

ATTENTION:

The file of our catalog you are about to view is for product reference only not current pricing.

The prices contained on the following catalog pages reflect the current pricing at the time of printing. (12/09)

When placing an order, please make sure to check with the Griffin representative as to the current prices.

Thank you,



Specialty Chemicals

D-Tox

Active Ingredient: Activated carbon

A flowable activated charcoal used to decontaminate mis-application or spills of organic herbicides, fungicides, insecticides, gasoline, motor oil or hydraulic fluid. For pesticide decontamination in greenhouses: Apply 1-4 gallons of D-Tox per 300 sq.ft. Make a 50/50 mix with water to apply as a srench to saturate the top layer of soil. Pesticide residues can be neutralized in spray equipment by using a 1% solution of D-Tox after the tank and spray lines have been treated with Cleary's Tank Cleaner. (Two 2.5 gal. containers cs.)

ITEM #	DESCRIPTION	1	2-3	4-UP
311939025	D-Tox 1 case (2 x 2.5 gal.)	\$140.00	\$126.00	\$119.00

Spray Adjuvants

The quantity of product to be used depends on water hardness, type of foliage and spray material to be used. For best results always mix product with a small amount of water and then add to the diluted pesticide mix in the sprayer tank.

CapSil

Active Ingredient: Polyether Modified Polysiloxane

CapSil is a unique organosilicone 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 strobiluron fungicides, or 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.

ITEM #	DESCRIPTION	1-3	4-7	8-UP
74-1541	1 gal. CapSil	\$97.89	\$88.10	\$83.21

NU-Film P Spreader 96%

Active Ingredient: Poly-1-p-Menthene

Nu-Film P. a spreader sticking agent designed for use with most pesticides. It forms a sticky, elastic film holding pesticides on crop foliage. **Rate:** 4-6 oz. per 100 gal.; 1/3 -1/2 tsp per gal.

ITEM #	DESCRIPTION	1-3	4-7	8-UP
74-2960	1 gal. NuFilm P	\$46.05	\$41.44	\$39.14

Rooting Hormones

Dip 'n Grow

Active Ingredient: Indole-3-butyric acid and 1-Naphthaleneacetic acid.

Liquid rooting agent. A liquid concentrate that is diluted with water to any desired strength. Dip 'n Grow's liquid form allows it to be absorbed more easily by cuttings and ensures that a precise amount of chemical comes in contact with the stem. Contains indole 3-Butyric acid and naphthaleneacetic acid. Users should test on soft wood cuttings for compatibility. **Rate:** Use a 1/20 ratio with a 5 second dip for most cuttings. The label contains information to aid in choosing the correct dilution.

ITEM #	DESCRIPTION	1-11	12-23	24-UP
73-1410	2 oz. Dip 'N Grow	\$10.88	\$9.80	\$9.25
73-1430	16. oz. Dip 'N Grow	46.22	41.60	39.29
		1-3	4-7	8-UP
73-1440	1 gal. Dip 'N Grow	240.70	216.63	204.59

Hormodin Powder

0 REI

Hormone powder for rooting cuttings available in three strengths. Active ingredient is Indole -3 - Butyric Acid. **Not registered for sale in NY as of Nov. 2009.**

- #1 (.1% IBA) for greenhouse crops.
- #2 (.3% IBA) for semi-woody ornamentals.
- #3 (.8% IBA) for evergreen trees and shrubs.



ITEM #	DESCRIPTION	1-11	12-23	24-47
73-18601	1 lb. Hormodin #1	\$18.64	\$16.77	\$15.84
73-18611	1 lb. Hormodin #2	21.51	19.36	18.28
73-18621	1/2 lb. Hormodin #3	17.90	16.11	15.21



Whitmire Sensor Monitor Card

New Sensor® Monitoring Cards the cards you have depended on for years have drastically improved. The new Sensor glue will not stick to your hands. The trap is as dependable as ever with added benefits:

Biodegradable- there is no plastic to dispose of

1" grid is printed on each card to help you determine the magnitude of your infestation.

Repacked- The Sensor cards are now packaged in re-sealable bags for easier opening and storage.

ITEM #	DESCRIPTION	QTY	1-14	15-UP
74-36702	Yellow Monitoring 3" x 5" Cards	48	\$18.55	\$16.69
			1-UP	
74-3650	Monitoring Card Wire Stakes	100	35.81	

Olympic Scout Sticky Trap

Blue monitoring cards are particularly useful for attracting thrips. Includes pointed end for placement in potted plants with no mess, glue does not come off on hands. 15 traps /sleeve

ITEM #	DESCRIPTION	1-19	20-UP
31M345B	Scout Sticky Trap Blue	\$6.09	\$5.48

Anti-Transpirants

Cloud Cover

Active Ingredient: Ethylene glycol

Anti-transpirant. Use as a winter protectant, reduces transplant shock; prevents needle drop on Christmas trees. Available in retail cases also. **Rate:** 1 part Cloud Cover to 10 parts water.

ITEM #	DESCRIPTION	1-3	4-UP
75-1255	1 gal. Cloud Cover Conc.	\$41.34	\$39.27

RETAIL SIZES

ITEM #	DESCRIPTION	PRICE
75-1154	12/ 1 qt. Cloudcover RTU	99.36
75-1254	12/ 1 qt. Cloudcover Conc.	123.17

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. **Rate:** Winter Protection-1 part Leafshield to 15 parts water; Transplant/transport protection-1 part Leafshield to 30 parts water.

ITEM #	DESCRIPTION	1-3	4-7	8-UP
3128804	1 gal. Leafshield Conc.	\$56.83	\$51.15	\$48.31
		1		
75-4030	5 gal. Leafshield Conc.	\$223.79		

Disinfectants

Greenshield

Active Ingredient: Quaternary ammonium salts

Disinfectant and algacide for use in greenhouses, nurseries, and work areas. Controls algae on walkways, benches, sidewalls, etc. Disinfects between crops by controlling fungus, bacteria and algae. Can be used to disinfect used flats, pots, etc. Not for use over the crop. Safer than bleach, and similar in cost when diluted. **Rate:** ½ oz. per gal. for most uses.

ITEM #	DESCRIPTION	1-3	4-7	8-UP
74-3660	1 gal. Greenshield Conc. 20%	\$37.43	\$32.77	\$31.82
		1-3	4-UP	
74-3661	30 gal. Greenshield Conc. 20%	810.28	720.25	

GreenClean PRO

1 REI

Active Ingredient: Sodium Carbonate Peroxyhydrate

GreenClean PRO is a granular algacide/fungicide that can be used to kill algae on hard surfaces such as greenhouse floors or in water sources such as ponds and irrigation storage tanks. On greenhouse floors or other comparable hard surfaces it is typically applied by spreading granules on the surface to be treated and activating it with water. It can also be applied by dissolving it in water and spraying or drenching it on. Foaming is also on the label. To treat water supplies it can be used without interrupting its use for irrigation. Detailed directions are included for treating irrigation sources. Whether using it on hard surfaces or to treat irrigation water it is best to use GreenClean PRO before algae buildup becomes heavy. There is a one hour REI when applying GreenClean PRO as a spray or foam in enclosed areas. There is no REI when applied by spreading or broadcasting. **Restricted use pesticide in NY. Not Registered in MA.**

ITEM #	DESCRIPTION	1	2-3	4-UP
74-2052	50 lb. GreenClean PRO	\$143.87	\$129.48	\$122.29

OxiDate

1 REI

Listed under Fungicides page 226

SaniDate 12.0

Active Ingredient: Hydrogen dioxide and Peracetic acid

SaniDate 12 controls algal, fungal and bacterial growth in greenhouse irrigation systems such as flooded floors, flooded benches, recycled water systems, capillary mats, humidification and misting systems and evaporative cooling systems. It can also be used on greenhouse surfaces and equipment such as: as glazing, plastic, pots, flats, trays, cutting tools, benches, work areas, walkways, floors, walls, fan blades, ventilation ducts, watering systems, coolers, storage rooms, structures and equipment.

ITEM #	DESCRIPTION	1	2	3-UP
71-3535	30 gal. SaniDate 30.5 %	\$1,685.67	\$1,517.10	\$1,432.82

Spotrete F

24 REI

Active Ingredient: Thiram

Animal repellent proven effective for Deer, Rabbit, Squirrel, Rodents (Mice-Voles-Rats), Geese, and Woodpeckers. Labeled for use on ever-green and deciduous trees and shrubs. Best results in trials have been achieved with latex based stickers. Do not use other types of wetting agents or surfactants as plant damage may occur. When applied with the latex 2-3 months residual are typical. The product will leave a white residue on the crop which is by design as it adds to the repellency. It may be sprayed or brushed on. Growing season applications are made at a ratio of 1 part Spotrete to 7 parts water. Use a 1 to 3 ratio for dormant plants. Make a foliar spray to all the foliage the deer would eat, up to 6 feet.

ITEM #	DESCRIPTION	1	2-3	7-UP
318075025	2.5 gal. Spotrete F	\$144.90	\$130.41	\$123.17

Terracyte

4 REI

Listed under Fungicides page 227

Xeroton3

0 REI

Listed under Fungicides page 228

ZeroTol

0 REI

Listed under Fungicides page 228

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.



Benefits and Results

- Softening and release of existing attached deposits in the drip lines, tubes, emitters, sprinklers and mist nozzles.
- Cleaner filters
- No new deposits will form in the system
- Reduction or elimination of algae clogging
- Reduces or eliminates odors.
- Vegetable based liquid concentrate.
- Non-active
 - It does not contain micro-organisms.
- Stability - Long shelf life.
- Non-toxic and non-hazardous
 - Safe for humans, animals and plants.
- No special handling requirements
 - No fumes or irritating vapors are released.
- Not regulated by EPA, no WPS requirements.

- **Safe**
- **Natural**
- **Biodegradable**
- **Non-Hazardous**

1 Gallon of Eco-Clean treats 50,000 gallons of water at the final dilution

Gallons of Stock Solution	1:100 Injection Ratio	1:500 Injection Ratio	1:1000 Injection Ratio
1	0.25 oz	1.25 oz	2.5 oz
30	7.6 oz	38 oz	76 oz
50	12.8 oz	64 oz	1 gallon
100	25.6 oz	1 gallon	2 gallon

ITEM #	DESCRIPTION	PRICE
74-1705	5 gal. EcoClean	\$134.50
74-1730	30 gal. EcoClean	



Prescription Treatment® brand
Ultra-Shield™
 Chlorine Dioxide Water Treatment System

Ultra-Shield is a chlorine dioxide product used for cleaning irrigation systems and maintaining them free from algae, biofilm and many water borne plant pathogens. Shock treatments are used to clean irrigation systems and low dose constant injection is used to maintain them in that state. Ultra-Shield can also be used to disinfect hard surfaces and tools. Evaporative cooling systems can be maintained with constant injection. Oxidation is the mode of action.

Rapid release tablets allow for generation at up to 3,000ppm making it possible to use Ultra-Shield through traditional greenhouse fertilizer injectors. It is not corrosive to most greenhouse and nursery equipment. A dedicated tank is required but it can be mixed with fertilizer at the final dilution.

Rates:

- Constant injection should be maintained at 0.01-0.5ppm hose end output.
- Shock treatments require 20ppm for 12 hours or more. Repeat applications may be required depending on how much biofilm is present.
- Hard surfaces and tools are treated at 200ppm.
- Maintaining evaporative cooling systems requires 0.25-1.0ppm output in the tank.

For help in getting started with Ultra-Shield Whitemire Micro-Gen has created an on-line calculator available at www.wmmg.com/Ultra-Shield

ITEM #	DESCRIPTION	1	2-3	4-UP
74-8770	3 lb.Ultra-Shield	\$197.06	\$177.36	\$167.50

PACE Greenhouse Sanitation Products

The PACE ACBD System® was developed in collaboration with growers, extension specialists and educational institutions in Canada, the United States and Mexico.

ACBD stands for “Always Clean Before Disinfecting”. You cannot disinfect a surface before it has been cleaned.

The implementation of the PACE ACBD System® has proven to be a fast economical way to ensure:

- Less disease pressure and a head start on IPM programs.
- Better looking crops
- Safer working environments
- Higher yields
- Improved profit margins



KleenGrow (didecyl dimethylammonium chloride)

48 REI

KleenGrow is a mild quaternary ammonium chloride greenhouse wash. KleenGrow is an essential component of any greenhouse sanitation program and should be applied after cleaning with HORTI-KLOR or STRIP-IT to ensure best results. KleenGrow is safe to use on all greenhouse surfaces, pots, plug trays, coolers, and packing equipment. **Rate: Refer to label for dilution rates for greenhouse applications. KleenGrow received an expanded label in 2008 that includes many over the plant fungicide treatments. (48 hr. REI) The REI does not apply to hard surface treatments. Please see pg. 226 in the Fungicide Section for more information.**



ITEM #	DESCRIPTION	PRICE
74-21101	1 gal. KleenGrow	\$51.97
74-21151	5 gal. KleenGrow	226.87
74-21301	30 gal. KleenGrow	1,304.33

Strip-It

STRIP-IT is a powerful combination of cleaning and wetting agents that effectively remove whitewash coatings, algae, dirt, calcium and other hard water deposits. STRIP-IT's intensified scrubbing action will dislodge compacted soils for easy removal with a high pressure hose. Do not allow STRIP-IT to dry or surface etching may result. STRIP-IT can be safely used on aluminium, copper, galvanized steel, glass, plastics, fiberglass and concrete and will not harm the greenhouse structure or horticultural equipment. **Rate: 4 to 13 oz STRIP-IT per gal. water.**



ITEM #	DESCRIPTION	PRICE
74-2125	5 gal. Strip-It	\$201.11
74-21230	30 gal. Strip-It	1,119.20

Horti-Klor

HORTI-KLOR is an active chlorinated detergent designed to help meet the highest greenhouse sanitation standards. A composite of detergents and emulsifiers, HORTI-KLOR dislodges stubborn material such as algae, whitewash, oily residues and dirt residues which contribute to bacterial growth. The emulsion will not “break” during rinsing, thus preventing oily residues that contribute to bacterial growth and off odors. **Rate: Rates vary according to application. Please refer to product label.**



ITEM #	DESCRIPTION	PRICE
74-2105	5 gal. Horti-Klor	\$197.58

Also Available

Test Strips

QAC test strips for measuring Kleengrow concentrations.

ITEM #	DESCRIPTION	PRICE
74-2101	100 strips per box	\$18.61

Foam Nozzle

Quick-connects to pressure washer wand. Easy twist regulator controls the flow of detergent. Great for treating vertical surfaces. For use with Strip-it and Horti-klor only.

ITEM #	DESCRIPTION	PRICE
74-2100	Plastic Foamer Unit	\$139.15
74-2102	Stainless Steel Foamer Unit	296.97