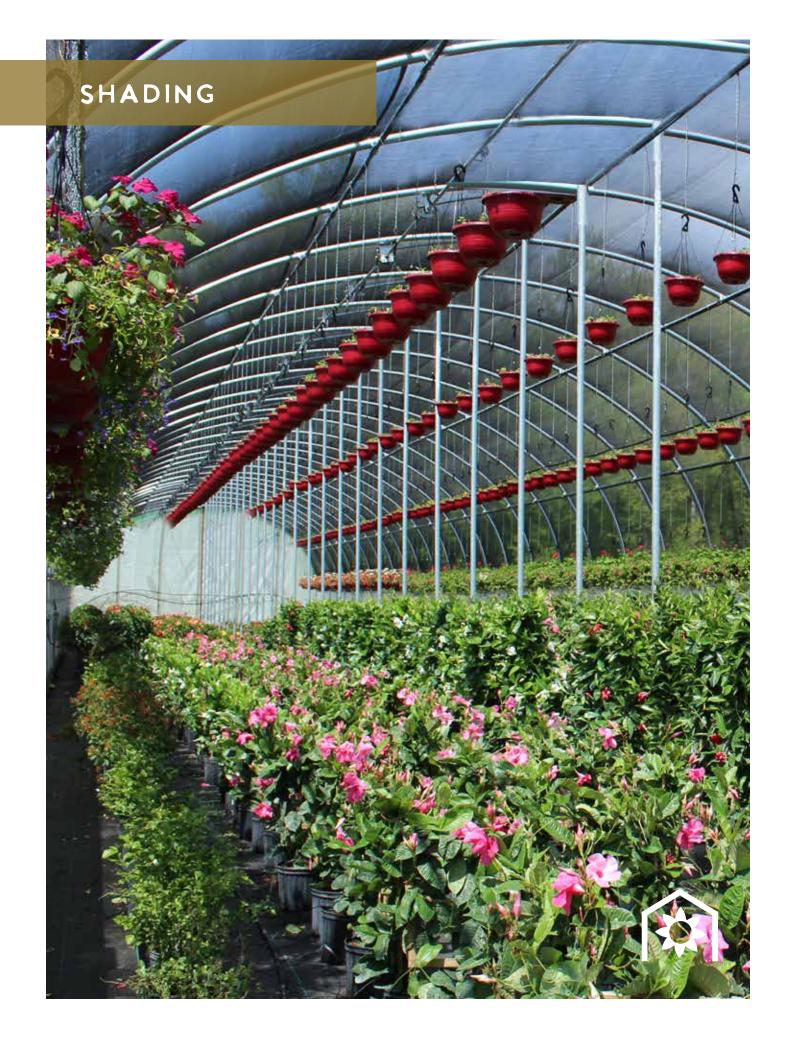




The Benefits of Lubing's Plastic Pads

- 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







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%

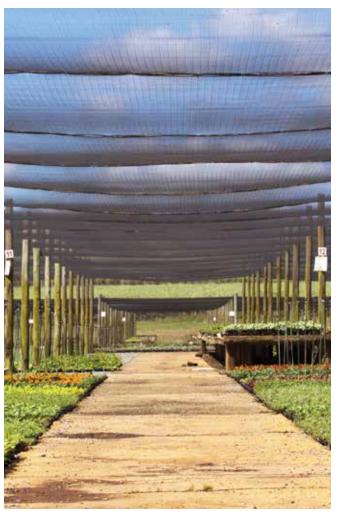


Knitted Red 50%

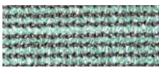


Knitted White 50%





Knitted Green 60%



Knitted Steel Grey 50%



Custom Shade



Knitted Ultra Tan 60%

Knitted Mocha 80%

• GROMMET



Knitted Black 30%



Knitted Black 40%



Knitted Black 50%



Knitted Black 60%



Knitted Black 70%



Knitted Black 80%



Knitted Alumi-Shade 50%



Knitted Alumi-Shade 70%



Insect Netting

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.



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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 X-tra Stick Binder

 Item: 16-3160
 Size: 1 gal.
 Item: 16-3150
 Size: 1 qt.

 Item: 16-3162
 Size: 5 gal.
 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® provides a range of coatings that regulate how sunlight enters the greenhouse. Depending on the season and crop needs, coatings can reflect excess heat, diffuse light more evenly, or increase light transmission during low-light periods. This allows growers to manage light and temperature more precisely throughout the year, supporting optimal crop development and consistent production.

ReduSol

ReduSol is a wear-resistant shading coating that reflects sunlight across the full spectrum, reducing both heat and PAR light. It helps protect crops from radiation stress and creates a more stable climate during high-light periods. The top pick in the ReduSystems lineup. Removal: With ReduClean.

Reduheat

ReduHeat reflects infrared (IR) radiation while allowing high transmission of PAR light. It reduces heat load without limiting light for photosynthesis, making it ideal for high-light crops in warm climates. Removal: With ReduClean.

Redufuse

ReduFuse diffuses incoming sunlight to create a more even light distribution in the greenhouse. This reduces plant stress, increases light penetration into the crop, and supports uniform growth and quality. Removal: With ReduClean for diffuse coatings.

Redufuse IR

ReduFuse IR combines light diffusion with infrared reflection. It reduces heat while spreading light evenly, making it ideal for crops that need high light but are sensitive to heat. Removal: With ReduClean for diffuse coatings.

Reduclean

ReduClean dissolves ReduSystems coatings, allowing them to rinse away with rain. It's safe for use on glass and plastic and also functions as a general greenhouse cleaner. It removes dirt, algae and leftover coatings that can block up to 10 percent of sunlight.



Item	Description	Size
16-3230	ReduSol	14,2L
16-3240	ReduHeat	13,5L
16-3290	ReduFuse	14,85L
16-3295	ReduFuse IR	13,5L
16-3286	ReduClean	20L

How Many Buckets Per Acre?

	Average buckets per acre	Net PAR shading		Average buckets per acre	Net PAR shading	Hortiscatter
ReduSol	48	37% - 48%	ReduFuse	56	2%-3%	41%-49%
ReduHeat	610	17% - 35%	ReduFuseIR	49	6%-19%	53%-86%

Note: The number of buckets can vary depending on the crop, climate, and type of greenhouse. Products need to be mixed with water, and the total amount of spraying liquid (water + coating) varies according to the application method. Net shading does not include structure.



Greenhouse Benching

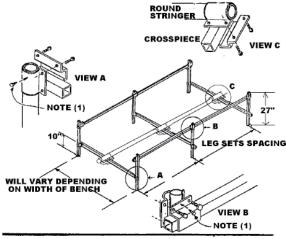
E-ZY Grower Bench Frame

Help your grower / retailer customers maximize their greenhouse space with custom E-ZY Grower Benches. Our benches can be set in concrete or placed above ground on a solid foundation. Leg sets are made of 14 gauge steel tubing. Bench framing is made of aluminum "F" rail around the perimeter, connected every 2' with a 1" sq. piece of steel tubing.

OUR FABRICATION DEPARTMENT MAKES YOUR CUSTOM ORDER EASY!

- Bench top only
- Full bench stationary or rolling
- Bench width of 3',4', 5', 5½', 6', or 6½'
- Legs set in concrete or on solid foundation
- Lengths divisible by 6' or 8' are standard, other lengths are considered custom.
- Steel corner splices





(1) AFTER IMPORTANT LEVELING OF FRAMEWORK, INSTALL A #10 X 3/4" TEK SCREW TO LOCK FRAME IN PLACE.

Advantages Offered Over The Competition:

- Bench top cross pieces are 1' x 1' and 1' x 2' 16 gauge steel; not 18 gauge as many.
- We use 1' x 2' rectangular steel where ends of expanded metal join for easier more positive support.
- For retail use we offer optional attractive high density polyethylene rounded corners.
- We use round tubing for legs for easier installation.
- Rollers are 14 gauge steel 1-3/8" not the 16 or 17 gauge that others use, or the 1-1/4" diameter tubing, which can become egg-shaped over time. Option of using 1-3/8" diameter is offered for extra long benches or benches that are heavily loaded.

Sizes:

Stock Lengths 6' or 8' Widths: 4', 5', 5.5', 6', 6.5'



Expanded Metal Sheets for Bench Tops

- Continuous Air Flow Reduces fungus by allowing unrestricted air passages.
- Extra Long Life Hot dip galvanized zinc coating after expansion. This is the best available and will greatly outlast cheaper grades that are galvanized before expansion.
- Drainage 76% open area allows pots to sit level.
- No Maintenance Soil and water drop right through the bench eliminating weed, soil, and water accumulation.
- Light Weight 94 lb. per hundred square feet.
- Low Cost You'll find this bench to be more economical than most bench material now used.

Greenhouse Benching

Benches Also Available with Black A-V Interlocking Tops

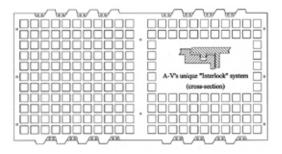




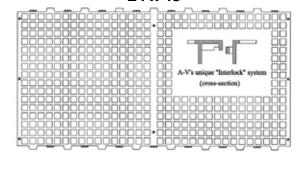


A-V PLASTIC BENCH TOP INTERLOCK DETAILS

18 x 36



24 x 48



- Two Sizes: 18" x 36" & 24" x 48"
- Easy to Clean & Disinfect
- Polypropylene, UV Protected
- No Rust, Rot, or Decay
- Strong, Durable, & Lightweight
- Suitable for Walking or Standing when Properly Supported
- Flats, Trays, & Pots Slide Easily
- No Protruding Wires or Jagged Metal Edges
- Easy, Positive Interlocking Feature, No Clips Required
- Installs on Any Type Frame
- Can be Purchased Separately





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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, ondemand 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.



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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 slivers, 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	1/2 of 48" Round Bench
36-2160	1/2 of 60" Round Bench
Item	Description
1tem 36-2045	Description 12" Plastic Leg
36-2045	12" Plastic Leg
36-2045 36-2046	12" Plastic Leg 18" Plastic Leg
36-2045 36-2046 36-2050	12" Plastic Leg 18" Plastic Leg 24" Plastic Leg

Unlimited configuration & sizes

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







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

Call for more information on mobile benching.



51 Round Display

Consists Of	Item
2- 1/2 of 60" Round Bench	36-2160
15- Legs, Any Size	



5' Round 2 Tier Display

Consists Of	Item
2- 1/2 of 60" Round	36-2160
2- 1/2 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- 1/2 of 60" Round	36-2160
2- 1/2 of 48" Round	36-2150
2- 1/2 of 36" Round	36-2140
6- 24" Plastic Legs	36-2050
6- 36" Plastic Legs	36-2065



3 Tier 1/2 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

 $^*\mbox{For 3 tier 8'}$ Island Display use 2 Wall Displays backto-back. $^*\mbox{Also}$ 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

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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: 11/4" 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



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 $12\frac{1}{2}$ gauge, $1\frac{1}{2}$ " x $1\frac{1}{2}$ " 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

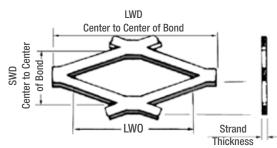
 Item:
 36-1225
 Size:
 3' x 6'

 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 DepartmentPartner 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

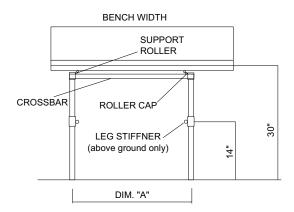
Indoor or Outdoor Complete Benching for Growing or Display

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
- ong Sanitary
- Neat
- Maintenance Free
- Clean
- Versatile



Display Benching

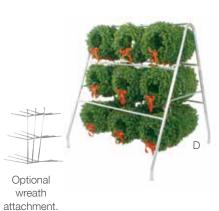
When you're looking for improved visual impact and streamlined merchandising efforts, let Poly-Tex help. They have more than just plant displays and benches—they have solutions. These displays are highly configurable and all beautifully display your flats and pots.





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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 Wreath Attachment Item: 13-BH3000 Item: 13-WREATH

All products Drop Ship FOB Factory





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

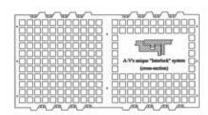
Item	Size
36-6045	18" x 36" - Fits 18", 36", 54" and 72" wide benches
36-6050	24" x 48" - Fits 24", 48", 72" and 96" wide benches

Fiberglass bench framing available as a direct ship option.

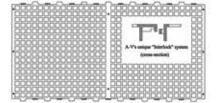








Item: 36-6045 **Size:** 18"x36" - Top

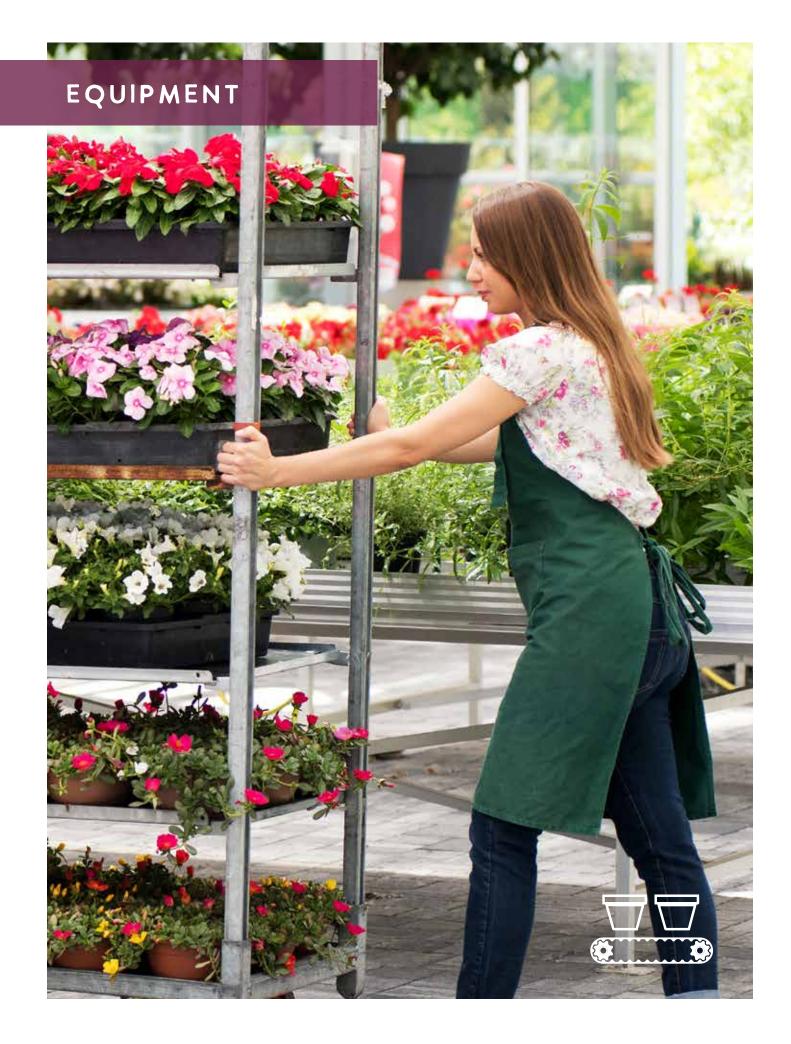


Item: 36-6050 **Size:** 24"x48" - Top

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.





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
Conveyors 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 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

"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 Nurser,

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

YEARS TO PAY OFF	0.81
DAYS TO PAY OFF EQUIPMENT	295.33
EQUIPMENT COST	\$20,125.00
ANNUAL SAVINGS	\$27,360.00
SAVINGS PER UNIT	\$0.14

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Commercial Horticulture Equipment



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 Convevors **Bale Shavers Baggers Watering Solutions Custom Equipment**

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 lastconstructed from solid steel and equipped with sealed gearboxes. Numerous options are available to customize your mixer to fit your needs.



Griffin Construction Department

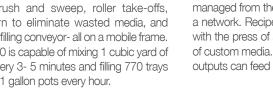
Partner with us on your next project. Call for consultation and quote: 1.800.888.0054 then press 3.

CUSTOM Equipment

If you don't see what you are looking for, ask! Pack can build it!

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.



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.



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 laver 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 convevor and custom hopper sizes.



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 highvolume 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.



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!



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 motorpowered 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 twotiered 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 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.

KNOCKOUT	ROSECHNOLOUR THE HY	DRANGEA
BATCH SIZE	AVERAGE PER MIN	PRODUCED
3000	49	155
TARGET TIME	TARGET PER MIN	+/-
180 MIN	16.6	-2845
ON TIME 100%	101AL TIME 00:03: 09	00:00:00
SETUP	RAUGE RESET	REPORTS



The POPagation Station™ Plug Popper

T.O. PLASTICS

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

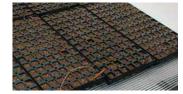


Sow the SEEDS OF SUCCESS

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.





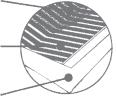
Propagation Kits

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



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:39-7025Desc:22" x 59"Wellmaster Rectan. Trans. CartItem:39-7030Desc: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.

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 461/2"L x 23"H
- Galvanized frame
- Durable plastic deck
- 71/2" 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"

SIEBRING I



$SG12\ Steam\ Generator\ (A)$

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

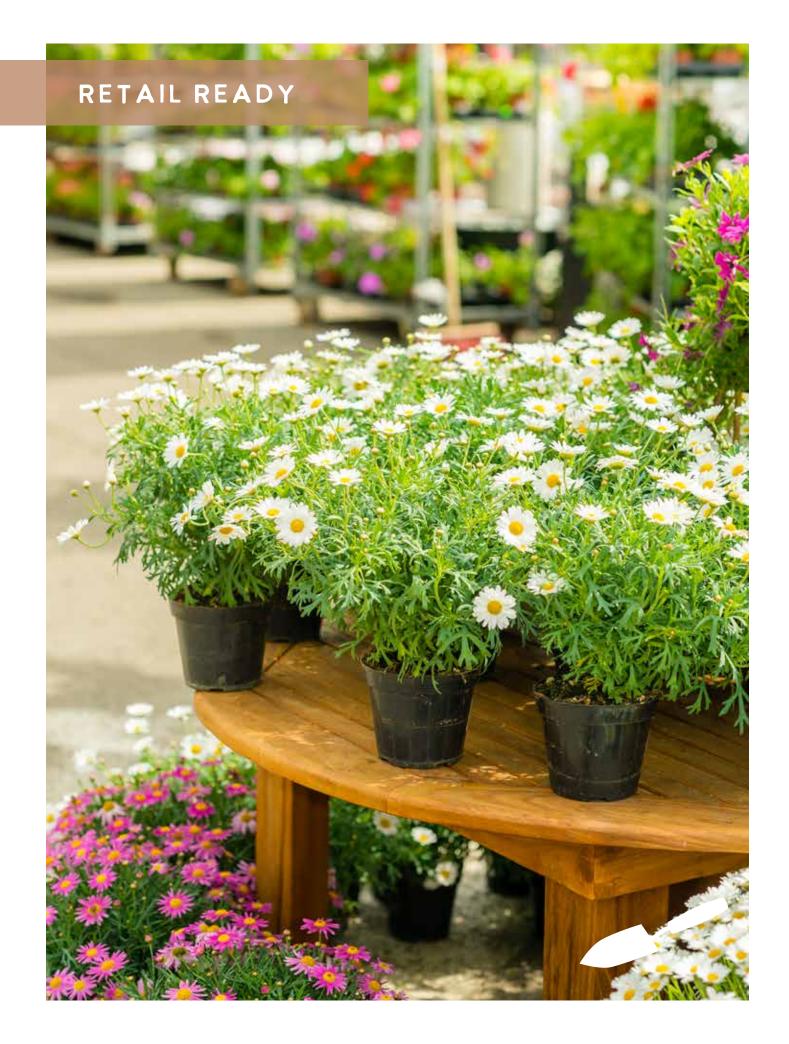
67" x 56" stainless steel cabinet available as a 7' or 10' tall model. Great for disinfecting pots, flats, or other equipment with steam. Steam port, drain ports, and temp gauge included.

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.







CUSTOM VINYL BANNERS:

Durable high quality 13oz vinyl, wind and weather resistant.

Item #	Description	UOS
PP-BA02	24" width banner	Sold by linear foot
PP-BA03	36" width banner	Sold by linear foot
PP-BA04	48" width banner	Sold by linear foot
PP-BA05	60" width banner	Sold by linear foot

INFORMATIONAL/MARKET SIGNS:





Polystyrene (thin durable material).

Item #	Description	UOS	
PP-0705	7" x 5" polystyrene signs	114pk bundle	

This option is suitable for signs that need to fit into a sign holder frame.

We offer many product templates or customize with a mix of signs to meet the bundle minimum requirement.



Pre-designed Poster Options

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

=	Item #	Description
24"	PP-1623PE	Perennials
×	PP-1623PO	Poinsettias
	PP-1623SH	Shade Annuals
16"	PP-1623SU	Sunny Annuals
	PP-1623VG	Vegetables
	PP-1623HG	Herb Garden

	Item #	Description
5	PP-2436PE	Perennials
×	PP-2436PO	Poinsettias
	PP-2436SH	Shade Annuals
7.4	PP-2436SU	Sunny Annuals
	PP-2436VG	Vegetables
	PP-2436HG	Herb Garden

DIRECTIONAL OVERHEAD SIGNAGE:



4mm coroplast with weather resistant print.

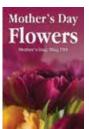
Item #	Description	UOS
PP-2412	24" x 12" coroplast 1-sided print	16pk bundle
PP-24122	24" x 12" coroplast 2-sided print	16pk bundle
PP-1208	12" x 8" coroplast 1-side print	48pk bundle
PP-12082	12" x 8" coroplast 2-side print	48pk bundle

#93992210 Sign Conversion kits are helpful so customer can add grommets and rings to each sign.

YARD, LAWN & EVENT SIGNS:







4mm coroplast with weather resistant print.

Item #	Description	UOS
PP-2424	24" x 24" coroplast 1-sided print	8pk bundle
PP-24242	24" x 24" coroplast 2-sided print	8pk bundle
PP-3624	24" x 36" coroplast 1-sided print	4pk bundle
PP-24362	24" x 36" coroplast 2-sided print	4pk bundle

#PP-SS Lg Yard Sign Holder stakes are needed for each 24"x24" Yard Sign.

Each bundle can include a mix of different signs, giving you the flexibility to choose exactly what you need—no requirement for them to be identical.

We have templates or can create something custom for you. Many other substrates available.

Call the Sign Shop at 800.888.0054 Press 8 or email request to ${\tt signs@griffinmail.com}$







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

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

























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.





























We carry many garden accessories:

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













Curtis Wagner Plastics Corp.















Sprinkler, Hoses & Wands, Watering Cans, Watering Accessories

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



















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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.































2026















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.



























Netting & Burlap, Stakes, Tomato Support and Weed Barriers

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

















2026







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.



































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

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











































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.





































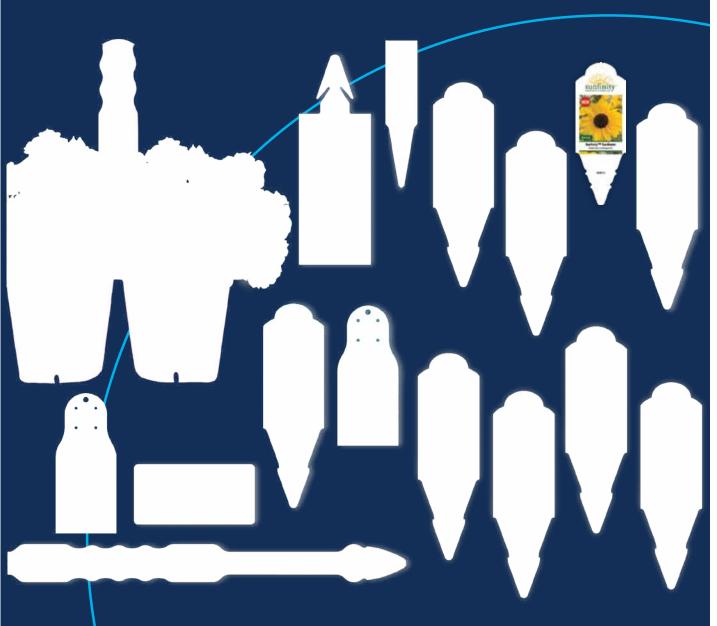




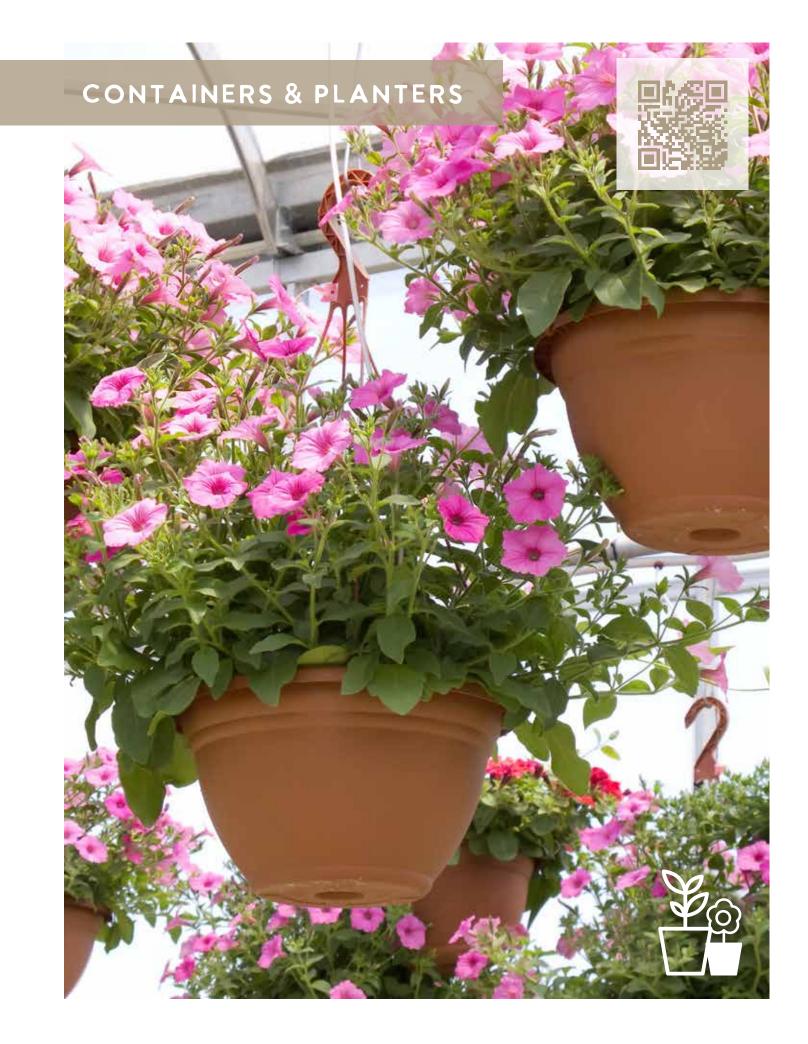




Cultivating Excellence – Your One-Stop Shop for Tags, Labels, Packaging & Merchandising Solutions



Contact Griffin to Order Today



Rooted in legacy.
Growing the future.

GROWSCAPE











At Growscape, we bring together decades of expertise from the industry's most trusted names in horticultural containers to lead the way forward. Combining the strength of legacy brands like The HC Companies and Classic Home & Garden, we are united by one mission: to help growers, retailers, and distributors succeed—sustainably and efficiently.



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

Color: Platinum Gray

Item	Description	Color	Outside Diameter	Height	Liquid Volume US	Qty/cs
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
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

Savings

	0
Purchase	Save
\$750.00	10%
\$1,500.00	15%
\$2,500.00	20%

Savings apply to all Growscape products.





Valley Blue Black





GROWSCAPE

					Liquid Volume	
Item	Description	Color	Outside Diameter	Height	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 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 Growscape products.

Decorative Planters

Clay Item	Black Item	Mocha Item	Chocolate Item#	Description	Outside Diameter	Height	Liquid Volume	Qty/cs	Hgr or pot Compatibility
Decorative E	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 I	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

 $^{^{**}\}text{Container}$ 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.



Item	Description	Color	Outside Diameter	Height	Liquid Volume	Qty/cs	Hanger Compatibility
Centabella Plant	ers						
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 Plante	ers						
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 Side	wall (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— Smo	oth Sidewall (Without saucer. Includes cap	odish.)			
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)				
51-8038	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 Sty	yle					
51-74382	51-75382	10.0 Cascade SL HB	10"	6.12"	1.34 gal.	100
Tuscan Styl	le					
51-76382	51-77382	10.0 Tuscan SL HB	10"	5.75"	1.27 gal.	100
Half Pallet	Hanging Bas	sket 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.



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 125-128

HIGH-END & HASSLE-FREE **COMBOS**

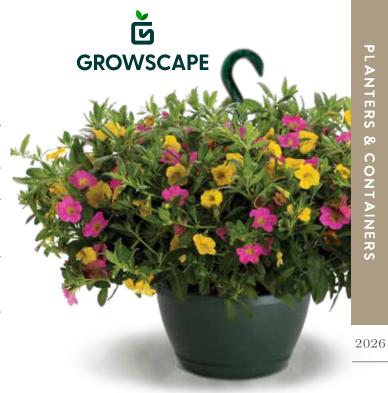
Vegetative mix programs like Kwik Kombos™ and Confetti Gardens® take the guesswork out of producing premium combos. Start with our Seed & Plant catalog or contact your Griffin sales representative!



Hanger / Basket Compatibility

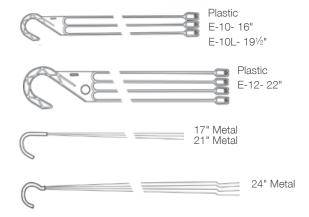
Plastic Hangers & Basket Compatibility

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	_	19½"	50
E-12 4-Strand Plastic Hanger	51-5587	51-5588	51-5598	51-5699	_		<u>-</u>	22"	25

Wire Hangers

Hanger	Item	Length (Tip to Tip)	Qty /cs
14" Hoop & Hanger Assembly for Cordova	51-5574	25½"	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



Item		Description	Color	Tray Count	Outside Diameter	Height	Liquid Volume	Qty/cs
4.00 STD TL	Dot	a and Trava					. '	
45-7012	P	4.00 STD TL Coex Pot	BK		4"	4"	1.00 pt.	1,260
45-7012	P	4.00 STD TL COEX F OT	GN		4"	4"	1.00 pt.	1,260
45-7013	<u>'</u>	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 Po	ots ar	nd Trays						
45-7812	Р	04.25 GER TL Coex Pot	BK	-	4.25"	4.25"	1.26 pt.	520
45-7814	Р	04.25 GER TL Coex Pot	GN	-	4.25"	4.25"	1.26 pt.	520
45-7813	Р	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 Po	ots ar	nd Trays						
45-7818	Р	04.50 GER TL Coex Pot	BK	-	4.5"	3.75"	1.26 pt.	720
45-7816	Р	04.50 GER TL Coex Pot	GN	-	4.5"	3.75"	1.26 pt.	720
45-7817	Р	04.50 GER TL Coex Pot	TC	-	4.5"	3.75"	1.26 pt.	720
45-7815	Р	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 -	01.0	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 Trave						
45-4246	P	01.00 Q PER TL CX Pot	GN/BK	-	4.62"	5.25"	1.0 qt.	432
45-42233	Р	01.00 Q PER TL CX Pot	CL/BK	-	4.62"	5.25"	1.0 qt.	432
45-4223	Р	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 Shor	rt Po	ts						
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	
40-11102								

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

				Tray			Liquid	
Item		Description	Color	Count	Outside Diameter	Height	Volume	Qty/cs
5.50 AZ P	ots							
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
3.00 Stand	dard	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 Sho	ort E	uro 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
5CM Tal	l Eur	ro Pots and Trays						
45-8539	Р	15CM Tall Euro CX Pot	BK/BK	-	6"	5.12"	1.65 qt.	488
45-8540	Р	15CM Tall Euro CX Pot	GN/BK	-	6"	5.12"	1.65 qt.	488
45-8541	Р	15CM Tall Euro CX Pot	TC/BK	-	6"	5.12"	1.65 qt.	488
18-2682*		6 Pocket Tray -15 CM Tall	-	6	17.87" x 11.87"	5.31"	-	50
6CM Em	ro Po	ots and Trays						
5-8503 *	1010	16CM Euro CX Pot	CL/BK		6.29"	6.69"	2.50 gt.	200
5-8501		16CM Euro CX Pot	BK/BK	_	6.29"	6.69"	2.50 qt.	200
	nt E	uro Pots and Trays	3.73.7		0.20	0.00	2.00 q	200
15-75240	ort E	17CM Short Euro CX Pot	BK/BK		6.62"	5"	2.00 gt.	300
5-75250		17CM Short Euro CX Pot	GN/BK	-	6.62"	5"	2.00 qt.	300
5-76240		17CM Short Euro CX Pot	CL/BK		6.62"	5"	2.00 gt.	300
906171		6 Pocket Tray -17 CM Short	-	6	20.25" x 13.25"	5"	-	50
		•						
	l Eur	Po Pots and Trays	DI//DI/		0.00#	0.11	0.50	
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, 21	CM a	and Mum Pan Pots and Trays						
45-8519	Р	19CM Short Euro CX Pot	BK/BK	-	7.5"	5.8"	3.00 qt.	220
45-8619T2	Р	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
15-8524T		21CM Tall Euro CX Pot	GN/BK	-	8"	7.25"	1.11 gal.	190
15-8521T		21CM Tall Euro CX Pot	BK/BK	-	8"	7.25"	1.11 gal.	190
15-3145	Р	08.00 X 05.00 Mum pan CX Pot	CL/BK	-	8"	5"	2.78 qt.	170
45-3045	Р	08.00 X 05.00 Mum pan CX Pot	BK/BK	-	8"	5"	2.78 qt.	170
45-3146	Р	08.00 X 05.00 Mum pan CX Pot	GN/BK	-	8"	5"	2.78 qt.	170
		09.00 X 06.25 Mum pan CX Pot	BK/BK	-	9"	6.25"	1.20 gal	90
45-3055							0	
45-3055 45-3155		09.00 X 06.25 Mum pan CX Pot	CL/BK	-	9"	6.25"	1.20 gal	90

*Seasonal production item, please call for availability. P = Offset Printing Available

$$\label{eq:az} \begin{split} &\text{Az = Azalea} \quad \text{Bk = Black} \quad \text{Cl = Clay} \quad \text{COEX = Co-Extruded} \quad \text{CX = Co-Extruded} \\ &\text{TRAD = Traditional} \quad \text{Per = Perennial} \quad \text{TL = Tag Locator} \quad \text{Q = Quart} \quad \text{GER = Geranium} \end{split}$$

GROWSCAPE



Co-Ex Pots & Trays

				Tray		Liquid			
Item		Description	Color	Count	Outside Diameter	Height	Volume	Qty/cs	
1.00 T1G	Squa	at Pots and Trays							
45-4620*	Р	01.00 T1G SQUAT CX Pot	CL/BK	-	6.5"	6.5"	2.5 qt.	140	
45-4120	Р	01.00 T1G SQUAT CX Pot	BK/BK	-	6.5"	6.5"	2.5 qt.	140	
45-4320	Р	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 P	ots aı	nd 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 Par	ıs - H	alf 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

$$\label{eq:alphabeta} \begin{split} \text{Az} = \text{Azalea} \quad \text{Bk} = \text{Black} \quad \text{Cl} = \text{Clay} \quad \text{COEX} = \text{Co-Extruded} \quad \text{CX} = \text{Co-Extruded} \\ \text{TRAD} = \text{Traditional} \quad \text{Per} = \text{Perennial} \quad \text{TL} = \text{Tag Locator} \quad \text{Q} = \text{Quart} \quad \text{GER} = \text{Geranium} \end{split}$$

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



	Description	Color	Tray Count	Outside Diameter	Height	Liquid Volume	Qty/cs
Р	03.50 STD TL TW Pot	GN	-	3.5"	3.25"	.687 fl oz	1,225
	CTR3512 Tray	BK	12	21.25" x 7.12"	3.25"	-	50
Р	04.00 STD TW Pot	GN	-	4"	3.5"	1.01 pt.	711
Р	04.00 STD TW Pot	CL	-	4"	3.5"	1.01 pt.	711
	CTR410 Tray	Bk	10	20" x 8"	3.63"	-	50
	TRS15400 Tray	BK		22" x 12.25"	3.56"	-	50
Р	04.00 AZ TW Pot	GN	-	4"	2.87"	.887 pt	1,980
	TRS15400 Tray	BK		22" x 12.25"	3.56"	-	50
Р	04.25 GER TL TW Pot	GN	-	4.25"	4.09"	1.25 pt.	680
	CTG42510 Tray	Bk	10	21.25" x 8.37"	4.25"	-	50
	CTG458 Tray	BK		19.62" x 10"	4"	-	50
	04.50 GER TW Pot	WH	-	4.5"	3.81"	1.26 pt.	850
Р	04.50 GER TW Pot	GN	-	4.5"	3.81"	1.26 pt.	850
	CTG4515 Tray	Bk	15	22.75" x 13.75"	4"	-	50
	CTG4512 Tray	Bk	12	18.25" x 14"	3.75"	-	50
	CTG458 Tray	BK		19.62" x 10"	4"	-	50
	P P	P 03.50 STD TL TW Pot CTR3512 Tray P 04.00 STD TW Pot P 04.00 STD TW Pot CTR410 Tray TRS15400 Tray P 04.00 AZ TW Pot TRS15400 Tray P 04.25 GER TL TW Pot CTG42510 Tray CTG458 Tray 04.50 GER TW Pot P 04.50 GER TW Pot CTG4515 Tray CTG4512 Tray	P 03.50 STD TL TW Pot GN CTR3512 Tray BK P 04.00 STD TW Pot GN P 04.00 STD TW Pot CL CTR410 Tray Bk TRS15400 Tray BK P 04.00 AZ TW Pot GN TRS15400 Tray BK P 04.25 GER TL TW Pot GN CTG42510 Tray Bk CTG458 Tray BK 04.50 GER TW Pot GN CTG4515 Tray BK CTG4515 Tray BK CTG4515 Tray BK CTG4515 Tray BK CTG4515 Tray BK	P 03.50 STD TL TW Pot GN - CTR3512 Tray BK 12 P 04.00 STD TW Pot GN - CTR410 Tray Bk 10 TRS15400 Tray BK P 04.00 AZ TW Pot GN - TRS15400 Tray BK P 04.25 GER TL TW Pot GN - CTG42510 Tray BK 10 CTG458 Tray BK 04.50 GER TW Pot GN - CTG4515 Tray BK CTG4515 Tray BK 04.50 GER TW Pot GN - CTG4515 Tray BK 04.50 GER TW Pot GN - CTG4515 Tray BK 05.00 GER TW Pot GN - CTG4515 Tray BK 15 CTG4512 Tray BK 15	P 03.50 STD TL TW Pot GN - 3.5" CTR3512 Tray BK 12 21.25" x 7.12" P 04.00 STD TW Pot GN - 4" P 04.00 STD TW Pot CL - 4" CTR410 Tray Bk 10 20" x 8" TRS15400 Tray BK 22" x 12.25" P 04.00 AZ TW Pot GN - 4" TRS15400 Tray BK 22" x 12.25" P 04.25 GER TL TW Pot GN - 4.25" CTG42510 Tray BK 10 21.25" x 8.37" CTG458 Tray BK 10 21.25" x 8.37" O4.50 GER TW Pot WH - 4.5" P 04.50 GER TW Pot GN - 4.5" CTG4515 Tray BK 15 22.75" x 13.75" CTG4515 Tray BK 15 22.75" x 13.75"	P 03.50 STD TL TW Pot GN - 3.5" 3.25" CTR3512 Tray BK 12 21.25" x 7.12" 3.25" P 04.00 STD TW Pot GN - 4" 3.5" P 04.00 STD TW Pot CL - 4" 3.5" CTR410 Tray Bk 10 20" x 8" 3.63" TRS15400 Tray BK 22" x 12.25" 3.56" P 04.00 AZ TW Pot GN - 4" 2.87" TRS15400 Tray BK 22" x 12.25" 3.56" P 04.25 GER TL TW Pot GN - 4.25" 4.09" CTG42510 Tray BK 10 21.25" x 8.37" 4.25" CTG458 Tray BK 10 21.25" x 8.37" 4.25" CTG458 Tray BK 19.62" x 10" 4" 04.50 GER TW Pot WH - 4.5" 3.81" P 04.50 GER TW Pot GN - 4.5" 3.81" CTG4515 Tray Bk 15 22.75" x 13.75" 4" CTG4515 Tray Bk 15 22.75" x 13.75" 4"	P 03.50 STD TL TW Pot GN - 3.5" 3.25" .687 fl oz CTR3512 Tray BK 12 21.25" x 7.12" 3.25" - P 04.00 STD TW Pot GN - 4" 3.5" 1.01 pt. P 04.00 STD TW Pot CL - 4" 3.5" 1.01 pt. CTR410 Tray Bk 10 20" x 8" 3.63" - TRS15400 Tray BK 22" x 12.25" 3.56" - P 04.00 AZ TW Pot GN - 4" 2.87" .887 pt TRS15400 Tray BK 22" x 12.25" 3.56" - P 04.25 GER TL TW Pot GN - 4.25" 4.09" 1.25 pt. CTG42510 Tray Bk 10 21.25" x 8.37" 4.25" - CTG458 Tray BK 10 21.25" x 8.37" 4.25" - O4.50 GER TW Pot WH - 4.5" 3.81" 1.26 pt. P 04

P = Offset Printing Available



Item		Description	Color	Tray Count	Outside Diameter	Height	Liquid Volume	Qty/cs
39E05AG	Р	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	Р	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	Р	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	Р	06.50 AZ TRAD TW Pot	GN	-	6.5"	4.93"	2.01 qt.	240
53-3185		CTAJ656 Tray	BK	6	19¾16" x 13¼"	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	Р	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	Р	08.00 x 05.00 Mum Pan TW	BK	-	8"	5.06"	3.07 qt.	150
52-3145	Р	08.00 x 05.00 Mum Pan TW	CI	-	8"	5.06"	3.07 qt.	150
52-3146	Р	08.00 x 05.00 Mum Pan TW	GN	-	8"	5.06"	3.07 qt.	150
52-3055	Р	09.00 x 06.50 Mum Pan TW	Bk	-	9"	6.56"	1.25 gal.	54
52-3155	Р	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!





2026

Item Description Color Tray Outside Dimensions Height Volume US 0ty/cs 52-3012 03.50 SQ DP PER TL TW Pot BK - 3.337° 3.93° 1.010 pt. 832 53-3012 CTS32512 Fray BK 12 19.5° x 6.62° 1.87° - 100 53-3008 CTS32518 Fray BK 18 19.87° x 9.87° 1.87° - 50 46-4184 4.00 Ultra Square Quart Wave Lock Pot BK - 3.92° 5.78° 1.0 qt. 500 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 GN - 3.96° 3.62° 1.35 pt. 846 48-7314 04.00 SQ TL TW Pot GN - 3.96° 3.62° 1.35 pt. 846 48-7314 04.00 SQ TL TW Pot GN - 3.87° 3.37° 1.16 pt. 900 53-9214 04.00 SQ Trabo TW MPot GN				Pots per			Liquid	
58-3012 CTS32512 Tray BK 12 19,5*x 6,62* 1,87* - 100 59-2008 CTS32518PF Tray BK 18 19,87*x 9,87* 1,87* - 50 59-2008 CTS32518PF Tray BK 18 19,87*x 9,87* 1,87* - 50 46-4184 4,00 Utra Square Quart Wave Lock Pot BK - 3,98* 5,66* - 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 GN - 3,96* 3,62* 1,35 pt. 846 53-3040 CTS1540 Tray BK 15 20,25*x12,25* 2* - 50 50-8214 04,00 SQ TRAD TW M Pot GN - 3,87* 3,37* 1,16 pt. 900 50-8214 04,00 SQ TRAD TW M Pot BK 15 20,00*x12,00* 4* 0,71 qt 50 50-23101 ST1540 Sutton Tray BK 15 20,00*x	Item	Description	Color	Tray	Outside Dimensions	Height		Qty/cs
63-2008 CTS3251BPF Tray BK 18 19.87" x 9.87" 1.87" - 50 48-4184 4.00 Ultra Square Quart Wave Lock Pot BK - 3.92" 5.78" 1.0 qt. 500 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 48-7314 04.00 SQ TL TW Pot BK - 3.96" 3.62" 1.35 pt. 846 48-7314 04.00 SQ TL TW Pot BK 15 2.95 x 12.25" 2" - 50 53-9400 CTS1450 Tray BK 15 20.25" x 12.25" 2" - 50 50-023502 4.0 SQ Presto Sheet Pot BK 15 20.05" x 12.00" 4" 0.71 qt 50 50-1014 ST1540 Sutton Tray BK 15 20.25" x 12.25" 2" - 50 50-24141 4.0 SQ Presto Sheet Pot GN -	52-3012	03.50 SQ DP PER TL TW Pot	BK	-	3.37"	3.93"	1.010 pt.	832
46-4184 4.00 Ultra Square Quart Wave Lock Pot BK - 3.92" 5.76" 1.0 qt. 500 53-3032 CTS410OTCXD Tray BK 10 19.87" x 7.88" 2.65" - 50 48-7214 04.00 SQ TL TW Pot BK - 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 50-24141 4.0 SQ Pot GN - 4.00" 3.5" 1.36 pt. 50 50-24141 4.0 SQ Form Pot BK - 4.	53-3012	CTS32512 Tray	BK	12	19.5" x 6.62"	1.87"	-	100
63-3032 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 50-923502 4.0 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 20.25* x 12.20* 4* 0.71 qt 50 53-1014 ST1540 Sutton Tray BK 15 20.25* x 12.25* 2* - 50 50-24141 4.0 SQ Presto Sheet Pot GN - 4.00* 3.5* 1.36 pt. 960 9010094 TLC 4.0 SQ Form Pot BK - 4.2	53-2008	CTS32518PF Tray	BK	18	19.87" x 9.87"	1.87"	-	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 48-7314 04.00 SQ TL TW Pot BK - 3.96" 3.62" 1.35 pt. 846 48-7214 04.00 SQ TRAD TW M Pot GN - 3.87" 3.37" 1.16 pt. 900 53-9440 CTS415 Tray BK 15 19.5" x 11.75" 3.37" - 50 50-023502 4.0 SQ Prest Osheet Pot BK 15 20.00" x 12.00" 4" 0.71 qt 50 50-023502 4.0 SQ Prets Osheet Pot BK 15 20.25" x 12.25" 2" - 50 50-024141 4.0 SQ Pot GN - 4.00" 3.5" 1.36 pt. 960 9010094 TLC 4.0 SQ Form Pot BK - 4" 4.93" 1.03 qt. 441 52-3215 4.5 SQ DP PER TL Pot GN - 4.2	46-4184	4.00 Ultra Square Quart Wave Lock Pot	BK	-	3.92"	5.78"	1.0 qt.	500
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 Form Pot BK 15 20.25" x 12.25" 2" - 50 90100094 TLC 4.0 SQ Form Pot BK - 4" 3.25" 1.22 pt. 1000 48-0928 4.5 SQ DP PER TL TW Pot CL - 4.21" 4.93" 1.03 qt. 441 48-7215 4.5 SQ DP PER TL TW Pot CL - 4	53-3032	CTS410QTCX0 Tray	BK	10	19.87" x 7.88"	2.65"	-	50
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 Pesto 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 48-7417 04.50 SQ Quick Lock Wave Lock Pot CL - 4.25" 3.84" 1.59 pt. 660 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK -	48-7214	04.00 SQ TL TW Pot	GN	-	3.96"	3.62"	1.35 pt.	846
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 50-023502 4.0 SQ Presto Sheet Pot BK 15 20.25" x 12.25" 2" - 50 50-024141 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 48-7417 04.50 SQ Quick Lock Wave Lock Pot CL - 4.21" 4.93" 1.03 qt. 441 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	48-7314	04.00 SQ TL TW Pot	BK	-	3.96"	3.62"	1.35 pt.	846
53-3440 CTS415 Tray BK 15 19.5"x11.75" 3.37" - 50 50-023502 4.0 SQ Presto Sheet Pot BK 15 20.00"x12.00" 4" 0.71 qt 50 53-1014 ST1540 Sutton Tray BK 15 20.25"x12.25" 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 48-7228 04.50 SQ Quick Lock Wave Lock Pot TC - 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 ST1645 Sutton Tray BK 15 </td <td>53-3040</td> <td>CTS1540 Tray</td> <td>BK</td> <td>15</td> <td>20.25" x 12.25"</td> <td>2"</td> <td>-</td> <td>50</td>	53-3040	CTS1540 Tray	BK	15	20.25" x 12.25"	2"	-	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 48-0928 4.5 SQ DP PER TL TW Pot CL - 4.21" 4.93" 1.03 qt. 441 48-72215 4.5 SQ Q DP ER TL TW Pot CL - 4.21" 4.93" 1.03 qt. 441 48-7221 4.5 SQ Quick Lock Wave Lock Pot TC - 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 48-7229 04.50 SQ Quick Lock Wave Lock Pot	50-8214	04.00 SQ TRAD TW M Pot	GN	-	3.87"	3.37"	1.16 pt.	900
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 48-7215 4.5 SQ DP PER TL TW Pot CL - 4.21" 4.93" 1.03 qt. 441 48-7217 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 BK - 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 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK 15 21.25" x 12.75" 2" - 50 415T1245 ST1645 Sutton Tray	53-3440	CTS415 Tray	BK	15	19.5" x 11.75"	3.37"	-	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 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK 15 21.25" x 12.75" 2" - 50 41ST1245 ST1545 Sutton Tray BK 15 21.25" x 12.75" 2" - 50 41ST1245 ST1045 Sutton Tray	50-023502	4.0 SQ Presto Sheet Pot	BK	15	20.00" x 12.00"	4"	0.71 qt	50
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 48-7219 04.50 SQ Quick Lock Wave Lock Pot BK - 4.25" 3.84" 1.59 pt. 660 48-7229 05.50 SQ Quick Lock Wave Lock Pot BK - 4.25" 3.84" 1.59 pt. 660 48-7219 06.50 SQ Quick Lock Wave Lock Pot BK 15 21.25" x 12.75" 2" - 50 415T1045 ST1045 Sutton Tray BK 15 21.25" x 12.75" 2" - 50 415T1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 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 15 21.25" x 12.5" 3.5" 1.35 pt. 765 53-33445 CTS4515 Tray BK 10 21" x 8.5" 3.5" 1.03 qt. 441 53-3015 CTS4510SR Tray BK 10 21" x 8.5" 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 52-4118 05.50 SQ JJM 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 - 5.33" 5.88" 2.07 qt. 240	53-1014	ST1540 Sutton Tray	BK	15	20.25" x 12.25"	2"	-	50
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 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK - 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 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK - 4.25" 3.84" 1.59 pt. 660 48-7229 04.50 SQ Quick Lock Wave Lock Pot BK 15 21.25" x 12.75" 2" - 50 415	50-24141	4.0 SQ Pot	GN	-	4.00"	3.5"	1.36 pt.	960
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 41ST1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 2" - 50 41ST1045 ST1045 Sutton Tray BK 15 21.25" x 12.75" 2" - 50 41ST1045 ST1045 Sutton Tray B	9010094	TLC 4.0 SQ Form Pot	BK	-	4"	3.25"	1.22 pt.	1000
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 41ST1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 2" - 50 48-8216 O4.50 SQ TRAD TW M Pot GN - 4.12" 3.5" 1.35 pt. 765 53-3445 CTS4515 Tray BK - 4.21" 4.93" 1.03 qt. 441 53-3015 CTS4510SR Tray BK	48-0928	4.5 SQ DP PER TL Pot	GN	-	4.21"	4.93"	1.03 qt.	441
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 41ST1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 2" - 50 41ST1045 ST1045 Sutton Tray BK 15 21.25" x 12.75" 2" - 50 48-8216 O4.50 SQ TRAD TW M Pot GN - 4.12" 3.5" 1.35 pt. 765 53-3445 CTS4515 Tray BK - 4.21" 4.93" 1.03 qt. 441 53-3015 CTS4510SR Tray BK 10	52-3215	4.5 SQ DP PER TL TW Pot	CL	-	4.21"	4.93"	1.03 qt.	441
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 41ST1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 2" - 50 41ST1045 ST1045 Sutton Tray BK 10 21.00" x 8.50" 2" - 50 41ST1045 ST1045 Sutton Tray BK 15 21.25" x 12.75" 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 - 4.21"	48-7417	04.50 SQ Quick Lock Wave Lock Pot	TC	-	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 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 52-4118 05.50 SQ JUM TL TW Pot BK - 5.03" 5.62"	48-7228	04.50 SQ Quick Lock Wave Lock Pot	GN	-	4.25"	3.84"	1.59 pt.	660
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 O4.50 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 O4.50 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"	48-7229	04.50 SQ Quick Lock Wave Lock Pot	BK	-	4.25"	3.84"	1.59 pt.	660
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"	53-1016	ST1545 Sutton Tray	BK	15	21.25" x 12.75"	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	41ST1245	ST1245 Sutton Tray	BK	12	16.87" x 12.25"	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	41ST1045	ST1045 Sutton Tray	BK	10	21.00" x 8.50"	2"	-	50
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	53-1146	KT1545 QL Tray	BK	15	21.25" x 12.75"	2"	-	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	48-8216	04.50 SQ TRAD TW M Pot	GN	-	4.12"	3.5"	1.35 pt.	765
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	53-3445	CTS4515 Tray	BK		20.63" x 12.5"	3.5"	-	50
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	52-3216	04.50 SQ DP PER TL TW Pot	BK	-	4.21"	4.93"	1.03 qt.	441
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	53-3015	CTS4510SR Tray	BK	10	21" x 8.5"	3"	-	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	53-3045	CTS1545 Tray	BK	15	21.25" x 13"	2"	-	50
52-3219 05.50 SQ DP Wave Lock Pot BK - 5.3" 5.88" 2.07 qt. 240	52-4118		BK	-	5.03"	5.62"	1.89 qt.	288
	53-3025	CTS68 Tray	BK	8	19.75" x 9.87"	3.75"	-	50
53-3020 CTS558 Tray BK 8 21.25" x 10.62" 3.87" - 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 HVWT = 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



					Liquid	
Item	Description	Color	Outside Diameter	Height	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"	31/2"	1.5 fl oz	100	TV1020P18, T Series Open Flats, TVT.P180, TRT184T0
53-6850	DPS1801 Cut	BK	21" x 10½"	31/2"	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	20 ³ / ₄ " x 12 ¹ / ₂ "	43/4"	1. 75 pt.	50	CTS4515, TCS15450

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

^{*}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 Growscape 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	
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	Standard Inserts fit most Standard Injection & Vacuum Flats
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 Inser	rts						
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	T1020R6I (Item #53-4315), TVF1020R6
53-8825	T306BP(H) (True 6 Cell Single Basket Pack)	WH	10" x 6.75"	3.5"	2.21 qt.	300	Accepts DPC Handle 2, TV1020R3, Basket Clip Handle
53-3239	DPC Utility Handle 2	WH	16.25"	-	-	1,000	For T306BP(H), SJ224HP(H), HPSJ120(H
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 Sta	ndard 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.

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



Injection Flat

1020 True Lightweight Flat SJ8520R6I Flat Sunnyside Flat

Item	Description	Color	Outside Dimensions L x W	Height	Qty/cs	Compatibility		
Standard F	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 HVWT 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 F	lats							
53-4730	SJ8520R6I SJ SH Flat	BK	20" x 8 ^{3/} 16"	2"	50	SJ606S, SJ1204JS, SJ224HP(H), SJ412QP, SJ412		
Utility Flat	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 HWVT = 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

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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 openperfect 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
Injecti	on 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
Carryal	ll 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 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

^{*}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%"	100	3 x 8
53-6815	DPS38 (Round Cell)	BK	20.75" x 10.31"	2.38"	3.62 qt	23/16"	100	
53-6825	DPS50 (Round Cell)	BK	20.75" x 10.31"	2.38"	4.76 qt	17/8"	100	5 x 10
53-6840	DPS72 (Round Cell)	BK	20" x 10"	2.75"	3.53 qt.	17/16"	100	6 x 12
53-6835*	DPS98 (Round Cell)	BK	20.75" x 10.31"	19/16"	2.88 gt.	15/16"	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

$$\begin{split} & \mathsf{BK=\,Black\ CE=Common\ Element\ DVPT=Standard\ Vacuum\ Plug\ Tray} \\ & \mathsf{E=Endless\ HX=Hexagon\ RD=Round\ Cell\ SQ=Square\ Cell} \\ & \mathsf{TVPT=True\ Vacuum\ Plug\ Tray\ VT=Ventilated} \end{split}$$

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 $^{7}\!\!$ 8" x $1^{1}\!\!$ 4" deep rows across flat for easy seeding.

Item	Description	
54-2051	20 Row Seed tray	50





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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, terracotta/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	Р	01.00 Q Perennial Pot TL TW	GN	4.75"	4.75"	1.00 qt.	475	CTQ12, CTQ8R, TCR121Q0, TCR018Q4
52-4223	Р	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	ВК	14.75" x 19.5"	4.75"	-	50	01.00 Q Perennial Pot TL TW, NRT001Q1
52-4115	Р	01.00 T1 G TL TW Pot	ВК	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

2026

Plant Support & Cages







Climbing Plant Support Cage (A)



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)

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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

2026

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CEMENT BUDDIES

Forest animal planters | Adorable addition to any home or garden.



														-
Item #	Desc	Vendor	UOS/CS	Location	Item #	Desc	Vendor	UOS/CS	Location	Item #	Desc	Vendor	UOS/CS	Location
3ird - S: (6.25" x 4'	' x 4.75" / L:	8.75" x 5	.25" x 5.5"	Owl: 4.5"	x 4.25" x	4.75" / L: 5.5	5" x 5" x 6	"	Sleeping	Cat - S:	: 7" x 4.75" x	4" / L: 8"	x 5.75" x 4.5
81791016	Rust - S	9/3411R/1	12/12	National	81791573	Rust - S	260006P-433	12/12	National	81791575	Rust - S	260010P-433	12/12	National
81791017	Nat - S	9/3411/1	12/12	National	81791565	Nat - S	260006P-396	12/12	National	81791567	Nat - S	260010P-396	12/12	National
81791018	Rust - L	9/3412R/1	6/6	National	81791572	Rust - L	260005P-433	8/8	National	81791574	Rust - L	260009P-433	6/6	National
81790079	Nat- L	9/3412/1	6/6	National	81791564	Nat- L	260005P-396	8/8	National	81791566	Nat- L	260009P-396	6/6	National
Elephant	- 7" × 5"	x 6"			Piglet - S	: 6" x 3.7	5" x 3.5" / L:	7.5" x 4.7	75" × 4"	Sleeping	Dog: 7"	x 6.25" x 3.2	5"	
81791571	Rust	260004P-433	8/8	National	81791578	Rust - S	260014P-433	12/12	National	81791576	Rust - S	260011P-433	6/6	National
81791563	Natural	260004P-396	8/8	National	81791570	Nat - S	260014P-396	12/12	National	81791568	Nat - S	260011P-396	6/6	National
					81791577	Rust - L	260013P-433	8/8	National					
Frog - S:	5.75" x 4	.75" x 4" / L:	7.5" x 6"	x 5.5"	81791569	Nat- L	260013P-396	8/8	National	Snail - S:	5.75" x 4	1.5" x 4.25" / I	.: 8" × 6"	x 5.5"
81791027	Rust - S	9/3431R/1	18/18	National						81791031	Rust - S	9/3471R/1	12/12	National
81791028	Nat - S	9/3431/1	18/18	National	Rabbit - S	3: 6" x 4.	75" x 3.75" / l	L: 8" × 6"	x 4.5"	81791032	Nat - S	9/3471/1	12/12	National
81791029	Rust - L	9/3432R/1	8/8	National	81791019	Rust - S	9/3441R/1	12/12	National	81791033	Rust - L	9/3472R/1	4/4	National
81791030	Nat- L	9/3432/1	8/8	National	81790089	Nat - S	9/3441/1	12/12	National	81790076	Nat- L	9/3472/1	4/4	National
					81791020	Rust - L	9/3442R/1	6/6	National					
Hedgeho	g - S: 5'	' x 4.25" x 3" /	/ L: 7.75	" x 6" x 4.25"	81790088	Nat- L	9/3442/1	6/6	National	Turtle - S:	:6" x 4.7	75" x 3.5" / L	.: 7.75" x	6" x 4.5"
81791021	Rust - S	9/3431R/1	18/18	National						81791024	Rust - S	9/3451R/1	12/12	National
81791022	Nat - S	9/3431/1	18/18	National	A11	anim	als have	remo	vable	81791025	Nat - S	9/3451/1	12/12	National
81791023	Rust - L	9/3432R/1	8/8	National		_	ninage p			81791026	Rust - L	9/3452R/1	6/6	National
81790078	Nat- L	9/3432/1	8/8	National		un	iiiige p	ınzs.		81790077	Nat- L	9/3452/1	6/6	National



Cam the Sloth Planter

No drainage, great for drop ins! TOD Height 5.7' x 4.3"







Animal Tray

4.13" x 3.74"

Item #	Desc	Vendor	CS/UOS	Location
81792561	12 Count Mixed Tray	K90100P-000	12/12	National

Large MouthFish Planter

Cement planters opening diameter 3 1/2" - overall height 4 1/4" - V 0.34 gal. Removable drainage p

060000 04	E4 16/16	Matianal
Vendor	CS/UOS	Location
Volume plug		

Item #	Desc	Vendor	CS/UOS	Location
81792119	Weathered Bronze	260023-C154	16/16	National
81792118	Light Earth	260023-C147	16/16	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	



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

Bear Planter

Heavy cement planter with removable drainage plug. TOD 7.08" | Height 5.82"

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Item #	Desc	Vendor	CS/UOS	Location
81792431	Bear Planter	260082P-028	8/8	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

NATURAL **BROWN**



LIGHT EARTH

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

Cow Planter

Heavy cement planter with removable drainage plug, perfect for succulents or houseplants. TOD Height 6.5" x 4.7" 8.6" x 5.9"

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



Item #	Desc	Vendor	CS/UOS	Location
81792506	12" Shadow Grey Planter	1612CP40D-653P	40/40	National
81792504	12" Antique Copper Planter	1612CP40D-174PB	40/40	National
81792515	14" Shadow Grey Planter	1620CP29D-653P	29/29	National
81792512	14" Antique Copper Planter	1620CP29D-174PB	29/29	National
81792513	14" Antique Copper	1620CP29D-174PB	29/29	National
81791111	17" Antique Copper Bowl	615D-174PB	32/32	National
81792531	17" Shadow Grey Bowl	615D-653P	32/32	National

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Item #	Desc	Vendor	CS/UOS	Location
81792559	8 Count Mixed Tray	K90097P-396	1/1	National



Happy Face Tray

6.5" x 5.71" *sold as set

Item #	Desc	Vendor	CS/UOS	Location
81792560	6 Count Mixed Tray	K90099P-089	1/1	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

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

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) *sold as set





Item #	Desc	Vendor	CS/UOS	Location
81792406	4" Sage & Denim	K90080-000	1/1	National
81792410	6" Sage & Denim	K90078-000	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

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

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



Haverhill Planters

Item #	Desc	Vendor	CS/UOS	Location		
PLANT	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		
81791141	12" Antique Copper	FM1402D-174PB	30/30	National		



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

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

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

Bellina Planter

Item #	Desc	Vendor	CS/UOS	Location
81791075	8" Fossil	50D-039T	50/50	East
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
81791104	13" Blue Jean	554D-252R	48/48	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

2026

Metallic Red

Terranova Cylinder











Item #	Desc	Vendor	CS/UOS	Location
81792586	8" Black	TN8CP24D-001P	24/24	National
81792587	8" Sand Stone	TN8CP24D-045P	24/24	East
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
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
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	East

Arc Bowl Planter

Georgia Clay

With Drainage plug 12.5"x8.5"x5.25"



573D-093

Jake Planter

81792083

14" Resin planter straw finish with drainage. Feels and looks real! Overall height 10" -Holds 4 gallon volume



20/20

National

Item #	Desc	Vendor	CS/UOS	Location
81792628	12" Teak Brown	2018D825P	12/12	East
81792627	12" Straw	2018D587R	12/12	East
81792085	14" Straw	2014D-587R	12/12	National





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







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"

Item #	Desc	Vendor	CS/UOS	Location
81791372	Rectangle	13013	2/2	National
81791373	Round	13014	2/2	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



SUTTON PARK COLLECTION

Elegant design | Pre-drilled holes allow for drainage.











Item #	Desc	Vendor	CS/UOS	Location		
WINDOW	ВОХ					
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		

Item #	Desc	Vendor	CS/UOS	Location
ROUNI)			
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	East
81791308	13" Oil Rubbed Copper	1403CP30D-164PB	30/30	National
81791307	13" Slate	1403D-287PB	30/30	National



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



Item #	Desc	Vendor	CS/UOS	Location
81792128	11" HB Antique Copper	1400D-173PB	30/30	National
81792242	20" Window Box Antique Copper	1405D-174PB	24/24	National
81791060	11" Round Antique Pewter	1404D-173PB	24/24	National

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GROWSCAPE

ACACIA WOOD COLLECTION



Item #	Desc	Vendor	CS/UOS	Location
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



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



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



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



Self-Watering Raised Garden Bed

Item #	Desc	Vendor	CS/UOS	Location	
81792439	30"	740000P-101	4/4	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

Item #	Desc	Vendor	CS/UOS	Location
81792614	6" Delphina Blue	10106CP26D-1119V	26/26	National
81792615	6" Forest Shade	10106CP26D-1120V	26/26	National
81792466	6" Pure White	10106CP26D-789V	26/26	National
81792342	8",10",& 12"- White	10111D-622V	1/1	National



Corinthian Collection

Bowl: Drainage hole Trough: Removable drainage plug Round: Drainage holes







Cast

Concrete

	Copper	0.0	pla
r	CS/UOS	Location	Ch
			x 6

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
ROUN	D			
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
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
TROU	GH			
81791735	10" Trough Storm	9410-515 CP	36/36	National
81791732	10" Trough Cast Concrete	9410-060 CP	36/36	National
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

Birch Oval Planter

Beautiful Birch oval resin anter, with no drainage. hoose from two sizes. 12" L 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



Bedrock Planter

Item #	Desc	Vendor	CS/UOS	Location
81792089	5" Charcoal	405D-101VB	100/100	East
81792087	5" Country Blue	405D-580VB	100/100	East
81792088	5" Ivory Ash	405D-586VB	100/100	East

Mumkin Pot



Item #	Desc	Vendor	CS/UOS	Location
81791896	9" w/ face w/drain	1801D-050R	50/50	National

Tahoe Planter

Made from durable and unique proprietary blend of resins. The texture gives the illusion of aged wood without the fragility and weight. Features a removable drain plug. Great for indoor or outdoor use.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80282163	15" Slate	770932836120	KTS15000A55	4/4	National

Nursery Containers

These pots are mainstay in the lawn and garden industry. Great for all your potting needs. Strong rims for handling. Includes drainage holes.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80282009	#2 Black	56554205057	NSB002G0G18	50/50	National
80282010	#3 Black	56554105050	NSR003G0G18	25/25	National

Olympia Urn

Inspired by ancient urns, the elegant rings and majestic contours of the Olympia Urn create the ideal planter to add to any outdoor setting. Works well on driveways, flanking a garage door, or an exterior door. Timeless design with long lasting plastic construction.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80290210	16"	56554731051	RUA16000G18	8/8	National







Sand Stone Black Chocolate

Venetian Flower Box

Add beauty to balconies, patios, walls, fences, and window sills with the durable, light-weight Venetian Window Box. Includes removable drain plugs.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80280036	18" Clay	032903128185	VNP18000E35	6/6	National
80280043	24" Clay	032903128246	VNP24000E35	6/6	National
80280044	24" Sand Stone	032903453423	VNP24000A34	6/6	National
80282119	24" Black	032903913002	VNP24000G18	6/6	West
80290136	24" Chocolate	032903002874	VNP24000E21	6/6	West
80280051	30" Clay	032903128307	VNP30000E35	6/6	National
80282120	30" Black	032903913033	VNP30000G18	6/6	West
80280793	30" Chocolate	032903002904	VNP30000E21	6/6	West

Venetian Box Tray

Add beauty to your window box with this window box saucer.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80280024	24" Clay	032903123241	SVN24000E35	6/6	National
80282122	24" Black	770932836939	SVN24000G18	6/6	West
80280797	24" Chocolate	032903002362	SVN24000E21	6/6	West
80282123	30" Black	770932836946	SVN30000G18	6/6	West
80280800	30" Chocolate	032903002430	SVN30000E21	6/6	West

Deck Rail Planter

The deck rail box is designed with thick, durable plastic wall construction. Features easy to remove drain plugs for maximum drainage. Earth tone color choices perfect for outdoor spaces. 24" L x 12" W. Fits both 2" x 4" and 2" x 6" deck rails.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80282114	24" - Sandstone	032903914856	SPX24DB0A34	5/5	National
80290131	24" - Chocolate	770932002693	SPX24DB0E21	5/5	National
80282116	24" - Clay	032903914849	SPX24DB0E35	5/5	National
80282117	24" - Black	770932836861	SPX24DB0G18	5/5	National

Romana Deck Planter

Removable drain plugs for indoor and outdoor use.

Raised feet allow for drainage and air circulation. Larger size perfect for landscaping, patios and pool side settings. Coordinates with Romana Deck Planter.



2026

GROWSCAPE

Green Grower Pot

An economical poly growing pot for new plants and cuttings. Ideal for a wide variety of planting applications. Durable and long lasting.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80281515	4"	770932100009	STR04000B71	36/36	West
80281519	8"	770932099006	AZE08000B71	18/18	National
80281523	12"	770932011008	AZN12000B71	12/12	West

Jack O'Lantern Pot Happy and scary face painted on

either	side,	great	for the	fall season. Fiber Cla	y with drair	nage holes.
Item	#	Desc	UPC	Vendor	CS/UOS	Location

Item #	Desc	UPC	Vendor	CS/UOS	Location
80281501	10"	032903915167	PPF10001Y28C008	8/8	National

Green Grower Plastic Saucer



Item #	Desc	UPC	Vendor	CS/UOS	Location
80281525	4"	770932042002	SNA04000B71	24/24	West
80281527	6"	770932043009	SNA06000B71	36/36	West
80281529	8"	770932045003	SNA08000B71	18/18	West

Orion Pot

Modern two-toned faux finish planter with contemporary raised base design. Self watering two-piece planter.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282900	6"-Sage	770932845931	ORP06000K29	16/16	National
80282899	6"-Greige	770932845900	ORP06000K28	16/16	National
80282901	6"-Clay	770932845962	ORP06000K30	16/16	National
80282903	8"-Sage	770932846020	ORP08000K29	12/12	National
80282902	8"-Greige	770932845993	ORP08000K28	12/12	National
80282904	8"-Clay	770932846051	ORP08000K30	12/12	National
80282906	10" -Sage	770932846112	ORP10000K29	12/12	National
80282905	10" -Greige	770932846082	ORP10000K28	12/12	National
80282907	10" -Clay	770932846143	ORP10000K30	12/12	National

Charcoal Aspen Planters

Fiberglass construction is more rigid than plastic and less breakable than ceramic. Contemporary design with grooved texture and globe shape. Durable and weather resistant.



Avino Square Planter

These plastic containers are very durable and lightweight This makes them great for performing outdoor gardening on your patio, porch, or deck These containers will not crack nor color-fade over time.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80290219	16" Oxidized Black	056554105814	AOS16000P29	6/6	National

8" Pixie Succulent Stacking Planter

Mini stacking planter includes three planting layers and a saucer to protect surfaces. Includes a drain hole in each cup on every level for proper succulent care. Holds a minimum of 10 planted succulents. Coordinates with our complete line of succulent planters sold separately.



	Item #	Desc	UPC	Vendor	CS/UOS	Location
	80282493	Vanilla Bisque	770932840776	SPP08000A58	4/4	National
	80282494	Artisan Taupe	770932840783	SPP08000E67	4/4	National



Euro Hanging Basket

Euro Hanging Basket has a basket rim for hooks to attach to, making it an effective way to display plants.

ay		
ndor	CS/UOS	Location
2000A10	12/12	West

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282273	12" White	770932839763	HSI12000A10	12/12	West
80282275	12" Clay	770932839787	HSI12000E24	12/12	West

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Metallic Hanging Basket

The metallic hanging baskets are beautiful and functional, the perfect addition to any indoor/outdoor setting.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80282518	12" Bronze	770932840325	HBM12000H22	10/10	West



Sprite Succulent Pot

Plastic succulent planter has the look of ceramic and concrete without the fragility. Features a drain hole for proper succulent drainage and care.

_					
Item #	Desc	UPC	Vendor	CS/UOS	Location
80282495	2.5" Vanilla Bisque	770932840790	SSP02500A58	20/20	National
80282496	2.5" Artisan Taupe	770932840813	SSP02500E67	20/20	National
80282497	2.5" Faux Concrete	770932840837	SSP02500G28	20/20	National
80282851	2.5" Faux Turquoise	770932844149	SSP02500K22	20/20	National
80282850	2.5" Blush	770932844125	SSP02500K21	20/20	National
80282498	3" Vanilla Bisque	770932840806	SSP03000A58	20/20	National
80282499	3" Artisan Taupe	770932840820	SSP03000E67	20/20	National
80282500	3" Faux Concrete	770932840844	SSP03000G28	20/20	National
80282898	3" Faux Concrete/ Copper	770932841360	SSP03000K- 20C040LRCOY	40/40	National
80282855	5" Artisan Taupe	770932844026	SSP05000E67	12/12	West
80282858	5" Faux Turquoise	770932844101	SSP05000K22	12/12	West
80282859	7" Vanilla Bisque	770932844057	SSP07000A58	12/12	National



Caribbean Pot

Capture the soul and style of the Caribbean with these light-weight, durable Caribbean Planters. Removable drain plugs for indoor or outdoor use. Planters can be partnered with Classic Saucers. Contoured base protects plants from excess water.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80281832	12" Clay	032903123128	CNA12000E35	12/12	National

Garden Bowl

Perfect for shallow rooted plantings





and colorful annuals. For maximum appeal, add this Garden Bowl to tables, ledges, stands, or any kind of posts. Removable drain plugs allow for indoor or outdoor use. Compatible with Classic Saucers.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80280022	12" Clay	032903127126	GAB12000E35	12/12	National
80290085	12" Chocolate	032903001914	GAB12000E21	12/12	West
80282477	12" Warm Gray	770932840202	GAB12000A42	12/12	West
80280032	14" Clay	032903127140	GAB14000E35	12/12	National
80290111	18" Chocolate	032903003130	GAB18000E21	6/6	National
80282479	18" Warm Gray	770932839879	GAB18000A42	6/6	West



Capri Bowl

Get the look of ceramic and concrete, without the fragility, with these attractive and modern succulent planters made of durable plastic. The planters feature a drain hole for proper succulent care.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282504	8" Vanilla Bisque	770932840660	CSB08000A58	20/20	National
80282505	8" Artisan Taupe	770932840684	CSB08000E67	20/20	National
80282506	8" Faux Concrete	770932840707	CSB08000G28	20/20	National

PRIMA SERIES

These plastic containers are very durable and lightweight. This makes them great for performing outdoor gardening on your patio, porch, or deck. These containers will not crack nor color-fade over time.





6" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282654	6"-Dusty Teal	770932842084	PCP06005DE1	24/24	National
80282655	6"-Twilight Blue	770932842404	PCP06005DE6	24/24	National
80282650	6"-Sand Stone	770932842480	PCP06005A34	24/24	National
80282651	6"-Warm Gray	770932842565	PCP06005A42	24/24	National
80282653	6"-Honey	770932842244	PCP06005CXX	24/24	National
80282657	6"-Cappuccino	770932841841	PCP06005E29	24/24	National
80282659	6"-Marsala	770932842329	PCP06005FD2	24/24	National
80282652	6"-Evergreen	770932842169	PCP06005B91	24/24	National
80282658	6"-Terra Cotta	770932842008	PCP06005E35	24/24	National

6" Saucers

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282742	6"-Dusty Teal	770932842961	PCS06005DE1	24/24	East
80282743	6"-Twilight Blue	770932843289	PCS06005DE6	24/24	East
80282738	6"-Sand Stone	770932843364	PCS06005A34	24/24	East
80282739	6"-Warm Gray	770932843449	PCS06005A42	24/24	National
80282741	6"-Honey	770932843128	PCS06005CXX	24/24	East
80282745	6"-Cappuccino	770932842725	PCS06005E29	24/24	National
80282747	6"-Marsala	770932843203	PCS06005FD2	24/24	East
80282740	6"-Evergreen	770932843043	PCS06005B91	24/24	East
80282746	6"-Terra Cotta	770932842886	PCS06005E35	24/24	National

8" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282665	8"-Dusty Teal	770932842091	PCP08005DE1	24/24	National
80282666	8"-Twilight Blue	770932842411	PCP08005DE6	24/24	National
80282661	8"-Sand Stone	770932842497	PCP08005A34	24/24	National
80282662	8"-Warm Gray	770932842572	PCP08005A42	24/24	National
80282664	8"-Honey	770932842251	PCP08005CXX	24/24	National
80282668	8"-Cappuccino	770932841858	PCP08005E29	24/24	National
80282670	8"-Marsala	770932842336	PCP08005FD2	24/24	National
80282663	8"-Evergreen	770932842176	PCP08005B91	24/24	National
80282669	8"-Terra Cotta	770932842015	PCP08005E35	24/24	National

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282753	8"-Dusty Teal	770932842978	PCS08005DE1	24/24	East
80282754	8"-Twilight Blue	770932843296	PCS08005DE6	24/24	East
80282749	8"-Sand Stone	770932843371	PCS08005A34	24/24	East
80282750	8"-Warm Gray	770932843456	PCS08005A42	24/24	East
80282752	8"-Honey	770932843135	PCS08005CXX	24/24	East
80282756	8"-Cappuccino	770932842732	PCS08005E29	24/24	East
80282758	8"-Marsala	770932843210	PCS08005FD2	24/24	East
80282751	8"-Evergreen	770932843050	PCS08005B91	24/24	East
80282757	8"-Terra Cotta	770932842893	PCS08005E35	24/24	East







Twilight Blue

Sand Stone

Evergreen

Warm Gray

Terra Cotta

Honey

	Item #	Desc	UPC	Vendor	CS/UOS	Location
	80282687	12"-Dusty Teal	770932842114	PCP12005DE1	12/12	National
	80282688	12"-Twilight Blue	770932842435	PCP12005DE6	12/12	National
	80282683	12"-Sand Stone	770932842510	PCP12005A34	12/12	National
	80282684	12"-Warm Gray	770932842596	PCP12005A42	12/12	National
	80282686	12"-Honey	770932842275	PCP12005CXX	12/12	National
	80282690	12"-Cappuccino	770932841872	PCP12005E29	12/12	National
	80282692	12"-Marsala	770932842350	PCP12005FD2	12/12	National
	80282685	12"-Evergreen	770932842190	PCP12005B91	12/12	National
	80282692	12"-Marsala	770932842350	PCP12005FD2	12/12	National
	80282691	12"-Terra Cotta	770932842039	PCP12005E35	12/12	National
-						

10" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282676	10"-Dusty Teal	770932842107	PCP10005DE1	12/12	National
80282677	10"-Twilight Blue	770932842428	PCP10005DE6	12/12	National
80282672	10"-Sand Stone	770932842503	PCP10005A34	12/12	National
80282673	10"-Warm Gray	770932842589	PCP10005A42	12/12	National
80282675	10"-Honey	770932842268	PCP10005CXX	12/12	National
80282679	10"-Cappuccino	770932841865	PCP10005E29	12/12	National
80282681	10"-Marsala	770932842343	PCP10005FD2	12/12	National
80282674	10"-Evergreen	770932842183	PCP10005B91	12/12	National
80282680	10"-Terra Cotta	770932842022	PCP10005E35	12/12	National
80282678	10"-Chocolate	770932841940	PCP10005E21	12/12	National

10" Saucers

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282764	10"-Dusty Teal	770932842985	PCS10005DE1	12/12	East
80282765	10"-Twilight Blue	770932843302	PCS10005DE6	12/12	East
80282760	10"-Sand Stone	770932843388	PCS10005A34	12/12	East
80282761	10"-Warm Gray	770932843463	PCS10005A42	12/12	National
80282763	10"-Honey	770932843142	PCS10005CXX	12/12	East
80282767	10"-Cappuccino	770932842749	PCS10005E29	12/12	National
80282769	10"-Marsala	770932843227	PCS10005FD2	12/12	East
80282762	10"-Evergreen	770932843067	PCS10005B91	12/12	East
80282768	10"-Terra Cotta	770932842909	PCS10005E35	12/12	East

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282775	12"-Dusty Teal	770932842992	PCS12005DE1	12/12	East
80282776	12"-Twilight Blue	770932843319	PCS12005DE6	12/12	East
80282771	12"-Sand Stone	770932843395	PCS12005A34	12/12	East
80282772	12"-Warm Gray	770932843470	PCS12005A42	12/12	National
80282774	12"-Honey	770932843159	PCS12005CXX	12/12	East
80282778	12"-Cappuccino	770932842756	PCS12005E29	12/12	National
80282780	12"-Marsala	770932843234	PCS12005FD2	12/12	East
80282773	12"-Evergreen	770932843074	PCS12005B91	12/12	East
80282779	12"-Terra Cotta	770932842916	PCS12005E35	12/12	National





Warm Gray

Cappuccino Marsala

16" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282709	16"-Dusty Teal	770932842138	PCP16005DE1	12/12	National
80282710	16"-Twilight Blue	770932842459	PCP16005DE6	12/12	National
80282705	16"-Sand Stone	770932842534	PCP16005A34	12/12	National
80282706	16"-Warm Gray	770932842619	PCP16005A42	12/12	National
80282708	16"-Honey	770932842299	PCP16005CXX	12/12	National
80282712	16"-Cappuccino	770932841896	PCP16005E29	12/12	National
80282714	16"-Marsala	770932842374	PCP16005FD2	12/12	National
80282707	16"-Evergreen	770932842213	PCP16005B91	12/12	National
80282713	16"-Terra Cotta	770932842053	PCP16005E35	12/12	National
80282711	16"-Chocolate	770932841971	PCP16005E21	12/12	National

14" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282698	14"-Dusty Teal	770932842121	PCP14005DE1	12/12	National
80282699	14"-Twilight Blue	770932842442	PCP14005DE6	12/12	National
80282694	14"-Sand Stone	770932842527	PCP14005A34	12/12	National
80282695	14"-Warm Gray	770932842602	PCP14005A42	12/12	National
80282697	14"-Honey	770932842282	PCP14005CXX	12/12	National
80282701	14"-Cappuccino	770932841889	PCP14005E29	12/12	National
80282703	14"-Marsala	770932842367	PCP14005FD2	12/12	National
80282696	14"-Evergreen	770932842206	PCP14005B91	12/12	National
80282702	14"-Terra Cotta	770932842046	PCP14005E35	12/12	National

16" Saucers

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282797	16"-Dusty Teal	770932843012	PCS16005DE1	12/12	National
80282798	16"-Twilight Blue	770932843333	PCS16005DE6	12/12	National
80282793	16"-Sand Stone	770932843418	PCS16005A34	12/12	National
80282794	16"-Warm Gray	770932843494	PCS16005A42	12/12	National
80282796	16"-Honey	770932843173	PCS16005CXX	12/12	National
80282800	16"-Cappuccino	770932842770	PCS16005E29	12/12	National
80282802	16"-Marsala	770932843258	PCS16005FD2	12/12	National
80282795	16"-Evergreen	770932843098	PCS16005B91	12/12	National
80282801	16"-Terra Cotta	770932842930	PCS16005E35	12/12	National
80282799	16"-Chocolate	770932842855	PCS16005E21	12/12	National

Item	n #	Desc	UPC	Vendor	CS/UOS	Location
8028	32786	14"-Dusty Teal	770932843005	PCS14005DE1	12/12	National
8028	32787	14"-Twilight Blue	770932843326	PCS14005DE6	12/12	National
8028	32782	14"-Sand Stone	770932843401	PCS14005A34	12/12	National
8028	32783	14"-Warm Gray	770932843487	PCS14005A42	12/12	National
8028	32785	14"-Honey	770932843166	PCS14005CXX	12/12	National
8028	32789	14"-Cappuccino	770932842763	PCS14005E29	12/12	National
8028	32791	14"-Marsala	770932843241	PCS14005FD2	12/12	National
8028	32784	14"-Evergreen	770932843081	PCS14005B91	12/12	National
8028	32790	14"-Terra Cotta	770932842923	PCS14005E35	12/12	National







24" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282731	24"-Dusty Teal	770932842152	PCP24005DE1	6/6	National
80282732	24"-Twilight Blue	770932842473	PCP24005DE6	6/6	National
80282727	24"-Sand Stone	770932842558	PCP24005A34	6/6	National
80282728	24"-Warm Gray	770932842633	PCP24005A42	6/6	National
80282730	24"-Honey	770932842312	PCP24005CXX	6/6	National
80282734	24"-Cappuccino	770932841919	PCP24005E29	6/6	National
80282736	24"-Marsala	770932842398	PCP24005FD2	6/6	National
80282729	24"-Evergreen	770932842237	PCP24005B91	6/6	National
80282735	24"-Terra Cotta	770932842077	PCP24005E35	6/6	National

20" Planters

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282720	20"-Dusty Teal	770932842145	PCP20005DE1	6/6	National
80282721	20"-Twilight Blue	770932842466	PCP20005DE6	6/6	National
80282716	20"-Sand Stone	770932842541	PCP20005A34	6/6	National
80282717	20"-Warm Gray	770932842626	PCP20005A42	6/6	National
80282719	20"-Honey	770932842305	PCP20005CXX	6/6	National
80282723	20"-Cappuccino	770932841902	PCP20005E29	6/6	National
80282725	20"-Marsala	770932842381	PCP20005FD2	6/6	National
80282718	20"-Evergreen	770932842220	PCP20005B91	6/6	National
80282724	20"-Terra Cotta	770932842060	PCP20005E35	6/6	National
80282722	20"-Chocolate	770932841988	PCP20005E21	6/6	National

20" Saucers

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282808	20"-Dusty Teal	770932843029	PCS20005DE1	6/6	East
80282809	20"-Twilight Blue	770932843340	PCS20005DE6	6/6	East
80282804	20"-Sand Stone	770932843425	PCS20005A34	6/6	East
80282805	20"-Warm Gray	770932843500	PCS20005A42	6/6	East
80282811	20"-Cappuccino	770932842787	PCS20005E29	6/6	East
80282806	20"-Evergreen	770932843104	PCS20005B91	6/6	East

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282819	24"-Dusty Teal	770932843036	PCS24005DE1	6/6	East
80282820	24"-Twilight Blue	770932843357	PCS24005DE6	6/6	East
80282815	24"-Sand Stone	770932843432	PCS24005A34	6/6	East
80282816	24"-Warm Gray	770932843517	PCS24005A42	6/6	East
80282818	24"-Honey	770932843197	PCS24005CXX	6/6	East
80282822	24"-Cappuccino	770932842794	PCS24005E29	6/6	East
80282824	24"-Marsala	770932843272	PCS24005FD2	6/6	East
80282817	24"-Evergreen	770932843111	PCS24005B91	6/6	East
80282823	24"-Terra Cotta	770932842954	PCS24005E35	6/6	East



Santa Fe Square Planter

Decorate the exterior of your home and bring your front/ backyard to life with the help of The Santa Fe Square Self-Watering Planter. Perfect for succulents, vegetables, flowers, and anything in between, this portable house planter is excellent for any indoor or outdoor setting.



Item #	Desc	UPC	Vendor	CS/UOS	Location
80282350	12" Pebble Gray	770932839275	SKS12000A56	10/10	West
80282351	12" Cavern Clay	770932839251	SKS12000E66	10/10	West
80282352	12" Black	770932839237	SKS12000G27	10/10	West
80282382	16" Black	770932839244	SKS16000G27	8/8	West



Deco Faceted Bowl

Get the look of ceramic and concrete, without the fragility, with these uniquely designed succulent planters made of durable plastic. The planters feature a drain hole for proper succulent care. The Deco Faceted Bowls come in 6"or 8"- perfect for multi-plantings. The planters coordinate with our complete line of succulent planters.

Item #	Desc	UPC	Vendor	CS/UOS	Location
80282488	6" Artisan Taupe	770932840738	DFB06000E67	24/24	National
80282489	6" Faux Concrete	770932840752	DFB06000G28	24/24	National
80282491	8" Artisan Taupe	770932840745	DFB08000E67	24/24	National
80282492	8" Faux Concrete	770932840769	DFB08000G28	24/24	National
80282490	8" Vanilla Bisque	770932840721	DFB08000A58	24/24	National



Pizzazz Resin Pottery Planter

Item #	Desc	UPC	Vendor	CS/UOS	Location
80280289	16" Red	032903915808	PZA16000Y35	6/6	West

Curio Planter w/ Geometric Stand

Contemporary, indoor, decorative planter that will brighten any room. The included reversible plastic stand painted with a metallic finish provides the ability to display this planter in multiple ways. Perfect for center pieces, book shelves, windows and counter tops. Recommended for succulents, herbs, tropical plants and other indoor varieties.









Item #	Desc	UPC	Vendor	CS/UOS	Location
80282603	4" Blush	770932844200	CUP04000K21	10/10	National
80282604	4" Lavender	770932844248	CUP04000K23	10/10	National
80282605	4" Cottage Stone	770932844224	CUP04000K25	10/10	National
80282606	4" Honey	770932844262	CUP04000K26	10/10	National
80282607	5" Artisan Taupe	770932844934	CUP05000E67	10/10	National
80282608	5" Blush	770932844965	CUP05000K21	10/10	National
80282609	5" Lavender	770932844651	CUP05000K23	10/10	National
80282610	5" Cottage Stone	770932844996	CUP05000K25	10/10	National
80282611	5" Honey	770932844644	CUP05000K26	10/10	National



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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

Geometric Ceramic 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
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

Yellow Sun Cement Pot

Bella Planter





Item #	Desc	Vendor	CS/UOS	Location
81792198	4.3'' x 4''	210054P-396	16/16	National

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	20/20	National
81791042	10" Metallic Red	1255-098M	20/20	National



Dotted Ceramic 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
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

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ROUND PLANTER



HANGING PLANTER



TALL PLANTER



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
HANGIN	G 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 PL	ANTER			
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

Curtis Wagner Plastics Corp.



Clear Vinyl 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	2.5" Clear Vinyl Propagation Dome	50



Clear Vinyl Propagation Dome

This 4.5"H Propagation Dome fits any standard 10" x 20" seed tray. Used for propagation cuttings. Uniquely designed ribbed top keeps water from pooling in center. Produced using the clearest recyclable plastic.

Item	Description	Qty/cs
81080246	4.5" Clear Vinyl Propagation Dome	40



Black Propagation Tray

10 x 20 Seed Tray. Designed to hold soil or compost and allows for the germination and growth of seeds into seedlings.

Item	Description	Qty/cs
81080333	Black Propagation Tray	40



Propagation Dome & Tray Kit

This 10 x 20 seed tray is paired with a 2.5" propagation dome. Crafted from durable, heavy gauge plastic that's made in the USA, it offers exceptional quality and reliability. Case pack 10

Item	Description	Qty/cs
81080344	Propagation Dome & Tray Kit	10

I GROWSCAPE

Custom Container Printing

- 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.



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.

Adhesive Labeling -

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.

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 **Growscape branding products**





Branded Containers

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

Sunfinity	
50-5750 Sunfinity Printed 16cmT – 2.5 Qt Pots 3	85
50-5751 Sunfinity Printed 22cmT – 1.5 Gal Pots	50
97-350751 Mastertag Sunfinity Sunflower Tag MT#2245272	25
Sun Patiens	
50-5741 SunPatiens 12cmT (4.5") Printed Pot 1,4	125
50-5748 SunPatiens 15cmT (6") Printed Pot 6	00



Top Outside Max Dry Max Liquid Vendor Description Item Depth **Dimensions** Volume Volume Qty/cs 59-6031 750400C RP-433 (Pint Pot) 3.84" 4.33" 33.70 cu. in. 1.17 (pt) 750 59-6034 750552C RP-490 (Quart Pot) 4.90" 4.90" 57.86 cu. in. 1.00 (qt) 600 RP-650 (Trade Gallon Pot) 59-6037 750652C 6.50" 6.50" 146.15 cu. in. 2.53 (qt) 300

Round Pot Carry Trays

for the quart round pot.

- The best and most versatile trays in the industry
- Fits the majority of size-appropriate pots from a variety of manufacturers



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	T.O. Plastics 750400C, T.O. Plastics 750652C	50
59-7048	755815C	10-count Carry Tray for 425 Germanium Pot	T.O. Plastics 750400C	50
59-7049	755818C	12-count Carry Tray for 425 Germanium Pot	T.O. Plastics 750400C	50
59-7051	755823C	15-count Carry Tray for 425 Germanium Pot	T.O. Plastics 750400C	50
59-7053	755550C	8-count Carry Tray for Quart Pots	T.O. Plastics 750552C	50
59-7054	755560C	12-count Carry Tray for Quart Pots	T.O. Plastics 750552C	50
	_			



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 T.O. Plastics.



Plug Trays for Automatic Seeders | Compatible with all automatic seeders. Measure 11"x 21.22" 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	1.06"	1.47"	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						
59-720725	720725C	SureRoots 18 Pop Bottom Plug Tray	3 x 6	3.00"	4.00"	25
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



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





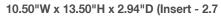
11.25"W x 15.00"H x 2.75"D

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





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



Item Vendor Description /		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

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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
59-2022	700112C	3.25 Sq. Deep Pot - Tag Slot	4.00"	3.31"	28.09 cu. in.	0.97 pt.	600
59-2031	700026C	3.5 Sq. Deep Pot	3.50"	3.52"	31.43 cu. in.	1.08 pt.	450
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 (non-stock)	12.88"	21.19"	2.13"	50

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Sheet Pots

			Tray Di	mensions	Cell Dime	ensions	Volume Per Cell	Volume Per Cell	
Item	Vendor	Description	Width	Length	Depth	Тор	Max Dry	Max Liquid	Trays/cs
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 T	rays		Tray Di	mensions	Cell Dim	nensions	Volume Per Cell	Volume Per Cell	
Item	Vendor	Description	Width	Length	Depth	Тор	Max Dry	Max Liquid	Qty/cs
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.









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

12" & 14" Saucerless Hanging Baskets (A)

Includes: Wire hanger and inside Saucer.

				Qty/cs
Bao	Green	11.75" x 7"	2.28 gal.	25
	Green	11.75" x 7"	2.28 gal.	25
	Green	14" x 8.25"	3.96 gal.	25
	White	14" x 8.25"	3.96 gal.	25
	Black	14" x 8.25"	3.96 gal.	25
	Terra- cotta	14" x 8.25"	3.96 gal.	25
	erless Basket Hanger	erless Basket Hanger erless Basket Hanger erless Basket Hanger rless Basket Terra-	Green 11.75" x 7" erless Basket Hanger erless Basket Hanger erless Basket Hanger rless Basket Terra- 14" x 8.25"	Green 11.75" x 7" 2.28 gal. erless Basket Hanger Green 11.75" x 7" 2.28 gal. erless Basket Hanger Green 14" x 8.25" 3.96 gal. rless Basket Hanger White 14" x 8.25" 3.96 gal. rless Basket Hanger Black 14" x 8.25" 3.96 gal. rless Basket Hanger Tersa 14" x 8.25" 3.96 gal.

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

Hanging GardenTM (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 3½" square and a 4" square. Pot Size: 31/2" x 27/8".

Maxi Squares | 18 square 4" pots. Save space in greenhouse. Ideal for use with flat fillers. Pot Size: 3½" x 3½".

Jumbo Squares | 8 square pots with the same soil content as a 61/2" Azalea, but only 51/4" 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



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	31/4" sq x 37/8" deep	1600
49-6216	Nu-Pot 5	43/8" sq x 43/4" 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 TutorTM

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	31/4"	50

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.

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 3/8"	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 5/16" x 12 1/16" x 3 3/4"H	100
49-6271	11cmH-10ct Filling Tray (4.25" round pots)- black	21" X 7 1/4" X 3" 1/2" H	100
49-6174	12cmH-15ct Filling Tray (4.5" round pots)- black	23 % _{16"} x 13 ¾ _{4"} 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 %"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 ½" 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 %16"	3 ½"	TRC	2340
49-5300	Janor 4.0 Std Pot / 10cmT	3 15/16"	3 %16"	Black	1680
49-5402	Janor 4.25 Std Pot / 11cmH	4 3/8"	3 %16"	Green	2000
49-5600	Janor 4.5 Ger Pot / 12cmH	4 ¾"	3 15/16"	Black	1425
49-5210	Janor 4.5 Ger Pot / 12cmH	4 ¾"	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	53/8"	61/2"	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"	61/8"	TRC	360
49-6503	Janor Full Gal Pot / 19cmT	71/2"	71/4"	TRC	270
49-6806	Janor 1.5 Gal Pot / 22cmT	85/8"	77/8"	TRC	150
49-6805	Janor 1.5 Gal Pot / 22cmT	85/8"	77/8"	Black	150

Square

Item	Description	Width	Height	Color	Qty/cs
49-5311	Janor 2 Quart Square Pot	53/8"	6½"	Black	480

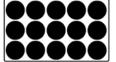
Color Imprinting on the Pots

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.

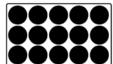


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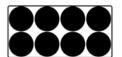




4"-15, 100/cartonCarries 15, 4" round pots 12¹/₁₆" × 20⁵/₁₆" × 3³/₄"



4½" -15, 50/cartonCarries 15, 4½" round pots 13 ¾" x 23 5/16" x 4"



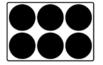
5 ½" T8 Tray, 50/cartonCarries 8, 5½" pots
11" x 22" x 4 5%"



6" Aza T6 Tray, 50/cartonCarries 6, 6" round pots 11 ½" x 18" x 4 ½"



5" H8 Tray, 50/cartonCarries 8, 5" round pots 10" x 20" x 4¹/₂"



Trade Gallon H6, 50/carton Carries 6, 6 11/16" round pots
Carries 6, 6" round pots
16 ½: × 20" × 6 ½"



- Label compatible
- Strong and flexible
- One year quality guarantee

economy line of blow-molded containers. This container is designed to get your plants to market efficiently. It is available in sizes from ½ to 10 gallon.

Item	Description	Color	Size d x h	CCY*	Qty/Stk	Qty/Plt
52-1530	#200C Custom	Blk	6"x6"	438	125	14,750
41PT275C	#275C Custom ½ 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/s" x 7 ¹ /4"	275	100	9,200
41PT350C	#350C Custom 1 gal mum pan	Blk	8" x 51/8"	264	130	8,320
41PT400CN2	#400C Custom 1 gal	Blk	7¾" x 7"	202	92	6,440
41PT550CTCN2	#550C Custom 1 1/4 gal mum pan	TC	9" x 61/8"	167	97	4,850
41PT550CN2	#550C Custom 1 1/4 gal mum pan	Blk	9" x 61/8"	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	101/s" x 7 ¹ /2"	104	75	2,700
41PT1000CN2	#1000C Custom 2 1/2 gal	Blk	101/8" x 91/8"	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	111/8" x 101/8"	57	47	1,316
411600SC	#1600SC Custom 2.87 gal	Blk	11 %" x 7 %"	70	47	1,316
412000C	#2000C Custom 5 gal	Blk	111//8" x 11"	53	44	1,232
41PT2100CN	#2100C Custom Squat 5 gal	Blk	14" x 9%"	39	31	837
41PT2800CN	#2800C Custom 7 gal	Blk	14" x 11 ¹ /2"	34	31	837
Olympian - Heavier v	veight than Custom					
41PT4000BXL	#4000BXL Olympian 9 gal	Blk	15 ¾ "x 15"	23	27	432
41PT4000SBXL2	#4000SBXL Olympian Squat	Blk	15" x 12 ½"	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 gal	Blk	18 3/8" x 12 1/8"	19	19	285
Large Classic Contai	ners					
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.

Mursery Supplies® A CRED COMPANY

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	95/8" x 91/2"	75	44	1,584
41PT2000EG	#EG 2000 3.93 gal	107/8" x 11" 1/8"	51	35	980
52-1689	#EG2800-S Squat 5.5 gal	13 ¾" x 10"	34	20	640
52-1692	#EG2800 6 gal	13 ¾" 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	17½" x 12½"	19	17	170
41PT6900EGN2	#EG 6900 13 gal	17½" x 15½"	16	17	170
41PT8000SEG	#EG 8000-S Squat 13 gal	19½" x 12"	15	18	144
41PT8000EG	#EG 8000 20 gal	19½" 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 ½"	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	61/8" x 61/2"	306	80	7,360
52-35501	PF400 True #1 gal	Black	1.0 gal	7½" x 7½"	202	85	5,440
52-3565	PF600 #2 trade gal	Black	1.5 gal	8½" x 8½"	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 ½" 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.

	Purchase	Save
Savings	\$500.00 \$1,250.00 \$2,000.00	5% 10% 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



Injection Molded

- Strong and rigid
- Tier stacking
- Label, hot stamp and printing compatible
- Tag slots available on some sizes



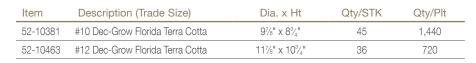
Item	Description	Color	Dia. x Ht.	CCY*	Qty/Stk	Qty/Plt
52-113531	NS300 0.65 gal Polytainer	Blk	6" x 6 1/8"	311	55	6,490
52-11402	NS600 1.73 gal Polytainer	Blk	8 ½" x 8 ½"	117	48	2,880
52-35809	NS1400 3.58 gal Polytainer	Blk	10 x 12	57	37	1,332
52-11403	NS5S Squat 3.58 gal Polytainer	Blk	11 ¼" x 9 %"	57	41	1,148
52-11801	NS7S Squat 6.2 gal Polytainer	Blk	14" x 11 1/4"	33	24	576

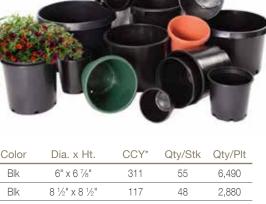
^{*}CCY= Number of containers necessary to hold a cubic yard of soil.

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





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.

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

³ Tower minimum per item is required.









Knockout Rose and Drift

Item	Description	Volume	Qty/Stk	Qty/Plt
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.





Cell

Plug Sheets, Plug Trays, Seedling Trays

Item	Description	Depth	Cell Top Dia.	Config.	Compatible Trays	Qty/cs
PLUG SH	EETS: Lighter gauge best supported with use of an ur	nder tray. Inquire	about additional cell cou	unts		
132-2159	72 Square Plug Sheet with Root Channels	2.38"	1.63"	6x12	L1020NCR, IL1020ISSN	100
132-2028	38 Round Plug Sheet	2.38	2.25	3x8 / 2x7	L1020NCR(N), IL1020ISSN	100
132-2153	50 Round Plug Sheet	2.38	2.00	5x10	L1020NCR(N), IL1020ISSN	100
132-2165	72 Round Plug Sheet	2.38	1.50	6x12	L1020NCR(N), IL1020ISSN	100
PLUG TR. 132-2474	AYS: Can be self-supportive without use of an under to T 50 Plug Tray	tray for many app	lications. Ask about add	itional cell counts 5x10	including hexagonal & octagonal shapes	70
132-2721	P 50 Plug Tray	2.25	1.75	5x10	N/A	100
132-2045	72 Square Plug Tray Deep	2.38	1.63	6x12	N/A	100
SEEDLIN	G TRAYS: Rugged plug trays with additional cell de	pth				
132-2169	72 Seedling Tray	3.25"	1.63"	6x12	L1020NCR, IL1020ISSN	50
132-2186	50 Seedling Tray	4.50	1.88	5x10	N/A	55

Round Thermoform Standard Pots

Item	Description	Outside Top Diameter	Height	US Liquid Volume	Compatible Trays	Qty/cs
132-2126	4.00 Round Standard Maxi-Grow Pot	4.00	3.49	1pt	LN4TP10, 4TP15PS	825
132-2288	4.33 Deep Standard Maxi-Grow Pot with tag slot	4.33"	5.00"	1.58 pt	43DTH10	540
132-2815	4.50 Round Standard Maxi-Grow Pot	4.50	4.02	1.37pt	45TP8, 45TP10, 45TPS10, 45TP12, 45TPPP	450
132-2399	6.50 Nursery Trade Gallon Pot	6.50"	6.50"	2.50 qt.	ЗОТСТ, ЗОТСТНО	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
132-2525	4.00 Transport Tray (10)	3.72	20.38	8.13	4RMGT, IR400MG	75
132-2207	4.33 (11 cm) Transport Tray (10)	4.06"	21.63"	8.63"	43RMGT	100
132-2638	4.33 Deep Transport Tray (10)	5.00	21.50	8.50	43DRMG	75
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
132-2787	6.50 Trade Gal Transport Tray (6)	6.63	19.63	13.00	65NTGT, INCTGAL	50



Round Azalea Thermoform Pots

Please contact your Griffin Representative for color options

			Outside Top			Compatible	
Item	Description	Color	Diameter	Height	Liquid Volume	Trays	Qty/cs
132-2290	5.00 Azalea Maxi-Grow TF Pot	Black	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
132-2350	8.00 Mum Maxi-Grow TF Pot		8.00	5.00	3.04qt	N/A	300
132-2347	9.00 Mum Maxi-Grow TF Pot		9.00	5.90	1.18gal	N/A	100

Square Thermoform Pots

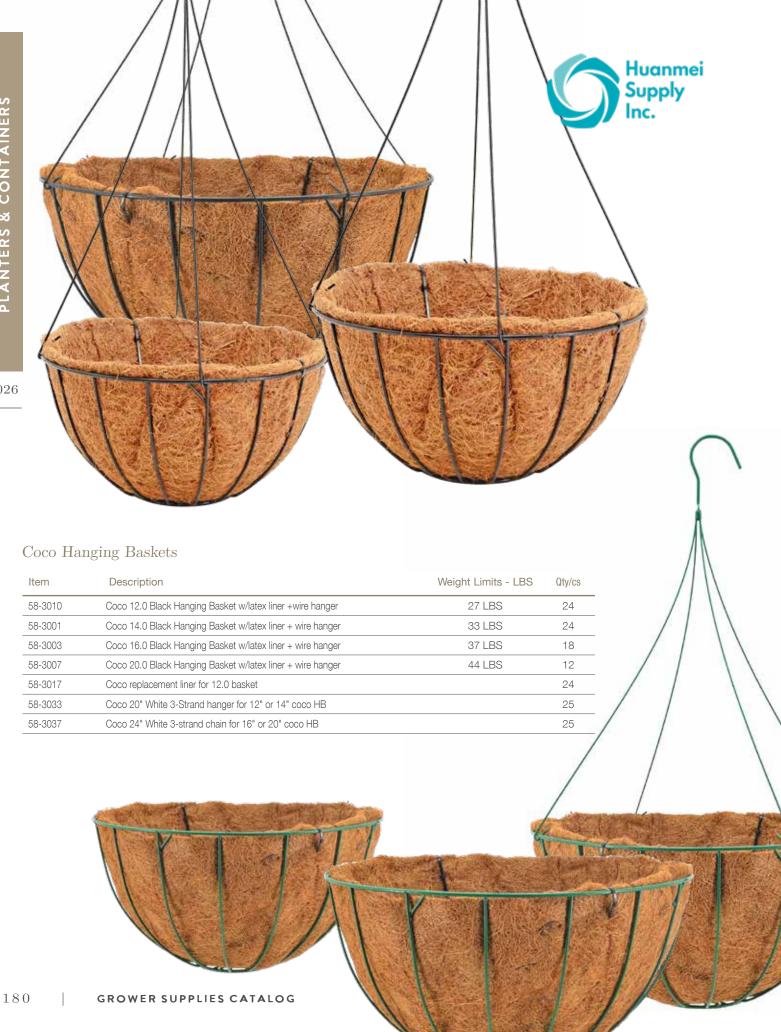
Item	Description	Outside Top Diameter	Height	Liquid Volume	Compatible Trays	Qty/cs
SQUARE T	F POTS / PRESS-FIT POTS					
132-2092	3.00 Sq Press-Fit Pot	2.63"	2.25"	6.00 fl oz	LPF32TRY	800
132-2081	3.00 Sq Pot Deep with Root Channels	2.63"	3.50"	9.50 fl oz	LPF32TRY	800
132-2246	4.00 Sq Press-Fit Pot	3.50"	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
132-2342	4.00 Sq Press-Fit Pot Deep with Root Channels	3.50	5.02	1.52 PT	LPF18TRY	450
SHEET OF	POTS					
132-2036	4.50 Sq Sheet of Pots (15)	3.65"	4.09"	1.55 pt	LPF15TRY	100

Trays for Square Thermoform Pots

Item	Description	Tray Depth	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 S	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
132-2131	L 1801 Pack	2.33	3.10	3.10	100
STANDARD L S	SERIES TRAY: Compatible with L Series Inserts shown all	bove			
132-2067	L 1020 Injection Molded Web Tray Solid Side	2.50"	21.00"	10.50"	50
132-2263	L 1020 No Center Rib With Holes	2.33	21.22	10.80	100
132-2184	L 1020 No Center Rib No Holes	2.33	21.22	10.80	100
TRUE T SERIE	SINSERTS				
132-2101	T 804 Pack	2.61	2.28	2.24	100
TRUE T SERIE	S TRAY: Compatible with T Series Inserts shown above				
132-2256	T Injection Molded Tray	2.63"	20.00"	10.00"	100



MULTI-FORMES



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 Hoo	k 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	6 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



Item	Model	Qty/cs
51-90174	14" Half Basket #750-60	12

Half Basket and Flower Box (G)

Item	tem Model		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 (H)

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



Orders must be booked by September 30th to guarantee availability.

84-1108F12 84-1108F14



Item	Size / Description	Qty/cs
Random Wover	1	
84-1108F12	12" Square Hanging Basket	20
84-1108F14	14" Square Hanging Basket	20

84-PL110314

84-130814 14" Square Cone 15 84-120814 14" Round Cone 15 14" Wall Planter Wire Decor 84-S1708 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

0	The Hearta Hariging Conc. Boomic	
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

Hanging Baskets include wire hanger.

84-PL110414

Orders must be booked by September 30th to guarantee availability.

14.0 Round Hanging Basket - Black/Grey/White



Random Woven

84-120814



84-PL2102F14

84-21002H

84-PL21013H

84-PL250212

Palm Leaf Rope & Fern

Plastic Palm Leaf & Twig

Plastic Maize Rope & Fern



12" Hive Hanging Cone

14" Square Hanging Basket

14" Oval Planter with Handle

14" Oval Planter with Handle

20

15

15

15







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 & Fern



Brushwood & Green Moss
Square Hanging Cone







Plastic Brushwood and Palm Leaf Wall Planter

Item	Size	Qty/cs	
Brushwood & Gree	Brushwood & Green Moss		
84-2308A14	14" Square Hanging Cone	15	
84-2208A14	14" Round Hanging Cone	15	
Brushwood & Ferr	1		
84-230912	12" Square Hanging Cone	15	
84-2709	14" Wall Planter	15	
84-21009H	14" Oval Planter with Handle	15	
Plastic Brushwood	d & 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.



Peck Basket



½ Peck Basket



Bushel Basket with

Item	Description
59-2200	Bushel Basket W/Handles (32 Qt) -
59-2202	1/2 Bushel Basket W/Handles (16 Qt) -
59-2205	Peck Basket (8 Qt) -
59-2208	1/2 Peck Basket (4 Qt) -
95-RB04016T	1/2 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.



$EcoGrow^{TM}$

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

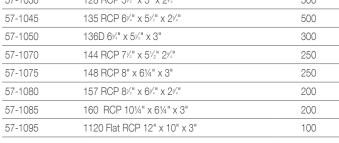
GROWSCAPE

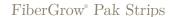
FIBER W

North America's No. 1 fiber pack!

- De-nest quickly
- No sharp edges
- Breathe like clay
- Insulate roots
- Forgive overwatering

Item	Description	Qty/cs
57-1030	128 RCP 5½" x 5" x 2¾"	500
57-1045	135 RCP 6¾" x 5½" x 2¾"	500
57-1050	136D 6¾" x 5½" x 3"	300
57-1070	144 RCP 7½" x 5½" 2¾"	250
57-1075	148 RCP 8" x 61/4" x 3"	250
57-1080	157 RCP 8½" x 6¾" x 2¾"	200
57-1085	160 RCP 101/4" x 61/4" x 3"	200
57-1095	1120 Flat RCP 12" x 10" x 3"	100





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 198.

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 15¾" x 2¾"	50
57-1255	NC142 Strip 15½" x 13¾" 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 3 ³ / ₄ "	400
58-1060	2R44H Round	4" x 3 ³ / ₄ "	500
58-1065	2R55 Round	5" x 4 ³ / ₄ "	250
58-1075	2R65 Round	5¾" x 5½"	100



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GROWSCAPE











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 71/2" 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 Grommeted 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 grommeted for hangers (hangers sold separately)

Item	Vendor	Description	Qty/cs
58-145212	FHB10000WAX	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	8½" x 8¾"	40
58-1175	3R910 2.3 gal.	9¾" 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 13½"	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	9½" x 6½"	25
58-1190	3R1106 10.75" Pot	10¾" x 6"	30
Bulk FiberGrow			
58-10901	2R86 8.5" Mum Pan Bulk	8½" x 5¼"	1,200



FIBER V



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' 21/2" x 1.315" OD x 17 GA Swedge Purlin Pipe





AquaSav[™] Grower Coco Baskets, Planters and Accessories

How it's Built 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

A	AquaSav	Coco Critters			Top Diameter	US Liquid	
	Item	Description	Vendor	Color	x Height	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



Nursery Containers

Western's Premium Molded Fiber construction yields an extremely strong, water-resistant, and durable container.

Microporous, wax permeated fiber breaths 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



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
888514	8885-014	Nylon barbed hanger for 10" & 12" eyelet baskets	n/a	22/bag (20 bags/cs)
888534	8885-034	Clip on 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

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
106112	1061-012	12" Clover Planter	no	20







12" Clover







$CowPots^{{\scriptscriptstyle \mathsf{TM}}}$

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
60-4004	3" Round	840	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
60-40141	4" Square Tall	132	Dillen CTS 1545 / ITML TRK1045
60-4007	5" Square	192	Dillen CTS 68
60-40081	5" Round	160	Dillen VTA 558
60-40091	6" Square	54	N/A
60-40102	6" Round	42	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
60-4015	3" Sixcell Tray	120	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

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

Long Fiber Sphagnum Moss Bale

For use in wire hanging baskets

Item	Description
20-204500*	3.5 Cubic Ft Bale



Refer to page 242 for milled Sphagnum Moss used for seed propagation.

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.

Cell	Brand	Cell Shape	Туре	Tray Size (Inch)
36	TO	Star	Tray	10.94 x 21.44
50	Landmark	Square	Tray	10.00 x 20.00
50	TO	Star	Tray	11.00 x 21.50
50	Jiffy	Round	5 x 10 Strip Tray	11.00 x 21.00
72	TO	Star	Tray	11.00 x 21.50
72	TO	Star	Tray	11.00 x 21.50
72	Landmark	Round	Sheet	10.42 x 20.85
78	Jiffy	Oct	3 x 26 Strip Tray	10.63 x 20.20
102	Landmark	Hex	Tray	10.67 x 20.99
105	TO	Star	Tray	11.00 x 21.50
162	TO	Square	Tray	11.00 x 21.22
200	Donglin	Square	Tray	11.02 x 21.26
288	Landmark	Square	Tray	11.05 x 21.38



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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	21/4" rd. x 21/4" 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 334" dp. pot with slits	1100	13
60-2038	132	3" rd. x 412" dp.	1080	
60-2041	150	5" rd. x 4" dp.	600	
60-2040	340	412" 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	31/2" sq. x 4" dp. pot with slits	800	
STRIPS				
60-2231	516	10 sq pots/strip 13/4" x 2"dp.	5100	50
60-2241	522	12 sq pots/strip 21/4" x 21/4" dp.	2520	36
60-2247	525	8 sq pots/strip 21/2" x 21/4" dp.	2304	32
60-2256	527	8 sq pots/strip 21/2" x 3" dp.	2560	32
60-2251	530	6 sq pots/strip 3" x 3" dp.	1260	18
POLYPAK	S			
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	$2 \frac{1}{2}$ " sq. x 3" dp. Jiffy Pots preloaded into a 10" x 20 handling sheet 32/sheet		1344 42





HOME COMPOSTABLE



TIME SAVING



ORGANIC



SUSTAINABLE



ZERO PLASTIC







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





Ite	m	Description
50-	-8605	Pouch Style Growing Bag SSH 720 HG 81/2" .05 (50/bundle)
51-	-45026	4" Double Hook For Flower Bags (Galvanized) (100/bundle)





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



Pen Pak

K&C Plastics, Inc.

Pen Paks & Carriers



Plastic Carrier

142 Pen paks | 300 per package; 6½" x 5" x 2½" 142 Pen Paks fit the 142 Carrier listed below.

142 Carrier | 25 per bundle; 15" x 16" x 2%". This tray holds the 142 Pen Pak listed here as well as the NC142 Fiber Pak found on page 189.

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 189.

Item	Description	Qty/cs
53-3027	142 Pen Pak	300
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



Lumite Blueline Fabricated Ground Cover



2026

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

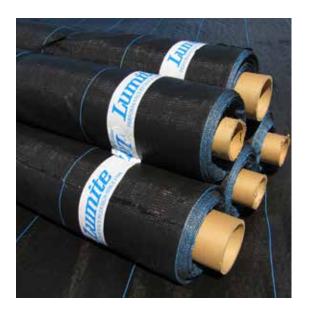
Available in convenient wide widths, this product can be quickly installed to provide years of service. Simply roll the product out and tack it down.

- 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



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 -	other sizes available
78-2026	Pro 19 - 6' x 250' - Transmits 95% light
78-2040	Pro 19 - 10' x 500' - Transmits 95% light
78-2036	Pro 19 - 13' x 300' - Transmits 95% light
Other Weights	Available
-	Pro 1750 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 30% 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

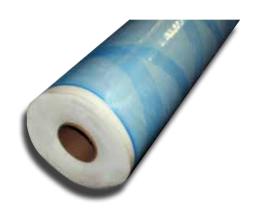
Call for quote for custom sizes.

Minimum length 100', and Maximum width 50'



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.

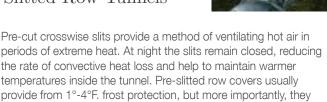
- 5-7 year life expectancy
- 6 oz. per square yard

Item: 81-730400 Size: 15' x 150' Roll

Other width and lengths are available. Call for more information.







Uses: Slitted row covers are best suited for northern-most climates where light levels are poor, and the spring warming trend is very slow.

elevate daytime air temperatures from 10°-30°F, depending on the

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

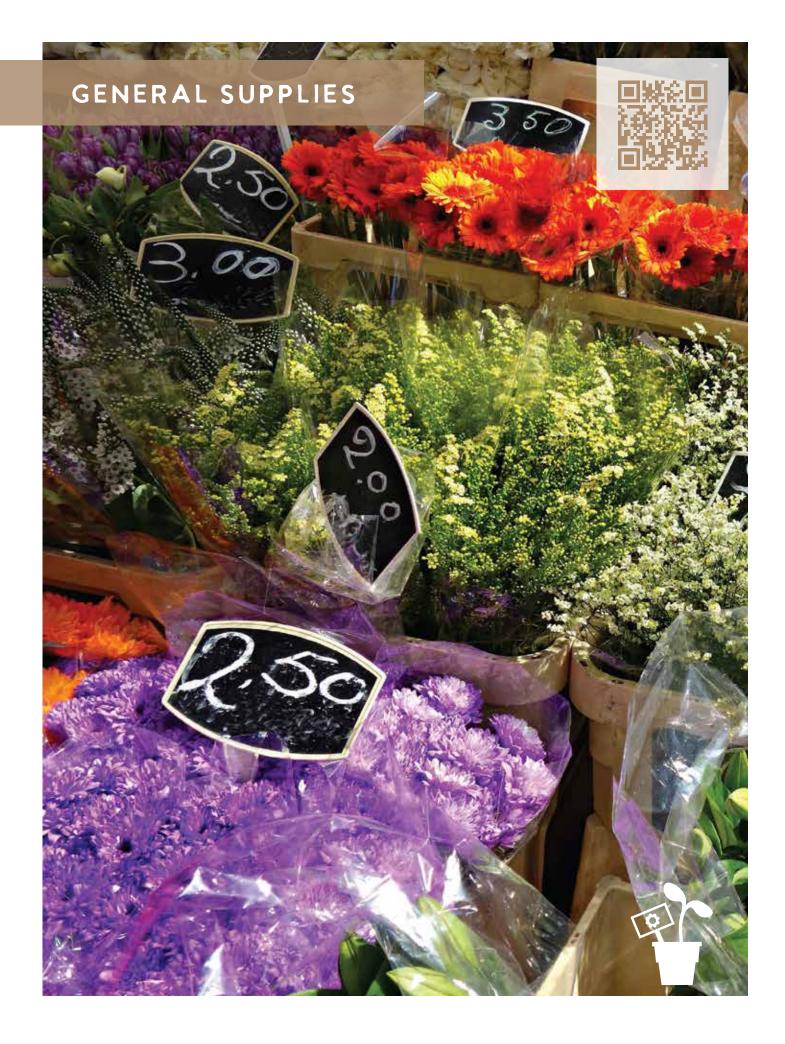
Item	Description
78-2045	15' x 300' DuPont 1.25oz

^{*} See Overwintering Materials on Page 33

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	





Garden Center Label/ Tag Printers & Supplies





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



GRIFFIN GREENHOUSE	DESCRIPTION (mode) DESCRIPTION DESCRIPTION	\$0.0
978-851-4346		ō

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%" White Waterproof Stick on Label 7,200/cs
42-1055	3/411 x 5" White 4 Across Pot Stakes 6,000/cs
42-1094	3/411 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	½" 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	2-Line 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 ½" 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 ½16"
76-300160	79062	16 - 2 ½" x ½"
76-300320	79073	32 - 3" x ½"

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.

Green Cane Stakes

Natural Tonkin

Item

133-0057

133-0058

133-0059

133-0062

133-0038

133-0063

133-0041

133-0066

133-0069

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

Dimensions

2' x 5/16"

2 ½ x ¾

3' x 3/8"

4' x ½"

5' x ½"

6' x ½"

6' x ¾"

7' x 5/8"

8' x 1/8"

Green Split

Item	Dimensions	Bale Count
133-0081	12" x ¾16"	5000
133-0082	15" x 3/16"	5000
133-0083	18" x 3/16"	5000
133-0084	24" x ⁷ / _{32"}	2500

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

Snap-On Stake Fastener



Hoop Trellis

Fan Trellis

Just push the Snap-On Stake Fastener and it holds the stake to the plant.

Larger Diameter

Item	Dimensions	Bale Count
133-0072	10' x 11/8"	25
133-0073	12' x 11/4"	25

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 Fasteners

Item: 0223ROSNAP **Qty:** 5,000/box

Bale Count

1000

500

500

250

250

200

100

100

50



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



Identification Stand Item: 51-65118





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



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!







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"- 61/2" Azalea	500
87-2546	530A R/D	6½" x 19" x 30"	6"- 61/2" Azalea and STD	250
87-2556	730A R/D	9" x 20" x 30"	7"- 71/2" Azalea	500
87-25611	948B R/D	12½" x 24" x 48"	9½"- 10" Azalea	125
87-2582	836 B R/D	10½" x 27" x 36"	8"- 9" Azalea, 8" H.B.	250

Hanging Basket Sleeves

Item	Dimensions Vendor B x T x H Pot size ι		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	250

^{*}Pot sizes vary from manufacturer to manufacturer. Use chart as a guide only. Actual pot may sit slightly higher or lower in the sleeve.



- Sleeves are unnested and attached to a wooden header
- Packed 50 per header
- 1000 sleeves per box

ltom	Vandar	Dimensions	Otys/ota
Item	Vendor	ВхТхН	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



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

Thank You Trunk Liners



2026



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

209



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
87-20007	(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

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	Item	Description	Qty
87-20163 (E) 4.5 Std Sky Blue 250 87-24211 (F) 6.0 Az Rose Pink 100	87-20268	(D) 4.5 Std Moss Green	250
87-24211 (F) 6.0 Az Rose Pink 100	87-20162	(G) 4.5 Std Lavender	250
	87-20163	(E) 4.5 Std Sky Blue	250
87-20222 (G) 6.0 Std Lavender 100	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	87-20221	(F) 6.0 Std Rose Pink	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
87-1135	Lavender
87-1136	Hunter Green



Trellis Netting



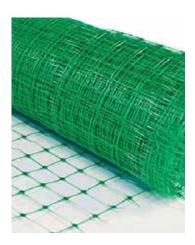
Live Oak Mum Netting

17" Mum Netting

- For 8" and 10" pots
- Roll size 17" x 3280'
- Net opening 31/2" x 31/2"

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

ΤΞΙΊΔΧ



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
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

MultiLoc Slip-On® Labels

Tie onto nursery stock, hanging baskets, etc.

Item	Description
86-1425	1000 Yellow 3/4" x 7" label



Treated Wooden Pot Labels

Labels are coated white. Coated labels with biodegrade slower than natural labels.

Item	Size	Qty/Box
86-1025	4" x 5/8"	1000
86-1030	5" x 5/8"	1000
86-1035	6" x 5/8"	1000
86-1040	8" x 5/8"	500
86-1051	12" x 1 1/8"	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. $9" \times 11 \%"$

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

12¼" 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



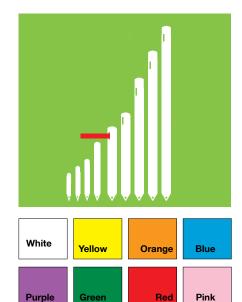


Tyne Labels

TY 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 #	Vendor #	Description	Pack
82060028	TY4W	4" TY Labels - White 1/2"W	1000
82060029	TY4Y	4" TY Labels - Yellow 1/2"W	1000
82060030	TY4O	4" TY Labels - Orange 1/2"W	1000
82060031	TY5W	5" TY Labels - White 1/2"W	1000
82060032	TY5Y	5" TY Labels - Yellow 1/2"W	1000
82060033	TY5O	5" TY Labels - Orange 1/2"W	1000
82060034	TY5B	5" TY Labels - Blue 1/2"W	1000
82060035	TY5P	5" TY Labels - Purple 1/2"W	1000
82060036	TY5G	5" TY Labels - Green 1/2"W	1000
82060037	TY5R	5" TY Labels - Red 1/2"W	1000
82060038	TY5PK	5" TY Labels - Pink 1/2"W	1000
82060039	TY6W	6" TY Labels - White 5/8"W	1000
82060040	TY8W	8" TY Labels - White 5/8"W	500
82060041	TY10W	10" TY Labels - White 1"W	50
82060042	TYEL12W	12" Garden Labels w/ slot - White 1.25"W	50
82060043	TYEL16W	16" Garden Labels w/ slot - White 1.25"W	50
82060044	TYEL20W	20" Garden Labels w/ slot - White 1.25"W	50
82060045	TYEL24W	24" Garden Labels w/ slot - White 1.25"W	50



QUICK REFERENCE GUIDE

- 4" offered in white, yellow & orange
- 5" offered in all 8 colors
- 6" & 8" offered in white
- 10", 12", 16", 20" & 24" in white with color coding slots
- 10" 24" have slots for color coding with loop lock labels and flagging tape.



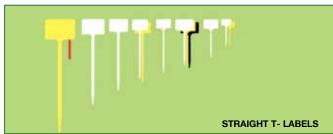


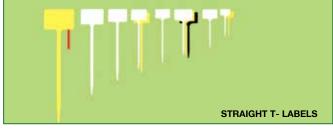
Tyne Labels

T-Labels

T-Labels are designed for use where a larger label is needed. Choose from the straight style or the angled style. 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 expect the SL135 and SL190.

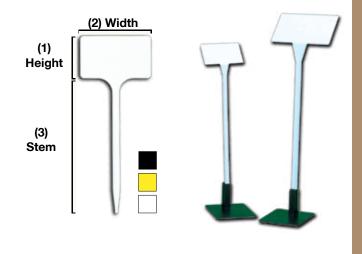
- Color choices vary for sizes. Look at the pricing information
- Bases fit all angled & straight labels except SL135 & SL190





STRAIGHT T-LABELS

Item #	Vendor #	Description height x width + stem	Pack
82060001	SL135W	1-1/4" x 2" w/ 4-1/2" stem - White	500
82060002	SL135Y	1-1/4" x 2" w/ 4-1/2" stem - Yellow	500
82060003	SL135BK	1-1/4" x 2" w/ 4-1/2" stem - Black	500
82060004	SL200W	3.5" X 2" w/8" stem - White	100
82060005	SL250W	2-1/8" x 3-5/8" w/ 7" stem - White	100
82060006	SL250Y	2-1/8" x 3-5/8" w/ 7" stem - Yellow	100
82060007	SL250BK	2-1/8" x 3-5/8" w/ 7" stem - Black	100
82060008	SL300W	3.5" X 2" w/12" stem - White	100
82060009	SL340W	2-1/8" x 4" w/ 10-1/2" stem - White	100
82060010	SL340Y	2-1/8" x 4" w/ 10-1/2" stem - Yellow	100
68286210	SL340BK	2-1/8" x 4" w/ 10-1/2" stem - Yellow	100
68286210	SL340BK	2-1/8" x 4" w/ 10-1/2" stem - Black	100
82060011	SL445W	3" x 4-1/4" w/ 14" stem - White	50
82060012	SL545W	3-1/2" x 5-1/2" w/ 17.5" stem - White	50
82060013	SL735Y	4-1/2" x 7-1/2" w/ 24" stem - Yellow	25





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ANGLED T-LABELS

Vendor #	Description height x width + stem	Pack
SL190B	1-3/4" x 2-7/8" w/ 5-3/4" stem - BLK	50
SL190W	1-3/4" x 2-7/8" w/ 5-3/4" stem - White	50
SL275W	3" x 5" w/ 8" stem - White	50
SL275Y	3" x 5" w/ 8" stem - Yellow	50
SL279W	4" X 6-3/8" W/7-1/4" stem - White	50
SL400W	2-1/2" x 4" w/ 14" stem - White	50
SL400Y	2-1/2" x 4" w/ 14" stem - Yellow	50
SL400BK	2-1/2" x 4" w/ 14" stem - Black	50
SL440W	3-1/8" x 4-3/4" w/14" stem - White	50
SL500W	3-7/8" x 6" w/ 17" stem - White	25
SL500Y	3-7/8" x 6" w/ 17" stem - Yellow	25
SL500BK	3-7/8" x 6" w/ 17" stem - Black	25
SL650W	4-3/4" x 7-3/8" w/ 24" stem - White	25
BASE	Label Base	25
	SL190B SL190W SL275W SL275Y SL279W SL400W SL400Y SL400BK SL440W SL500W SL500W SL500W	SL190B 1-3/4" x 2-7/8" w/ 5-3/4" stem - BLK 1-3/4" x 2-7/8" w/ 5-3/4" stem - White SL275W 3" x 5" w/ 8" stem - White SL275Y 3" x 5" w/ 8" stem - Yellow SL279W 4" X 6-3/8" W/7-1/4" stem - White SL400W 2-1/2" x 4" w/ 14" stem - White SL400Y 2-1/2" x 4" w/ 14" stem - Yellow SL400BK 2-1/2" x 4" w/ 14" stem - Black SL440W 3-1/8" x 4-3/4" w/14" stem - White SL500W 3-7/8" x 6" w/ 17" stem - White SL500BK 3-7/8" x 6" w/ 17" stem - Yellow SL500BK 3-7/8" x 6" w/ 17" stem - Black SL650W 4-3/4" x 7-3/8" w/ 24" stem - White





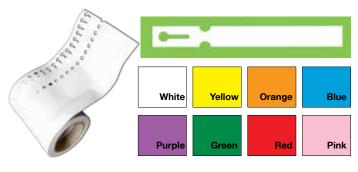
Tyne Labels



Bucket Labels

Bucket labels will clip onto the rim of most nursery containers and will stay on securely. Ideal for large perennials, mums, poinsettias, cut flowers or farm market produce. Available in black with blackboard write-on surface

Item #	Vendor #	Description	Pack
82060053	SL291BB	3.25" X 5" w/ 16.75" stem Black	25
82060052	SL290BB	4" x 6-1/4" w/ 17" stem - Black	25



Vinyl Loop Lock Labels

Loop Lock Labels are used to label hanging baskets, vines, bushes, trees, and more! Measures 5/8" wide by 6-1/2" long and has 1000 perforated labels per roll. Can be used with 10"-24" Ty Label.

Item #	Vendor #	Description	Pack
82060046	LL625W	Loop Lock Labels - White	1000
82060047	LL625Y	Loop Lock Labels - Yellow	1000
82060048	LL625G	Loop Lock Labels - Green	1000
82060049	LL625O	Loop Lock Labels - Orange	1000
82060050	LL625R	Loop Lock Labels - Red	1000
82060051	LL625PI	Loop Lock Labels - Pink	1000
82060116	LL625B	Loop Lock Labels - Blue	1000



Blackboard Labels

These unique labels are ideal for marking sale items. Available in 5 sizes, so no matter how much or how little information you need visible, there is a size to fit your needs. Also a very economical style - use ordinary chalk or liquid chalk and simply wipe clean to re-use!

Item #	Vendor#	Description	Pack
82060054	SL275BB	3-1/4" X 5-1/4" W/7-1/5" Stem	50
82060055	SL279BB	4" X 6-3/8" w/7-1/4" stem	50
82060056	SL440BB	3-1/4" x 5 w/ 14" stem	50
82060057	SL500BB	4" x 6-3/8" w/ 17-1/4" stem	25
82060058	SL650BB	4-3/4" x 7-1/2" w/ 24-1/4" stem	25



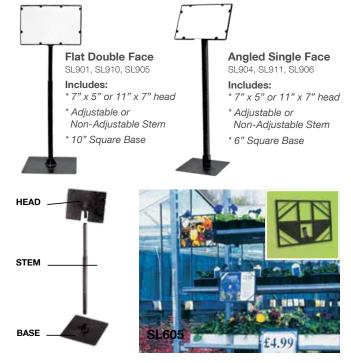
Card Holders

Great for supporting sign placards and small plant info tags. Also ideal to hold sticky card insect detection cards. Our SL775 holds 11"x7" or 5"x7" rigid vinyl signs for use in greenhouse or garden center. Insert bottom in soil or use with our label base featured Tyne T-labels.

Item #	Vendor #	Description	Pack
82060059	SL450	2.5"x 2.5" holder w/ 13" stem	25
82060060	SL465	5" x 7" holder w/ 13" stem	25



Tyne Sign Holders





IFCLIP





HANG TAG



2026

Info Sticks

Info Sticks hold picture labels either vertically or at 450. Label is very easily and quickly clipped into position. Over non-return prongs. The label is securely held and will not spin, be blown or pulled out easily. The label pivots on prong and the customer can read the back of the label without pulling the stick out of the soil.

Item #	Vendor #	Description	Case
82060062	IF6	6" Info Stick, green	3,000
82060063	IF11	11" Info Stick, green	5,000
82060064	IF15	15" Info Stick, green	3,000
82060065	IF24	24" Info Stick, green	1,000
82060066	IFCLIP	Info Quick Clip	1,000
82060067	IFQC11	11" Info Stick w/ Quick Clip	2,500
82060068	IFQC15	15" Info Stick w/ Quick Clip	1,500
82060069	IF RING	Info Rina	1.000



Black Sign Holders

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. Select Flat Double Face style which supports signs on both sides or Angled Single Face style which supports one sign in an upward facing position. Complete with a 22" stem or adjustable 24"-36" stem and base.

ONE LOW PRICE FOR ALL 3 PIECES: CARD HOLDER FACE, **STEM AND BASE**

Item #	Vendor #	Description	Pack	Pk wt
82060070	SL901	7" x 5" Flat Double Face w/ 22" stem	1	2#
82060071	SL904	7" x 5" Angle Single Face w/ 22" stem	1	2 #
82060072	SL910	11" x 7" Flat Double Face w/ 22" stem	1	2 #
82060073	SL911	11" x 7" Angle Single Face w/ 22" stem	1	2#
82060074	SL905	11" x 7" Flat Double Face w/ Adjustable stem (24"-36")	1	2#
82060075	SL906	11" x 7" Angle Single Face w/ Adjustable stem (24"-36")	1	2 #
82060076	SL605	SL605 HOLDS 11 X 7 Sign , designed to easily clip on Cart or use on bench for 'photo frame' look.	1	1#



Tyne Plant Supports

Bamboo-Look Trellis

This plastic trellis accents plants with its 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.

*Noted height measurements are above pot



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Clip-on Trellis Green

Slips easily onto the rim of most pots without interfering with the roots. Ideal for ivy, clematis and other climbers. Measures 20" above pot. Will not clip onto rolled rim pots, but may be inserted directly into the soil.



Item #	Vendor #	Description	Pack	Pk wt
82060087	PS11G	Clip-On Trellis Green 22"ht x 6.5" top width*	50	11 #

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	Item #	Vendor #	Description	Pack	Pk wt
-	82060088	PS16	Bamboo-Look Trellis Tan 32" x 6.5" top width	50	13 #
	82060089	PS17	Bamboo-Look Trellis Tan 25.5" x 6.5" top width	50	9#

GROWER SUPPL

Tripods

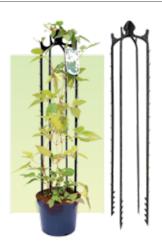
Economically designed with flexible legs to easily insert into soil to form a growing pyramid for vining plants. As the plant grows, it naturally secures itself to small, fine protrusions on the three legs. Top of the tripod features a lug to clip on a label and is soft enough to prevent eye injury.



Item #	Vendor#	Description	Pack	Pk wt
82060092	TR18	Tripod 18" Green	50	4.5 #
82060093	TR24	Tripod 24" Green	50	6.25 #
82060094	TR32	Tripod 32" Green	50	9.75 #

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 #	Vendor #	Description	Pack	Pk wt
82060090	OB2	Obelisk Black 32"ht x 6" width	25	10 #
82060091	OB3	Obelisk Black 26"ht x 6" width	25	8#





Tyne Plant Supports







Plant Rings

Plant rings fit onto any size cane and adjust up or down the cane as required. 10" ring offers three easy open/close segments to safely secure around plant stems without damage. 6" ring offered as solid ring format.

Item #	Vendor #	Description	Pack	Pk wt
82060085	PS62	6" Plant Ring	50	1.5 #
82060086	PS10	10" Plant Ring	50	4.5 #



Gro Supports

Designed to hold three canes upright, creating a column. Sized for split or standard canes.

Item #	Vendor#	Description	Pack	Pk wt
8206008	0 GRO-T1	Gro Triangle for 3 Split Canes	100	1.5 #
8206008	1 GRO-T2	Gro Triangle for 3 Standard Canes	100	3#



Cane Caps

These soft rubber caps firmly hold one or three bamboo canes from 2' - 6' height for secure plant support. Cap 'N' Gro creates a simple tripod for supporting vines. Single Head Cane Cap prevents facial injury when using a single bamboo stake.

Item #	Vendor#	Description	Pack	Pk wt
82060077	PYR1	Cap N' Gro Tri-Pyramid Cane Cap	100	4 #
82060078	CC4EP	Single Cane Cap	100	1#

2026

Tyne Nursery

Tree Support Ties (TST)

The TREE SUPPORT TIE is designed to support and protect the tree when grown against any steel or nylon wire and non slip cord. When the tie is tightened it self grips and does not slip along the wire or cord. The tree is held firmly and it does not suffer any damage to the bark. The tie is soft, strong, black, and UV protected.





TST300, TST400, TST600

Item #	Vendor #	Description	Pack	Pk wt
82060105	TST200	Tree Support Tie -Very Small	50	2#
82060106	TST300	Tree Support Tie - Small	50	8#
82060107	TST400	Tree Support Tie - Medium	50	14.5 #
82060108	TST600	Tree Support Tie - Large	50	18#

2026



Tyne Nursery

No Rust Pegs

Ideal for holding down ground cover. NO RUST pegs are made from a black durable plastic, and feature a wide head and shank for maximum hold. Gently hammer into ground every 2-3 feet. (Rubber mallet is suggested)



Item #	Vendor #	Description	Pack	Pk wt
82060095	MMP2	6" Ground Cover Peg Black	100	2.25 #
82060096	MMP3	7.5" Ground Cover Peg Black	100	3.5 #

Yellow Plastic Washer

This plastic yellow washer fits both of the NO RUST Peg heads (MMP2 and MMP3) to help secure ground cover. Gives additional holding power and is very visible due to the yellow color.



Item #	Vendor#	Description	Pack	Pk wt
82060097	WASHER	Yellow Washer	100	1.5 #

Pot Support Base

Holds most pots 6.5" - 12" in diameter to stop blow over. Pots easily insert at top and are held firmly. Bases can attach to form a grid.



Item #	Vendor #	Description	Pack	Pk wt
82060099	PSB1	Pot Support Base	1	2#

Ground Sheet Pegs

Sheet Pegs keep all types of sheeting and frost covers securely in place. SP2 has an 8" prong. Easy to use, made from a durable plastic and are totally reusable. Simply drive the peg into the soil every two yards, ends are best earthed over.



Item #	Vendor#	Description	Pack	Pk wt
82060098	SP2	8" Sheet / Frost Cover Peg	50	5.5 #





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-191/4" Staples 5,000

Beer Boxes (A) 10 34" W x 16" L x 21/2" 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

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% 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 %" Staples	5,000
83-2129	STCR 5019 1/2" Staples	4,000
83-2128	STCR 5019 16" Staples	4,000



Each radio comes with: Lithium-ion rechargeable battery, charger, holster or spring clip, quick reference guide. Additional accessories available to order including 6-unit chargers.



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

		Transmit			Range Indoors	Range in Warehouse
Item	Model	Power	Channels	Weight	(up to)	(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

		Iransmit			Range Indoors	Range in Warehouse
Item	Model	Power	Channels	Weight	(up to)	(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



PRC-MIX



BX Mixes -General Purpose

Features and Benefits

- Canadian sphagnum peat-based growing medium with perlite
- · Light-weight, low bulk-density
- High water-holding capacity
- Starter nutrients and pH adjuster
- Multi-purpose, general-purpose mix, it answers the needs of most growing applications
- · Ideal for transplant production of vegetables or plants in large cell trays

BX

PRO-MIX® BX is a general-purpose, peat-based growing medium that is formulated with a base of high-quality Sphagnum peat moss and perlite. This blend creates a well-balanced environment to encourage root development and favor plant growth.

Item: 710B3 Size: 2.8 cu. ft. Comp. **Qty/plt:** 57 Item: 65-2005 Size: 3.8 cu. ft. Comp. **Qty/plt:** 30

BX AGTIV® REACHTM

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

$BX\ BIOFUNGICIDE^{^{TM}} + MYCORRHIZAE^{^{TM}}$

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 Qtv/plt: 57 Size: 3.8 cu. ft. Comp. Qty/plt: 30 Item: 65-2017

Product availability varies by location. Contact Griffin for direct ship truckloads. Most mixes are available in Mini-bulk & Mega-bale deliveries.



HP® Mixes - High Porosity

Features and Benefits

- High perlite content, peat-based growing medium
- Low water retention
- Dries out more frequently than generalpurpose, peat-based mixes
- Designed for water-sensitive crops
- Well-suited for low-light and excess moisture/humidity growing conditions
- Reduces incidence of water-related problems (root diseases and algae)
- Improved leaching of fertilizer salts

MPX Mix - Multi-purpose

Features and Benefits

- Multipurpose peat-based growing medium with perlite
- Light-weight, low bulk-density
- · High water-holding capacity
- Starter nutrients and pH adjuster
- Well-suited for short-term crops
- Ideal for transplanting applications, such as annuals in bedding trays and pots
- · Economic alternative for basic use

HP[®] AGTIV[®] REACH™

PRO-MIX® HP® AGTIV® REACH™ is perfect for growers that require a growing medium with good drainage, high air porosity and low water retention. The combination of fibrous Sphagnum peat moss and high percentage of coarse perlite makes this formulation ideal for growers who need a growing medium product that is adapted to their needs for watering flexibility and crop seasonality.

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

$\mathrm{HP}^{\scriptscriptstyle{(\! B)}} \, \mathrm{BIOFUNGICIDE}^{\scriptscriptstyle{\mathrm{TM}}} + \mathrm{MYCORRHIZAE}^{\scriptscriptstyle{\mathrm{TM}}}$

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

Ready-to-use grow bag built with breathable material of light color designed to promote root growth and expansion. The combination of fibrous Sphagnum peat moss and high percentage of coarse perlite makes this formulation ideal for growers who need a growing medium product that is adapted to their needs for watering flexibility and crop seasonality.

 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® REACHTM

PRO-MIX® MPX AGTIV® REACH™ is a multi-purpose, peat-based growing medium that 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.

 $\mathsf{AGTIV}^{\$}$ REACH $^{\mathsf{TM}}$ helps plants reach and absorb more nutrients and water thanks to mycorrhizae.

Contact Griffin for direct ship truckloads. Most mixes are available in Mini-bulk & Mega-bale deliveries.

PROMIX



HPCC Mixes - High Porosity & Chunk Coir

Features and Benefits

- High water-holding capacity
- Ideal for hanging baskets and large planters

HPCC AGTIV® REACHTM

For the ideal balance between air porosity, drainage and water retention, growers select PRO-MIX® HPCC AGTIV® REACH to optimize the quality of their hanging baskets, large containers, and long-term crops. With unique chunk coir and carefully selected fibrous Sphagnum peat moss, this formulation provides qualities that promote plant growth and root development.

 Item: 94-1160
 Size: 2.8 cu. ft. Loose
 Qty/plt: 57

 Item: 65-2050
 Size: 3.8 cu. ft. Comp.
 Qty/plt: 30

$HPCC BIOFUNGICIDE^{TM} + MYCORRHIZAE^{TM}$

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

GGSPROTIP | PRO-MIX AGTIV FORTIFY

AGTIV[®] FORTIFYTM 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.

PRC-MIX



BKI MIXES

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® REACHTM

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 TM + MYCORRHIZAE TM

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

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® REACHTM

AGTIV® REACH™ expands root system, enhances nutrient and water uptake and promotes plant robustness and vigor thanks to mvcorrhizae.

Item: 94-1177 **Size:** 2.8 cu ft. Qty/plt: 48

227



PROMIX



BK MIXES

2026

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 $AGTIV^{\text{\tiny{B}}} REACH^{\text{\tiny{TM}}}$

 $\mathsf{AGTIV}^{\mathbb{B}}$ REACH $^{\mathsf{TM}}$ 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

$\begin{array}{l} {\rm BRK20\;BIOFUNGICIDE^{\tiny TM}} + \\ {\rm MYCORRHIZAE^{\tiny TM}} \end{array}$

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® REACHTM

PRO-MIX® MPO provides the perfect solution for growers in need of a growing medium suitable 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.

 $\mathsf{AGTIV}^{\mathbb{B}}$ REACH $^{\mathsf{TM}}$ helps plants reach and absorb more nutrients and water thanks to mycorrhizae.

 Item:
 94-1185
 Size:
 2.8 cu. ft. Loose
 Qty/plt:
 57

 Item:
 65-2060
 Size:
 3.8 cu. ft. Comp.
 Qty/plt:
 30



$MPO \ AGTIV^{^{\circledR}} \ FORTIFY^{^{TM}}$

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



PRO-MIX® CONTAINER FILLING GUIDE

SIZE TOP HEIGHT LOOSE COMP. COMP. LOOSE LOOSE COMP. COMP.	PRU-MIA CU	HIAINEN I	ILLING JUI	VL									
Size Top Height Cours 10U, Ft 200, Ft 200, Ft 10U, Ft 200, Ft 10U,	DECCRIPTION	DI	MENSIONS (INC	H)	VOLUME				NUMBER OF	POTS FILLED			
SECONING TRAYS- CHI PACKET CHI PACKET	DESCRIPTION	SIZE	ТОР	HEIGHT	(CU. IN.)	1 CU. FT.							135 CU. FT. COMP.
BEADUNG TRAIS- 1004 10 x 20 2 % 281 6		606	10 x 20	31/4	323	5	15	37	535	321	428	1,089	1,337
1004		804	10 x 20	2 3/4	316	5	15	38	547	328	437	1,114	1,367
1201 10 x 20 2½ 359 5 13 34 48 289 385 980 1,203 1,000 1,300 1,		806	10 x 20	2 3/4	281	6	17	43	615	369	492	1,252	1,537
TREE PRICE 1201 10 x 20 274 359 5 13 34 481 299 385 980 1,203	DEDDING TO IVC	1004	10 x 20	2 %	292	6	17	41	592	355	473	1,205	1,479
No. 10 10 10 10 10 10 10 1	CELL PACKS	1201	10 x 20	2 3/4	359	5	13	34	481	289	385	980	1,203
1204		1203	10 x 20	21/2	320	5	15	38	540	324	432	1,100	1,350
1801 10 x 20 3 1/4 398 4 112 30 454 261 347 884 1,085 1803 10 x 20 2 1/4 217 8 22 56 796 478 657 1,622 1,991 3" 3 2 1/4 14 123 346 864 12,343 7,406 9,874 25,143 30,857 3.5" 3.1/2 3 20 86 242 605 8,640 5,184 6,912 17,600 21,600 4" 4 3 1/4 28 62 173 432 6,171 3,703 4,937 12,572 15,429 45" 45" 41/2 33/4 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 55/4 112 15 43 108 1,543 926 1,234 3,143 3,857 8" 8 63/4 231 7 21 52 748 449 598 1,524 1,870 8" 8 63/4 231 7 21 52 748 449 598 1,524 1,870 8" 8 8 6 232 5 15 37 525 315 420 1,070 1,313 10" 10 1/4 6 1/4 329 5 15 37 525 315 420 1,070 1,313 11" 10 1/6 6 1/2 30 4 32 29 2,919 1,788 2,383 6,069 7,448 55.5" 51 5 5 5 8 30 83 209 2,919 1,788 2,383 6,069 7,448 55.5" 51 5 5 5 8 30 83 209 2,919 1,788 2,383 6,069 7,448 55.5" 51 5 5 5 8 30 83 209 2,919 1,788 2,383 6,069 7,448 55.5" 51 5 5 5 8 30 83 209 2,919 1,788 2,383 6,069 7,448 55.5" 51 5 5 6 6 10 29 73 1,041 625 833 2,120 2,602 Trade #1 6 1/2 5 1/4 14 39 98 1,394 836 1,115 2,339 3,484 Trade #5 11 12 1/4 868 2 6 14 199 119 159 406 498 Trade #5 11 12 1/4 868 2 6 14 199 119 159 406 498 Trade #5 11 12 1/4 868 2 6 14 199 119 159 406 498 Trade #5 11 12 1/4 868 2 6 14 199 119 159 406 498 Trade #5 11 12 1/4 868 2 6 14 199 119 159 406 498 Trade #5 11 12 1/4 868 2 6 14 199 199 199 199 199 199 199 199 199 199 199 199 199 199	,	1204	10 x 20	21/4	264	7	18	46	655	393	524	1,333	1,636
1803 10 x 20 2½ 217 8 22 56 796 478 637 1,622 1,991		1206	10 x 20	2 3/4	238	7	20	51	726	436	581	1,479	1,815
STANDARD POTS 3" 3 2% 14 123 346 864 12,343 7,406 9,874 25,145 30,857 3,5" 3,5" 3,5" 3,5" 3,5" 3,5" 3,6 66 242 605 8,640 5,184 6,912 17,600 21,600 4" 4 3,5 28 62 173 432 6,171 3,703 4,937 12,572 15,429 5" 45" 4½ 3,4 40 45 121 302 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 5,5 112 15 43 108 1,543 926 1,224 3,143 3,857 8" 8 6,5 231 7 21 52 748 449 598 1,524 1,870 8" 8 8 6,5 329 5 15 37 525 315 420 1,070 1,313 10" 10% 6,5 400 4 12 30 432 259 346 880 1,080 12" 12% 7½ 550 3 9 22 314 189 251 640 785 4.5"sq 4½ 5 58 30 83 209 2,979 1,788 2,333 6,069 7,448 5.5"sq 5,3 6,6 124 14 39 98 1,394 836 1,115 2,839 3,484 Trade #1 6½ 5% 166 10 29 73 1,041 625 833 2,120 2,602 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 19 159 406 498 Trade #5 11 12% 868 2 6 14 199 119 159 406 498 Trade #5 11 12% 868 2 6 14 199 19 159 406 498 Trade #5 11 12% 868 2 6 14 199 19 159 406 498 Trade #5 11 12% 868 2 6 14 199 19 159 406 498 Trade #6 6% 6% 146 12 33 83 1,884 710 947 2,411 2,959 Trade #6 6% 6% 146 12 33 83 1,884 710 947 2,411 2,959 Trade #6 600 8% 8% 462 4 10 26 374 224 299 762 935		1801	10 x 20	3 1/8	398	4	12	30	434	261	347	884	1,085
STANDARD POTS \$\begin{array}{c c c c c c c c c c c c c c c c c c c		1803	10 x 20	2 3/4	217	8	22	56	796	478	637	1,622	1,991
STANDARD POTS 4 " 4 3½ 28 62 173 432 6,171 3,703 4,937 12,572 15,429 5 " 5 5 66 26 73 183 2,618 1,571 2,095 5,333 6,545 6 " 6 5¾ 112 15 43 108 1,543 926 1,234 3,143 3,857 8 " 8 6¼ 231 7 21 52 748 449 598 1,524 1,870 8 " 8 % 5½ 178 10 27 68 971 592 777 1,978 2,427 10 " 10 ¼ 6 ¼ 329 5 15 37 525 315 420 1,070 1,313 11 " 10 ¼ 6 ¼ 329 5 15 37 525 315 420 1,070 1,313 11 " 10 ¼ 6 ¼ 329 5 15 37 525 315 420 1,070 1,313 12 " 12 ¼ 7½ 550 3 9 22 314 189 251 640 785 12 " 12 ¼ 7½ 550 3 9 22 314 189 251 640 785 3.5 "sq 3½ 4 34 34 51 142 356 5,082 3,049 4,066 10,353 12,706 4.5 "sq 4½ 5 58 30 83 209 2,979 1,788 2,383 6,069 7,448 5.5 "sq 5½ 6% 6¼ 124 14 39 98 1,394 836 1,115 2,899 3,484 Trade #1 6½ 5 % 166 10 29 73 1,041 625 833 2,120 2,602 Trade #3 10 ¼ 9 ½ 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 4½ 4½ 5 5 31 88 20 289 174 232 590 724 Trade #5 11 12 ¼ 868 2 6 14 199 119 159 406 498 1 quart 4½ 4½ 55 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 4½ 55 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 5 5 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 4½ 55 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 4½ 55 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 4½ 55 31 88 20 3,442 1,885 2,513 6,400 7,855 1 quart 4½ 4½ 4½ 55 31 88 20 3,442 2,44 2,99 7,62 9,444 600 8½ 8½ 462 4 10 26 374 224 2,99 7,62 9,355		3"	3	2 3/4	14	123	346	864	12,343	7,406	9,874	25,143	30,857
STANDARD POTS 4.5"		3.5 "	31/2	3	20	86	242	605	8,640	5,184	6,912	17,600	21,600
Table Final Property Final Propert		4"	4	3 1/2	28	62	173	432	6,171	3,703	4,937	12,572	15,429
HANGING BASKETS	STANDARD POTS	4.5 "	4 1/2	3¾	40	43	121	302	4,320	2,592	3,456	8,800	10,800
B B B 6 A 231 7 21 52 748 449 598 1,524 1,870		5"	5	5	66	26	73	183	2,618	1,571	2,095	5,333	6,545
HANGING BASKETS 10" 10% 6% 329 5 15 37 525 315 420 1,070 1,313		6 "	6	5 3/4	112	15	43	108	1,543	926	1,234	3,143	3,857
HANGING BASKETS 10 "		8 "	8	6 3/4	231	7	21	52	748	449	598	1,524	1,870
11 "		8 "	8 3/4	5½	178	10	27	68	971	582	777	1,978	2,427
11		10 "	10 3/4	6 3/4	329	5	15	37	525	315	420	1,070	1,313
3.5 "sq 3½ 4 34 51 142 356 5,082 3,049 4,066 10,353 12,706 4.5 "sq 4½ 5 58 30 83 209 2,979 1,788 2,383 6,069 7,448 5.5 "sq 5¾ 6½ 124 14 39 98 1,394 836 1,115 2,839 3,484 Trade #1 6½ 5% 166 10 29 73 1,041 625 833 2,120 2,602 Trade #3 10¼ 9¼ 597 3 8 20 289 174 232 590 724 Trade #5 11 12¼ 868 2 6 14 199 119 159 406 498 Trade #5 11 12¼ 868 2 6 14 199 119 159 406 498 Trade #5 11 12¼ 868 2 6 14 199 19 19 19 19 19 Trade #5 1 19al 6¼ 6¾ 146 12 33 83 1,184 710 947 2,411 2,959 300 6½ 7 173 10 28 70 997 598 798 2,032 2,494 600 8½ 8½ 462 4 10 26 374 224 299 762 935	BASKETS	11 "	10 %	6 1/2	400	4	12	30	432	259	346	880	1,080
A.5 "sq		12 "	12 3/4	71/2	550	3	9	22	314	189	251	640	785
Perennial Rursery Containers 5.5 "sq 5 % 6 % 124 14 39 98 1,394 836 1,115 2,839 3,484		3.5 "sq	31/2	4	34	51	142	356	5,082	3,049	4,066	10,353	12,706
Trade #1 6½ 5½ 166 10 29 73 1,041 625 833 2,120 2,602		4.5 "sq	4 1/2	5	58	30	83	209	2,979	1,788	2,383	6,069	7,448
PERENNIAL & NURSERY CONTAINERS Trade #3 10½ 9½ 597 3 8 20 289 174 232 590 724 Trade #5 11 12½ 868 2 6 14 199 119 159 406 498 1 quart 4½ 4½ 55 31 88 220 3,142 1,885 2,513 6,400 7,855 1 gal 6¼ 6¾ 146 12 33 83 1,184 710 947 2,411 2,959 300 6½ 7 173 10 28 70 997 598 798 2,032 2,494 600 8½ 8½ 462 4 10 26 374 224 299 762 935		5.5 "sq	5 %	6 %	124	14	39	98	1,394	836	1,115	2,839	3,484
Trade #5 11 12½ 868 2 6 14 199 119 159 406 498		Trade #1	6 1/2	5 %	166	10	29	73	1,041	625	833	2,120	2,602
CONTAINERS Trade #5 11 12½ 868 2 6 14 199 119 159 406 498 1 quart 4½ 4½ 55 31 88 220 3,142 1,885 2,513 6,400 7,855 1 gal 6¼ 6¾ 146 12 33 83 1,184 710 947 2,411 2,959 300 6½ 7 173 10 28 70 997 598 798 2,032 2,494 600 8½ 8½ 462 4 10 26 374 224 299 762 935	DEDENNIAI	Trade #3	10 1/4	9 %	597	3	8	20	289	174	232	590	724
1 quart 4½ 4½ 55 31 88 220 3,142 1,885 2,513 6,400 7,855 1 gal 6¼ 6¾ 146 12 33 83 1,184 710 947 2,411 2,959 300 6½ 7 173 10 28 70 997 598 798 2,032 2,494 600 8½ 8½ 462 4 10 26 374 224 299 762 935	& NURSERY	Trade #5	11	12 1/4	868	2	6	14	199	119	159	406	498
300 6½ 7 173 10 28 70 997 598 798 2,032 2,494 600 8½ 8½ 462 4 10 26 374 224 299 762 935	CONTAINERS	1 quart	4 1/2	4 1/2	55	31	88	220	3,142	1,885	2,513	6,400	7,855
600 8½ 8½ 462 4 10 26 374 224 299 762 935		1 gal	6 1/4	6 %	146	12	33	83	1,184	710	947	2,411	2,959
		300	6 1/2	7	173	10	28	70	997	598	798	2,032	2,494
1200 11 9 % 692 2 7 17 250 150 200 508 624		600	8 1/2	8 ½	462	4	10	26	374	224	299	762	935
		1200	11	9 %	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

PROMIX

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



- With MYCOACTIVE[®] technology
- Ideal for perennials and flowering shrubs
- Perfect for planting vegetables and plants outdoors
- Formulated with a high peat humus percentage

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



- With MYCOACTIVE® technology
- Perfect for all indoor and outdoor planting
- Formulated for a wide range of plant species

Item #	Desc	UPC	Vendor	CS/UOS
80310019	2 cu. ft.	025849113308	1020030RG	50/5

PRO-MIX Premium Potting Mix



- With MYCOACTIVE® technology
- Ideal for all seed starting
- Perfect for potting and re-potting plants in containers
- Contains a controlled-release fertilizer that feeds for up to 9 months

Item #	Desc	UPC	Vendor	CS/UOS
80310025	16 qt.	025849110109	1016010RG	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

- With MYCOACTIVE® technology
- Formulated with all-natural ingredients
- Contains a fertilizer that gradually feeds plants
- Perfect for all vegetable and herb garden needs

COMPONENTS: Canadian sphagnum peat moss, peat humus, perlite, gypsum, limestone, fertilizer

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

- Formulated with natural ingredients
- Perfect for all container planting
- Contains mycorrhizae for vigorous plants

Item #	Desc	UPC	Vendor	CS/UOS
80310071	1 cu. ft.	025849111113	1010011RG	120/120

PRO-MIX PREMIUM ALL PURPOSE ORGANIC GARDEN MIX

- Formulated with natural ingredients
- Ideal for raised beds and all outdoor planting
- Contains mycorrhizae for vigorous plants

Item #	Desc	UPC	Vendor	CS/UOS
80310072	1 cu. ft.	025849111212	1010021RG	120/120

Premier Sphagnum Peat Moss



- For use both indoors and outdoors
- Conditions all soils by improving aeration, water drainage and nutrient/water retention
- Used as a soil amendment for gardens and for the 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.

	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 ln	Medium	Medium	
HANGING BASKET	·S					
HPCC	65-75%	Regular	-	High	Medium	With Chunk Coi
BX	75-85%	Regular	-	Medium-High	Medium	
MPX	85-95%	Regular	-	High	Low	
BK	60-70%	Regular	<1/2 In	Medium	Medium	
SPECIALITY CRO	PS					
MUMS						
BK	60-70%	Regular	<1/2 In	Medium	Medium	
PERENNIALS						
HPCC	65-75%	Regular	-	High	Medium	With Chunk Coi
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	

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.





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 State's 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 vard.

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 Dolomitic limestone (80 - 90%) Wetting agent Horticultural coarse perlite Starter charge

Calcitic limestone

Item: 149-0036 Size: 3.0 cu. ft. Loose Qtv/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:

Dolomitic limestone

Organic Wetting agent

Canadian sphagnum peat moss (80 - 90%)

Horticultural coarse perlite Organic slow release fertilizer

Calcitic limestone

Item: 149-0104 Size: 3.0 cu. ft. Loose Qty/plt: 48 Size: 3.8 cu. ft. Comp. Qty/plt: 30 **Item:** 149-0106

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 Calcitic limestone (80 - 90%)Dolomitic limestone Horticultural coarse perlite Wetting agent Horticultural medium vermiculite 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 Dolomitic limestone (80 - 90%) Wetting agent Horticultural coarse perlite Starter charge Calcitic limestone

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

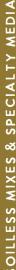
Blend of coarse Canadian sphagnum peat moss, EcoPeatPlus+® and perlite. The well balanced amount of EcoPeatPlus+® and perlite provide the ideal general purpose mix.

Particle size: Coarse Drainage: Medium Water retention: Medium

Components:

Canadian sphagnum peat moss Calcitic limestone (70 - 80%)Dolomitic limestone EcoPeatPlus+® Wetting agent Horticultural coarse perlite 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





2026

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:

Long-fibered Canadian sphagnum peat moss and large peat chunks (50-60%)

Coconut Coir

Item: 149-0123 Size: 2.8 cu. ft.

Horticultural perlite Calcitic limestone Dolomitic limestone Wetting agent Starter charge

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:

Canadian sphagnum peat moss (60 - 70%) Coconut Coir Horticultural coarse perlite Calcitic limestone Dolomitic limestone Wetting agent Starter charge

Qty/plt: 48 Item: 149-0118 Size: 2.8 cu. ft. Loose

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

Calcitic limestone

Calcitic limestone

Wetting agent

Dolomitic limestone

Wetting agent

Dolomitic limestone

Components:

Canadian sphagnum peat moss (60-70%)Aged bark

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:

Canadian sphagnum peat moss (45-55%)

Aged bark Starter charge Horticultural coarse perlite

Item: 149-0111 Size: 2.8 cu. ft. Loose Qty/plt: 42 **GROWER SUPPLIES CATALOG**



lambert 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:

Calcitic limestone Canadian sphagnum peat moss (80 - 90%)Dolomitic limestone Horticultural fine perlite Wetting agent Horticultural fine vermiculite 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:

Calcitic limestone Canadian sphagnum peat moss Dolomitic limestone (80 - 90%)Wetting agent Horticultural fine vermiculite 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%)

Horticultural fine perlite

Calcitic limestone 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 Dolomitic limestone (80 - 90%)Wetting agent Horticultural fine perlite Starter charge Calcitic limestone

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%)

Horticultural coarse perlite

Calcitic limestone Dolomitic limestone Wetting agent Starter charge

Item: 149-0021 Size: 3.0 cu. ft. Loose Qty/plt: 48

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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 Dolomitic limestone (75 - 85%)Wetting agent Horticultural coarse perlite Starter charge Calcitic limestone

Item: 149-0056 Size: 3.0 cu. ft. Loose Qty/plt: 48 **Item:** 149-0058 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 Dolomitic limestone (55 - 65%)Wetting agent EcoPeatPlus+® Starter charge Calcitic limestone

Item: 149-0064 **Qtv/plt:** 48 Size: 3.0 cu. ft. Loose **Item:** 149-0066 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 Dolomitic limestone (75 - 85%)Organic wetting agent Horticultural coarse perlite Organic slow release fertilizer

Calcitic limestone

Item: 149-0091 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:

OMRI

Long-fibered Canadian sphagnum Calcitic limestone Dolomitic limestone peat moss and large peat chunks (75 - 85%)Wetting agent Horticultural coarse perlite 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

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 Dolomitic limestone (55 - 65%)Wetting agent Horticultural coarse perlite Starter charge Calcitic limestone

Item: 149-0063 **Qty/plt:** 30 Size: 3.8 cu. ft. Comp.

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 Calcitic limestone (45 - 55%)Dolomitic limestone EcoPeatPlus+® Wetting agent Horticultural coarse perlite 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.



OMRI





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

OMRI 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

OMRI

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

All Purpose Potting Mix

The ideal Ready-to-use media for all your indoor and outdoor growing needs versatile for various container types and sizes.

Item #	Desc UPC	Vendor	CS/UOS
81940015	1.0 cu ft	6649807603	91/10
81940016	2.0 cu ft 066498076040	6649807604	65/10



	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			Med	High
ED14.50	w/40% EcoPeatPlus+®				
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					
	55-65% Extra Coarse			Maril	I.P.d.
EPM 40	w/40% EcoPeatPlus+®			Med	High
LM-6	75-85% Extra Coarse+Chunks	Coarse		Low	High
PERENNIALS					
EPM 40	55-65% Extra Coarse			Med	High
	w/40% EcoPeatPlus+®			IVIEU	riigit
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, however-PBH carries a good source of plant available Silicon that is built right into the par boiled rice hull. Silicon is a known micro-nutrient that provides plant health benefits, reduces the potential of drought stress, and helps improve cell wall structure and function.

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



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:

Canadian Peat Moss 45%
Aged Pine Bark
Perlite
Vermiculite

Suggested Uses: Flowering Plants Foliage Plants Hanging Baskets 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

CG/P Growing Mix

Components:Suggested Uses:Canadian Peat Moss 70%PlugsPerliteSeedsVermiculiteCuttings

Item: 148-0060 Size: 2.8 cu. ft. Qty/plt: 45

C/G Growing Mix

Components:Canadian Peat Moss 70%

Perlite
Vermiculite

Suggested Uses: Flowering Plants Foliage Plants Hanging Baskets Seeds & Cuttings

Item: 148-0008 Size: 2.8 cu. ft. Qty/plt: 45

C/V Growing Mix

Components:

Canadian Peat Moss 52% Aged Pine Bark Vermiculite Suggested Uses: Flowering Plants Foliage Plants Hanging Baskets Seeds & Cuttings

Item: 148-0061 Size: 2.8 cu. ft. Qty/plt: 45

C/L Growing Mix

Components: Canadian Peat Moss 50%

Aged Pine Bark
Perlite
Vermiculite

Suggested Uses: Flowering Plants Foliage Plants Hanging Baskets Seeds & Cuttings

Item: 148-0015 Size: 2.8 cu. ft. Qty/plt: 45

C/6 Growing Mix

Components: Canadian Peat Moss 50% Aged Pine Bark Suggested Uses: Flowering Plants Bedding Plants Foliage Plants

Item: 148-0020 Size: 2.8 cu. ft. Qty/plt: 45

C/20 Growing Mix

Components: Canadian Peat Moss 80% Perlite Suggested Uses: Flowering Plants Foliage Plants Hanging baskets

Item: 148-0012 Size: 2.8 cu. ft. Qty/plt: 45

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.

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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

Other sizes and grades are available.





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

00 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





Item #	Description	Pallet Qty
150-1301	PCM 1 Gal OTB Bulk	2928
150-1302	PCM 2 Gal OTB Bulk	1300
150-1303	Riococo Starter Blocks 10cm x 10 cm x 10 cm 200/cs 62cs/PL	62
150-1303	Plant!t Yellow 1 Gal OTB Bulk	2400
150-1304	Plant!t Yellow 1 Gal OTB Bulk	1075

RIOCOCO PCM SERIES

Riococo's Flagship Professional Cannabis Substrate

Every PCM product is made entirely within Riococo's vertically integrated production system—from raw husk processing 4x deep wash and final steam sterilization. This ensures low EC, balanced pH, stable CEC, and unmatched batch consistency. Blend: 60/40 professional cannabis mix | Water-Holding: ~53 %.

PCM 1 Gallon Grow Bag

• Size: 6 × 6 × 6 in (≈ 1 gal)

PCM 2 Gallon Grow Bag

• Size: 8 × 8 × 6 in (≈ 2 gal)

The RIOCOCO PCM 4 × 4 × 4 Starter Block

Purpose-built for clones, cuttings, and early vegetative propagation

- Dimensions: 4 × 4 × 4 in
- Material: 100 % organic biodegradable coco matrix
- Mesh: Non-woven cellulose wrap

The PLANT!T Yellow Series

Crafted for cultivators who prefer a more buffered, steady-feed irrigation style. Its 70 % coir / 30 % chip blend provides a 63 % water-holding capacity, ideal for cultivars that respond best to gentle dry-backs and stable moisture availability. Each unit undergoes Riococo's triple-wash process—two deep-well rinses plus final steam sterilization

Plant!t Yellow 1 Gallon Grow Bag

Size: $6 \times 6 \times 6$ in (≈ 1 gal)

Plant!t Yellow 2 Gallon Grow Bag

Size: $9 \times 7 \times 7$ in (≈ 2 gal)

WHY CANNABIS GROWERS CHOOSE RIOCOCO

- Vertically Integrated Control:
 From coconut husk to finished bag—every stage in-house
- Reliable Consistency: Uniform EC, pH, and CEC verified for each lot





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.



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 $^5\!/_1\mathrm{e}^{\mathrm{H}}$ square, tapering to 1" square. 1 $^7\!/_8\mathrm{H}$ 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

2026

PRC*MIX

PRO-MIX® CX

PRO-MIX® CX is a grow bag filled with 100% coco-based growing media. Its unique blend of coir fiber and coir pith offers high porosity, optimal water-holding capacity, pH of 5.5-7.0, and low EC. Tailored for growers seeking precise control, its specialized formulation ensures an ideal environment for crop development.

PRO-MIX® CCX AGTIV® REACH®

PRO-MIX® CCX AGTIV® REACH® is a 100% coco growing medium that unlocks plants' maximum potential. This premium coir blend offers the ideal water retention and air circulation combination, fostering optimal plant growth conditions. Ideal for high water retention and a perfect formula for high-value crop producers who want to promote strong roots and better yields. AGTIV® REACH® helps plants reach and absorb more nutrients and water thanks to mycorrhizae.



PRO-MIX® CPX AGTIV® REACH® is a 70/30 coco coir and perlite growing medium. A blend that combines premium coir with horticulturalgrade perlite, creating a lightweight medium with high porosity. Ideal for better aeration and drainage, allowing high-value crop producers to feed their plants without overwatering. AGTIV® REACH® helps plants reach and absorb more nutrients and water thanks to mycorrhizae.







(IM-C
OIR-BASED BASE DE COCO
3.7

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
94-1303	Pro-Mix CCX AGTIV REACH	50 Liter			88
94-1304	Pro-Mix CCX AGTIV REACH	50 Liter			96





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.





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.



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 Grower Grade Peat Moss #310841

100% Canadian sphagnum peat moss.

Item: 122-0010 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 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







BETTER, FASTER **GERMINATION**



LABOR-SAVING



STRONGER ROOTS



FOOD SAFE



SUSTAINABLE



ORGANIC



Jiffy Pellets



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 18I 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.

2026



Innovative Growing Media Solutions

Grodan stone wool media products enable precision growing. Made from balsalt 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.







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



$\operatorname{Grodan}^{\otimes}$ Stonewool A-OK Starter Plugs $^{\text{TM}}$ 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.

Description	Qty
Gro-Block Imp GR4 UW Sm 3x3x2.6 w/Hole, 8/strip	384/cs
Gro-Block Imp GR6.5 UW Sm 4x4x2.6, 6/Strip	216/cs
Gro-Block Imp GR 10 UW Large, Loose, 4x4x4	1584/plt
Gro-Block Imp GR10 UW Lg 4x4x4, 6/Strip	144/cs
Gro-Block Imp Jumbo, GR 22, 6x6x4	64/cs
Gro-Block Imp Hugo, GR 32, 6x6x6	64/cs
Gro-Block Imp Hugo Loose, GR 32, 6x6x6	512/plt
Gro-Block Imp Uni-Block 8x8x4	36/cs
	Gro-Block Imp GR4 UW Sm 3x3x2.6 w/Hole, 8/strip Gro-Block Imp GR6.5 UW Sm 4x4x2.6, 6/Strip Gro-Block Imp GR 10 UW Large, Loose, 4x4x4 Gro-Block Imp GR10 UW Lg 4x4x4, 6/Strip Gro-Block Imp Jumbo, GR 22, 6x6x4 Gro-Block Imp Hugo, GR 32, 6x6x6 Gro-Block Imp Hugo Loose, GR 32, 6x6x6

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

$\operatorname{Grodan}^{\otimes} \operatorname{Stonewool} \operatorname{A-OK}$ Starter $\operatorname{Plugs}^{^{\operatorname{TM}}} \operatorname{Loose}$ 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 optimzed 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





Pargo

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



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. $3' \times 5'' \times 6''$ (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



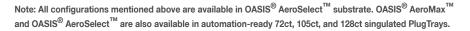
OASIS® AeroMax[™] Substrates

Take precision hydroponic production to the next level with input-responsive OASIS® AeroMax™ engineered foam substrates. Designed for maximum root zone air-to-waterratio, these next-generation substrate innovations from Oasis Grower Solutions excel at supporting crops, climates, conditions and systems with lower water demand.

$OASIS^{\otimes}$ AeroSelectTM 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





OASIS® Horticubes®

Item	Vendor	Description	Sheets Per Cs
16-210200	5240	104 CT OASIS® Horticubes® Singleseed	20
54-1142	5225	162 CT OASIS® Horticubes® Singleseed	20
54-1225	5231	276 CT OASIS® Horticubes® Singleseed	20
54-1220	87-12762	276 CT OASIS® Horticubes® Multiseed	20







$OASIS^{m}$ RhizoPlugTM Substrates

Dive into the future of substrates with OASIS® RhizoPlugTM 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® RhizoPlugTM 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









$OASIS^{\otimes}$ Rhizo $Plug^{TM}$ 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

EthylBlocTM 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

Item	Vendor	Description	Units Per Cs
73-1575	81-67003	EthylBloc™ 75g Truck Kit	1
73-1500	81-09600	EthylBloc™ 2.5g Sachet	1000





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.



25 Count OASIS® Fertiss® PlugStrip #S5325P



50 Count OASIS® Fertiss® PlugTray #S5350C

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

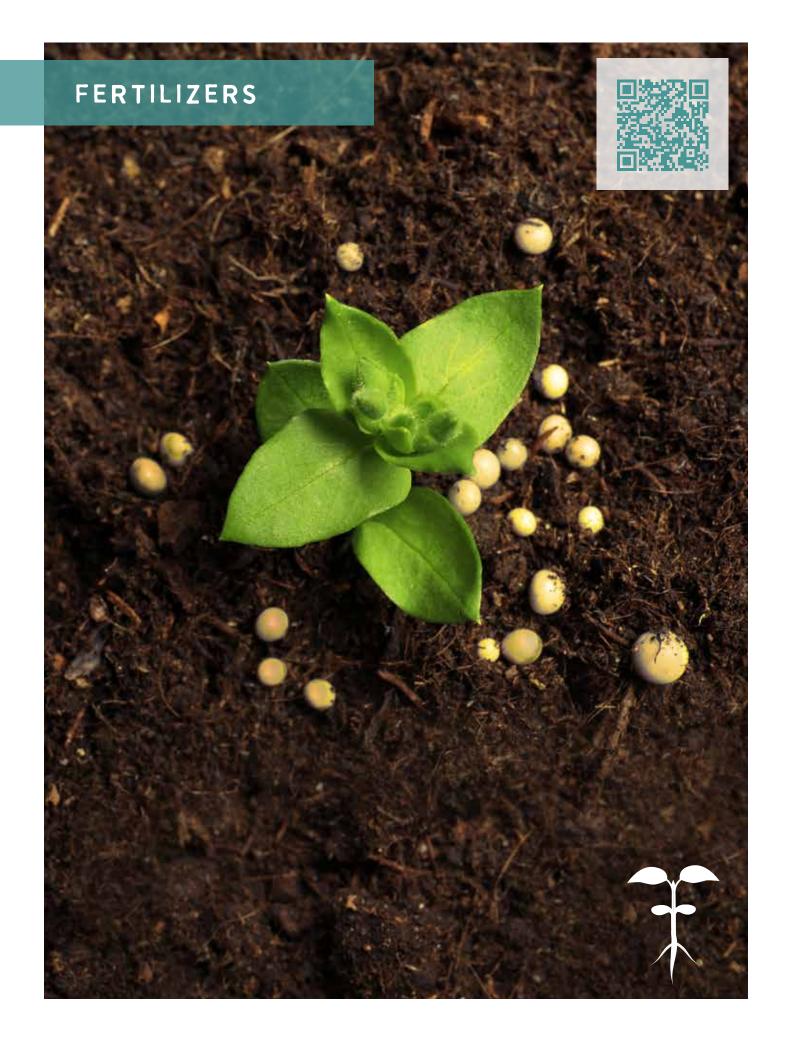


102 Count (51x2) OASIS® Fertiss® PlugTray #S5305C2



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







		Nitrogen I	Breakdown	1												
lack's FeED®		NO ₃	NH ₄	%Fe	A/B	To deliver 100 ppm N	Urea Free	Extra Mg	Low P	Extra Fe	with Ca	Plugs	Hard Water	Root & Bloom	Foliar Feeding	Boosted Micro
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	✓	✓	✓	✓	✓					✓

		Nitrogen E	Breakdown													
Jack's LX™		NO ₃	NH ₄	%Ca	A/B	To deliver 100 ppm N	Urea Free	Extra Mg	Low P	Extra Fe	with Ca	Plugs	Hard Water	Root & Bloom	Foliar Feeding	Boosted Micro
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	✓	✓	✓		✓	✓				✓

		Nitrogen E	Breakdown													
lack's Professio	nal®	NO ₃	NH ₄	%Ca	A/B	To deliver 100 ppm N	Urea Free	Extra Mg	Low P	Extra Fe	with Ca	Plugs	Hard Water	Root & Bloom	Foliar Feeding	Boosted Micro
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	✓	✓		✓			✓			✓
Aci d	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)							✓									

		Nitrogen E	Breakdown													
Pack's Nutrients		NO ₃	NH₄	%Ca	A/B	To deliver 100 ppm N	Urea Free	Extra Mg	Low P	Extra Fe	with Ca	Prop	Hard Water	Pure Water	Root & Bloom	Boosted Micro
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	✓	✓	✓	✓	✓					✓



Jack's Professional Water Soluble Fertilizer Formulations



2026

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.

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.

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.

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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 ironhungry 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.





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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.

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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.

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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.

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:K2O 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



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.



SOLUTION SPOTLIGHT

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.

Plantex[®]



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.

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.

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 (P2O5)	-	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 CaCO ₃ 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		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 CaCO ₃ 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	13/4	21//3	21//3	21/2	3	3	3	4		
60°F	31//3	5½	21/2	3	31/3	4	4½	3½	41//3	41/2		
75°F	4	6½	31/5	3¾	41//3	4½	5	4	5	43/5		
Electrical Conductivity (EC			0.61		0.01	0.00	0 ==	0 :-	0.70	0 ==		
100	0.81	0.89	0.84	0.8	0.91	0.86	0.73	0.45	0.72	0.78 1.52		
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
	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
Plantex [®]	Classic 20-20-20	570 (A)	0.94
T	High P 10-52-10	900 (A)	1.61
	Acid 21-7-7	1580 (A)	1.52
<u>a</u>	No-Stretch® 15-0-20	154 (B)	1.82
4	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 Plantex $\mathrm{MJ}^{\mathrm{TM}}$ 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.

Plantex MJTM 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)

Plantex MJTM 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.

Plantex MJTM Boost 15-30-15

Boost is a high phosphorus formulation that supplies the necessary phosphorus for cannabis transplants and bud sizing.



SOLUTION SPOTLIGHT

CHELATED IRON DTPA 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.

Plantex MJTM 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.

Plantex MJTM 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.

Plantex MJ^{TM} 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.

Plantex MJ Program Schedule by Week



Visit the Plant-Prod website at plantexfertilizer. com for full program details and suggested rates.



BIOLOGICAL SOLUTIONS FOR:

- ✓ Mites (Spider, Broad, Russet)
- √ Thrips (Western Flower, Others)
- ✓ Aphids
- ✓ Whiteflies
- Mealybugs

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Or yellow...or purple...or blue.

Whatever the color, flowers and plants grown with Peters Professional water-soluble fertilizer exhibit the rich colors and robust growth that Peters is famous for. Known for fast starts, solubility, and superior uptake, it's the purest, most effective nutrient source for ornamentals. Clean formulations eliminate precipitates and keep lines flowing freely, saving you time, labor, and money. Contact your local ICL representative to learn more—your flowers may be red, but you'll be seeing green.





Peters® Water Soluble Fertilizers







Peters Peters Excel® 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 insolution. 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.



Net WT 25 to [713 kg)

AICL

PETERS® Canna+



Peters Professional[®] Canna+™ Fertilization System is a holistic fertilizer system designed exclusively for CEA cannabis growers. Scan the QR code for more information and look for this logo in the catalog.

2026





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.

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 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" Canna+"

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 arowing 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 calibrachoas.

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" Canna+"

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.

PETERS"
Canna+"

					ICL W	/ater-s	CL Water-soluble		Fertilizer S	Summary Chart	nary	Cha	r										
р			Ľ	Ideally	Potential		EC per (Oz/100 gal	1 level				Eleme	ntal pp	m cont	ainedi	Elemental ppm contained in a 100 ppm N solution	N mdd	solutio	u			
Bran	Product Name	New Stock#	S for Icon Ty		Acidity (A) / N Basicity (B) (CCE/ton)	Maximum Solubility (lb/gal)			tsp/gal = approx.	NH4-N	Urea-N	NO ₃ -N	۵	~	Ca	 ⊠	S	В	Cu	Fe	Mn	Mo	Zn
9	19-11-21 Multi-Purpose	E99001	B 2	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.	0.105 0.7	0.105 0.	0.500 0.	0.237 0.	0.050 0.2	0.237
eters eters	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 0.7	0.122 0.	0.500 0.	0.250 0.	0.050 0.2	0.250
	21-7-7 Acid Hammer	G99002	C 3	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.	0.128 0.7	0.128 0.	0.767 0.	0.243 0.	0.050 0.2	0.262
	21-5-20 Multi Purpose	E99150	B 2	2 to 4	390 A	4.00	0.63	6.4	320	34.8	5.2	0.09	10.4	79.4	0.0	0:0	0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
[®] [əɔː	21-5-20 Multi Purpose No Boron	E99152	B 2	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 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
x3 Ex	15-5-15 Cal-Mag Special	E99140		2	131 B	3.00	69:0	0.6	194	7.3	14.0	78.7	14.5	83.3	33.3	13.3 (0.0	0.125 0.	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
9199	15-2-20 Pansy, Salvia & Vinca	E99130	4	1 to 2	234 B	3.50	0.83	0.6	169	10.7	5.3	84.0	5.8	111.1 2	25.0 1	13.3 (0.0	0.200 0.	0.125 0.	0.667 0.	0.333 0.0	0.0500 0.2	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 4	46.2 2	23.1 (0.0	0.125 0.	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
	25-5-15 High Efficiency	E99087	B 1	1 to 4	593 A	5.50	0.57	5.3	355	43.2	0.0	26.8	8.7	20.0	0.0	0.0	0.0	0.156 0.7	0.140 0.	0.600 0.	0.300 0.	0.060 0.3	0.300
	24-8-16 Foliage Special	E99720	B 1	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 0.0	0.063 0.0	0.063 0.	0.250 0.	0.125 0.0	0.0250 0.	0.125
(21-7-7 Acid Special	E99330	C 3	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 6.2	61.9 0.	0.125 0.	0.125 0.	0.714 0.	0.238 0.0	0.0476 0.2	0.238
[®] lsno	20-20-20 GP	E99290	B 2	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 0.0	0.063 0.	0.250 0.	0.125 0.0	0.0250 0.	0.125
izzət	20-20-20 GP No Dye	E99291	B 2	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 0.0	0.063 0.3	0.250 0.	0.125 0.0	0.0250 0.	0.125
or9 e	20-10-20 GP	E99300	B 1	1 to 4	404 A	3.50	0.62	6.8	305	40.0	0.0	0.09	21.7	83.3	0.0	0.8	0.0	0.063 0.0	0.063 0.	0.250 0.	0.125 0.0	0.0250 0.	0.125
19199		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.	0.100 0.0	0.050 1.	1.000 0.	0.250 0.0	0.0500 0.2	0.250
	13-2-13 Plug & Bedding Plant Special No Minors, No Dye	E99340	B 1	1 to 2	356 B	3.00	0.74	10.4	160	3.1	0.0	6.96	6.7	83.3 4	46.2 2	23.1 (0.0	0.000 0.0	0.000	0.000	0.000 0.0	0.0000 0.0	0.000
	5-11-26 Hydroponic Special	E99310	B 1	1 to 4	215 B	3.00	1.45	27.0		0.0	0.0	100.0	95.7 4	433.3	0.0	120.0 16	160.0 1.0	1.000 0.3	0.300 6.	6.000 1.	1.000 0.2	0.2000 0.3	0.300
	20-10-20 Peat-Lite Special	E99250	B 1	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 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
;	20-10-20 Peat-Lite Special No Boron	E99252	B 1	1 to 4	402 A	3.00	0.57	6.8	284	40.0	0.0	0.09	21.7	83.3	0.0	0.8	0.0	0.000 0.	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
t-Lite	20-2-20 Peat-Lite Low Phos Special	E99270	B 1	1 to 4	290 A	3.00	09:0	6.8	305	36.0	0.0	64.0	4.3	83.3	0.0	5.5	0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
₽ea	18-8-17 Peat-Lite High Mag Special	E99240	B 7	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.	0.125 0.	0.125 0.	0.500 0.	0.250 0.0	0.0500	0.250
lsno	17-3-17 Peat-Lite Neutral Cal-Mag	E99230	۸ ۲	1 to 2	27 B	2.00	0.65	7.9	216	23.5	0.0	76.5	7.7	83.3 2	23.5	7.4 (0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
izzəì	15-16-17 Peat-Lite Special	E99210	B 2	2 to 4	202 A	4.25	0.62	0.6	197	20.7	26.7	52.7	46.4	94.4	0.0	0.7	0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
or¶ s		E99220	B 1	1 to 4	48 A	2.50	0.77	0.6	225	28.7	0.0	71.3	14.5	138.9	0.0	16.7	6.7 0.0	0.045 0.7	0.125 0.	0.500 0.	0.250 0.5	0.5000 0.3	0.250
Peter	15-3-25 Peat-Lite Flowering Crop Special with black iron	E99321	B 1	1 to 4	34 A	3.00	0.98	0.6	232	26.7	0.0	73.3	8.7	138.9	0.0	16.7	6.7 0.	0.125 0.7	0.125 1.0	1.000 0.	0.250 0.0	0.0500 0.2	0.250
		E99260		1 to 2	221 B	2.00	0.71	0.6	188	13.3	0.0	86.7	0.0	83.3	33.3	13.3	0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
	10-30-20 Peat-Lite Plant Starter	E99350	B 2	2 to 4	365 A	3.25	98.0	13.5	129	50.0	0.0	50.0	130.4	166.7	0.0	13.0	0.0	0.125 0.7	0.125 0.	0.500 0.	0.250 0.0	0.0500 0.2	0.250
ers® vilei	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 0.7	0.167 0.:	0.333 0.	0.167 0.0	0.0017 0.7	0.167
teq.	30-20-20 Ag & Landscape Special	E99700	т п	572 A	570 A	3.50	0.51	8.9	242	24.0	49.0	27.0	43.5	83.3	0.0	0.0	0.0	0.100 0.2	0.250 0.	0.500 0.	0.250 0.0	0.0025 0.2	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

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.



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Organic and Natural Fertilizers



Natural Base Fertilizers



Suståne 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.

Suståne 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.

Suståne 8-4-4 All Natural



All natural non-coated slow release granular fertilizer Suståne 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. Suståne 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.

Suståne 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.

Suståne 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.

Suståne 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% Suståne humus rich, premium organic base. Suståne 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.

Suståne 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. Suståne 4-6-4 in water permeable sachets for all hanging baskets, potted plants & landscape maintenance.

Item	Description	CS/UOS
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

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Secondary Nutrients Ca & Mg

For organic Ca, Mg, and micronutrients, see Biomin products on page 280



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 (55 lb.)

Plantex[®]

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*)

Plantex®

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.

BRANDT

Calcium Chelate Sequestar Ca-EDTA 9%

Item: 67-04005 **Size:** 5 lb. **Item:** 67-0400 **Size:** 25 lb.

BRANDT

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) 12-61-0

Fully water soluble source of phosphorus and ammonium nitrogen that can be safely used through injectors.

Item: 67-6603 **Size:** 55 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.



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.)



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. Contact sales for minimum order details.

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.

Plantex[®]

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 = ~ 0.5 point change

Hozon Rates

- 24 oz. per 5 gallon High change = ~ 1 point change
- 12 oz. per 5 gallon Low change = ~ 0.5 point change



Buffered pH Up: Ready to use

Item: 87-PHUP Size: 1 gal.



Buffered pH Up: Ready to use

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.

Plantex Iron

6% EDDHA

A stable, water soluble iron source with EDDHA chelate. Iron stays readily available for longer, improving plant quality and health. Available in 6×5 lbs case & 50 lbs bags

⊘ Features

- Stable in a pH range of 3.5-10
- Correction iron deficiencies in alkaline conditions
- The reliable red iron
- 5lb bag is resealable for easy use & storage

△ Feeding Chart

PPM Fe	oz/100 gallons
10	2.2
20	4.4
30	6.6
40	8.8
50	11.11

11% DTPA

A completely soluble iron source with DTPA chelate. This low sodium option can be applied either foliarly or to the roots. Available in 6×5 lbs case & 50 lbs bags

⊘ Features

- Stable in a pH range from 1.5-7
- Corrects iron deficiencies in slightly acidic to slightly alkaline conditions
- Ideal for use in hydroponic systems
- 5lb bag is resealable for easy use & storage

∃ Feeding Chart

PPM Fe	oz/100 gallons
10	1.3
20	2.6
30	4.0
40	5.3
50	6.6









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.

Larger sizes available.

Phosphoric Acid Tech Grade

 Item:
 75-207555
 Description/Size:
 75% 55 gal.

 Item:
 75-208555
 Description/Size:
 85% 55 gal.

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 (13.2%)

 Item: 67-04205
 Size: 5 lb.

 Item: 67-0420
 Size: 25 lb.

 Item: 31-10056
 Size: 50 lb.

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.

Plantex®

Iron Chelate DTPA (11%) & EDDHA (6%)

 Item:
 67-12906
 Size:
 5 lb.
 Item:
 67-12905
 Size:
 5 lb.

 Item:
 67-12907
 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. **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.

PETERS" Canna+"

Plantex[®]

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.

Bio-Stimulants and Inoculants

CERTIS USA

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 up to 50% of fertilizer needed in some cases 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.

SOLUTION SPOTLIGHT

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. Growers utilizing Evofactor have demonstrated they can reduce fertilizer requirements by 25-50% for various crops without considerable impact on production time or quality.







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. **Item:** 67-9186* **Size:** 30 gal.

*These items are non-stock.



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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: 1660110GR **Size:** 1 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:
 1690255NG
 Size:
 2.5 gal.

 Item:
 1690254NG
 Size:
 1 gal.
 Item:
 1690256NG
 Size:
 30 gal.

SP-1 OMRI

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.





©TerraGrow

Bio-Stimulants and Inoculants



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, or as injectable powder formulations for drench or boom spray application.

					Арр	olication Me	thod	
Product	Item #	Quantity	OMRI	# 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

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Bio-Stimulants and Inoculants

Biomin Booster 126



Biomin[®] 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.

Biomin Calcium 5%



OMRI

Biomin[®] 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.

Biomin Magnesium 3%



Biomin[®] 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.

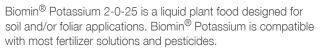
Biomin Nitrogen 5-0-0



Biomin[®] 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.

Biomin Potassium 2-0-25



Item: 16-03482 **Size:** 2.5 gal.

Biomin Iron 1-0-0



Biomin[®] 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, WarHammer

GGSPro is available to answer your questions about biostimulants.

Email: ggsprotech@griffinmail.com



Lost fertilizer is lost profit.

Traditional topdress fertilizers can fail in inclement weather or during transport. Tipped pots mean wasted fertilizer, labor, and money. The molecular bonding technology in Osmocote Fusion bonds the nutrient prills to the soil, keeping them in place in the event of a tipover. This means less waste, stronger growth, and a healthier bottom line. Don't take a chance—stick with Osmocote Fusion.





iclfusion.com









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 longevities ranging from 3 to 14 months

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

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® 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				

2-3

Item: 67-1010 **Size:** 50 lb.



Item: 67-1012 **Size:** 50 lb.



2026



Csmocote® 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 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.



Size: 50 lb. Item: 67-1145



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 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.



Item: 67-1044 Size: 50 lb.



Item: 67-1045 Size: 50 lb.

20 - 4 - 7



Item: 67-1043 Size: 50 lb.



Item: 67-1047 Size: 50 lb.



Item: 67-1048 Size: 50 lb.



Osmocote®



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		8-9	
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

 $\begin{array}{ll} {\sf Low} = {\sf Sensitive\ Plants} & {\sf Med} = {\sf Nursery\ Stock\ and\ Foliage} \\ {\sf High} = {\sf Nursery\ Stock} \\ \end{array}$



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 $^{\text{TM}}$. 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



12-6-8



Item: 67-1571 Size: 50 lb.

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: 67-1568 Size: 50 lb.



Item: 67-1567 **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 (AI) to create and maintain the desired blue color of hydrangea flowers. With this coated approach, growers can deliver a steady supply of AI 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

o)	Container Size	Tablets Per Container
sno	1 Quart Pot	1
enh	6" Pots	1
Gre	8" Hanging Basket	2 - 3
Nursery / Greenhouse	10" Hanging Basket	3 - 4
lurse	12" Hanging Basket	6
Z	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® OWING MEDIA NUTRIENT CHARG

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







Vegetative petunias have higher feed requirements than most other plants. Growers who traditionally fertilize at 200 ppm nitrogen may find it difficult to provide petunia baskets with sufficient nutrition. Controlled-release fertilizer (CRF) can supplement nutrition for these heavy feeders, allowing growers to use one water-soluble fertilizer concentration to satisfy a range of crops in the greenhouse. CRFs are also a great choice for topdressing mixed hanging baskets or large planters before they are shipped or purchased, providing continual growth for weeks to come.

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.
33-1413100	FLORIKAN Nutricote TTL 14-13-13	100 day	50 lb.
33-1413140	FLORIKAN Nutricote TTL 14-13-13	100 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.	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

FlorikanTM 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	





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
83-2776	Leap Spear-Tip Probe

Bluelab



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
83-2772	Guardian Inline pH Probe

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

Bluelab

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.



Pulse 3-1 Multimedia Meter

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

Item: 83-2706

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	120ml/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.



WHAT'S IN YOUR WATER?

Water testing is the foundation of any effective plant nutrition program. By understanding your water quality, including pH, EC, alkalinity, and macro/micronutrient content, you can make informed decisions that support plant health and performance. For most growers, testing at least once a year is sufficient unless the water source(s) change seasonally. Be sure to work with a reputable horticultural lab to get accurate and actionable results. When you know what's in your water, you can choose the right nutrition strategy that prevents costly pitfalls and gives your plants exactly what they need to thrive. GGSPro can help recommend a proper testing lab, review your results, and develop a fertilizer plan for your needs. Email: ggsprotech@ griffinmail.com



Apogee Light Meter

Apogee's 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





Sunlight Only





Full-Spectrum ePAR



	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 μmol m- ² s- ¹	0-4000 µmol m-2 s-1	0-4000 µmol m-2 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 ß, 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	1/4 liter 1.413 mS/cm
74-2536	HI7030M	12.88 mS/cm conductivity solution
74-2525	HI7007M	1/4 liter pH 7.01 buffer solution
74-2530	HI7004M	1/4 liter pH 4.01 buffer solution
74-2535	HI70300M	1/4 liter storage solution
74-2540	HI7061M	1/4 liter cleaning solution











BotaniGard® Mycoinsecticide offers proven, broadspectrum control of a variety of pests in the GH, nursery, and CEA markets. Long recognized as the best-in-class mycoinsecticide in horticulture, BotaniGard is the latest addition to the OHP family of Solutions.

Ask for BotaniGard, the Natural Selection.





An American Vanguard Company

Professional Hoses

DRAMM

ColorStorm Professional Rubber Hose (A)

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' - ¾" hose
33-2100	100° - 5/8" hose
33-22100	100¹ - ¾" hose

Gilmour Hoses Nozzles Sprinklers

Flexogen® Heavy Duty Hose (B)

The strongest, lightest hose in its class, Flexogen delivers superior all around performance for your lawn, garden, deck and driveway. The hose features a patented 8-layer construction with reinforced core to maximize durability. Count on a Flexogen garden hose to curve without kinking, connect without leaking and hold up season upon season.

Item	Description	CS/UOS
80151169	3/4" X 25'	5/5
80151170	3/4" X 50'	4/4
80151171	3/4" X 75'	2/2
80151168	3/4" X 100'	1/1
80151173	5/8" X 25'	6/6
80151174	5/8" X 50'	6/6
80151175	5/8" X 75'	4/4
80151172	5/8" X 100'	2/2



Element[®] Contractor FARM[®] Hose (C)

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'

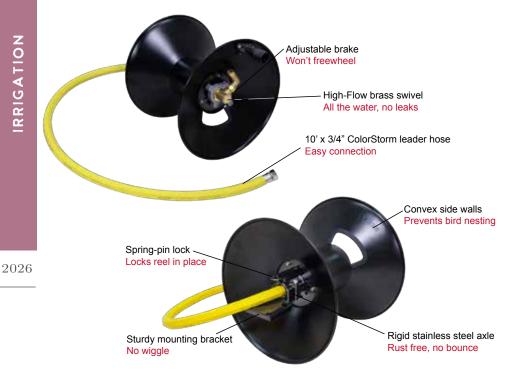
* All Swan items are stocked in Griffin's Stafford Spring, CT location and are sold by the case quantity.





DRAMM

Introducing Dramm's Heavy Duty Hose Reel!



Includes:

Adjustable Tension Brake Spring-Pin Reel Lock 10' X 3/4" ColorStorm Leader Hose Mounting Bracket

Holds:

175' x 5/8" ColorStorm Hose 150' x 3/4" ColorStorm Hose

Item	Description
41-1229	Dramm #17400 Heavy Duty Hose Reel w/10'x3/4" Leader Hose
*Hose sold separately	

'Hose sold separately

Partner with Griffin Irrigation and Dramm Water!

It All Starts with a Conversation

Griffin & Dramm's unique partnership will work closely with you to understand your challenges and requirements, evaluate the water issues you are facing to prioritize solutions and identify opportunities for optimization and efficiency in your water management systems.

Get started here:



COMPLETE WATER MANAGEMENT

Through Holistic System Design

Which Water Project Below Will Improve Your Business?



Storage

Increase watering capacity and take advantage of watering downtime to optimize filtration & disinfection.



Pumping

Maximized efficiency increases capacity and pressure, while lowering energy costs of moving water.



Filtration

A simple and necessary step in removing contaminants that reside in your water, regardless of the source



Reverse Osmosis

Remove salts, minerals, and other impurities to create a baseline of pure water to reduce contamination and rebalance nutrients.



Ozone Disinfection

Employ the most powerful oxidizer to kill pathogens and biofilm throughout the pipeline, while boosting D.O.



Pond Management

Aerate your pond to eliminate algae, reduce particulate, combat pathogens, and provide plentiful oxygen.



Treatment

Utilizing several treatment techniques, collect and reuse your drain water to save money by reducing water and fertilizer usage.



Nutrient Management

Automatically test nutrients throughout your pipeline to know your nutrient levels in real time.



Irrigation Design

Have a complete, custom system designed to meet your specifications, with fittings, filters, valves, & controls.



Humidity Control

Optimize your climate for growth and reduce disease by implementing systems for humidification and dehumidification.



Dissolved Oxygen

Utilize D.O. to increase root mass, fine root hairs, overall plant growth, plant health, and get better fertilizer utilization.



Ultrafiltration

Include finger mesh filters, down to 0.05 microns, to add an additional layer of pathogen shielding for your plants.

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

ColorStorm[™] Custom Size (Min. 10')

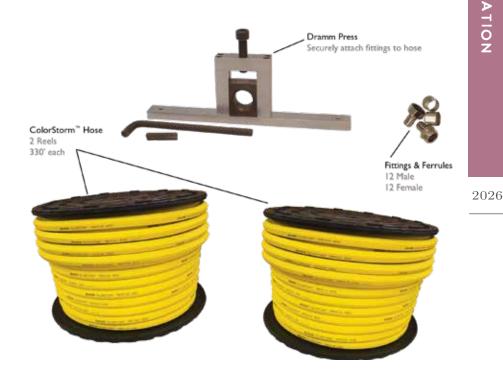
Item	Description
33-22000	3/4" ColorStorm Hose ft Yellow Wp 125 psi 17989



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DRAMM



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)



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	



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.





Brass Connectors

Item	Vendor	Description
33-6240	7FPS7FH	DFS 34" NPT x 34" NH
80150557	7MP7FH	34" NPT (M) x 34" NH (F)



Double Female Swivel (DFS)

Male (M) / Female (F)

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

Gilmour 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





Female

Description Item 80150515 Quick Connector Set 80150514 Male Quick Connector 80150152 Female Quick Connector

*All Gilmore Brass Quick Connectors are sold in case quantities of 12.

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



Made from glass filled polypropylene to

be very durable, corrosion resistant and lightweight while offering a full flow. Flow rate: 18 GPM.

Heavy Duty Plastic Shut-Off Valve





Item: 33-51051

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

*All Melnor HI-FLO 4-way hose valve manifolds are sold in case quantities of 6.



SMC

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



Looking for more hose nozzles and fittings?

Check out the Griffin Retail Catalog's watering









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

Gilmour Hose Accessories



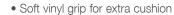
593 Comfort Grip Nozzle (A)

- 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.



- 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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IRRIGATION



DRAMM Professional Watering Tools



1000PL Water Breaker

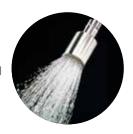
Water your plugs or seedlings with the softest full-flow watering nozzle available. The 1000PL Red Head Water Breaker has over 1000 micro holes that create an ultra-soft flower shower which will not disturb delicate soil or harm tender plants. Made in the USA from ABS plastic and stainless steel. Weight 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



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

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



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





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 highimpact ABS plastic and aluminum to provide a lightweight alternative. Weight 1.3 oz. GPM = 11.1 @ 40PSI



Item: 33-5231

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 ½ 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





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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 Strainer

Replacement Face Plate

301



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



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Or email your inquiry to irrigationdept@griffinmail.com

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
MNHSA12	12" Hanging Sprinkler Assembly	63000-004070
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
78165001	Leak Prevention Device (LPD) w/Blue Pin (not pictured)	63000-002987
5017066	Micronet Base To Dan Sprinkler Adapter (B)	63000-002620
5017061	Dan Base To Micronet Sprinkler Adpapter (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 (H)	63000-001953
5017056	4/7 mm Tubing Connector Barb X Barb (I)	63000-001355
5013105	PSI 4/7MM Pistol Punch Tool (J)	11897785
5013076	Vari-Flow Valve Barb x Barb (K)	42155





Vibro Spray HF Sprinkler 10' wide coverage with 8' spacing between sprinklers

between spiritiers		
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



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
5013708	8" P/C .5 GPH Dripper Assembly w/ slimline weight	40201-015398

2026

Dripper Stake Assemblies



Item	Description	Vendor
44-800024	24" P/C .5 GPH Dripper Assembly w/ barbed stake	40201-020600
44-800036	36" P/C .5 GPH Dripper Assembly w/ barbed stake	40201-021000
44-800048	48" P/C .5 GPH Dripper Assembly w/ barbed stake	40201-021300

Basic Dripper Assemblies

Recommended uses:

Hanging baskets

Scan the QR code Potted crops for more dripper assembly options.

Nursery crops

Landscapes



Item	Description	Vendor
5013624	24" WPCJ Pressure Compensating Dripper Assembly - 35 PSI	40201-020500
5013636	36" WPCJ Pressure Compensating Dripper Assembly - 35 PSI	40201-020900
5013424	24" WP Dripper Assembly with Barbed Base Woodpecker - 20 PSI	40201-018200
5013436	36" WP Dripper Assembly with Barbed Base Woodpecker - 20 PSI	40201-018300

Weights are not included with assemblies.

Components used with Dripper Assemblies

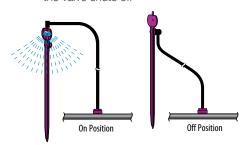


Item	Description	Vendor
5016090	Red Plastic Weight for Drippers	32000-002220
50160901	Slimline White Weight	00130-000033
50161051	Angled 6" Barbed Stake	32000-001807
5016100	4" Stabilizer Peg	32000-001500

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 Dripper Button Emitter 3.2 GPH	21520-001690
5010009	Orange/Grey Dripper Button Emitter 6.6 GPH	21630-001530
5014230	5mm Elbow For Spray Stake Assymblies	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

An Orbia business.

Save labor on install! Just roll out the pre-assembled tube and connect to your fittings!







Stakes Micro Tubing Tubing Invited bring Chippers

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):
 - a. Emitters evenly spaced, Ex. 2 inched spacing (minimum available)b. 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 scan QR code, ask your Griffin sales rep or contact Griffin's Irrigation Department.



Griffin Irrigation Department

Save Water • Save Labor • Grow More





NetBow

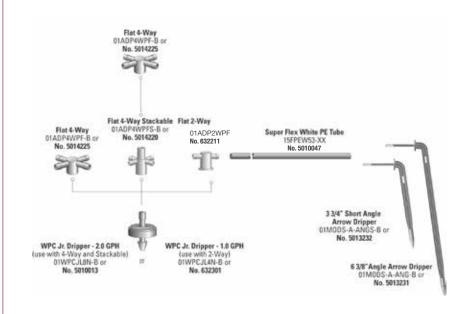
Save Labor! NetBow's evenly spaced emitters distribute water uniformly contributing to optimum root zone development. Compatible with 2 to 15 gallon containers.

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
4DM4848F	Flat 4-Way (48" & 48") MOD Assembly w/ 6 3/8" Angle Arrow Dripper	40201-005000
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 (30" & 30") 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 313 & 318)



1.0 & 2.0 GPH WPC Jr. Compensating Dripper nipple



WPCJ .5 GPH Compensating Dripper - nipple

2026

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 For125197mm Tubing	32500-001125
5011035	Insert Connector Nipple Barb x Barb #1 For125197mm Tubing	32000-001935
5016110	3 mm Flex Tube Adapter (for nipple outlet drippers)	32000-002030
5014230	5mm Elbow Barb x Pressfit	32000-002525



Dual Goof Plug 3mm & 7mm Holes



Nipple Barb x Thread



Nipple Barb x Barb







Polyethylene Tubing (LDPE)

16mm Polyethylene (.520" x .620") Tubing

Item	Roll Size	Description	Vendor	
5010031	100'	16mm .520620 Tubing	19951-000093	
5010032	500'	16mm .520620 Tubing	19951-000061	
5010030	1000'	16mm .520620 Tubing	19951-000013	

Other Sizes of LLDPE Tubing Available

Item	Roll Size	Description	Vendor	
78125011	100'	18mm .600700 Tubing	19951-000041	
78125050	500'	18mm .600700 Tubing	19951-000023	
5010035	100'	20mm .820940 Tubing	19951-000025	
5010036	500'	20mm .820940 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 310

25mm Tubing accepts std 1" P/E fittings on page 310

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 To	ubing		
65402	100'	16mm UV White Blank tube .520620	19953-000117
5011032	500'	16mm UV White Blank tube .520620	19953-000118
5010033	500'	17mm UV White Blank tube .560660	19953-000121
65401	100'	20mm UV White Blank tube .820940	19953-000133
653811	500'	20mm UV White Blank tube .820940	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 Power-Loc Irrigation Fittings for 0.520 ID - 0.620 OD Tube



Rivulis 1/2" Power Loc for .520 ID x .400 Barb with Valve VPN#: 101082418

Item: 06D31HV5B400



Rivulis 1/2" Power Loc Coupling for .520 ID VPN#: 101079721 Item: 06D31HC500



Rivulis 1/2" Power Loc Tee for .520 ID VPN#: 101079717 Item: 06D31HT555



Rivulis 1/2" Power Loc Elbow for .520 ID VPN#: 101079720 Item: 06D31HE55



Rivulis 1/2" Power Loc for .520 ID x .400 Barb VPN#: 101082419 Item: 44-800618



Irritec 3/4"MPT x 500 series Perma-Loc Valve for .510 ID VPN#: A2-HV5TH75 Item: 33-3025

Looking for a utility player?

Heavy Wall Drip Perfect for multiple applications.

UNIRAM Heavy Wall Dripline 24" spacing, 0.54" 16Mil Vendor: 13711-000003

Item: 30-2030

Easy to Use Power-Loc Irrigation Fittings for 0.820 ID - 0.940 OD Tube



Rivulis 3/4" Power Loc Coupling for .820 ID VPN#: 101079770 Item: 06D31HC800



Rivulis 3/4" Power Loc Tee for .820 ID VPN#: 101079776 Item: 06D31HT888



Rivulis 3/4" Power Loc Elbow for .820 ID VPN#: 101079777 Item: 06D31HE88



Irritec 3/4"MPT x 800 Series Perma-Loc Valve .790 ID VPN#: A2-VHF8TH75-I Item: 33-3035

Irrigation Fittings - For In-Line Dripline & .520-.620 Tubing



Rivulis 600 Compression for .620 OD Swivel Tee W/ 3/4" FHT and Screen VPN#: 101082240

Item: 30-2530



for .620 OD x CAP VPN#: 101082235 Item: 30-2545



Rivulis 600 Compression for .620 OD x 3/4 FHT and Screen VPN#: 101079588 Item: 30-2525



Rivulis 600 Compression for .620 OD x 3/4 Male Pipe Thread VPN#: 101082238 Item: 30-2570



for .620 OD VPN#: 101079587 Item: 30-2520







Rivulis 600 Compression Coupling for .620 OD VPN#: 101079585 Item: 102-145



Rivulis 600 Compression x Auto Flush VPN#: 12010218 Item: 30-2565



16mm Insert Tee Item: 5011007



16mm Insert Elbow Item: 5011005



Figure 8 Line End for 16mm Tubing (.520-.620") Item: 5011001

Figure 8 Line End for 20mm Tubing (.820-.940") Item: 5011020

Figure 8 Line End for 25mm Tubing (1.06-1.20") Item: 5011025



Barbed Shut Off for P.E. 16mm Tubing (.520" ID) Item: 5013078

Barbed Shut Off for P.E. 20mm Tubing (.820" ID) Item: 5013079

Barbed Shut Off for P.E. 25mm Tubing (1.06" ID) Item: 5013080



1/2" MPT x 16mm Barb Item: 5011010

Insert Male Adapter 34" MPT x 16mm Barb Item: 5011015



16mm Insert Coupling Item: 5011003

Oval Tube Product Advantages

- Rugged field tested product for demanding applications.
- · Flat coil design reduces delivery, handling and storage
- 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'	

Griffin Irrigation Department

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Or email your inquiry to irrigationdept@griffinmail.com

Polyethylene Insert Fittings



		Tee	Elbow	Coupling
		(INSERT)	(INSERT x INSERT)	(INSERT x INSERT)
	1/2"	31-2025	31-2030	31-2035
Pipe	3/4"	31-2125	31-2130	31-2135
Size	1"	31-2225	31-2230	31-2235
	1 ½"	131-2087	131-2083	131-2050
	2"	131-2123	131-2086	131-2105







		Male Adapter	Female Adapter	Plug
		(MPT x INSERT)	(FIPT x INSERT)	(INSERT)
	1/2"	31-2040	31-2045	31-2050
Pipe	3/4"	31-2140	31-2145	31-2150
Size	1"	31-2240	31-2245	31-2250
	1 ½"	131-2056	67191	131-2055
	2"	131-2115	131-2127	131-2115





Combo Tee



Combo Tee



Threaded

					Coupling
Dina		(INSERT)	(INS x INS x FIPT)	(INS x INS x MIPT)	(FIPT x FIPT)
Pipe Size	3/4"	31-2155	31-2161	31-2160	31-4137
Size	1"	131-2084	131-2082	31-2260	31-3275







Reducing Tee

31-2261



Elbow Fitting 1" INS x 1" INS x 3/4" FIPT 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 308.

1" Ins x 3/4" FIPT Combo Poly Elbow 31-2263

Special Fittings



Threaded Reducer Bushing 1" MIPT x ¾" FIPT 31-4690



N-1 Pipe-to-Hose Transition Nipple MIPT x ¾" MHT 30-2580



N-3 Pipe-to-Pipe Transition Nipple 34" MIPT x 34" MIPT 30-2581



Gilmour Brass Swivel Connector 3/4"FPT X 3/4"FHT

33-6240



1" X 2" NIPPLE 131-2028

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	3/4"	½" thru ¾" Pipe
33-6827	11/4"	34" thru 114" Pipe



Nylon Cable Ties

- 11" non-releasable nylon cable ties
- UV treated
- Use with drip irrigation



3/4 Teflon Tape

Item: 131-2012



Pressure Gauge

Item: 31-3026



FPT PVC Ball Valves

Item	Size
06D32401006T	1/2"
06D32401007T	3/4"
06D32401010T	1"
06D32401012T	11/4"
131-2133	11/2"
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
5013120	NET 3/5MM Pistol Punch Tool	45000- 001200





Wobbler Sprinklers & Sprays

Wobbler Technology has an off-center rotary action that provides extremely uniform coverage over a large diameter at low pressures.





Operation pressures: 20 PSI

• Multi-level throw, approximately 10°

• Standard inlet: 1/2" NPT male



• Designed specifically for overhead inverted installation

• Operation pressures: 20 PSI

• Multi-level throw, approximately 0°

• Standard inlet: 1/2" NPT male

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Kcel Wob	$\mathrm{bbler}^{\scriptscriptstyle{\mathrm{TM}}}$		

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: 1/2" or 3/4" 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

Item	Sprinkler Base Pressure	Connection
33-5370	Sprinkler Check Valve Drain Stop Valve	1/2"MPT X 1/2"FPT

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

$T\text{-}Spray^{TM}$

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 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

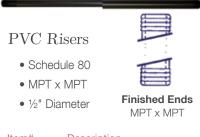
Item	Preset (PSI)	Flow Range (GPM)	Inlet/Outlet Size
30-2210	10	0.5-5 GPM	3/4" FIPT
06PRL12LF	12	0.5-8 GPM	3/4" FIPT
06PMR12MF	12	2-20 GPM	3/4" FIPT
06PMR12MF1	12	2-20 GPM	1" FIPT
30-2225	20	0.5-8 GPM	3/4" FIPT
06APPMR20MF	20	2-20 GPM	3/4" FIPT
06SPMR20MF	20	2-20 GPM	1" FIPT
30-2230	35	0.5-8 GPM	3/4" 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





Item#	Description
31-5046	½" x 24"
31-5048	½" x 36"
31-5050	½" x 48"



Saddle Tees

Item#	Description
31-3040	3/4" x 3/4" Plastic Saddle Tee 75D (A)
31-3045	1" x 3/4" Plastic Saddle Tee 100D (A)
31-3050	%16" Nut Driver #375 (B)
31-3055	Coring Tool for ¾" FIPT tees HC55 (C)

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





Griffin Irrigation Department



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

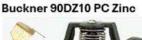
• Spacing: 35 to 48 feet

Specifications:

- 1/2" male inlet, NPT
- Drive nozzle 5/32" #10 nozzle
- Trajectory: 25°
- Rotation: 20° to 340° or Full Circle

Buckner 65P10 Plastic











Item	Description	Vendor
06B65P10	Plastic ½" Full/Part circle, heavy duty plastic impact sprinkler, 5/32" nozzle	65P10
33-3323	PC Zinc ½" Full/part circle powder coated zinc impact sprinkler, 5/32" nozzle 90DZ10	90DZ10
33-5435	Brass ½" 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







QR code for Space-It tech sheet.

Space-ItTM 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:

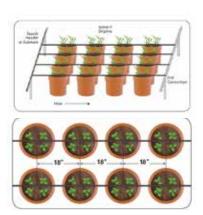
Wall thickness: 8 mmInside diameter: .636"

• 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-lt 18" spacing, 0.636" 8Mil, .4 GPH, 3000' roll	16424-000067
5018324	Space-lt 24" spacing, 0.636" 8Mil, .4 GPH, 3000' roll	16424-000062
50183129	Space-lt 12" spacing, 0.636" 8Mil, .4 GPH, 9000' roll	16424-000063
5018414	Space-lt 14" spacing, 0.636" 8Mil, .4 GPH, 9000' roll	16424-000056
50183169	Space-lt 16" spacing, 0.636" 8Mil, .4 GPH, 9000' roll	16424-000057
50183189	Space-lt 18" spacing, 0.636" 8Mil, .4 GPH, 9000' roll	16424-000058
50183249	Space-lt 24" spacing, 0.636" 8Mil, .4 GPH, 9000' roll	16424-000060



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Or email your inquiry to irrigationdept@griffinmail.com



$Streamline^{TM} X$ Thinwall Dripline

Scan the QR code for Streamline X tech sheet.

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.

Drip Tape Components

For Netafim 630 Series



Universal Grommet for 400 Series Barb (PVC Header) VPN# 12290031 Item: 651385



Universal 7MM Hole Punch Tool For 400 Series Barb VPN# 5013115 Item: 5013115



Rivulis 5/8" Tape x .400 Series Barb VPN# 12030008 Item: 44-800608

Rivulis 5/8" Tape X 3/4"MPT W/

Valve VPN# 101001850

Item: 102-382



Rivulis Tape Loc x .420 Barb With Locking Nut & Shut off Valve VPN# 12030011 Item: 102-380



Rivulis TapeLoc x .400 Barb W/ Shut off Valve VPN# 101008189 Item: 102-383



Netafim Twist Lock 5/8" x 400 Barb VPN#: 32540-000701 **Item:** 44-800626



Rivulis Tape-Loc® x .250 Series Barb VPN#: 12030004 Item: 102-400



Rivulis Tape-Loc® x 3/4" MPT Adapter VPN#: 12030017 Item: 102-339



Netafim TWIST LOCK 5/8"x 3/4" MPT VPN#: 32520-000071 Item: 44-800625

2026



Rivulis 5/8" Tape Coupling VPN#: 1230022 Item: 651381



Netafim Ring-Loc Couplers VPN#: 32500-016770 Item: 44-800610



Netafim.630 line end w/blue ring #32500-016490 **Item:** 44-800617



Irritec 5/8" TAPE X LOW FLUSH VALVE VPN: A2-T5FVL Item: 33-3026



Rivulis Tape Loc x Threaded Auto Flush Valve VPN# 12030058 Item:102-390



Senninger 12 PSI ¾" Low Flow 0.1-8 GPM Pressure Regulator VPN#: PRL123F3F Item: 06PRL12LF



Senninger 12 PSI ¾" FPT Medium Flow 2-20 GPM Pressure Regulator VPN#: PMR12MF3F3FV Item: 06PMR12MF



Senninger 12 PSI 1" FPT Medium Flow 2-20 GPM Pressure Regulator VPN#: 06PMR12MF1 Item: 06PMR12MF1



Netafim 12 PSI 1 1/2" Medium Flow 11-35 GPM Pressure Regulator VPN# 30520-001100 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.



Layer 3 | Spreads, evenly and constantly, water throughout the entire area. It can absorb 2.1 gal./sq.yd. ---

Super Absorbent Felt

through capillary uptake.

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'





Griffin Irrigation Department

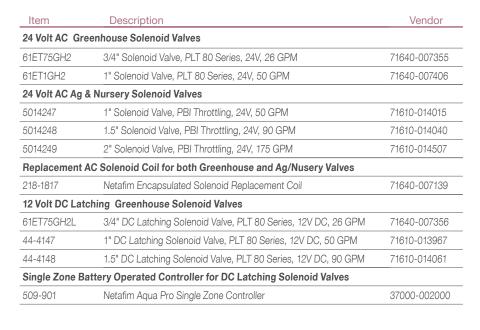


2-way Solenoid Valves

Netafim valves provide superior hydraulic performance for greenhouse or nursery systems.

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.







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 Disk Elements

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 Disk Elements

Item	Description	Vendor		
5012232	Replacement 1" Green 200 Mesh Spine & Discs Only	70620-002550		
5012247	Replacement 11/2" 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 Scre		700101-000298	

Netafim ScreenGuard Vertical Filter

Automatic screen filters provide perfect protection for irrigation systems thanks to extralarge filtration area. Screenguard™ also incorporates the most effective self-cleaning mechanism, saving labor, water, and energy. **Drop Ship Only**

Item	Item Description 5012160 2" threaded 120 Mesh ScreenGuard Vertical Automatic Screen Filter (110 GPM)	
5012160		
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















Scan the QR code for Screen Guard tech sheet.

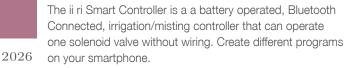


Griffin Irrigation Department

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Or email your inquiry to irrigationdept@griffinmail.com

Irrigation Controllers

Dramm BlueTooth ii ri Smart Controller with Coil



	Item	Description	Vendor
44-5609 II RI Sm		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



Hydroroots Controller

Commercial irrigation controller that is ideal for applications requiring misting, drip or standard irrigation. Integrated with the Cloud to monitor or change settings along with the new Grower Journal. 16 independent outlets with irrigation, mist, pulse, or drip control for each output.

Item: PIRR-A0-16T1



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





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

SUPERIOR

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	

Phytotronic, inc. Electronic Leaf*



- 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



Phytetrenico, 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





Pre-assembled Injection System Customized to Your Operation

H.E. Anderson's pre-assembled systems ship 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.

Technical Specifications

•	
Available in all Flow Ranges	
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.



Perfect Plug and Play Option! The DB Series Ratio:Feeder*

Perfect for Smaller Operations. DB ratio feeders offer a low maintenance alternative to water powered injectors.

- No sliding seals
- 0.25 20 GPM flow range
- Powered by 120 VAC, 12 VDC or solar
- Operating Range 30-125 PSI

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		1 Pumper, 1:100 Ratio System	
33-1035 DB1000W 1 Pumper, 1:1000 Ratio System (Aci		1 Pumper, 1:1000 Ratio System (Acid)	
33-1036	DB1200W	1 Pumper, 1:1200 Ratio Hypoclorinator	
Accessories			
33-1040	DB Plastic Blending Tank (1.9 gal)		
33-1038	19076	Totalizer Add-On	







Introducing the Anderson J Pro Controller!

Single Unit for Injection Control & Monitoring

- pH & EC feedback control
- Proportional injection control
- Built in flow totalizer

Accurate, dependable and flexible. Consolidated control and monitor increases value and reduces complexity. Realtime proportional injection ensures highest possible accuracy. Control multiple systems by adding expansion boards.

Have existing Anderson Equipment?

Key maintenance parts to keep on the shelf.

pH Probe & Accessories

Replace every 2 years or sooner.

A Series Pumpers:

Replace diaphragm kit and valve sets annually or biannually

P & H Series Pumpers:

Replace diaphragm kit and valve sets every 4-6 years.

Contact Griffin for Parts, Repairs & Upgrades!







Diaphragm Kit



Griffin Irrigation Department



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

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 6½"	3/4" NPT Thread
33-2415	D14MZ2	.05 -14 GPM	4.3 - 85 PSI	1:500 to 1:50	191/8" 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 7½"	1" NPT Thread
33-2422	D6MZ2	0.4-26 GPM	7- 70 PSI	1:500 to 1:50	25 ¼" x 8 1/2"	1 1/4" NPT Thread
33-2430	D40MZ2 (Injector Only)	2.2 - 40 GPM	4.3 to 116 PSI	1:500 to 1:50	25 ¼" x 8 ½"	11/2" NPT Thread
33-2432	D40MZ2 (with Bypass)	2.2 - 40 GPM	4.3 to 116 PSI	1:500 to 1:50	25 ¼" x 8 ½"	11/2" NPT Thread
33-2525	D20S	5 - 100 GPM	2 - 120 PSI	1:500 to 1:50	55" x 15" (w/legs)	2" NPT Thread

Models listed above are best used for fertilizer applications. If you need to inject acid or sanitizer ask Griffin Irrigation for help matching the right model to your needs.



Griffin Irrigation Department

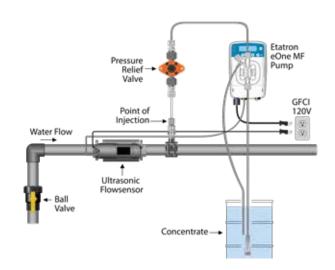
Save Water • Save Labor • Grow More
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Or email your inquiry to irrigationdept@griffinmail.com

Etatron Dosing System Etatron dosing kit can eject:

- 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
218-1820	MDE0110MF.75KITUS	3/4"	10 GPM
218-1821	MDE0110MF1.5KITUS	1.5"	40 GPM
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





Meet the HS20 20 Gallon Dosacart!

20 gallon all in one tank with solid wheels. Compatible with either the D14 or D6.



	Item	Description	
	33-2639	HS20 20 Gallon Dosacart	
	Choose from the below options based on your flow needs		
	33-2640	26 GPM Plumbing Kit	
	00.0400	Dosatron 26 GPM Injector W/Bypass 1 1/4"	
33-2423	1:500 to 1:50 #D6MZ2BPVFII		
	33-2623	14 GPM Plumbing Kit	
	00.0440	Dosatron 14 GPM Injector W/Bypass	
33-2416	33-2410	1:500 to 1:50 #D14MZ2BPVFII	

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 Quick Hook-Up Kit Item: 33-2624 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 131/2"w x 15"d
- Includes cart, 5-gallon bucket with lid, Dosatron D14MZ2 - 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!

D14MZ2 Mini Kit Contents.



D25F1 - 11 GPM Item: 219-006

D14MZ2 - 14 GPM **Item** 219-000

D45RE15 - 20 GPM Item: 219-001

D8RE2 / D40MZ2 - 40 GPM

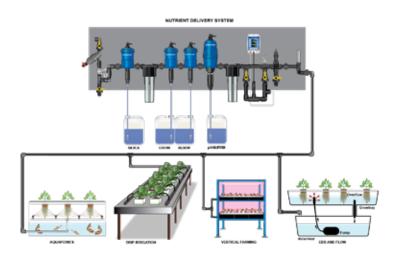
Item: 219-005

D20S - 100 GPM Item: 219-004

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.





Maintain your Injector's Performance with Dosaklean!

Use Dosaklean on a Regular Basis to Cleanse your Injector and Remove:

- Rust
- Calcifications
- Mineral deposits

Item	Description	Vendor
33-2750	Dosa-Klean Cleanser (1 packet)	Cleanser-All
33-2751	Dosa-Klean Cleanser (25 packets)	Cleanser-All-25
33-2752	Dosa-Klean Cleanser (100 packets)	Cleanser-All-100

Dosatron Seal Kits:

Recommended for yearly maintenance.

Item	Description	Vendor
218-1654	Dosatron Seal Kit for D25F1 - 11 GPM	PJ117VF
33-2374	Dosatron Seal Kit for D14MZ2 - 14 GPM	PJDI116VF
218-831	Dosatron Seal Kit for D45RE - 20 GPM	PJ096VF
218-1760	Dosatron Seal Kit for D40MZ2 - 40 GPM	PJDI120VVF
33-2373	Dosatron Seal Kit for D20S - 100 GPM	20PJ030VF

Need Dosatron Parts?

Find your Dosatron model and follow the QR code to identify the part number to meet your needs.



14 GPM





20 GPM

26 GPM





Have questions about Dosatron maintenance? Contact the Griffin Irrigation Department.



Griffin Irrigation Department

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Irrigation Automation Systems





2026

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





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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





Proven Horticulture Benefits

Moleaer nanobubble technology efficiently and cost-effectively enriches water with high concentrations of dissolved oxygen and nanobubbles, offering growers benefits in multiple stages of the growth cycle. Oxygen nanobubble enrichment improves water quality and boosts soil, root and plant health, while lowering treatment and oxygen costs. Many growers have also experienced increased yield.

Nanobubble generators sized to your facility:

Neo

For irrigation and production water storage tanks. Optional ozone nanobubbles offer superior water quality that effectively reduces algae, pathogens and biofilm without the use of harsh chemicals.

Lotus & Lotus PLUS

Irrigation water treatment for small-scale production and irrigation ponds.

XTR

Inline treatment of high-flow irrigation systems.

NEO™ Ozone Optional

LOTUS & LOTUS PLUSTM





2026

Unlock Healthier Crops & Higher Yields with Nanobubble Irrigation Solutions













Irrigation Booms



Are Irrigation Booms a Fit for your Facility?

Maximize your greenhouse by increasing 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.

Is it time to update your irrigation boom controller? Check out Cherry Creek's newest releases below.

NO MORE BOARD REPAIRS!

TIC - Touch Irrigation Controller

- Robust 7" touch screen for greenhouse environments
- English, Spanish, or French at a push of a button
- Ability to remote in via WiFi with phone, tablet or PC
- Custom communications with any 3rd party environmental controller
- Proven: released 6 years ago, now with lots of new features
- Data logging

SIC - Simple Irrigation Controller

- Simple controller: positioned based on posts with only home & away magnets (no encoder or crop magnets)
- Can be triggered to start by your environmental controller
- Very simple programming: minimum screens with days of the week scheduling
- Modes with limited setup: auto, manual, quick water, walk & water
- No circuit boards, so no more repairs or memory chip issues
- Will adapt to existing AC & DC motors

AIC - Adaptive Irrigation Controller

- Adaptive, intelligent, & semi Al driven controller with only home & away magnets (no encoder or crop magnets)
- No calibration required
- Uses TIC controller platform and features with new QR technology add on
- Moving tables and/or stationary areas on the floor have a unique ID: boom will water according to their unique ID's watering parameters



Echo® Hanging Basket System The Original... and Still the Best with New Controller Options

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.

TIC - Water by Weight

- Large 10" Touch Screen that can control up to 32 Echos
- Water by Weight feature. Can circulate the baskets 2 to 3 times a day and only water the ones that are dry/light
- Multiple Crops per Echo with Different Watering Parameters for each

BIC Echo

- Controls one Echo
- Uses the same robust, reliable components as the TIC
- Works on 230 VAC 3 phase Motors, 90 VDC Motors and 120 VA Motors Multiple Crops per Echo with Different Watering Parameters for each



Save Water • Save Labor • Grow More

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Or email your inquiry to irrigationdept@griffinmail.com





GGSPRO

TECHNICAL REFERENCE GUIDE - 6th Edition

GGSPro's cutting-edge services are designed to help growers be more profitable by improving quality and reducing shrink.

Announcing the 6th Edition of the GGSPro Technical Reference Guide with added value that includes:

Includes:

- Pollinator Stewardship
- Abiotic Disorders
- Supplemental & Photoperiodic Lighting
- Scouting
- Insect & Mite Control
- Disease Control
- Biological Control Agents
- Weed Control
- Plant Growth Regulators (PGRs)
- Water Quality & Fertilizers
- Crop Nutrition

- Comprehensive updates to all chapters
- New chemistry, modes of action, and application rates
- New, high-quality photos for referencing disease, insect/mite, and abiotic issues
- New information on a wider range of insect and mite pests including Pepper Thrips
- An in-depth look at BCA program development with product options, rates, and compatible pesticide considerations
- A large reservoir of plant growth regulator tips and recommendations
- Expanded chapters for managing plant nutrition and water quality
- Everything you need to identify, solve, and grow

Item: 98-403 - Reference Guide, 6th edition, 219 pages Item: 98-408 - Reference Guide, 5th edition, Spanish Version

The GGSPro Technical Reference Guide serves as a go-to resource for both experienced and novice growers. Written by Griffin's GGSPro technical support team, the Technical Reference Guide focuses on identifying problems and providing solutions.

"The ultimate frequently asked question resource for growers of all levels of experience."

GGSPRO POCKET GUIDES



2026

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: 98-406Description: Abiotic Nutrition, 70 pagesItem: 98-407Description: Insects, 68 pagesItem: 98-409Description: Diseases, 68 pages

Item: 98-412 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/ggspro-videos

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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.
- 2. 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 ga

American Fluid Measure

80 drops = 1 teaspoon (tsp)

2 tablespoons = 1 fluid ounce (fl c

8 fluid ounces = 1 cur

2 cups = 1 pint (p)

2 capo - 1 pint (pt)

4 guarts = 1 gallon (ga

American Dry Measure

3 tsp = 1 Tbls 16 Tbls = 1 cup 28 gm = 1 oz

Water	Liquid C	Liquid Chemicals, Smaller Volume Conversions				
100 gal	4 Tbls	4 fl oz	8 fl oz	16 fl oz	1 qt	2 qt
25 gal	1 Tbls	1 fl 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

bloom.

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.

Toxicity risk through residual exposure only:

Bees are protected when bees are absent from

the area following treatment. Avoid use of these

avoid treatment when bees are visiting the treatment area. Visiting the treatment area refers to bees that may visit the plants after treatment.



Highly Toxic

EPA describes as very highly toxic, highly toxic or very toxic to bees



Toxic

EPA describes as toxic to bees



Low Toxicity

EPA describes as a potential low toxicity



pathogen or with to bees



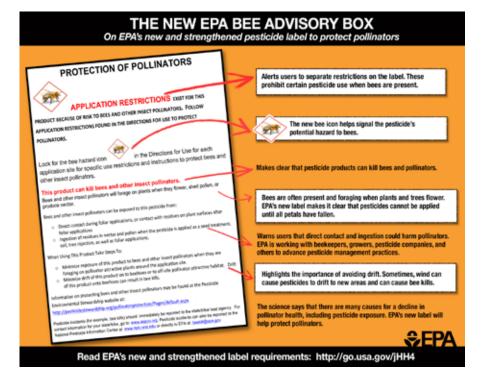
Special case

Special use notes per label; contact GGSPro for more information.

Toxicity risk through both direct exposure and residual exposure:

products when crops and/or weeds are in

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.



FUNGICIDES





Actinovate SP

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: ½-1 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.

2026 Adorn





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 at.

Affirm WDG





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.

Aliette WDG





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 ornamentals in greenhouses, nurseries, and landscapes. Foliar spray rates: 1¹/₄-5 tsp per gal or 1¹/₄-5 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





Active Ingredient: Aluminum Tris

Water dispersable 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 oz 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





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 at.

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Avelyo is a MOA Group 3 fungicide delivering a new active ingredient to this heavily relied on class of chemistry for control of key fungal diseases, including leaf spots and powdery mildew—all with excellent plant safety. It provides strong preventative protection, extended residual activity, and reliable rainfastness for consistent performance under varying conditions. It is labeled for use in nurseries, greenhouses, cut flowers, forest tree plantations, interiorscapes, and more, making it a versatile option for diverse growing environments. Notably, Avelyo is quickly becoming a foundational drench product for *Thielaviopsis* (Black Root Rot) prevention.

Avelyo





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, Botrytis, Colletotrichum, Cercospora, Phyllosticta, Septoria, Phomopsis,* powdery mildew, rust, and others. Drench treatments control *Cylindrocladium* and *Thielaviopsis*. No Chemigation. **Foliar spray rates:** ½-½ tsp per gal or 5-8 fl oz per 100 gal (8-10 fl oz for rust). **Drench rates:** ½ 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







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





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:** 1/8-11/2 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





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 AICL



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







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.



Looking to shake up your fungicide spray rotation? Mode of action (MOA) "7+11's" should be a staple within almost every ornamental grower's cabinet given their ability to cover a wide range of fungal-based pathogen such as *Botrytis*, anthracnose, rust, *Rhizoctonia*, powdery mildew and much more. Broadform is an underutilized and versatile MOA 7+11 solution for both greenhouse and nursery production. Broadform offers a unique MOA 7, Fluopyram that provides superior *Botrytis* control as well as systemic activity in and around flowers making it an excellent option for late season protection.

Broadform







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







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







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:** 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



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.

3336 EG







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:** ²/₃-2 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.

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3336-F







CuPRO 5000





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:** $1-1\frac{1}{2}$ 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.

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





Compass





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:** ½-2/3 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.



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.

Concert II





Active Ingredient: Propiconazole & Chlorothalonil

Combination of systemic and contact fungicides that provide broadspectrum 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: 1/2-4 1/8 tsp per gal or 9-69 fl oz per 100 gal. Restricted use pesticide in MA.

Item: 71-1365 **Size:** 2.5 gal.

Daconil Weather-stik





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 ½ tsp per gal or 22 fl oz per 100 gal. Restricted use pesticide in MA.

Item: 71-1417 Size: 2.5 gal.

Active Ingredient: Fenhexamid

Decree 50 WDG







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.

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Eagle 20 EW







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







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





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:** 1/8-3/4 tsp per 2 gal or 1-6 fl oz per 100 gal. **Not registered in ME.**

Item: 70-1510 **Size:** 24 fl oz.

Fosphite EC

species.



Fenstop – Although there are several mode of action 11's products on the market, Fenstop is unique in its high efficacy in controlling the three common

water molds we deal with in greenhouse and nursery

ornamentals: *Pythium*, *Phytophthora*, and downy mildew. If you struggle with heavy *Pythium* pressure

season after season, Fenstop brings something

sprays can provide effective prevention for aerial

creating losses quickly on various important plant

new to the table for drench options. Similarly, foliar

Phytophthora and downy mildew which wreak havoc



SOLUTION

FENSTOP



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:** ½-¾ tsp per gal or 6-12 fl oz per 100 gal.

Item: 71-1522 **Size:** 2.5 gal. **Item:** 71-1525 **Size:** 55 gal.

Fenstop





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:** ½-1 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*. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 71-14800 **Size:** 1 qt.









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







KleenGrow





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: 3.2-6.4 fl oz per gal or 32-64 fl oz per 10 gal.

Item: 71-1610 **Size:** 2.5 gal.

Active Ingredient: Didecyldimethylammonium Chloride

Kleengrow is a 4th generation DDAC fungicide, algaecide, 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.

Heritage







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*, boxwood blight, *Cercospora*, downy mildew, powdery mildew, *Rhizoctonia*, and scab. Heritage is available as a WG 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
Item: 71-1400
Item: 71-1405
Size: 4 fl oz., SC formulation
Size: 1 lb., WG formulation
Size: 6 lb., WG formulation

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. **Ornamental Drench rate:** 10 grams per 100 gal. Refer to label for specific edible crop application rates. **OMRI listed.**

 Item:
 71-2061
 Size:
 0.88 oz.

 Item:
 71-2063
 Size:
 3.5 oz.

 Item:
 71-2065
 Size:
 2 lb.

Kalmor







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:** ½-2 tsp per gal or 0.5-2 lb per 100 gal. **OMRI listed.**

Item: 71-2050 **Size:** 2.5 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 tsp per 9.5-4.75 gal or 1-2 oz per 100 gal. **Restricted Use Pesticide NY**.

Item: 71-16502 **Size:** 8 oz.

Micora

syngenta





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 at.

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.

MilStop SP







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.

GGSPro Technical Services

Our in-house technical services team delivers prompt, practical and accurate support to Griffin customers everywhere. Visit griffins.com or email GGSProtech@griffinmail.com for more information.

Mural WG

syngenta





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. of Mural fungicide & (2) - 1 pt. Mainspring GNL insecticide

Item: 71-PMM Description: Postiva/Mural Multipak (4) - 28 fl oz of Postiva fungicide & (2) - 1 lb. of Mural fungicide

Nordox 75 WG







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 sprays rates:** ½ tsp per gal or 10.66 oz per 100 gal. **OMRI listed.**

Item: 71-1700 **Size:** 12.5 lb.

Obtego







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





OxiPhos







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 preplant dip for certain crops. Controls anthracnose, Cylindrocladium, Rhizoctonia, Sclerotinia, Thielaviopsis, and others, Foliar sprays and drench rates: ½-1¼ 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





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 preplant dip for certain crops. Controls anthracnose, Cylindrocladium, Rhizoctonia, Sclerotinia, Thielaviopsis and others. Foliar sprays and drench rates: 1% tsp-4½ tsp per gal or 8-16 oz per 100 gal. Restricted use pesticide in CT & NY.

Item: 71-2672 Size: 2 lb.

Orkestra Intrinsic





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:** ½-¾ 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: 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.

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. O hr REI for drench applications if label conditions are met. Foliar spray rates: 2.5 tsp-1.25 fl oz per gal or 42-128 fl oz per 100 gal. **Drench rates:** 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

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: ½-1½ tsp per gal or 6-18 oz per 100 gal. **Drench rates:** 1-1½ 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







Phyton 35







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*: ½-3½ 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.

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:** 3/4-3 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 L **Item:** 71-2737 **Size:** 1 gal.

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 crops, and ornamentals. Provides prevention and control of downy mildew, powdery mildew, *Botrytis*, and bacterial leaf spots. **Rates:** 1/8-1/2 oz per gal or 1-3 lb per 100 gal. Refer to label for liverwort control. **Do not apply to crops in bloom. OMRI listed.**

Size: 50 lb. (3 bag minimum)

Phostrol **'nufarm**





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:** 1%-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.







Active Ingredient: Pydiflumetofen & Difenoconazole

Broad spectrum, translaminar systemic with long residual 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. Do not use on Celosia. Foliar spray and Drench rates: 2/3-1¾ 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 **Item:** 71-2405 **Size:** 1 gal.

Multipacks:

Item: 71-PMM **Description:** Postiva/Mural Multipak (4) - 28 fl oz of Postiva fungicide & (2) - 1 lb. of Mural fungicide



Postiva is a staple, go-to fungicide trusted by many growers for its effectiveness in managing above and below ground issues such as *Botrytis*, fungal leaf spots, powdery mildew, and *Fusarium*. With dual modes of action (MOA 3 + 7), Postiva is a broad-spectrum tool for most disease rotation strategies. Additional benefits include its translaminar and locally systemic activity along with proven bloom safety making it an excellent choice for dense, flowering canopies—especially during late spring production.







Active Ingredient: Citric Acid

25b product for preventative control of powdery mildew and both preventative/curative control of Botrytis. Recommended for greenhouse and field crops, including hemp and cannabis. Foliar spray rates: 0.5-3.5 fl oz/gal. 0 day PHI.

Item: 71-2741 Size: 2.5 gal.

Protect DF





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







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 <u>3-4 gal</u> 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 at. Item: 70-2844 Size: 1 gal. Item: 70-2845 Size: 2.5 gal.

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. Size: 500 lb. **Item:** 71-2783 Item: 71-2785 Size: 1,000 lb.

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.

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 ½-¾ 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.

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:** ½-1 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.

Segovis







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:** $\frac{1}{6}$ to $\frac{1}{2}$ tsp per $\frac{3.5 \text{ gal}}{2}$ or 0.6 to 2.4 fl oz per 100 gal. **Drench rates:** $\frac{1}{6}$ to 1 tsp per $\frac{5 \text{ gal}}{2}$ or 0.65 to 3.2 fl oz per 100 gal.

Item: 71-3100 **Size:** 1 pt.

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: \%-\% tsp per

3 gal or 2.1-3.5 fl oz per 100 gal. Drench rates: \(\frac{1}{4}\)-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:** 71-3113 **Size:** 64 fl oz.



Seido is a new fungicide with a unique mode of action to horticulture (MOA 50) and translaminar activity, helping it reach deeper into the plant tissue for more effective control of powdery mildew. Best used preventatively, Seido should be a staple product for any ornamental spray rotation for powdery mildew, an ever-challenging disease to manage year after year. With strong plant and bloom safety, it's an excellent tank mix partner with other insecticides or fungicides for early spring applications and beyond.

Seido





Spectro 90 WDG







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.

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Active Ingredient: Thiophanate-methyl & Chlorothalonil Labeled for greenhouses, interiorscapes, nurseries and turf. Controls *Alternaria, Botrytis, Cercospora, Rhizoctonia*, powdery mildew, rusts, scabs and more. Caution on open blooms.

Foliar spray rates: 1–2 Tbls per gal or 1–2 lb per 100 gal. 12 hr REI with additional WPS requirements for the next 6½ days. Consult label for details. Not registered in ME. Restricted use pesticide in MA & NY.

Item: 71-2755 **Size:** 5 lb.

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 fl 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 'nufarm





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:** ½-¾ 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







MOA | REI

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 ½-1 fl oz per 100 gal. A O 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 at. Item: 71-2978 Size: 1 gal. **Item:** 71-29781 Size: 10 gal.

SuffOil-X

Active Ingredient: Horticultural oil

Listed under Insecticides page 369

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 at.

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







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. 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







Active Ingredient: Bacillus amyloliquefaciens strain D747

Biofungicide/bactericide for use on ornamentals, vegetables, 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.









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 | REI 14 | 12

Active Ingredient: Etridiazole

Controls Pythium and Phytophthora in ornamental and nursery crops. Drench rates: Bedding plants (soil 2-3" deep) 1/4 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





Active Ingredient: Etridiazole

Controls Pythium and Phytophthora in ornamental and nursery crops. **Drench rates:** Bedding plants (soil 2-3" deep) 3/4-1 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 sg 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.

WarHammer







Active Ingredient: Chitosan

WarHammer is a broad-spectrum biostimulant that helps crops defend themselves against parasitic nematodes, fungi, bacteria, and some viruses. It suppresses key soil-borne pathogens such as Fusarium, Rhizoctonia, Pythium, Phytophthora, Sclerotinia, and Verticillium, while also controlling foliar diseases including powdery and downy mildew, Botrytis, fire blight, Alternaria, and Xanthomonas species. Effective on fruits, vegetables, grains, nuts, herbs, and more. WarHammer can be applied as a drench, foliar spray, or seed treatment, and is compatible with a wide range of fertilizers, pesticides, and biostimulants. Foliar spray rates: 1/4-3/4 tsp per gal or 4-12 fl oz per 100 gal. **Drench rates:** 1/4-3/4 tsp per gal or 4-12 fl oz per 100 gal.

Item: 75-9590 Size: 2.5 gal.



Just like ketchup and mustard, chemicals have a shelf life that must be respected to maximize plant safety and product effectiveness. You can ensure maximum shelf life by storing products according to label recommendations - typically in cool, dry conditions away from direct sunlight. Shelf life can vary widely, ranging from as little as 6 months to over 8 years, so it's important to keep track of purchase dates and storage conditions. Contact GGSPro for specific shelf-life information on the items in your cabinet. Email GGSProtech@griffinmail.com.

ZeroTol 2.0









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 Size: 2.5 gal. Item - CA only: 71-35501-CA **Size:** 2.5 gal. Size: 30 gal.

Item: 71-35511 Item - CA only: 71-35511-CA

Item: 71-35521

Item - CA only: 71-35521-CA

Size: 30 gal.

Size: 55 gal. Size: 55 gal.

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.

REI **12**

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

B-Nine WSG

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: 73-12530 **Size:** 5 lb.

Bonzi

syngenta

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.

GROWTH REGULATORS

Abide **fine**



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





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.



Bonzi is well known for its exceptional strength in regulating plant growth and can be a valuable addition to your PGR toolkit. When used appropriately, it promotes shorter internodes, deeper green foliage, and enhanced bud set. For best results, apply Bonzi as a foliar spray at a 45-degree angle, taking care to minimize contact with the growing medium—this product is significantly more active in the root zone. For extended control, reach out to GGSPro for recommended drench rates and volumes. Due to its potency, Bonzi should not be used in recirculating irrigation systems or in recycled pots, especially when working with sensitive crops.



CytoFlor



REI 12

Active Ingredient: Chlormeguat

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.

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.

fine Collate 2L



Dazide 85 WSG



REI **12**

Active Ingredient: Ethephon

Collate can be used for various different purposes such as enhanced branching, bloom delay, flower induction in bromeliads, reduced internode elongation, and mistletoe removal on ornamental trees and shrubs. Labeled for foliar spray and substrate drench. Reference label for rates and instructions for specific uses.

Item: 73-1285 Size: 1 gal.

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.

Size: 5 lb. Item: 73-1390

Concise





Fascination



REI 4

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.



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 9.5 SC





Florel Pistill



REI 48

Active Ingredient: 6-Benzyladenine

Applied as a foliar spray to certain container-grown ornamentals in greenhouses. Effects vary by plant species and include increased basal branching, flower bud set and production of offsets in responsive crops. Rates vary considerably, please consult the label.

Item: 73-1306 Size: 0.5 gal.

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. Item: 73-1661 Size: 2.5 gal. Fresco

REI 4

Piccolo

REI 12

Active Ingredient: 6-Benzyladenine & GA 4 & 7

fine

Dual active ingredient plant growth regulator works by increasing cell elongation. Use to increase plant branching and plant height. Useful to overcome excessive PGR applications. Spray and drench applications allowed. Refer to the label for specific rate guidance.

Item: 73-1700 Size: 1 qt.

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.

Paclo Pro





Piccolo 10 XC





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.

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.

2026

Pac O





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.





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, calla lily, chrysanthemum, cyclamen, fuchsia, geranium, hydrangea and other crops. Rates vary widely depending on the application. OMRI listed.

Item: 73-1929 Size: 1 qt.

Sumagic







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 volumes 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.

Active Ingredient: Uniconazole

GGSPro Technical Services

Our in-house technical services team delivers prompt, practical and accurate support to Griffin customers everywhere. Visit griffins.com or email GGSProtech@ griffinmail.com for more information.

Topflor





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.

Size: 2 L

Size: 5 gal. Propak **Item:** 73-2010

ROOTING HORMONES AND FERTILIZER SOLUTIONS FROM CLONEX

Clonex Gel





REI O

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, alcoholfree, 0.31% indole-3-butyric acid (IBA). Assorted package sizes available. Rate: ready to use from package. Sold in case gty. only.

Item: 81860068 Size: Gel 15 ml. Packet (108 per cs.) **Size:** Gel 100 ml. (12 per cs.) Item: 81860067 Item: 81860069 **Size:** Gel 250 ml. (12 per cs.) Item: 81860074 Size: Gel Pint (6 per cs.) Size: Gel Quart (1 per cs.) Item: 81860075

ROOTING HORMONES

fine Advocate

GGSPRO TIP

ELEVATING QUALITY -PLANT

GROWTH REGULATORS

If you're new to plant growth regulators (PGRs), the wide range of options available can feel overwhelming - GGSPro is here to help. PGRs are powerful tools for producing on time, uniform, well-branched, and properly sized material. The 6th

Edition GGSPro Technical Reference Guide includes

an entire chapter dedicated to PGR use with detailed recommendations and rate guidelines. Need help

getting started? GGSPro is always available to provide personalized recommendations or share

bulletins to guide your PGR decisions.

REI 12

Active Ingredient: Indole-3-Butyric Acid

Liquid 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.

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)

Dip 'N Grow

REI 24

Active Ingredient: Indole-3-Butyric Acid & 1-Napthaleneacetic 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.



Active Ingredient: Flurprimidol

Item: 73-2005

352

Hortus IBA Water Soluble Salts 20%



Active Ingredient: Indole-3-Butyric Acid

Dissolve Hortus 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 by plant and application method, 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





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







ROOT CONTROL COATING

Spin Out 260





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







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. Controls 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





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 and non-crop areas. 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: 72-15751
 Size: 10 gal.

Barricade 65 WG

Item: 72-1571 **Size:** 5 lb.

Biathlon





Envoy Plus





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.

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.

BroadStar





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. **Rates:** 2.3-4.6 lb per 1,000 sq ft or 150 lb per acre. **Restricted use pesticide in NY.**

Item: 72-1088 Size: 50 lb.

Finale XL T&O





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 MF.

Casoron 4G





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 or 100-200 lb per acre.

Item: 72-1592 **Size:** 50 lb.

FireWorxx

Item: 72-1605



Size: 2.5 gal.



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.

Cheetah Pro





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.

Fortress





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





Gemini 3.7 SC



Selective **pre-emergent** herbicide with two active ingredients for

the control of grasses and broadleaf weeds for certain established

Tbls per 1,000 sq ft or 38-87 fl oz per acre. Not Registered in NY.

ornamentals in nurseries (container and field grown), non-crop

Size: 2.5 gal.

areas, Christmas tree farms and other sites. Spray rates: 13/4-4

Active Ingredient: Prodiamine & Isoxaben



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.

Gemini Granular

Item: 72-1682





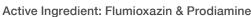
Active Ingredient: Prodiamine & Isoxaben

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.

Fuerte





Pre-emergent 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.

Lontrel





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.

Fusilade II **syngenta**



MOA

3+14 | 12

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.

Marengo





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. **Rates:** 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

Gallery SC





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:** ½-½ tsp per gal or 16-31 fl oz per acre.

Item: 72-1645 **Size:** 1 qt.

Marengo G





Pennant Magnum Liquid





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 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:** 2.3-4.6 lb per 1,000 sq ft. or 100-400 lb per acre. **Restricted use pesticide in NY. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-28182 Size: 50 lb.

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 or 0.5 gal per acre. **Restricted use pesticide in MA, NH, NY & VT. Prohibited in Nassau and Suffolk County, NY.**

Item: 72-1525 **Size:** 2.5 gal.

Active Ingredient: Simazine

OH2 **AICL**



Princep Liquid





Active Ingredient: Pendimethalin & Oxyfluorfen

Ornamental Herbicide II is a **pre-emergent** granular herbicide for container and field ornamentals. Combines oxyfluorfen and pendimethalin for 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.

1 1

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**

Item: 70719025 Size: 2.5 gal.

Pendulum Aquacap





Active Ingredient: Pendimethalin

Pre-emergent herbicide for control of most grasses and certain broadleaf weeds. Labeled for turf, field and certain container grown ornamentals listed 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.

Ranger PRO

County, NY.





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.

Pendulum 2G





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 lb per 1,000 sq ft or 100-200 lb per acre. **Restricted use pesticide in VT.**

Item: 70698340 **Size:** 40 lb.

Reward





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





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

A non-selective post-emergent herbicide, more concentrated

ingredient makes this formulation more economical to use. Can

be used in greenhouses when no desirable vegetation is present.

version of Roundup Pro. The higher concentration of active

Rates: 0.5-10.5 fl oz per gal or 38.4-128 fl oz per acre.

Size: 2.5 gal.

SureGuard EZ





Active Ingredient: Flumioxazin

An improved formulation of SureGuard SC - Pre-emergent 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. Rates: 1.5-2 tsp per gal or 8-12 fl oz per acre. Not Registered in NY.

Item: 72-8212 Size: 1 pt. Item: 72-8215 Size: 64 fl oz

Roundup Pro





SureGuard Xtra.





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. Not registered in NY, ME, AK and CA.

Item: 72-8222 Size: 1 gal.

Concentrate





Active Ingredient: Glyphosate

Scythe

Item: 72-2869





Active Ingredient: Pelargonic Acid

A naturally occurring fatty acid for use as a non-selective postemergent, 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. Rates: 4-13 fl oz per gal or 3-10 gal per 100 gal.

Item: 75-10512 **Size:** 2.5 gal.

Tenacity





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 fl 07.

Snapshot 2.5 TG





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 or 100-200 lb per acre. Not registered in NY.

Item: 72-2972 Size: 50 lb.

Treflan 5G HDG





Active Ingredient: Trifluralin

Pre-emergent granular 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.



GGSPRO TIP

MANAGING WEEDS IN THE **GREENHOUSE OR NURSERY**

Controlling weeds can be challenging due to strict label requirements and the complexity of different herbicide products. Choosing the right solution depends on several factors, including timing, selectivity, crop safety, and the type of weeds present. GGSPro is here to help you navigate these choices whether you need a product that is pre-emergent or post-emergent, selective or non-selective, as well as guidance on compatibility with crops currently in production. Need expert advice? Give us a call or refer to the Weed Chapter in our 6th Edition Technical Reference Guide for detailed information.

INSECTICIDES

Acelepryn syngenta



Active Ingredient: Chlorantraniliprole

Long residual insecticide for use on ornamentals in greenhouses, interior plantscapes 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







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: 1/3-11/3 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 envu



Active Ingredient: Diflubenzuron

Insect growth regulator. Effective control for greenhouse fungus anat 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)

syngenta Advion Fire Ant Bait



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 requires uniform distribution of the product 3-4 feet around the mound. Do not disturb the mound and do not apply to top 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







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, pysllids 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: 1-1½ 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.





Aria WDG • OVL



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.



Often referred to as a "neo-nicotinoid alternative." Altus offers broad-spectrum insect control with a similar mode of action, classified in group 4D. This bloom and plant safe formulation can be applied as a foliar spray or drench for ornamental and edible productions. This can be valuable tool for aphid control on cucumbers, lettuce, peppers, and tomatoes - right up to harvest along with a wide range of other edible transplants. With translaminar activity, Atlus effectively controls aphids, whiteflies, mealybugs, and plant bugs, while also suppressing Western Flower Thrips (WFT) and soft scale. GGSPro frequently recommends Atlus for lateseason aphid management in hanging baskets, thanks to its relatively low cost in use as a pollinator and BCA safe drench option.

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.

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:** ½ -1½ 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. of 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. No additional surfactants needed. **Foliar spray rates:** 2/3 to 1 1/3 tsp per gal or 10-16 fl oz per 100 gal. **Drench rate:** 6.4 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 qal.

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 1,000 sq ft. Safe for tomatoes. OMRI listed.

Item: 70-12521 **Size:** 1 lb.

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, aphids, 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:** ½-1 tsp per gal or 8-16 fl oz per 100 gal. **OMRI listed.**

Item: 70-12301 **Size:** 1 qt.



The active ingredient Azadirachtin, found in products like Azatin O, AzaGuard, Aza-Direct, and Molt-X, is a powerful Insect Growth Regulator (IGR) that disrupts multiple life stages across a wide range of insect pests. When paired with *Beauveria bassiana* (e.g., Principle WP, BotaniGard WP), *Isaria fumosorosea* (e.g., NoFly WP) *Metarhizium brunneum* (e.g., LalGuard M52 OD) products, or conventional chemistry, the combination works synergistically to enhance control and reduce pest pressure more effectively than when used alone. With OMRI listings and broad-spectrum activity, these products are excellent choices for both edible and ornamental production as a valuable tool in any integrated pest management (IPM) rotation.

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 formation*. Check compatibility with fungicides prior to tank mix. **Foliar spray rates:** ½-2 tsp per gal water or 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.









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 at.

GGSPro Technical Services

Our in-house technical services team delivers prompt, practical and accurate support to Griffin customers everywhere. Visit griffins.com or email GGSProtech@ griffinmail.com for more information.

GGSPRO TIP INVASIVE SPECIES ALERT -PEPPER THRIPS!

Also known as Pepper Thrips, Thrips parvispinus has quickly become a serious concern in the growing world. This species is more difficult to control and often requires a different management approach compared to Western Flower Thrips. One key to identification is the appearance of the adult females, which are distinctly two-toned, brown and tan in color. For effective knockdown across all life stages, the current top-tier treatment options include Conserve, XXpire, and Pylon. For detailed guidance on scouting, identification, and treatment strategies, contact the GGSPro Technical Team for their Pepper Thrips Bulletin.

Conserve SC (CORTEVA







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: 1/3-11/4 tsp per gal or 6-22 fl oz per 100 gal water. Many outdoor edible crops on the label.

Item: 70-1365 Size: 1 at.

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.

CoreTect =0VU







Ecotec Plus









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 and can be found on the label. Restricted use pesticide in CO, CT, MA, MD, ME, NJ, NV & NY. Not approved for use in VT.

Item: 70-1380 Qty: 250 tablets/bottle

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.







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.

Endeavor WP







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. For ornamentals only in CA.

Item: 70-1655 Size: 15 oz.

DiPel Pro DF







Engulf GHN 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.

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.

Distance IGR







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: 1/3-2/3 tsp per gal or 6-12 fl oz per 100 gal. Do not use on salvia, fern, scheflera, heuchera or gardenia. Drench rates and special instructions for poinsettias are on the label.

Item: 70-1465 Size: 1 at.

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









Floramite SC **POVU**

Active Ingredient: Bifenazate

gal or 4-8 fl oz per 100 gal.



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







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: 1/8-11/4 tsp per gal or 3-22 fl oz per 100 gal. OMRI listed.

Item: 70-1538 Size: 1 at.

Item: 70-16530

Size: 1 qt.



EpiShield O









Active Ingredient: Peppermint Oil & Clove Oil

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. OMRI listed.

Item: 70-1544 Size: 36 oz. Item: 70-1547 **Size:** 2.5 gal.

Flagship 25WG







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: ½-1 tsp per gal or 4-8.5 oz per 100 gal. Drench volumes found on the label. **Restricted use pesticide** in CT, MA, MD, ME, NJ, NV & NY. Prohibited in Nassau and Suffolk County, NY. NY use limited to Christmas trees and greenhouses. Not approved for use in VT.

Item: 70-17002 Size: 2 lb.

Fulcrum





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 at.

Gnatrol WDG





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 **M** ProFarm





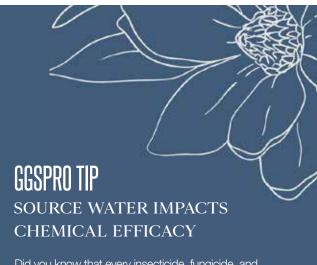




Active Ingredient: Chromobacterium subtsugae strain PRAA4-1T

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. Size: 4 lb. **Item:** 70-1754 Item: 70-1756 Size: 10 lb.



Did you know that every insecticide, fungicide, and plant growth regulator (PGR) has an optimal pH range for maximum effectiveness? GGSPro collaborates with our trusted vendors to compile ideal pH ranges for all our chemical offerings. Since our goal is to help you maximize profitability, we've already done the hard work—this information can be found in the 6th Edition GGSPro Technical Reference Guide. This is also a key reason to have your water tested regularly. If adjustments are needed, our technical team can guide you on altering your spray solution pH to the appropriate target. Email GGSProtech@griffinmail. com for specific questions to get you started.

Hachi-Hachi SC









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: 11/3-2 tsp per gal or 21-32 fl oz. per 100 gal. Not registered in NY.

Item: 70-1795 **Size:** 0.5 gal.

Hexygon IQ







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.

Kontos







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: 70-19602 **Size:** 250 ml (8.45 fl. oz).

Item: 70-19604 **Size:** 1 qt.

Kopa







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







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







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.

Mainspring GNL







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: ½-3/4 tsp per gal or 4-12 fl oz per 100 gal. Drench rates: ½-3/4 tsp per gal or 8-12 fl oz per 100 gal. Drench to wet ½-2/5 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. of Mural fungicide & (2) - 1 pt. Mainspring GNL insecticide

Mainspring Xtra





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, residental 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 tsp per gal or 5-10.5 oz per 100 gal. Refer to label for soil drench volumes. Restricted use pesticide in CT, MA, ME, NJ & NV. Not for sale in CA, NY, or VT.

Item: 70-2333 **Size:** 48 oz.

Mallet 0.5 G nufarm



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 CT, MA, MD, ME, NJ, NV, NY & VT. Prohibited in Kings, Queens, Nassau & Suffolk County, NY.

Item: 70-2345 **Size:** 30 lb.

Mallet 2F









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 CT, MA, MD, NJ, NV & NY. No soil injection in Nassau and Suffolk Country, NY. Not approved for use in VT.**

Item: 70-2340 **Size:** 1 gal.

Marathon 1% G







Active Ingredient: Imidacloprid

Granular systemic insecticide. Controls aphids, mealybugs, caterpillars and others. Long-lasting residual control; 4-6 weeks with a single application. Labeled for use on ornamentals, nonbearing fruit trees, and certain vegetable transplants. **Rates:** See label for rate chart. Higher rates are on the label for three or more plants per pot. **Restricted use pesticide in CT, MA, MD, NJ, NV & NY. Not approved for use in VT.**

Item: 70-23752 **Size:** 5 lb. **Item:** 70-23812 **Size:** 50 lb.

Marathon II









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: ½ tsp per 5 gal or 1.7 fl oz (50 ml) per 100. See label for soil treatment rates. Restricted use pesticide in CT, MA, MD, NJ, NV & NY. No soil injection in Nassau and Suffolk County, NY. Not approved for use in VT.

Item: 70-23712 **Size:** 250 ml.

Minx 2 Inufarm





NoFly WP







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), waterbased 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. **Size:** 1 qt. **Size:** 1 gal.

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. **Size:** 20 lb.

Molt-X







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: ½-1 tsp per gal or 8-16 fl oz per 100 gal. **Drench rates:** ½ tsp per gal or 8 fl oz per 100 gal. **OMRI listed.**

Item: 70-2405 **Size:** 1 qt. **Size:** 1 qt.

Notavo





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. **Foliar spray rates:** 1/8 tsp per gal or 2 fl oz per 100 gal.

Item: 70-2520 **Size:** 1 pt.

M-Pede







Overture 35 WSP





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 and use as deer repellent. 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.

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, loppers, 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:** ½ 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.



PRINCIPLE WP

Pradia







Active Ingredient: Cyclaniliprole & 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. Not registered in CA.

Item: 70-2630 **Size:** 1 qt.

Introducing BioWorks' latest Beauveria bassiana formulation, designed to provide resistance-free control of thrips, aphids, whiteflies, and more. Backed by over 20 years of experience in biological solutions, BioWorks continues to support growers with effective tools for integrated pest management. This OMRI-listed product is tank-mix compatible and versatile in application - whether sprayed, fogged, or used as a dip. For best results, apply during early morning or evening hours to minimize UV degradation and maximize efficacy when relative humidity is highest. With no restrictions on application frequency or seasonal volume, this product is an excellent choice to keep in rotation throughout the growing cycle for both edible and ornamental production.

Principle WP









Active Ingredient: Beauveria bassiana strain BW149

Wettable powder biological insecticide formulated with the entomopathogenic fungus *Beauveria bassiana*, designed for use in greenhouses, nurseries, landscapes, and field production. It offers effective control of a wide range of soft-bodied insect pests, including thrips, aphids, whiteflies, mealybugs, diamondback moths, and cabbage loopers (see label for full list of pests). PRINCIPLE WP is suitable for use on ornamentals, edibles, and herbs making it a versatile solution for integrated pest management (IPM) programs. **Foliar spray rates:** 1-4 tsp per gal; 0.5-2 lb per 100 gal. Refer to the label for plant dip rates. **OMRI listed.**

Item: 70-2645 **Size:** 1 lb.

PyGanic 5.0 Specialty









Active Ingredient: Pyrethrins

Insecticide with natural pyrethrins labeled for a wide range or 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.











Romivex DIP







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 a 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: 70-26750 Size: 1 qt.

Active Ingredient: Rosemary Oil

Romivex[™] DIP is an insecticide and miticide developed for dipping unrooted cuttings to provide effective protection against mites and small, soft-bodied insects. Formulated with rosemary oil, adjuvant, and emulsifiers, it delivers multiple modes of action for reliable control. Romivex [™] DIP targets two-spotted spider mites, aphids, whiteflies, thrips, mealybugs, Lygus bugs, and more. Labeled for use on all plants and crops, it is ideal for greenhouses, nurseries, ornamentals, and landscapes, offering broad-spectrum control in one easy-to-use solution. Dip rates: 0.32-0.64 fl oz per gal or 32-64 fl oz per 100 gal.

Item: 70-2860 Size: 1 gal.

2026

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.









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 ½-1 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 CT, MA, MD, ME, NJ, NV & NY. Special use instructions for NY on 24C label. Not approved for use in VT.

Item: 70-29951 Size: 3 lb.

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 Qtv: 12-2 oz.

Sanmite SC









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 <u>2.5-1.66</u> 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 at.









Shuttle







Active Ingredient: Cyclaniliprole

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. Not labeled in CA, MA, NY, OR.

Item: 70-2975 Size: 64 fl oz.

AUVU Savate



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.



With resistance pressure mounting in the miticide field, Savate (formerly known as Judo) continues to provide relief toward several troublesome mite species found in greenhouse and nursery production including twospotted spider, broad, boxwood, spruce, cyclamen, and Lewis mites. Providing contact and translaminar systemic activity, Savate attacks mites hiding underneath the leaf and tough to reach areas of the plant as a spray. Do not wait to experience a season battling an unforgiving mite outbreak before bringing this miticide into your arsenal.

Active Ingredient: Acequinocyl

Miticide for spider mites and spruce mites that combines a guick knockdown and long residual control. Shows activity against all life stages of susceptible mites. Labeled for ornamentals and certain fruiting and cucurbit vegetables in greenhouses and nurseries. Labeled for outdoor landscapes around the perimeter of residences, businesses, schools and public property; and on ornamentals in non-residential interiorscapes. Use only the lowest rates on impatiens and roses. Do not use on miniature roses. Foliar spray rates: ½-¾ tsp per gal or 6.4-12.8 fl oz per 100 gal.

Item: 70-3013 Size: 1 at.

Sil-Matrix LC







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







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:** ½-¼ 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. **OMRI listed.**

Item: 70-4040 Size: 2.5 gal. Item: 70-4043 Size: 30 gal. **Item:** 70-4045 Size: 250 gal.













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: 3/4 tsp per gal or 13.7 fl oz per 100 gal. Not registered in ME.

Item: 70-3045 Size: 16 fl oz.

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.

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 preincorporated 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.

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 vary by pest: 1/4-11/2 tsp per gal or 4-25 fl oz per 100 gal. Restricted use pesticide in MA, MD, NJ, NV & NY. Not approved for use in VT.

Item: 70-85221 Size: 1 qt. Item: 70-85241 Size: 1 gal.

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: $\frac{2}{3}$ - $\frac{1}{3}$ 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.





TetraCURB MAX









Active Ingredient: Active Ingredient: Castor Oil, Rosemary Oil, Clove Oil, & Peppermint Oil

TetraCURBTM MAX is a contact biopesticide designed to control mites and a wide range of small, soft-bodied insects. More than a traditional horticultural oil, it combines rosemary oil with functional ingredients for multiple modes of action, making it a valuable tool for resistance management and IPM programs. Labeled for food and non-food crops, it can be used indoors or outdoors on fruits, vegetables, ornamentals, citrus, nuts, hops, and hemp, delivering broad-spectrum control as a spray or unrooted cutting dip. Foliar spray rates: 0.32-2.56 fl oz per gal or 32-256 fl oz per 100 gal. **Dip rates:** 0.32-0.64 fl oz per gal or 32-64 fl oz per 100 gal.

Item: 70-3125 Size: 1 gal.

Ultra-Pure Oil



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 gal.



















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: 1/4-3/4 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: 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: 1/4-1/3 tsp per gal or 2-2.75 oz per 100 gal. Not registered in ME, NY, CA & AK.

Item: 70-9700 Size: 1 lb.



XXpire combines sulfoxaflor and spinetoram to control over 39 insect pests, including key chewing and sap-feeding species found in greenhouses and outdoor nurseries. For late-season fog or spray applications aimed at aphids, thrips, and caterpillars on finishing material, XXpire is an obvious choice, offering one of the highest levels of plant and bloom safety available. With two distinct modes of action, it reduces the risk of resistance and fits well into integrated pest management (IPM) spray rotations for thrips, aphids, and whiteflies. Its xylem-mobile and translaminar activity ensures quick knockdown action, stopping pests from feeding shortly after application.







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 fruitbearing 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: 1at. Item: 70-9464 Size: 1 gal. Item: 70-9465 Size: 2.5 gal.

Ventigra









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, 1/4 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.



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. Bioline Agrosciences, 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 2 pm (EST) Tuesday/Wednesday with shipment the following week.



Photo Credits: Agro Biosciences

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
	Aphelinus abdominalis
	Aphidius colemani
	Aphidius ervi
	Aphidius matricariae
	Aphidius colemani 50%, ervi 50%
	Aphelinus abdominalis 50%, Aphidius colemani 25% and A. ervi 25%
Aphids	Aphelinus abdominalis 25%, Aphidius colemani 25%, A. ervi 25%, and A. matricariae 25%
	Aphidoletes aphidimyza
	Adailia bipunctata
	Hippodamia convergens
	Rhopalosiphum padi (prey aphids for A. colemani)
	Acyrthosiphon pisum (prey aphid for A. ervi)
	Chrysoperla carnea
	Chrysoperla rufilabris
	Отпузорона гишарнз
Caterpillar/Moth Eggs	Trichogramma sp
Caterpillar/Moth Nymphs & Adults	Podius maculiventris
	(Atheta coriaria) Dalotia coriaria
Fungus Gnats, Shoreflies, Thrips Pupae	(Hypoaspis miles) Stratiolaelaps scimitus
, , , , ,	See Nematodes pages
	Diglyphus isaea
Leafminers	Dacnusa sibirica
	Anagyrus vladimiri (Available only in CA)
	Cryptolaemus montrouzieri
Mealybugs	Chrysoperla carnea
	Chrysoperla rufilabris
	Amblyseius andersoni
	Amblyseius californicus
	Amblyseius fallacis
Spider Mites	
	Feltiella acarisuga
	P. persimilis + A.californicus
	Phytoseiulus persimilis
	Amblyseius cucumeris
	Orius insidiosus
Thrips	Amblyseius swirskii
	Atheta coriaria (Dalotia coriaria)
	Stratiolaelaps scimitus (Hypoaspis miles)
	See Nematodes pages 376-378
	Encarsia formosa
Whiteflies	Encarsia formosa & Eretmocerus eremicus
	Eretmocerus eremicus
Pollination	Bombus impatiens
Food Source Orius, Dicyphus & Lacewing (Chrsoperla)	Ephestia kuehniella
Food Source for A. cucumeris, swirksii & Orius	Artemia
Food Source for <i>Chrysoperla</i> (Lacewing larvae)	
Food Source for Predatory Mites	Typha pollen or Carpoglyphus lactic
Food Source for Predatory Mites; Control Agent is <i>Thyreophagus Entomophagus</i>	
European Pepper Moth Lure	

Beneficial Insectary	BIOBEE trajend day heat an	Bioline	Nature's Control	IPM Labs
Aphelinus System		Apheline		
APHIDIUSforce™ C	BioAphidius	Aphiline		
APHIDIUSforce™ E	BioErvi	Erviline		
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		
Predatory Soldier Bug		Podiline		
DALOTIAforce™	BioAtheta	Staphyline		
STRATIOforce™	BioStratiolaelaps	Hypoline		
Diglyphus System	BioDiglyphus	Digline		
Dacnusa System				
Anagryus	BioAnagyrus			
CRYPTOforce™	BioCryptolaemus	Cryptoline		
	BioLacewing	Chrysoline		
CHRYSOforce™ R			Green Lacewing	
AMBLYforce™ A	BioAndersoni	Anderline		
CALIforce™	BioCalifornicus & BioCali Combo	Californiline		
	BioFallacis			
FELTIELLAforce™		Feltiline		
		PERCAL Mix		
PERSIMILISforce™	BioPersimilis/BioPersi+	Phytoline		
AMBLYforce™ C	BioCucumeris	Amblyline		
ORIUSforce™	BioOrius	Oriline		
AMBLYforce™ S	BioSwirskii Combo, + Artemia	STARSKII		
DALOTIAforce™	BioAtheta	Staphyline		
STRATIOforce™	BioStratiolaelaps	Hypoline		
ENCARSIAforce™	BioEncarsia	Encarline		
ENCAR/ERETforce™	BioEncarsia/BioEretmocerus	Encarline Mix		
ERETforce™	BioEretmocerus	Eretline		
Bombus impatiens				
Ephestia Kuehniella/ NUTRIforce™	BioEphestia	Bugfood E		
	BioArtFeed			
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.

DRAMM

Do not tank mix in stock solution.

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 mill / tray

OMRI listed.

BIOBEE

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.

.....

Depot 200

Item: BB-0056 **Qty:** 320K / 200 capsules / bag

Depot P

Item: BB-0158 Qty: 25 mil / 12.5 K capsules / tray

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.

Item: 74-2686 100-120V AC #AAB120V **Item:** 74-2687 **12V/DC** #AAB12V









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

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: 70-6033

NemaShield

BIOWORKS







Qty: 100 million nematodes / cup Item: 70-6030 Qty: 250 million nematodes / cup

Item: 70-2460

Item: 70-2489



Steinernema carpocapsae

Active 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.

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

BASE Millenium







BIOBEE **BioHB**



Item: SB1021-02 Qty: 250 million / bag





Item: 70-2455 Qty: 5 trays 250 mil / tray

Item: BB-0040 Item: BB-0037

Item: BB-0034

Qty: 50 million nematodes / bag Qty: 250 million nematodes / baq Qty: 500 million nematodes / bag

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: 30C10x250M **Qty:** 10 x 250M

BIOLINE









2026

BIOBEE

BioSC







BIOWORKS NemaShield HB







Item: BB-0039 Qty: 50 million nematodes / bag Item: BB-0036 Qtv: 250 million nematodes / bag Item: BB-0033 Qty: 500 million nematodes / bag

Item: 70-6035 Item: 70-6036

Qty: 50 million nematodes / tray Qty: 500 million nematodes / tray *2-3 wk lead Itime UPS next day air + freight

BIOLINE







Exhibitline SC

Item: SB1012-02 Qty: 1 tray 50 mil / bag Item: SB1012-01 Qty: 1 tray 250 mil / bag

Steinernema kraussei

Active 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.

Nemasys L







Heterorhabditis bacteriophora

Active 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







Item: 70-2475 Qty: 5 trays 250 mil / tray

10-14 day lead time for delivery.

BIOLINE









Item: SB1014-02 Qty: 50 mil / bags **Item:** SB1014-03 Qty: 250 mil / bags

BCA Applicator Tools and Equipment

BCA Release Boxes



Item: SB8042-01 **Qty:** 50 / bag

BCA Release Boxes



Item: 30URB Qty: 50 / bag

BCA Release Boxes



2026

Nutri-App Powder Duster Attachment

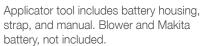


Applicator tool to dispense Nutrimite. To be attached to a Makita blower (DUB1822) not included. For use with BCAs, do not exceed speed #2.





BugFlow Unit



Item: BB-BF Qty: 1

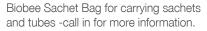
Cylinder Adapter S2 for BugFlow Unit

Item: BB-BF12 Qty: 1
Funnel for BugFlow Unit
Item: BB-BF2 Qty: 1



BIOBEE

Sachet Bag



Item: BB-SB Qty: 1

CROP PROTECTION-SPECIALTY -

Alesco®





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. (6 / case)

Brandt Pesticide Equipment Cleaner



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.

LeafShine & Seal



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 L **Item:** 75-5015 **Size:** 200 L



SeClear





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.

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.

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:
 80380003
 Size:
 1 qt.

 Item:
 80380004
 Size:
 1 gal.

 Item:
 80380005*
 Size:
 5 gal.

 Item:
 80380006*
 Size:
 55 gal.

*These items are non-stock.

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.

AQUATIC ALGAECIDE & HERBICIDE

Captain XTR





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 bluegreen algae. It is 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.

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. Floralife 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.

 Item: 53-1111
 Size: 5 gal.

 Item: 53-1112
 Size: 30 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. **Size:** 55 gal.

GreenClean Alkaline Cleaner



Removes organic and greasy deposits with non-corrosive selffoaming 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. **Item:** 74-2047 **Size:** 55 gal.

AgH PRO





AgH PRO is an ECO friendly, indoor/outdoor cleaner for easy removal of oils, sap, algae stains and common soils found in agricultural and industrial areas. Used to clean all growing, packing, and storages areas, as well as to clean tools and transportation equipment. The unique easy to rinse, dual foaming formulation produces a low foaming solution when using a sprayer and high foaming solution when using a foaming device. **Rates:** 2-8 fl oz per gal.

Item: 74-2100 **Size:** 2.5 gal.

GGSPRO TIP END-OF-SEASON SANITATION

End-of-season (or pre-season) sanitation is a critical step in minimizing pest carryover into the next growing cycle. An effective sanitation process involves three key stages:

- 1. Remove Physical Debris Start by clearing out all organic and inorganic material such as pots, soil, weeds, and algae.
- 2. Apply a Cleaner Use an appropriate cleaning agent (e.g., Strip-It PRO, Green Clean Acid Cleaner), ensuring sufficient contact time before thoroughly rinsing before drying to prevent residue on hard surfaces.
- 3. Use a Sanitizer Finish by applying a sanitizer like ZeroTol 2.0, KleenGrow, or SaniDate 5.0 to ensure complete disinfection of irrigation lines and hard surfaces. GGSPro provides detailed sanitation guides tailored to Ornamental, Edible, and Medicinal production facilities.

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





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 NY.**

Item: 74-20521 **Size:** 50 lb.

KleenGrow





Active ingredient: Didecyldimethylammonium 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. 341 in the Fungicide Section for more information. Product can safely be used to disinfect greenhouse structures, floors, benches, cooling 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.



Be Secure with Segovis

Protect your greenhouse and nursery crops from downy mildew and *Phytophthora* diseases with Segovis® fungicide.

- · Long-lasting control as a spray or drench
- · Novel mode of action
- Excellent rotation partner with Micora® and Subdue Maxx® fungicides
- Four-hour REI and low use rates

Learn more at GreenCastOnline.com/Segovis

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syngenta







KleenGrow is an EPA-registered, multi-use disinfectant, fungicide, and bactericide that provides broad-spectrum control of waterborne pathogens, algae buildup in irrigation systems, and plant and hard surface diseases. It offers long-lasting protection - up to 14 days on crops and 30 days on hard surfaces - making it a powerful option for disease prevention in greenhouse environments. Safe and economical, KleenGrow helps reduce cross-contamination between tools, plants, and production surfaces. It can be used as a dip for seeds and bulbs, applied directly to foliage, crowns, and roots, and tank-mixed with compatible pesticides for complete coverage throughout the crop cycle.

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





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 offgas. Effective at any pH level. **OMRI listed.** Larger sizes available.

 Item: 71-3530
 Size: 5 gal.

 Item: 71-35351
 Size: 30 gal.

ZeroTol 2.0

Listed under Fungicides page 348



BioFoamer

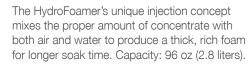


Foaming agent that can be used in a wide variety of foaming equipment. Creates a thick foam that can be regulated by changing the rates. For most equipment add 1-4 fl oz of BioFoamer for every gal of solution to be foamed.

Item: 74-1360 **Size:** 5 gal.

HydroFoamer #481

For use with Pace 49 products.



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.

Item: 74-2688





WATER & MEDIA SURFACTANTS

Aqua-Gro L with PsiMatric Technology



AquaGro L with PsiMatric 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 (1/4 fl oz per 100 gal. of water) in every irrigation or Inject 100 ppm (11/4 fl oz per 100 gal. of water) weekly or Inject 600 ppm (7/3 fl oz per 100 gal. of water) every 4 weeks.

Item: 74-1348 **Size:** 2.5 gal. **Item:** 3104955M **Size:** 55 gal.

Reténu G Advanced





Reténu G Advanced is a novel surfactant technology impregnated on an OMRI Listed[®] 100% biodegradable carrier. Reténu G Advanced can be conveniently incorporated into growing media during the mixing process to aid with moisture uniformity and drainage.

FEATURES & BENEFITS

May be used on a wide range of growing media substrates, designed to overcome substrate water repellent properties, quick and uniform substrate wetting.

USE RATES

Incorporate into growing media 1-3 lb per cubic yard.

Item: 74-1260 **Size:** 50 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:** 1/4-1/2 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:** 1/4-1/3 tsp per gal or 4-6 fl oz per 100 gal. **OMRI listed.**

Item: 74-2960 **Size:** 1 gal.



Spray surfactants and wetting agents are both valuable tools that can enhance the effectiveness of products, but they serve different purposes. Spray surfactants improve coverage and potentially absorption by reducing droplet size, which increases the surface area of the applied solution to plant surfaces. This results in a more uniform application, especially helpful for targeting pests that hide in hard-to-reach areas, like spider mites and thrips. Wetting agents, on the other hand, are added to growing media to improve water distribution. They help reduce uneven drydowns, minimize nutrient leaching, and increase the media's water-holding capacity.

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: 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

- 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: Didecyldimethylammonium 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

BRANDT Indicate 5

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



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 ½-2 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, and 32 oz.

Item: 40-4180



BioSafe Equipment

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

■ • BASF We create chemistry

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:SB8051-01Description:Yellow 10 packItem:SB8051-03Description:Yellow 20 packItem:SB8052-11Description:Blue 10 PackItem:SB8052-03Description:Blue 20 packItem:SB8052-02Description:Blue 36 packItem:SB8061-01Description:Blue 10 packwith 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" x 5"



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 Item: 30BSY10X125 Item: 30BSRY30X100 Item: 30BSRY15X125

Description: 25cm x 10cm, 20 pack
Description: 12.5cm x 10cm card, 100 pack
Description: 30cm x 100m yellow roll
Description: 15cm x 125m yellow roll, 2 pack

EMPLOYEE PROTECTION SIGNAGE

2026



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

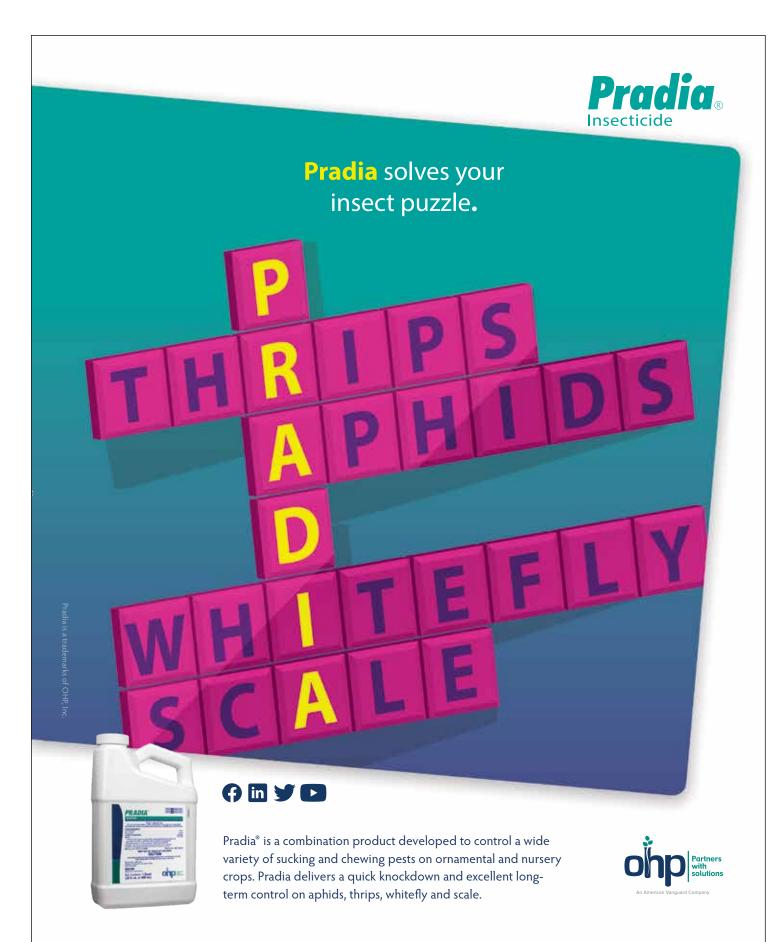
Central Posting Kit

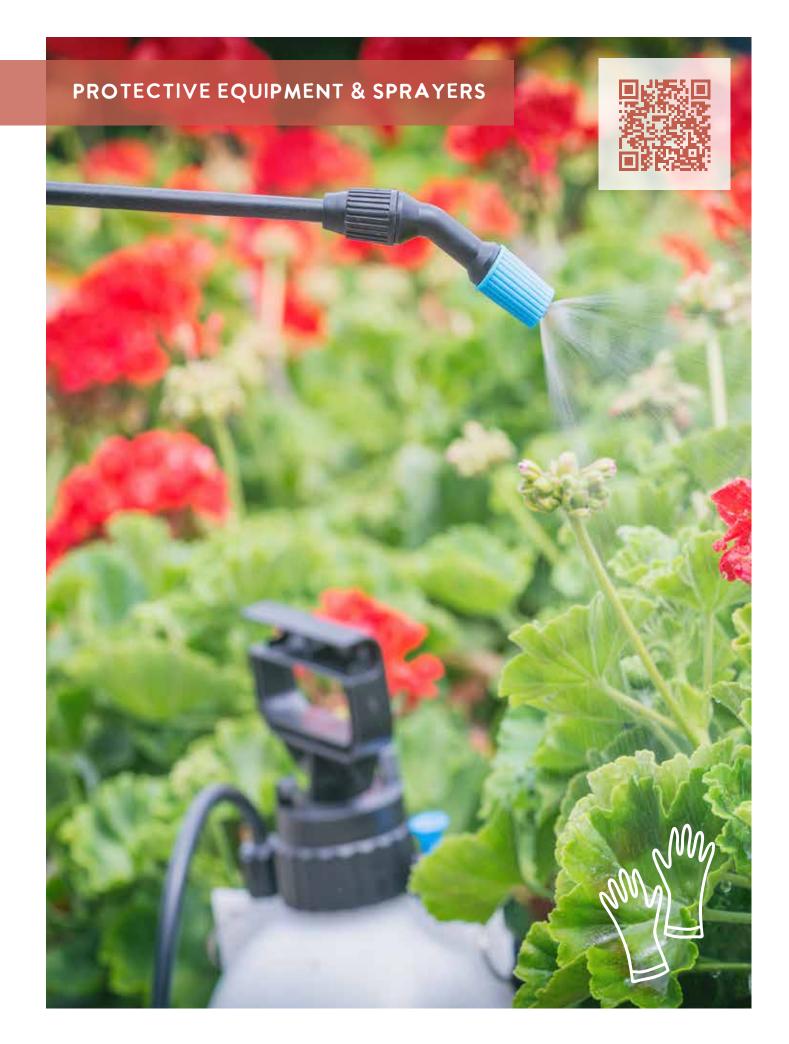
Handy for fulfilling WPS central posting requirements. Kit contains one of each of the following:

- 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







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



· Provides protection against most paints and pesticides

Item: 80-1150



- 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
- Wide viewing area for distortion-free visibility and optical clarity

Item: 80-1125





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
*TI	

^{*}These products are drop ship only.

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



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)

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)



2026



Kleenguard Protection

Only Kleenguard offers protection plus cloth-like comfort.



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 browquard.
- 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 fluroelastomer 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



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
- Chemical Output Rate: Up to 3.8 gpm
- Maximum Pressure: Up to 500 psi
- Pump HP: 1.5 hp electric
- Hose Length: 150', 200', 250'
- Dimensions: 26" wideShipping Weight: 315 lb.

CRF (corrosive resistant fittings) package available

Drop Ship Only. Contact Griffin for Hydra sprayer options and packages.

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

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
- Maximum Pressure: Up to 500 psi
- Compressor HP: 1/4 hp electric
- Drive system: Direct drive
- Cord Length: 8 ft.
- 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

$MLVH\ Mini\ AutoFog^{^{TM}}(A)$

- 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

$AutoFog^{TM}$ SLVH & LVH Models (B)

- Automatic chemical application
- Low volume spraying
- Separates for portable use

Specs

Standard Coverage Area: Up to 12,000 sqft Up to 30,000 sqft	
00101490711041	
Coverage with HAF Fans: Up to 28,000 sqft Up to 70,000 sqft	
Power: 120 Volt,60 hz 240 Volt, 60hz single phase single phase	
Chemical 7 liters 14 liters	
Chemical Output 45cc/min 55cc/min	
System Rated Load: 11.1 amp 8 amp	
Compressor Horsepower: 3/4 hp 1 hp	
Compressor Output 2.43 CFM@ 21 PSI 4.06 CFM@ 28.5 P	SI
Hose& Cord Length: 33 ft 100 ft	
Dimensions: 18.25" wide 18.25" wide	
Shipping Weight: 156 lbs. 187 lbs.	

Item	Description
62-6003251	SLVH Auto Fog
62-6003201	LVH-20A Autofog

Optional Stainless Steel Nozzle for use with Oxidizers.

Drop Ship Only



CF20 $ColdFogger^{TM}$ (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 litersHose 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









CD-120 $ChemDose^{TM}$ (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: 201/2" wide • Shipping Weight: 102 lb.

Drop Ship Only Item: 41-1195

ChemdoseTM 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.

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.



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.





395





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 fatique
- 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





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
41-2023	with hose reel
41-38100	100'-3/8" Replacement
41-30100	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/100¹ Spray Hose, Honda Gas Engine

Drop Ship Only





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. Itsergonomic 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	00/000
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	



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.

CHAPIN

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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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

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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.

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Will be made to customers who have not established a credit account or on accounts with a balance over 60 days or greater.

Payments

We accept Cash, Check, ACH, ACH Debits and all major Credit Cards (American Express, Visa, MasterCard, and Discover). There are no discounts when paying by ACH Debit or by Credit Card. Credit card payments will be charged 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 1 $\frac{1}{2}$ % 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 or ACH Debits will be assessed a \$25.00 return fee. Delayed Payment Plan (dating) will only be extended to accounts with a satisfactory payment record.

Direct Shipment: Prepayments and Deposits

All special-order 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. Customers who have not established a line of credit will be required to prepay the order before the order is sent to the vendor. Prepayment includes the merchandise total, sales tax, estimated freight and any miscellaneous charges. 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. Credits for returns paid via credit card will not receive a refund for the credit card fee. 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 the location of delivery. All items will be charged sales tax unless we have a copy of your sales tax license and a properly executed sales tax exemption certificate for the account and any associated ship to locations. 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 exemption certificate. 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.

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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.

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