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FUNGICIDES

AGRI-FOS SYSTEMIC [consumer package]

Agri-Fos is a unique fungicide with curative and protective activity against many pathogens of agricultural, nursery, greenhouse, landscape ornamentals, turf and lawns. It is quickly absorbed by plant foliage and roots and is distributed systemically throughout the plant. Once inside it turns on the natural defense mechanisms of the plant to resist invasion by disease causing pathogens. If diseases are already present it helps the plant to kill the pathogen invaders by curative activity while protecting new growth. **APPLICATION INFORMATION:** Two application methods are currently available, injection under the bark directly into the sapwood and topical application of the product, mixed with Pentra-Bark surfactant, onto the trunk of the tree. Applications should be made when the tree is actively transpiring. Full sized, adult oak trees may require between 500 ml and 1 liter of spray mix per tree. Treatment is generally effective if it is applied uniformly from 9 to 12 ft. high (or as high as you can without spraying the foliage) down to the ground level.



Order #: **10-LG3340** –1 pt. bottle

ALIETTE WDG (CHIPCO) [special order item]

Improved synergistic Aliette formulation with upgraded sticker agent that provides dependable control of pythium. The true Aliette fungicide that outperforms all other brands and generic formulations. **RATES:** Turf-Apply 4-8 ounces per 1000 sq. ft; Foliar applications-Mix 2.5 to 5.0 lbs. of product with 100 gallons of water and spray to wet;



Drench applications-Mix 6.4 to 12.8 oz. of product with 100 gallons of water and apply to 400 sq. ft.; Soil incorporation-Mix 8 to 12.8 oz. of product per cubic yard of soil mix immediately before potting. REI: 12 hours. Systemic fungicide.

Order #: **10-1207** –5 lb. bag

BANNER MAXX

[will become Propiconazole EPro 1 gallon]
Triazole derivative fungicide. USE: A broad spectrum and systemic disease control for turf and ornamentals. Helps control dollar spot, brown patch, anthracnose, red thread, rust, powdery mildew, stripe smut, summer patch and dichondra rust. A clear yellow-amber liquid, labeled with the EPA signal word **WARNING**. Not to be applied at a rate greater than 16 fluid ounces per 1000 square feet per calendar year. **RATES** 1-4 ounces per 1000 sq. ft. depending on targeted disease. Banner MAXX may be used at rates of 2-24 fl. oz./100 gal. water for control of diseases of ornamental plant species. See label for recommendations by crop and by disease. For general disease control in landscapes, apply 6-8 fl. oz./100 gal. water every 21 days. REI: 24 hours
Order #: **10-10563** –1 gal. bottle



BANROT 40 WP

CONTROL: Pythium, phytophthora, rhizoctonia, fusarium, schicloviopsis and schlerotinia. **CROPS:** Nursery and ornamental crops. **RATES:** 4-12 oz. per 100 gallons; 1/2 to 1 1/2 tsp. per gallon. **REMARKS:** Use only as a drench, do not mix with other chemicals. Banrot both prevents and controls diseases. After application irrigate immediately. REI: 12 hours. Broad preventative & curative on diseases.



Order #: **10-1210** –2 lb. bag

BANROT 8G [special order item]

8 oz. per cu. yd. incorporated; 8-12 lbs. per 100 sq. ft. broadcast; 6 oz. per 100 ft. sidedressed in open furrow. 8% granular-preventative & curative on diseases.

Order #: **10-1211** –40 lb. drum

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice



BAYLETON 25% WP

For control of certain diseases on flowers, foliage plants, shrubs, turf and shade trees. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds. Apply 2 to 4 ounces in 100 gallons of water and spray to point of drip. Contains 4 pouches of 11oz.

Order #: **10-1214** –2 3/4 lb. bag



BICARB OLD FASHIONED

FUNGICIDE [consumer package]  

Bi-Carb is a fungicide containing microencapsulated potassium bicarbonate as the active ingredient (baking soda). A contact fungicide, it disrupts the potassium ion balance in the fungus cell, causing the cell walls to collapse. Use on roses, vegetables, grapes, fruit trees and ornamentals. OMRI listed for use in organic production. Mix 4 teaspoons in 2 gallons of water to thoroughly cover foliage. For lawn application, mix 4 teaspoons in 2 gallons of water to cover 1,000 square feet. Potassium chloride.

Order #: **10-LG3270** –4 oz. container



CAMELOT FUNGICIDE/ BACTERICIDE

[product discontinued when sold]

A liquid fungicide/bactericide for treatment of certain foliar diseases of ornamental plants in nurseries, landscapes and greenhouses. Fungal diseases controlled include anthracnose, botrytis, cercospora, cedar apple rust, diplodia, dothistroma, phytophthora die-back, powdery mildew, volutella blight and others. Bacterial diseases controlled include bacterial blight and leaf spot, fire blight, and Xanthomonas leaf spot. Labeled crops include azalea, begonia, chrysanthemum, ivy, juniper, pine, philodendron, rose and more. Rates are 3 to 5 tsp. per gallon (3 tsp. per gal.=3 pts. per 100 gals.). REI: 12 hours. 58% liquid copper.

Order #: **10-2370** –1 gal. bottle



CAPTAN 50W

(Carboximide) A microfine wettable powder for use as an aqueous spray for control of certain fungus diseases of specified fruits and vegetables, and ornamental crops. It is also used for control of certain seed rots and damping-off diseases. Use 1 to 4 lbs. per 100 gallons. REI: 48 hours.

Order #: **10-1224** –5 lb. bag



CHIPCO 26019

Chipco 26019 Fungicide is a broad spectrum fungicide that may be applied safely to a wide range of ornamental flowering and foliage plants, either as a foliar spray, drench, or dip. Chipco 26019 contains 50% active ingredient per pound. APPLICATION

RATES: Foliar spray-Apply 1 to 2.5 lbs. per 100 gallons of water to the point of runoff. Repeat applications may be made every 7 to 14 days; Drench-Apply at seeding and/or after transplanting for Rhizoctonia control at 6.5 oz. per 100 gallons of water. Apply 1 to 2 pints of solution per square foot. Fungicide for Botrytis, Fusarium, Rhizoctonia

Order #: **10-1227** –2 lb. bag



(CLEARYS 3336) T-METHYL E- PRO 50 WSB

(thiophanate-methyl) A suspension material for control of anthracnose, black spot, leaf spot and blights, powdery mildew, fusarium and other diseases. Labeled for use on shade trees, ornamentals, flowers and turf. Application: 12-16 oz. per 100 gal. on ornamentals and 2-6 oz. per 1,000 sq. ft. on turf. 50 WSB 4x8 oz.

Order #: **10-1228** –2 lb. bag



CONTRAST 70 WSP

A systemic fungicide for foliar, soil-borne, cutting and bulb diseases in greenhouses, shadehouses, outdoor container and field-grown ornamental nursery stock. Use on herbaceous bedding, flowering & tropical foliage plants, woody ornamentals, and evergreen, flowering & non-bearing fruit trees. Preventative and curative activity on Rhizoctonia, Sclerotium and various rust diseases. Can be tank mixed with other products, such as Truban. Spray at 3 to 12 ounces per 100 gallons and repeat every 14 to 21 days as needed. REI: 12 hours. 8x1 oz. systemic fungicide.

Order #: **10-1215** –8 oz. container



FORE WSP RAINSHIELD (MANCOZEB)

Wide spectrum proven fungicide for algae, pythium, fusarium, rust, red thread, dollar spot, botrytis, black spot, leaf and petal blight. Labeled for turf, ornamentals and bedding plants. New water soluble packages.

Apply at the same rate as wettable powder, 4-8 oz. per 1000 sq. ft. on turf and 1 1/2 lbs. per 100 gallons on ornamentals. REI: 24 hours.

Order #: **10-1243** –6 lb. bag



FUNGAFLOR TOTAL RELEASE AEROSOL



ACTIVE INGREDIENT: Imazalil; For best results, apply during early evening when foliage is dry and temperature is between 60-80 degrees F. To activate cans, start with can farthest away from exit door. Activate each can by pressing tab down and locking it. Leave greenhouse at once. The entire contents will release automatically. Initially 2-4 applications should be made at 7 day intervals.

Dosage Rate

Disease	Number of 2 oz. cans		
	3,000 sq. ft	1,500 sq. ft.	1,000 sq. ft.
Alternaria	2	1	1
Botrytis	2-3	2	1
Downy Mildew	2-3	2	1
Powdery Mildew	2-3	2	1
Rust	2-3	2	1

Only fungicide available in total release aerosol applicator.

Treats 3000 sq. ft.

Order #: **10-092379** –2 oz. can aerosol can

FUNGO FLO (ALLBAN)



This product is a liquid flowable broad spectrum systemic fungicide containing Thiophanate-methyl for superior control of 21 key ornamental diseases such as Powdery Mildew, Leaf Spots, Anthracnose and Botrytis. Prevents and controls diseases on golf course greens, tees, fairways as well as ornamental plants. Systemic spray for Fusarium, Brown Patch, Pythium, Slime Mold and Dollar Spot. Rate: 4-6 oz. per 1000 sq. ft. REI 12 hours. Same product as Domain/Clearys 3336.

Order #: **10-12371** –1 qt. bottle

To Order Call: 405.787.4833 or 1.800.522.3376
 Prices subject to change without notice

Legend— OMR:
 Organic: Restricted:

KALIGREEN 82%  

KALIGREEN® is a micro-encapsulated formulation of potassium bicarbonate designed to control powdery mildew. It is registered for use on over 40 different crops. Normal application rate is 2.5 - 5 lbs/acre. Coverage is critical. Use with a spreader to ensure complete and thorough coverage. Always read label instructions. Potassium bicarbonate.



Order #: **10-LG3160** –5 lb. bag

KOCIDE 3000

Dupont KOCIDE 3000 provides superior disease control in citrus and vegetable crops through its high level of active copper, providing for a more marketable crop at harvest. One level tablespoon of KOCIDE 3000 per 1,000 square feet is equivalent to 0.5 pound per acre, which is the average rate for KOCIDE. Copper fungicide/bactericide.



Order #: **10-1250** –4 lb. bag

MILSTOP FOLIAR FUNGICIDE 

MilStop Foliar Fungicide is a contact fungicide that controls/suppresses Powdery Mildew on vegetable and ornamental crops in greenhouses, suppresses Powdery Mildew on Field Cucurbits (Cucumbers, Melons, Pumpkins, Squash) and controls Powdery Mildew on Grapes (conventional and organic). Apply at a rate of 1.25 to 5.0 pounds per 100 gallons of water or 1 tablespoon of MilStop in 1 gallon of water applied over 500 square feet. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. 85% potassium bicarbonate.



Order #: **10-005** –5 lb. bag

NEMASHIELD BENEFICIAL NEMATODES 

[special order item]

A single application of NemaShield beneficial nematodes is sufficient for preventing fungus gnat outbreaks and for control in the beginning phase of an outbreak.



Fungus Gnat Control	Coverage per Unit Container (50 million nematodes)
Preventative	1000-1200 sq. ft.
Light Infestation	1000-1200 sq. ft.
Moderate Infestation	800-1000 sq. ft.

Rates

Typical rates: One unit (50 million nematodes) of NemaShield per 1,000 sq. ft.; apply within 2-3 days of sticking cuttings or seeding trays. Reapply in 2-4 weeks under moderate to heavy infestations.

Order #: **10-072710** –50M container

ROOTSHIELD WP F/DRENCH 

[special order item]

A wettable powder formulation used for foliar sprays, root & stem drenches. Root drench at 3-5 oz./100 gal. Foliar spray rates are 25-50oz./100 gal. Short life! We dropship direct to customer.



Order #: **10-600103** –1 lb. bag

Order #: **10-05** –3 lb. bag

Legend— OMRI: 
Organic:  Restricted: 

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

PT-2000 GREEN SHIELD

Green-Shield Disinfectant and Algaecide is a simple but cost effective way to control unwanted plant pathogens and algae. It is a first step in a successful disease management program. Labeled for use in greenhouses, nurseries, landscapes and interiorscapes, on work areas, benches, tools, containers, walkways, floors and evaporative cooling pads. Green-shield controls fungal, bacterial and viral plant pathogens and algae. Rates: for surface disinfection and algae control-1 tablespoon per gallon; for algae control in evaporative cooling tanks-1 teaspoon per 15 gallons of water every other week. Liquid disinfectant/algaecide.
 Order #: **10-1115** –1 gal. bottle
 Order #: **10-200030** –30 gal. drum



ROOTSHIELD GRANULES

[special order item]

Use Rootshield Granules to mix in your soil/media for greenhouse, nursery and vegetable crops. The active ingredient is a patented hybrid fungus, *Trichoderma harzianum*, strain T-22 that protects roots from many pathogens. Within 24 hours Rootshield blocks and actively attacks pathogens by “eating” them, ensuring uninterrupted plant growth. Rootshield is a preventative biofungicide and should be applied to “clean” plants. Diseased plants should be chemically treated first, since the aggressively growing active ingredient, strain T-22 only grows on the outside and does not enter the plant tissue. Rootshield is compatible with fertilizers, algaecides, insecticides, disinfectants, miticides, herbicides, growth regulators, and nearly all fungicides. Grows between pH 4-8; at soil temperatures between 48-97 degrees F. Costs less than 2 cents per 6-inch pot for a root protection program. RATES: Blend-For small volumes blend 3 tablespoons per cubic foot of potting soil. Large volume blend rates are 1.25-1.5 lbs. per cu. yd. of mix; Top Dressing-For established beds, apply 2-3 lbs./1,000 sq. ft., depending on disease severity, when the soil warms to 48 degrees F. Work Rootshield Granules into the soil and irrigate to activate. 0-hour REI, Short Life! We dropship direct to customer.
 Order #: **10-5** –10 lb. bag
 Order #: **10-40** –40 lb. bag



SUBDUE MAXX FUNGICIDE

A systemic fungicide for control of Pythium and Phytophthora in ornamentals. Available in granular product also. Can be tank mixed with Medallion. Rates: .3-1 oz per 100 gallons. Residual is approximately 60-90 days. Zero hour re-entry. The only fungicide in the ornamental industry with a revolutionary microemulsion formulation designed to maximize Pythium and Phytophthora control. Half the application rate of original Subdue. For use in Greenhouses, Golf Course Management, Lawn Care and Landscape Maintenance. Apply as soil drench or spray.
 Order #: **10-1267** –1 qt. bottle



TERRACLOR 75% WP

(PCNB-pentachloronitrobenzene) (quintozene) Wettable powder fungicide for control of Brown Patch, Leaf Spot and Snow Mold. Use as a soil drench or bulb dip for protection from Rhizoctonia, sclerotinia and other fungal pathogens. Ornamentals and certain vegetable transplants are listed on label. Rate: 3-4 oz. per 1000 sq. ft. REI: 12 hours. Chlorinated hydrocarbon.
 Order #: **10-12721** –5 lb. bag



TRIATHLON 20%

Algaecide, Fungicide, Bactericide. A multi-purpose disinfectant for the control of fungal, bacterial and viral ornamental plant pathogens, slime forming fungi and algae along with the odors these organisms may cause. Pesticide residue of this product are biodegraded by normal soil micro-organisms. Non-systemic and will not mar or discolor leaves or blossoms when applied at the correct dilution rates. Rates vary, consult with label. To disinfect hard inanimate surfaces (such as glass, work surfaces, benches, flats, pots, tools, cooler pads, walkways, and walls) add 1/4 fluid ounce (=1 1/2 teaspoons) Triathlon to one gallon of water. For evaporative coolers apply one ounce of Triathlon for every 30 gallons of cooler water. REI: 48 hours.
 Order #: **10-1116** –1 gal.



To Order Call: 405.787.4833 or 1.800.522.3376
 Prices subject to change without notice

TRUBAN 25% EC

CONTROL: This product is a fungicide for control of damping-off, root and stem rot diseases caused by Pythium and Phytophthora in ornamental and nursery crops. This product is easy to incorporate and eliminates the need for initial drenching. It can be used in greenhouses or outdoors, with bedding plants and on unrooted cuttings in propagation beds. **CROPS:** Ornamental, nursery crops and bedding plants. **RATE:** 4-12 oz/100 gallons (1/2 to 1 1/2 tsp. per gallon) **REI:** 12 hours. Preventative & curative for root diseases.

Order #: **10-1278** –1 qt. bottle



TRUBAN 30% WP

For control of damping-off, root and stem rot diseases caused by Pythium and Phytophthora in ornamental and nursery crops. Fungicidal, not fungistatic. Kills, doesn't just suppress fungi. Long lasting, reducing number of applications needed. No known resistance after 20 years of use. Non-phytotoxic when used according to label directions. Use 3 to 12 oz. per 100 gallons of water on 400 to 800 sq. ft. as a drench. T&O label for preventative & curative action on root diseases.

Order #: **10-1279** –2 lb. bag



TRUBAN 5G

[product discontinued when sold]

For control of damping-off, root and stem rot diseases caused by Pythium, Phytophthora, in ornamental and nursery crops. Easy to incorporate. Eliminates need for initial drenching. Ideal for newly potted or shifted plant materials. Compatible with other granular materials for application purposes. Can be used in greenhouses or outdoors, with bedding plants and on unrooted cuttings in propagation beds. No known resistance after 20 years of use. Use 5 to 10 oz. per cu. yd. of dry soil mix. Preventative & curative for root diseases.

Order #: **10-1280** –40 lb. bag

WETTABLE/DUSTING SULPHUR

[S.O. item]

Micro-fine Sulphur for fertilizer/fungicide applications

Order #: **42-1070** –50 lb. bag –40 per pallet

ZEROTOL

CONTROL: Algae, Downey Mildew, Botrytis, Pythium, Fusarium, Phytophthora, Rhizoctonia, Rust, Wilts and Blights. A broad-spectrum algicide/fungicide with both contact and local systemic activity for use on ornamental, nursery and turf. Provides curative control as well as preventive control by killing dormant spores. Zero hour (0) **REI.** No respirator required and can be chemigated. Rates range from 1/2 oz. to 2 1/2 oz per gallon of clean water for most applications. Hydrogen dioxide/peroxygen.

Order #: **10-1007** –2.5 gal. jug



ZYBAN WSB

A broad spectrum systemic-contact fungicide for ornamental and nursery crops. Provides effective, immediate contact action plus long lasting control. For horticultural crops, spray foliage thoroughly at a rate of 1.5 lbs. per 100 gallons of water. **REI:** 24 hours. T&O label for preventative & curative action on foliage diseases.

Order #: **10-1285** –3 lb. bag (4x12 oz. pkts)



GROWTH REGULATORS

A-REST (ANCYMIDOL)

CONTROL: Plant Growth Regulator. For height control of container grown ornamentals, foliage and bedding plants.

CROPS: Chrysanthemums, Easter lilies, poinsettias, azaleas, foliage and bedding plants, plugs, dahlias and tulips.

REMARKS: Do not use with wetting agent. The use of pine bark in potting mix may reduce effectiveness of A-Rest. Use as soil drench or spray. REI: 12 hours



A-Rest Foliar Applications Table I

Area to be Treated (sq. ft)	Application Volume (quarts)	Dilution Ratio (pints) A-Rest to Water		Treatment Rates (A1) (mg/sq. ft.)	Final Spray (ppm)
100	1	2.0	0.0	2.5	264
100	2	2.0	2.0	2.5	132
100	1	1.0	1.0	1.25	132
100	2	1.0	3.0	1.25	66
100	1	0.5	1.5	0.625	66
100	2	0.5	3.0	0.625	33

A-Rest Soil Drench Applications Table II

No. of 6" Pots to be Treated	Drench Volume (fl. oz.)	Dilution Ratio (pints) A-Rest to Water		Treatment Rates (mg/6" pot)	Final Drench Concentration (ppm)
250	4	0.5	63.5	0.25	2
250	4	0.5	31.5	0.25	4
250	2	1.0	31.5	0.5	8
250	4	1.0	63.0	0.5	4

Order #: **10-1318** -1 qt. bottle

(B-NINE) DAZIDE 85 WSG



Used to reduce stem elongation. **CROPS:** Chrysanthemums, azaleas, hydrangeas, bedding plants, foliage plants, poinsettias, and gardenias. **REMARKS:** Easily dissolved in warm water. Spray to run off. Stock solution should not be held more than 24 hours. **RECOMMENDATIONS:** 1 scoop=1/2 tsp. 2 tsp./gallon=.15% concentration. 4 tsp./gal.=.25% concentration, apply 750 to 7,500 ppm depending upon crop and purpose. REI: 24 hours. Apply as a spray or drench.

Order #: **10-1301** -1 lb. bag

BONZI (PACLOBUTRAZOL)



Reduces internode elongation on container grown flowers and bedding plants. **CROPS:** Bedding plants, geraniums, pot chrysanthemums, hibiscus, poinsettias, bulbs. **RATES:** Spray or drench applications can be used. Rates vary with use per crop. **APPLICATION TECHNIQUES:** Desired height control with Bonzi can be obtained with three different types of applications: sprays, drenches or bulb soaks. In spray applications, Bonzi penetrates into plant stems and is translocated to the terminal where it reduces internode elongation. **REMARKS:** Growers should conduct trial with small numbers of plants using recommended rates to determine optimum rate for their situation. Bonzi is absorbed quickly into root and stem tissue, it is rain fast in thirty minutes. REI: 12 hours. Apply as a liquid spray or drench.

**Recommended Trial Rates (ppm)
by General Plant Type***

Plant Type	Spray	Drench	Bulb Soak
Bedding Plants	30	1	N/A
Bedding Plant Plugs	5	NR	N/A
Flowering/Foliage Plants (Annual or Perennial)			
-Herbaceous Species	30	1	N/A
-Woody Species	50	2	N/A
Woody Landscape Plants	100	4	N/A
Bulb Crops	100	10	20 (@ 15 min.)

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

Legend— OMRI: Organic: Restricted:

NR=Use is not recommended

N/A=Use is not applicable

*The recommended trial rates are based on information developed primarily in the Sunbelt Region. Growers in regions north of the Sunbelt should run initial tests using 1/2 x the recommended trial rates listed in above table.

Order #: **10-1302** –1 qt. bottle

(CYCOCEL PGR) CHLORMEQUAT

A plant growth regulator for use on red poinsettias, azaleas, geraniums and hibiscus. Produces more compact poinsettias with shortened internodes and thicker stems; foliage is a deeper green and bracts are redder. With azaleas, early budded, compact, symmetrical plants are achieved.



On poinsettias, use 1 qt. to 10 gals. of water. One qt. treats 150 to 640 pots depending on size. On azaleas, use 2 to 3 oz. per gal. of water. REI: 12 hours.

Apply as a liquid spray or drench.

Order #: **10-1305** -1 qt. bottle

Order #: **10-1306** –1 gal. bottle

FLOREL

Delays flowering and stimulates lateral branching. Increases branching of stock plants for more cuttings. CROPS: Azaleas, Geraniums, Chrysanthemums, Fuchsia, Impatiens, Lantana, Verbena, Vinca vine. RATES: vary considerably. Consult label.



500 ppm (1.6oz/gal) is most common rate. Allow 6 weeks or more from the last treatment to the desired bloom date to allow for the delay in flower initiation that occurs. Some bulb crops are treated for elongation. REI: 48 hr. Apply as a liquid spray or drench.

Order #: **10-LG4105** –1 qt. bottle

SUMAGIC PGR



A plant growth regulator in ornamentals. Apply to well watered, vigorously growing plants which are not under environmental stress. Can be used on azaleas, bedding plants, chrysanthemums and poinsettias. Rates vary by plants. Does not cause chlorosis/necrosis on leaf tissue. Can be applied as a drench or as a foliar spray. Reduces the transpiration rate of treated plants. Effective on a broader spectrum of plants than most growth regulators. Uniformly apply 2 qts. of spray volume to 100 sq. ft. of bench area. REI: 12 hours

Bedding Plants-Foliar Spray

Plant	Recommended Spray (oz./gal.)	Concentration Rate (ml./gal.)	Range (ppm)
Ageratum	5.12 to 7.68	151 to 227	20 to 30
Celosia	2.56 to 5.12	76 to 151	10 to 20
Coleus	2.56 to 5.12	76 to 151	10 to 20
Dahlia	2.56 to 5.12	76 to 151	10 to 20
Impatiens	1.28 to 2.56	38 to 76	5 to 10
Marigold	2.56 to 5.12	76 to 151	10 to 20
Pansy	0.26 to 1.52	8 to 46	1 to 6
Periwinkle	0.77 to 1.28	23 to 38	3 to 5
Petunia	6.49 to 12.79	189 to 379	25 to 50
Salvia	2.56 to 3.84	76 to 114	10 to 15
Snapdragon	6.40 to 12.79	189 to 379	25 to 50
Viola	0.26 to 1.28	8 to 38	1 to 5

Order #: **10-1323** –1 qt.

HERBICIDES

(BARRICADE) PRO CLIPSE PRODIAMINE

ProClique 65 WDG is a water dispersible granule containing procliamine for pre-emergence control of 30 grassy and broad-leaf weeds in turf and ornamentals. ProClique offers low rate, season-long control with a unique, non-staining active ingredient and greater application flexibility. ProClique controls susceptible weeds by preventing growth and development of newly germinated weeds. Apply at 0.37 to 0.83 oz. per 1,000 sq. ft., which is 1 to 2.25 tablespoons mixed with sufficient water to treat 1,000 sq. ft.



Order #: **10-10310** –10 lb. bag

CORRAL 2.68 G GRANULAR HERBICIDE

Corral your major grass problems by using the most effective pre-emergence grass herbicide. Corral is a consistent, long-lasting performer in all nursery conditions. Apply at 57 to 114 lbs. per acre depending on weeds to be controlled. On ornamentals, apply with a spreader calibrated to deliver 1.7-2.6 lbs./1,000 sq. ft. Granular for weed control in turf & ornamentals.



Order #: **10-1389** –40 lb. bag

OH2 GRANULAR HERBICIDE

[special order item]

This pre-emergent herbicide features a unique combination of active ingredients on a highly efficient carrier, delivering broad-spectrum, 3-month control of many annual grasses and broadleaf weeds in container and field grown woody ornamentals. Apply onto dry foliage when plants are not breaking dormancy or while making a flush of new growth. OH2 effectively controls: Barnyard grass, Poa annua, crabgrass, chickweed, dandelion, fireweed, oxalis, shepherd's purse, spurge and many more. Apply 2.3 lbs. product per 1000 sq. ft. One 50 lb. bag will cover 21,000 sq. ft. Refer to label for individual container rates.



Order #: **10-5050** –50 lb. bag

PRODEUCE PRE- & POST- EMERGENT



ProDeuce is a dual action herbicide that combines the pre-emergent, residual activity of procliamine (Barricade), with the non-selective, post emergent contact control of glyphosate (Round-up).

ProDeuce is intended for landscape and grounds managers as well as lawn care operators to help alleviate multiple chemical and mechanical weeding applications throughout the growing season. Customers using ProDeuce save time and labor, while benefiting from reduced damage to plant material and fewer hard scrapes caused by mechanical trimmers. RATES: Tank sprayer-Add 3 to 6 fl. Oz. to 1 gal. of water and treat 1,000 sq. ft. For longer pre-emergent control and post-emergent control of larger weeds use the higher rate. Do not apply with a galvanized or unlined steel (except stainless steel) sprayer, or through any irrigation system. Spray existing weeds and the entire surrounding weed-prone area you want to keep free of weeds. Spray the area with sufficient volume to assure complete coverage. When spraying around the base of well-established (at least 6 months old) ornamental plants, shrubs, or trees, shield desirable plants from drift with a sheet of cardboard or plastic. 64 oz. combo of glyphosate post-emergent and procliamine pre-emergent.

Order #: **10-10362** –64 oz. bottle

RONSTAR WP [special order item]

(Oxadiazon) A selective, pre-emergent herbicide for control of many annual grasses and broadleaf weeds in turf and on container and field grown ornamentals. Apply prior to weed seed germination as a directed spray to the soil surface. Application: 4-6 lbs. per acre or 1.5-2.2 oz. per 1000 sq. ft. REI: 12 hours.

Order #: **10-1385** –2 lb. bag

RONSTAR G GRANULAR HERBICIDE



[special order item]

Recommended rate of 200 lbs. per acre or 4 1/2 lbs./1000 sq. ft. REI: 12 hours. Pre-emergent herbicide.

Order #: **10-1386** –50 lb. bag

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

**(ROUNDUP) KILLZALL SUPER
CONCENTRATED GLYPHOSATE**

KillZAll is a non selective herbicide used for a wide range of weed and grass killer needs. If you have experience with Round Up herbicide, you'll find this product comparable at lower prices. With the same active ingredient, Glyphosate, this herbicide can be used to kill out larger lawn or site areas in preparation for renovation for lawn development or can be used for selective use in landscaped, mulched or graveled areas to selectively kill out whatever green plants or grass it's applied to. Remember, most herbicides work best on plants actively growing and not dormant due to drought or colder conditions so utilize this product when temperatures are warmer, usually between months of March - October and water your weed targets well at least 3-5 days prior to spraying during intense drought conditions. Due to it's systemic action, KillZAll will take approximately 5-14 days before actual signs of killing are noticeable. Once discoloration or slight wilting is achieved, the target's root system has been killed out. Application rates: general weed control-3 tablespoons per gallon; Tough weed control and brush-5 tablespoons per gallon. .41% glyphosate with surfactant.
Order #: **33692** –1 qt. bottle
Order #: **33693** –1 gal. bottle
Order #: **33704** –2 1/2 gal. bottle



ROUT G GRANULAR HERBICIDE

[special order item]

A safe, effective pre-emergent herbicide for container and field grown ornamentals to give you bigger, greener, healthier, weed-free plants. A granular product with little dust. Rout keeps weeds out for up to three months. A broad spectrum, pre-emergent weed control of both broadleaf and grassy weeds. Works well with Surflan. REI: 24 hours. Rate: 3 1/2 oz. per 100 sq. ft.: 100 lbs. per acre.
Order #: **10-1395** –50 lb. bag



PROSEEDGE HERBICIDE

(Formerly called Manage and Sedgehammer) A selective turf herbicide for post-emergent control of sedges such as Purple and Yellow nutsedge or nutgrass in established cool and warm season turf. Apply 2/3 to 1 1/3 oz. of Manage plus .5% nonionic surfactant (2 qts. Per 100 gal. of spray) per acre of turf after nutsedge has reached the 3 to 8 leaf stage. A second application may be required 6 to 10 weeks later. Make no more than 2 applications with the total use rate not exceeding 2 2/3 oz. (0.125 pound active) per acre per season. REI: 12 hours. "Great on Nutgrass"

Order #: **10-90003** –.9 gram container

(SURFLAN) WEED IMPEDE

A pre-emergent for grassy weed and broadleaf weed control for use in nursery stock, Christmas tree plantings, ornamental trees, woody shrubs, plants and ground covers. Weeds controlled include barnyard grass, crabgrass, foxtail, chickweed, common purslane and lambsquarter. Also suppresses some others like shepherds purse, black nightshade and smartweed. Labeled for tank mix with Roundup. Use 2 to 4 qt. per acre for 2 to 8 months control. REI: 12 hours. Good pre-emergent weed killer.

Order #: **10-13990** –1 qt. bottle

Order #: **10-1399** –1 gal. bottle

Order #: **10-13991** –2.5 gal. jug



INSECTICIDES

AEROSOL

ATTAIN TOTAL RELEASE 3000 SQFT.

For use in greenhouses to kill aphids, armyworms, bagworms, caterpillars, cutworms, fulgorids, gall midges, mealybugs, mirids, omnivorous leafrollers, scale, stink bugs, mites, and whiteflies. A broad spectrum insect control and can be used in combination with PT1300 Orthene for tough to control aphids, thrips and whiteflies. Safe on open blooms and bracts in color. Use one 1 lb. can per 3,000 square feet. In situations where insect control is difficult due to tough to control insects or high crop density, it is permissible to use one 1 lb. can for 1,500-3,000 square feet. REI: 12 hours.

Order #: **10-091820** -2 oz. aerosol can -12 per case



ATTAIN TOTAL RELEASE 9000 SQ. FT.

[product discontinued when sold]

A broad spectrum, synthetic pyrethroid miticide/insecticide for effective control of spider mites, aphids, whiteflies, mealybugs, scale crawlers and many others. May be Space-Mixed with PT1300 Orthene. Low odor. For use in commercial greenhouses. Safe on open blooms and bracts in color. REI: 12 hours.

Order #: **10-091821** -6 oz. aerosol can -12 per case



DURAPLEX TOTAL RELEASE (3000 SF)

Combination of Dursban (chlorpyrifos) and Decathlon (cyfluthrin) in a total release aerosol. The synergy of the organophosphate and synthetic pyrethroid is effective against a wide variety of greenhouse insect pests, thrips, aphids, whiteflies etc.

Order #: **10-141102** -2 oz. aerosol can -12 per case



ORTHENE PT1300 TOTAL RELEASE

4500 SQ. FT.

(Organophosphate) For use in greenhouses on bedding plants, cut flowers, flowering hanging baskets, foliage, potted flowering plants, ornamentals, trees and shrubs. Insects controlled include aphids, thrips, whiteflies, scale, mealybugs, fungus gnats and mites. REI: 24 hours.

Order #: **10-091321** -6 oz. aerosol can -12 per case



PRECLUDE PT 2100 TOTAL RELEASE

(3000 S.F.)

Preclude PT 2100 is known as Preclude TR. For use in greenhouses on bedding plants, cut flowers, flowering hanging baskets, foliage, potted flowering plants and ornamentals to control thrips, whiteflies, scale and aphids. REI: 12 hrs. 3000 SF insect growth regulator.

Order #: **10-14210** -2 oz. aerosol can -12 per case



PYRETHRUM TOTAL RELEASE

Total release insecticide aerosol generator. Labeled for use on 33 different vegetable crops and 94 different ornamental and flowering plants in greenhouses, garden centers, nurseries and hobby greenhouses. Safe on blooms and bracts. Natural pyrethrins.

Broadly labeled for most greenhouse pests on a wide variety of greenhouse crops including vegetables and herbs. REI: 12 hours. Broad spectrum natural pyrethrum.

Order #: **10-2201** -2 oz. (3000 sf) aerosol can -12 per case

Order #: **10-1121** -6 oz. (9000 sf) aerosol can -12 per case



TAME/ORTHENE TOTAL RELEASE

Total release product for use on ornamentals to control greenhouse pests including: Aphids, Caterpillars, Fungus Gnat adults, Thrips, Whiteflies. Bloom safety has been good but not all varieties have been tested. Approved for poinsettia bracts. Treatments can be repeated in 4-7 days. One canister covers 1500-3000 sq. ft. REI: 24 hours. General purpose insecticide.

Order #: **10-091450** -1 lb. aerosol can



To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

X-CLUDE PT-1600 DIRECTED SPRAY AEROSOL

A directed spray formulation of encapsulated natural pyrethrum with broad spectrum control of ants, aphids, Japanese beetles, rose chafers, roaches, fungus gnats, spider mites, spiders, whiteflies and many others. Use in hobby greenhouses and homes. Apply to potted and flowering plants, foliage, bedding plants, cut flowers and ornamentals. Not for open blooms. Not for use in commercial greenhouses. Natural microencapsulated pyrethrin aerosol.

Order #: **10-14199** –20 oz. aerosol can –12 per case



INSECTICIDES

(AVID) ABAMECTIN E-PRO

A pesticide with a unique chemistry that provides a different mode of action in the control of mites and certain insects. The active ingredient is derived from a soil microorganism and is chemically unrelated to any other miticide or insecticide. When applied to target insects, it kills both by contact and ingestion. When ingested, it acts as a stomach poison. Evaluation of efficacy should be made 3 to 4 days after application. Avid penetrates leaf tissues leaving a residual reservoir lasting up to three weeks. Acts against all mobile forms of mites and kills leafminer larvae as they begin to feed. Fresh foliar residues also stop egg-laying in leafminer adults. Avid may be applied with conventional hydraulic sprayers as well as low volume foggers and thermal foggers. Apply to ornamental crops in shade houses, greenhouses and in the open field. It is non-phytotoxic to most plants and their flowers and leaves no visible residue or offensive odor. Rates per 100 gallons: 4 oz. for mites; 8 oz. for leaf miners. REI: 12 hrs. Kills by contact & ingestion.

Order #: **10-140500** –1 qt. bottle



AZATIN EC

Azatin XL is an all-natural insecticide obtained from the seeds of the Neem tree. Azatin is a growth regulator that controls insects in the larval, pupal and nymphal stages. Apply Azatin XL at the dilution rate of 8 to 16 fluid ounces per 100 gallons of water based on label directions, to assure adequate plant coverage (use 1-2 gallons of spray solution/1,000 sq. ft.). 12 Hours REI. Biological insecticide.

Order #: **10-902** –1 qt. bottle



BOTANIGARD ES

A mycoinsecticide employing spores of a soil fungus which attacks soft-bodied insects such as aphids, whiteflies, thrips, and others. For use in greenhouses, nurseries, and landscapes. BotaniGard may be applied to ornamentals, vegetables and herbs.

Apply at the first appearance of insects. It takes 7 to 10 days to see control. Apply 1/2 to 3 quarts per 100 gallons. 100 gallons will cover 5000 to 20,000 square feet. Preharvest interval is zero (0) days. REI: 4 hours. Mycoinsecticide.

Order #: **10-2380** –1 qt. bottle



CITATION 75 WP

Citation insect growth regulator effectively and economically controls Dipterous leafminers, fungus gnats and shore flies in production ornamentals. Citation does not harm insect predators used in insect management programs and can be used in indoor and outdoor settings. RATES: Apply 2.66 oz. of Citation in 100 gallons of water as a spray or drench. Repeat application on a 7 to 14-day schedule to minimize reinfestation.

Insect growth reg. (6-1/6 lb. packs)

Order #: **10-140830** –1 lb. bag



CONSERVE

Conserve SC combines the efficacy of synthetic insecticides with the benefits of biological insect control materials. It is approved for use of turf, outdoor and nursery ornamentals, and greenhouse ornamentals. Insects controlled include cutworms, sod webworms, armyworms, bagworms, eastern tent caterpillars, fall webworms, gypsy moth larvae, western flower and Cuban Laurel thrips, serpentine leaf miners, Hickory Tussock moth larvae, yellownecked caterpillars, spruce budworms, sawflies, elm leaf beetles, willow leaf beetles and pod gall midges. Control of spruce spider mites and two spotted mites is not consistent. Insects contacted by it are affected within minutes and control can last up to two weeks. Conserve SC is soft on many predatory insects, but is toxic to honey bees. It is generally non-phytotoxic to turfgrasses and ornamentals. It has a low odor. Use .25-1.2 fl. oz. per 1000 sq. ft. REI: 4 hours. Spinosad (spinosad).



Order #: **10-5002** –1 qt. bottle

DEADLINE MINI PELLETS SLUG & SNAIL BAIT

Deadline Granules excel at attracting and destroying slugs and snails. Resistant to rain and watering. Deadline granules are not easily dissipated by water. Normally apply 1/2 to 2 lbs. per 1,000 sq. ft. Repeat treatment as necessary to maintain control. For best results, apply in evening. Especially beneficial if applied following rain or watering. Apply every 3 to 4 weeks during growing season or as needed.



Order #: **10-14186** –10 lb. bag

DECATHLON 20% WP

A wettable powder formulation of an advanced generation of synthetic pyrethroid insecticide for use on trees, shrubs, foliage plants and flowers in nurseries, greenhouses and interior landscapes. Use with spreader-sticker on hard-to-wet foliage. Controls many insects including ants, aphids, beetles, cockroaches, fungus gnats, mealybugs, whiteflies and numerous worms, caterpillars and leaf-feeding insects. Use 1.3 to 1.9 oz per 100 gallons. REI: 12 hrs. Cyfluthrin insecticide.



Order #: **10-1789** –1/2 lb. container

DIATOMACEOUS EARTH

Often used in organic crop production as insecticide. Particularly effective on worms.

Order #: **42-52811** –50 lb. bag –40 per pallet

DIPEL PRO DF BT



A biological insecticide effective in controlling leaf eating caterpillars, leafrollers, loopers, armyworms, pod worms, and cankerworms while leaving beneficial insects like honeybees unharmed. Dry, Flowable Dipel can be used on a wide variety of crops, including: berries, small fruit, herbs, spices, vegetables, bulbs, and greenhouse/shadehouse/nursery crops. Use 1/2 to 1 lb. per 100 gallons of water. REI: 4 hrs. A biological insecticide.

Order #: **10-14068** –1 lb. bag

DISCUS INSECTICIDE [special order item]

Discus Nursery Insecticide is a versatile, high quality, efficacious and cost effective nursery insecticide that provides outstanding insect control. Discus is safe on virtually all plant material, offering control of a wide range of insects. Discus as a foliar application provides greater than 30 day control. Discus can be applied as a drench, band or foliar application. Foliar spray rate: .25 to .5 oz. per gal. or 25 to 50 oz. per 100 gal. REI: 12 hours. Imidacloprid + Cyfluthrin foliar & systemic insect control.

Order #: **10-14052** –1 gal. bottle



To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

DISTANCE

A juvenile hormone IGR intended for use in IPM programs, for control of insects including whiteflies, scales, shore flies, and fungus gnats in greenhouses, lath and shadehouses and interiorscapes. Use on indoor and outdoor ornamentals, including flowering and foliage crops, ground covers, shrubs, ornamental trees and non-bearing fruit and nut trees. Distance acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Distance has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. It is recommended to be used in combination and/or rotation with other IPM materials. Do not use more than two (2) times per cropping cycle or per six months. If an additional application is needed less than 10 days after the first treatment, use an IGR with another mode of action or another chemical class of insecticide. Do not apply to Salvia, Ghost plant, Boston fern, Schefflera or Coral Bells. Do not apply to Poinsettia after bract formation. Rates range from 6 to 12 fl oz/100 gal. to cover 20,000 sq. ft. REI: 12 hours
Order #: **10-222** –1 qt. bottle



DURSBAN 50W

This restricted use insecticide can be used on nursery-grown ornamentals, sod farms, golf courses, and non-residential outdoor areas. Dursban effectively controls a wide variety of pests, including: ants, aphids, beetles, fleas, grasshoppers, leafminers, mealybugs, mites, mosquitoes, moths, scale crawlers, sowbugs, thrips, weevils, and white grubs. It is packed in a zip-lock foil pouch with 7-4 oz. water-soluble bags. Usage rates vary widely from 4 to 128 bags per 100 gallons. REI: 24 hrs. 28 oz. WSP.
Order #: **10-14077** –28 oz. bag



DURAGUARD PT1326 ME

Microencapsulated DuraGuard offers the advantage of a highly pure active ingredient encased in a tiny protective permeable capsule. Labeled for use in Commercial Ornamental Greenhouses and Nurseries and outdoor industrial plant sites. DuraGuard ME controls aphids, fungus gnats and fungus gnat larvae, mealybugs, scale, shore flies and thrips. RATES: Heavy infestation-Use 0.5 fl. Oz. DuraGuard ME per gallon of water; Preventative and maintenance-Use 0.25 fl. Oz. DuraGuard ME per gallon of water. Microencapsulated dursban.
Order #: **10-141123** –1 gallon bottle –4 per case



ENSTAR II

Enstar II is a biorational insect growth regulator effective in controlling aphids, greenhouse and sweet potato whiteflies, mealybugs, root mealybugs, soft and armored scales and fungus gnat larvae on ornamental plants in greenhouses and interiorscapes. Enstar II is a synthetic analog of a naturally occurring insect growth regulator. Enstar II, in delivering artificially high levels of juvenile growth hormone, works on all stages of the insects' life cycle when used at the curative rate. Insects die at the end of the current stage of their life cycle. The preventative rate is 5 oz. per 100 gallons (1/4 tsp. per gal.). Can be used with the companion pesticide Mavrik (8 oz. per 100 gallons) for broader spectrum of control. REI: 4 hrs. Biorational insect growth regulator.
Order #: **10-140829** –5 oz. bottle



FLAGSHIP 25 WG [special order item]

Flagship 25 WG is for foliar and systemic control on insect pests on ornamental plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees) and on Christmas trees. Flagship 25 WG is a broad-spectrum insecticide that is active against many sucking and chewing pests by contact and ingestion. It is relatively short-lived on the surface of plant foliage, readily absorbed into plant tissues and rain fast once it has dried. Rates: Foliar spray-1/4 to 1/2 tsp. per 3 gal. or 2-4 oz. per 100 gal. Drench rates listed on label. Systemic insecticide thiamethoxam.
Order #: **10-14127** –8 oz. container



FLORAMITE SC

This ornamental miticide offers rapid contact control of mite species including: two spotted spider mite, pacific mite, strawberry mite, citrus red mite, European red mite, clover mite, southern red mite, and spruce spider mite. This miticide is labeled for use on virtually all types of ornamental plants found in greenhouses, nurseries, in interiorscapes and landscapes. Floramite provides 21 days of residual control, however, it is not effective against rust mites, broad mites, and flat mites. This miticide is also relatively inactive against predatory insects and a variety of beneficial mites. Use 4-8 oz. per 100 gal. of water REI: 4 hrs. Miticide for control of spidermites. Order #: **10-56628** –1 qt. bottle



GNATROL WDG

A highly selective, biological insecticide for the control of fungus gnat larvae in greenhouses, interiorscapes and nurseries in potting media high in peat moss content. It will not control adult fungus gnats. May be applied with sprayer or through an injector. Use 1 to 8 pts. Per 100 gallons (1 to 8 tsp. per gallon) as spray or drench to moisten soil 1 to 1 1/2" deep. Undiluted used through 1:100 injector delivers 8 pints per 100 gallons (diluted with equal parts water 4 pts. Per 100 gal., etc.). REI: 4 hrs. Biological insecticide. Order #: **10-14195** –16 lb. pail



HEXYGON DF MITICIDE

Hexygon DF is recommended for use as a foliar application to labeled crops. Hexygon DF provides effective control of major spider mite species. It is a 50% dry-flowable formulation to be mixed with a diluents and applied as a spray. Hexygon DF controls mites through activity on eggs and immature stages. Control is achieved from either direct contact with the spray or from contact with treated plant surfaces. Through its ovicidal activity, Hexygon DF controls newly deposited mite eggs and eggs which are laid after application. Hexygon DF is also highly effective in controlling immature motile stages of target mite species that are sprayed or move onto treated surfaces. Adult mites are not directly affected. However, eggs produced by females in contact with treated surfaces will be rendered inviable. Hexygon DF provides extended residual control of pest mite species without disrupting beneficial insects and mites. The degree and duration of control is dependent on the rate used, growth stage of the mite, and climatic conditions under which the material is applied. RATES: 1-2 oz. per 100 gallons or 3-6 oz. per acre or 0.07-0.14 oz. per 1000 square feet. Ovicide-excellent for mite control. Order #: **10-DF602** –6 oz. container



JUDO MITICIDE/INSECTICIDE

[special order item]
JUDO™ (spiromesifen) insecticide/miticide is an excellent and innovative compound for controlling mites and whiteflies on nursery and greenhouse ornamentals. Efficacy and plant safety have been evaluated on a great number of ornamental crops. When used according to the label recommendations JUDO provides outstanding control of whiteflies and mites resistant to other families of insecticides and miticides. Rate: 2-4 fl. oz./100 gal. of spray solution. For all stages mites/whiteflies. Order #: **10-14109** –8 oz. container



To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

MESUROL 75% WP [special order item] 

Mesurool 75W is a time tested insecticide/molluscicide for nursery and greenhouse ornamentals. Mesurool acts on contact providing effective control of western flower thrips and broad spectrum control of terrestrial slugs and snails. Activity is not affected by low temperatures or high moisture environments. Mesurool offers effective reliable long term residual control. Apply .5 to 1 lb. per acre in 50 gallons of water. Carbamate. Order #: **10-14065** –2 lb. bag

MALATHION 5E (55%)

For use on field seed crops, fruits, vegetables, ornamentals and walnuts to control a variety of insects including aphids, mites, leafhoppers, codling moths, Mexican bean beetle, scale, whitefly, thrips, mealybugs, bagworms and tent caterpillars. Use 1 to 2 pints in 100 gallons of water or 1 to 2 teaspoons per gallon for greenhouse and garden applications. REI: 12 hrs. Organophosphate. Order #: **10-14104** –1 gal. bottle



(MARATHON) MANTRA 1G

Mantra 1G is an imidacloprid insecticide that provides both contact and residual control of sucking and piercing insects in greenhouse and nursery operations. Mantra 1G provides imidacloprid technology in a convenient to use 1% granular formulation with a high degree of label flexibility for targeted pests and methods of applications. Apply to herbaceous species (one or two plants per pot) in 5.5 to 7.0 inch containers for 900 to 400 pots/cu. yd. of mix at a bulk rate of 1.8 to 1.2 lbs./cu. yd. As a topical application, apply 1/3 to 2/3 level teaspoons or 1.4 to 2.0 grams/pot for 5.5 to 7.0 inch containers. Greenhouse & nursery insecticide.

Order #: **10-618100** –5 lb. container –4 per case
Order #: **10-618000** –50 lb. drum



(MARATHON) IMIDA E-PRO 2F FLOWABLE

Mantra 2F provides imidacloprid technology in a convenient to use two pound/gallon liquid SC formulation, with a high degree of label flexibility for targeted pests and methods of application. For trees (including non-bearing fruit and nut), shrubs, evergreens, flowers, foliage plants, groundcovers, interior plantscapes and vegetable plants apply at a rate of 1.7 fl. oz. (50 ml) per 100 gallons of water. For ornamental and vegetable plants grown in flats, benches or beds apply at a rate of 1.7 fl. oz. (50 ml) per 3,000 sq. ft. Generic “Marathon” imidacloprid. Order #: **10-618102** –250 ml. bottle



(MARATHON) IMIDA E-PRO 60WP

For insect control in greenhouse & nursery ornamental plants. It is registered for control of adelgids, aphids, thrip suppressions, whiteflies, mealybugs, scales, lace bugs, root weevil complex and white grub larvae. It may be applied as a soil drench by micro-irrigation, drip irrigation, overhead irrigation or hand-held, motorized, calibrated irrigation equipment. A 20 gram packet in 24 gallons of water will treat 1,000 individual 6 inch pots, applied at the rate of 0.5 oz finished solution per inch of pot diameter. Use 4 packets in 1 gallon of water and inject @ 1:100 to treat 4,000, 6 inch pots. REI: 12 hrs. Imidacloprid for drench or irrigation application. Order #: **10-618101** –5x20 gram container



MAVRIK AQUA FLOW

A synthetic pyrethroid labeled for control of major insect pests on indoor ornamental plants. At recommended rates, Mavrik controls aphids, thrips, mites, whiteflies, leaf-feeding caterpillars, flea beetles, cucumber beetles, elm leaf beetles, leafhoppers, lygus bugs and root weevils. Flower and foliage cuttings may be dipped in a Mavrik solution for control of mealybugs, aphids and mites. Non-phyto-toxic. Safe on open flowers. Manufacturer recommends buffering spray water to pH 5-7 if necessary. Use 2 to 10 oz. per 100 gallons of water. REI: 12 hrs. Synthetic pyrethroid. Order #: **10-14111** –1 qt. bottle



MOISTURE RESISTANT YELLOW STICKY CARDS

No messy glue-the slue stays on the yellow trapping card and does not come off on your hands. Place 1 card per 1000 sq. ft. by doors, vents and passage-ways to monitor insect populations, identify pests and track hot spots. Yellow attracts whiteflies and fungus gnats. Prepunched hole in each card make them easy to hang above crop canopy. 3"x5" yellow sticky cards; 48 cards per package. Order #: **10-0035** –pack of 48 cards



MOISTURE RESISTANT BLUE STICKY CARDS

[product discontinued when sold]

Work just like yellow cards except blue cards attract thrips. 3"x5" blue sticky cards, 30 per package. Order #: **10-141151** –pack or 30 cards



MOSQUITO BITS

Corn cob granules coated in Bti. Mosquito Bits do not last long but provide a release of BT that will turn water, black with larvae, to a clear pool void of future mosquitoes. After the initial use as a "shock", supplement with Mosquito Dunks for long term control.

Order #: **10-1176** –2 lb., 4 oz. package



M-PEDE

A true soap that exhibits outstanding insecticidal properties. It is labeled for use on vegetables, fruit and nut trees, indoor plants, flowers and bedding plants and ornamental trees and shrubs. May be used outdoors, in interior plantscapes and homes and in greenhouses. Controls aphids, fungus gnats, mealybugs, mites, sawflies, scales, spittlebugs, tent caterpillars, thrips, whitefly and others. Does not kill lady beetles, parasitic wasps or honeybees. Use up to day of harvest on vegetables. Use with caution on some plants. Apply at the rate of 1 1/2 to 4 oz. per gallon of water. REI: 12 hrs. Potassium salts of fatty acids.

Order #: **10-15011** –2.5 gal. jug



MYCOTROL O [special order item]



Mycotrol O is a mycoinsecticide formulation containing spores of the entomopathogenic fungus *Beauveria bassiana* GHA strain. It is specifically formulated for use in organic agriculture and is OMRI certified. Mycotrol O has been registered for use against a wide variety of soft-bodied insects such as whiteflies, thrips, aphids, psyllids, mealybugs, scareb beetles, plant bugs and weevils. RATES: Whiteflies, mealybugs, aphids-1/2 quart to 1 quart/100 gallons spray; Thrips-1 quart/100 gallons spray; Other labeled insects-1/2 to 2 quarts/100 gallons spray depending on insect population and foliage density. OMRI listed mycoinsecticide.

Order #: **10-900112** –1 qt. bottle

NATURALIS O "L"



Naturalis L is a biological insecticide for use on field crops, vegetables, and fruit, nut and vine crops. Kills ants, aphids, armyworms, budworm and bollworm, citrus blackfly, Colorado potato beetle, corn borers, fleahoppers, Japanese beetles, leafrollers, loopers, lygus bug, mealybugs, tetranychid mites, pear psylla, tarnished plant bug, thrips, tomato fruitworm, weevils, whiteflies, and eggs of lepidopteran pests. Works primarily through contact action. Time must be allowed to achieve pest population suppression. Fungus grows on the insects which in turn kills them. Also kills eggs and immature. Classified as a "reduced risk". Contains no hard chemicals and qualifies for organic production. Residual activity is 3-7 days. Cost effective performance: 1/3 to 1 oz. per gallon, 1 to 3 oz. per 1000 sq. ft. May be tank mixed with an adulticide but NOT other fungicides. REI: 4 hrs.

Order #: **10-80902** –1 qt. bottle

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

(ORTHENE T&O) ACEPHATE E-75

Effective through contact and systemic action on ornamental trees and shrubs, outdoor floral crops, and greenhouse floral and foliage plant crops. Controls aphids, bagworms, birch leafminer, tent caterpillars, lace bugs, leafrollers, scale crawlers, cankerworms, thrips, mealybugs, whiteflies, lygus bugs and others. Use of surfactant not necessary. Rainfast and absorbed into surfaces sprayed in 24 hours. Some phytotoxicity noted on flowering crabs, certain chrysanthemum varieties, and certain foliage plants. Check label. Use 1/3 to 1 lb. per 100 gallons of water or 2 1/2 oz. to 7 oz. per 20 gallons. This is a 75% soluble powder formulation. REI: 24 hrs.

Order #: **10-14124** -1 lb. can



OVATION SC [special order item]

An ovicide/miticide for mite management in greenhouses, shadehouses, outdoor container and field grown nursery stock. Highly active on mite eggs and early mite stages with residual activity up to 45 days. Most effective at first sign of mite activity and egg laying. If a large mite population exists, tank mix with an adulticide. Has proven to have limited to no effect on beneficials and can be used in an IPM program. Use 2 oz. per 100 gallons. Ovation is magenta in color and could possibly spot open blooms-especially white flowers. REI: 12 hrs. Miticide for red spiders.

Order #: **10-95170** -16 oz. bottle



PHYTA-GUARD EC

Use on fruits, vegetables and ornamentals to control various insects and diseases. Made from naturally occurring rosemary oil and clove oil. Natural insecticide/repellent oil. RATES: For ornamentals and vegetables apply at a rate of 1/2-1 fl. oz./gal. of water. For dormant fruit and nut trees apply at 2-3 fl. oz./gal. of water and for non-dormant fruit and nut trees, 1 1/2 fl. oz./gal. of water. For citrus or grapes apply at 1 1/2 fl. oz./gal. of water. Organic insecticide/fungicide.

Order #: **10-LG6180** -1 pt. bottle

PYGANIC EC 1.4 II



Pyganic provides rapid knockdown and kill of insects which reduce the value of your organic production. Approved for use on all growing crops, landscape and ornamental plants, in homes and other structures, in livestock premises and on livestock. Non-persistent in the environment-may be applied on day of harvest (12 hour REI) Listed by OMRI for use in organic production. Pyrethrum.

Order #: **10-LG6262** -1 qt. bottle

PYLON MITICIDE [special order item]



A miticide labeled for use on ornamental greenhouse crops, Pylon kills by disrupting the cell function of mites. It offers both contact control and 21-27 days of residual control for most mite species including: two-spotted spider mite, apple rust mite, broad mite, carmine spider mite, citrus budmite, citrus rust mite, cyclamen mite, pear rust mite, and the Pacific spider mite. Once applied, Pylon moves rapidly from the top of the leaf to the bottom, making it useful against mites feeding on the underside of the leaf. Use 2.6 to 5.2 fl. oz. per 100 gallons. REI: 12 hrs. Excellent control on spidermites.

Order #: **10-618200** -8 oz. bottle

SAFARI INSECTICIDE

Safari Insecticide, a new generation, super systemic insecticide with quick uptake and knockdown, controls a broad spectrum of ferocious and invasive pests, including Q- and B-biotype whitefly, mealybug, leafminer, fungus gnats, black vine weevil, glassy-winged sharpshooter, armored and soft scale, adelgid, and lacebug—some of the most costly pests that affect high value greenhouse and nursery crops such as poinsettia and hibiscus, as well as trees, shrubs and herbaceous ornamentals in the lawn and landscape business. **RATES:** Apply at 4-8 oz. per 100 gallons or for treatment of small areas apply at 1/2-1.0 tsp per gallon. For optimal control make first application just before pest populations reach an economic threshold. If necessary, make a second application after 14-21 days. Tank mixing with a surfactant may improve control of pests such as whitefly, mealybug and scale.



Dinotefuran For whitefly, aphid control.

Order #: **10-14108** –3 lb. bag

SANMITE 75 WP

A miticide-insecticide that provides control of spider mites (including Cyclamen mites) and whiteflies for up to 21 days on greenhouse ornamentals such as cut flowers and greens, foliage plants and hanging baskets and on outdoor ornamentals. Precede Sanmite application to adult mites with a knock-down chemical, then follow-up with Sanmite. Product works best on nymph stages. Whiteflies (GH & SPWF) are most susceptible in the adult, crawler and small nymph stages. Packaged in 1 oz. water soluble bags. Rates: 2-4 oz. per 100 gallons for mites, 4-6 oz. per 100 gallon for whiteflies. Wait 7-10 days for evaluation of control. REI: 12 hours. Miticide for red spiders, insecticide for whiteflies.



Order #: **10-14051** –4 oz. container (4 x 1 oz..)

STIRRUP-M

Stirrup-M is a controlled release pheromone product increasing miticide efficacy by causing tetranychid mites to become excited and active, increasing the opportunity of exposure to the miticide. May be used on all raw agricultural commodities until day of harvest. Increased efficacy on a wide range of crops: apples, cucumbers, cotton, almonds, strawberries, roses, and many more. Apply as a tank mix with registered miticides. Use 2 to 6 oz. per acre.

Order #: **10-80181** –1 qt. Bottle



(TALSTAR) MENACE 7.9% FLOWABLE

Menace 7.9% Flowable insecticide is a liquid concentrate containing 7.9% bifenthrin for the control of a wide variety of insect pests in nearly all residential and commercial settings. Menace 7.9% Flowable is a fast-acting synthetic pyrethroid with low to no odor and provides quick knock-down of insects, quickly ensuring healthier turf and public environments. Bifenthrin (talstar).

Order #: **10-141711** –1 gal. bottle, 4 per case



TAME 2.4 EC

A synthetic pyrethroid for use on ornamentals in greenhouses, lath and shadehouses only. Controls mites and insects such as aphids, whitefly, sweet potato whitefly (mixed with orthene), mealybugs, beet armyworm, apple aphid and tentiform leafminer. May be applied to bedding plants, foliage plants, trees and shrubs. Use 5 1/3 to 16 oz. per 100 gallons. REI: 12 hrs. Synthetic pyrethroid-restricted pesticide.

Order #: **10-14173** –1 qt. bottle



To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

TEMPO SC [special order item]

For effective broad-spectrum control of insect pests, including: ants, beetles, centipedes, cockroaches, crickets, earwigs, flies, fruitflies, gnats, hornets, millipedes, pillbugs, silverfish, sowbugs, moths, wasps, yellow jackets. Tempo SC Ultra can be used on both indoor and outdoor surfaces, as well as on trees, landscape ornamentals, and residential and commercial lawns. Use 45 ml (1.5 fl. oz.) per 100 gallons on ornamentals and 4 to 6 ml per 1,000 sq. ft. (5.9 to 8.9 fl. oz. per acre) on turf. Synthetic broad-spectrum insecticide.



Order #: **10-14176** –240 ml. bottle

(THIODAN) THIONEX 50W

For outdoor use on fruit and nut trees, vegetables and ornamentals. Approved for greenhouse use on tomatoes and listed ornamentals. Controls aphids, borers, cabbage loopers, cyclamen mite, whitefly and others. Apply at a rate of 1 pound per 100 gallons (1 tablespoon per gallon). Make applications when insects appear or feeding is noticed. Endosulfan insecticide.



Order #: **10-14178** –5 lb. bag

TRISTAR 30% SG

A broad spectrum insecticide with the active ingredient of Acetamiprid for control of aphids, whiteflies, caterpillars, mealy bugs, thrips, beetles and leaf miners. Apply at 1.3 to 8 oz. per 100 gal. which is 1/3 to 2 teaspoons per 3 gallon tank, depending on the pest to be controlled.



Order #: **10-227101** –8 oz. container

ULTRAFINE OIL SPRAY



A highly refined (UR, 92%), paraffinic spray oil with a high degree of plant safety. Use on greenhouse crops (including poinsettias), vegetables, fruit and nut trees, citrus and shade trees, ornamental shrubs, flowers and foliage plants. Controls aphids, mites, leafminers, mealybugs, whiteflies and others.

Acts as a suffocant and ovicide. Use 1 to 3 parts oil to 100 parts water (1 to 3 gallons oil to 100 gallons of water) and 2.5 to 5.0 tbs. per gallon on greenhouse crops. REI: 4 hrs. Don't use on plants that have been sprayed with sulfur. Highly refined oil spray.

Order #: **10-141685** –2 1/2 gal. jug

ROOTING HORMONES

#1 HORMEX ROOTING POWDER

.1% IBA for easy to propagate plants such as common shrubs and greenhouse plants. Typical plants rooted with this strength include African Violet, Azalea Pink Pearl, Azalea Snow, Begonia, Bougainvillea, Carnation, Chrysanthemum, Coleus, Euonymus, Fuchsia, Geranium, Hydrangea, Jasmine, Mock Orange, Philodendron, Poinsettia, Raspberry, Rose, Sage, Verbena and Willow.

Order #: **10-1700** –1 lb. box

#3 HORMEX ROOTING POWDER

.3% IBA for rooting woody and semi-woody plants and easy to propagate evergreens. Typical plants rooted with this strength include Arbor-vitae, Azalea dauricum, Azalea mollis, Blueberry, Daphne, Elder, Ivy, Pyracantha, Juniperus chinensis pfitzeriana, Juniperus sabina fastigiata and Sequoia gigantea.

Order #: **10-1703** –1 lb. box

#8 HORMEX ROOTING POWDER

.8% IBA for rooting difficult to propagate plants such as evergreens and dormant leafless cuttings. Typical plants rooted with this strength include Azalea arborescens grandiflora, Azalea canadensis, Azalea Roseum, Grape, Juniper varieties, Lilac, Maple, Privet and Rhododendron varieties.

Order #: **10-1706** –1 lb. box

Legend— OMRI: Organic: Restricted:

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

CHEMICALS

ROOTING HORMONES, SMOKE BOMBS & SPREADER STICKERS



#16 HORMEX ROOTING POWDER

1.6 % IBA is an excellent strength especially recommended for Juniperus torulosa, Thuja pyramidalis and other similar plants.

Order #: **10-1709** –1 lb. box



HORMEX CONCENTRATE

A vitamin, hormone concentrate and root growth stimulant. Hormex prevents transplant shock by stimulating growth of the small feeder roots, which become damaged during transplanting.

Vitamin B-1, IBA & Growth Hormones

Order #: **10-1718** –1 gal. bottle

Order #: **11-30** –30 gal. [special order item]



SMOKE BOMBS

EXOTHERM TERMIL

Exotherm Termil is a powerful fungicide, excellent for control of Botrytis, Leafspots and Foliar Blights, Flower Spots & Blights, Phytophthora leaf blight and dieback, Powdery mildew and Rusts. Exotherm

Termil combines the power of smoke fumigation with the effectiveness of a powerful fungicide, giving full control over diseases on high-value greenhouse crops. Ignite with paper matches.

Smoke fungicide for botrytis, sold only in case lots.

Order #: **10-1750** –10,000 cf per can –24 cans in case



FULEX DDVP VAPONA

(Organophosphate) Controls whiteflies, aphids, red spiders and mealybugs on greenhouse ornamentals, tomatoes, cucumbers, lettuce and radishes. Smoke bombs light with provided sparklers. Sold only in case lots.

Order #: **10-1781** –10,000 cu. ft. per can –12 cans in case

Order #: **10-1782** –20,000 cu. ft. per can –12 cans in case



FULEX NICOTINE

(Botanical) Controls aphids, whiteflies and thrips on greenhouse ornamentals, tomatoes, cucumbers and lettuce. This is a restricted use pesticide. Sold only in case lots.

Order #: **10-1765** –10,000 cu. ft. per can –12 cans in case

Order #: **10-1766** –20,000 cu. ft. per can –12 cans in case



FULEX PERMETHRIN



Permethrin combines the power of smoke fumigation with the effectiveness of a powerful contact insecticide, giving full control over adult whitefly, spider mites, aphids, thrips and other greenhouse pests. Use in rotation with Fulex Nicotine Fumigator and Fulex DDVP Fumigator.

Sold only in case lots.

Order #: **10-1753** –10,000 cu. ft. per can –12 cans per case

Order #: **10-1755** –20,000 cu. ft. per can –12 cans per case



FULEX THIODAN SMOKE

(Chlorinated Hydrocarbon) For control of resistant whiteflies, thrips and aphids on greenhouse ornamentals, tomatoes and cucumbers. Sold only in case lots.

Order #: **10-1776** –10,000 cu. ft. per can –12 cans per case

Order #: **10-1777** –20,000 cu. ft. per can –12 cans per case



EXTRA SPARKLERS FOR FULEX SMOKE BOMBS

Order #: **10-1783** –priced each –6 per pack

FULEX RE-IGNITE “STARTER KITS”

Kit of 4 cans with extra igniting material to recharge 1 to 2 cases of unlit Fulex smoke bombs when there is a lighting problem.

Order #: **10-1754** –carton of 4 cans

SPREADER STICKERS

SPREAD-IT STICKER



Spreads and sticks herbicides, insecticides and fungicides to leaf surfaces. Use 3 to 8 oz. per 100 gal. of spray solution. Add Spread-It after pesticides have been mixed and dispersed.

Order #: **11-1774** –1 gal. bottle

To Order Call: 405.787.4833 or 1.800.522.3376

Prices subject to change without notice

WATER MANAGEMENT

AQUABOND-HL W/ HOSE END

Aquabond-HL liquid polymer formulation allows for uniform water filtration throughout the soil profile. Eliminates water repellency in the soil and quickly relieves plant stress due to the inability of water to infiltrate to the root zone. Improves soil hydration capabilities.

Eliminates localized dry spots and hydrophobic soil conditions. Reduces surface evaporation and run-off. Aids in retention of nitrate rich fertilizers and helps to prevent leaching. Reduces sodium levels in soils by displacing the sodium below the root system. Enhances seed growth in sod installation. 64 oz. of product treats 5,000 sq. ft. of lawn or flowerbed when applied with provided hose end applicator. To water into soil.

Order #: **11-100** –64 oz. bottle



VAPOR GUARD ANTI-TRANSPIRANT

[special order item]

Locks moisture in leaves to help increase plant survival under stress conditions caused by transplanting or transporting in cold weather and summer drought. These conditions cause plants to lose more moisture than can be absorbed by their roots or is available to the plant. Vapor Guard is a wax emulsion that mixes easily with water and stays mixed. Easily applied with standard spray equipment and rinses with soap and warm water. Hundreds of uses on cuttings, seedlings, liners, vegetable transplants, bedding plants, ornamentals, ground covers, sod and turf areas, Christmas trees, wreaths, etc. For transplanting, transporting or to protect established ornamentals or Christmas greens-Dip or spray foliage with a concentration of Vapor Guard. Use 4 to 8 fl. Oz. of Vapor Guard per gallon of water. For more sensitive plants or plant tissue, use 4 fl. oz. of Vapor Guard per gallon of water.

Order #: **10-01513** –1 gal. bottle

SOIL MOIST CRYSTALS



SOIL MOIST™ is a synthetic acrylic polyacrylamide with a potassium salt base. It is a safe, non-toxic polymer for use in all horticultural applications. When used according to the application rates, SOIL MOIST can reduce irrigation frequency by 50% and last 3 - 5 years in the soil. Acrylic polymer-add to soil to manage water.

Order #: **21-00100** –1 lb. container

Order #: **21-00300** –3 lb. pail

Order #: **21-08BKSM** –8 lb. pail

Order #: **21-50BKSM** –50 lb. box

WET FOOT “L” WETTING AGENT



Liquid polymer to water into soil to help soil accept water. Biodegradable non-ionic 100% active wetting agent to help eliminate soil compaction, dry spots, hot spots and water runoff. Allows for the reduction of surface tension. Ideal for use with potted plants, ornamentals, trees, shrubs and turf. Spot treat– 1/2 oz.

in gallon of water; Flower beds-3 oz. in 5 gallons of water per 1,000 sq. ft. or 32 oz. in 50 gallons of water applied to an acre.

Order #: **11-1752** –2 1/2 gal. jug

CHEMICALS—MISCELLANEOUS

AGRIBROM BIOCIDAL POWDER

For control of microbial slimes and fouling in recirculating cooling water, irrigation and automatic water distribution systems in commercial floriculture greenhouses and agricultural premises.

DOSAGE RATES: Recirculating cooling water systems-When the system is noticeably fouled, use 15 g of Agribrom per 200 L of water contained in the system. Add additional Agribrom until a residual of 8 to 10 mg/L bromine is established; Irrigation and automatic water distribution systems-For best results, irrigation/equipment should be clean and free from microbial fouling at the beginning of treatment. Use Agribrom to maintain a residual of 5 to 10 mg/L bromine in the treated water.

Order #: **11-1597** –3 lb. container

AQUA-ONE

A “use by” date on every bottle ensures you are getting a live, active product. 22 strains of beneficial bacteria. Perfect for starting and maintaining biofilters. Improves water clarity and reduces sludge buildup. Reduces nitrogen compounds that kill fish. Used by major water parks and zoos. No odor. Use it all year. Use in fresh or saltwater. All natural, no chemicals. Can reduce the risk of fish disease from Aeromonas and Pseudomonas bacteria.. Natural pond & aquarium clarifier.

Order #: **11-1202** –1 gal. bottle –4 per case



BIG FOOT SS BLUE SPRAY

Big Foot may be used with all types of spray equipment. Big Foot is a professional applicator’s grade temporary colorant designed to be used to mark where chemical spray solutions have been applied. The use of Big Foot eliminates overlapping or skipping of areas and also helps to indicate drift. Big Foot is designed for use on golf courses, right of ways, parks, cemeteries or turf and nursery applications. Great for use with herbicides, fungicides, pesticides, fertilizers and nutrients. Use at a rate of 6 to 10 ounces per 100 gallons of spray solution. Super strength pattern indicator.

Order #: **11-1500** –1 qt. bottle –12 per case



BIG FOOT SPRAY PATTERN INDICATOR

Use at the rate of 16 ounces per 100 gallons of spray solution.

Blue spray pattern indicator.

Order #: **11-1770** –1 gal. bottle –4 per case



BLUE LAGOON SS [special order item]

The use of Blue Lagoon SS adds a natural beauty to ponds, lakes, fountains, lagoons, etc. coloring them a beautiful blue color. When applied at the recommended rates, Blue Lagoon SS will not stain birds or fish. Blue Lagoon SS is harmless to humans as well as wildlife. Blue Lagoon SS is a BirdBlocker formulation designed to darken water sufficiently to protect against fish “poaching” in aquaculture environments. Blue lake and pond colorant.

Order #: **11-1501** –1 qt. bottle -12 per case



DUST BINDER

Polymer based dust control additive. It is mixed with water and applied by watering can or high volume sprayer to spray on dusty roads, dirt parking lots and fields to bind dust and dramatically reduce blowing dust problems.

Order #: **10-LG8305** –2 1/2 gal. jug –2 per case



ENDOMYCORRHIZAE [special order item]

Soil Moist Injectable is formulated to inoculate existing trees and shrubs using injection equipment. The product contains a diverse blend of 5 species of healthy viable ectomycorrhizal propagules and 7 species of micronized endomycorrhizal propagules that are adapted to a wide range of plants and conditions. Packaged in resealable jars. Injectable and makes 150 gallons.

Order #: **11-91J** –9 oz. bottle



GENERATION

Generation is an exciting blend of new creation Super Surfactants based on Organo-Modified Siloxane technology. This new technological advance allows this product to perform far beyond the capabilities of conventional surfactants and spreader stickers; in fact with as much as 25 times the efficacy. This new chemistry is so effective in wetting out hydrophobic surfaces that the effect can be likened to a “Molecular unZipper” with the zipper being pulled open in the presence of Generation Super Surfactant. This molecular unzipping effect ultimately shows itself in its enhanced ability to lower surface tension and contact angles of spray droplets. 100% active silicon super surfactant.

Order #: **11-1502** –1 qt. bottle –12 per case

To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice

GREEN TOES SS

Green Toes SS is a super concentrated, professional applicator's grade temporary colorant solution designed to be used to mark commercial spray solution applications. The use of Green Toes SS eliminates overlapping or skipping of areas. Green Toes SS is designed for use on rights of ways, golf courses, parks, or any other turf or commercial spray application. Green Toes SS may also be used to enhance hydroseeding or straw/hay tacking mulch application. Green super strength pattern indicator.
Order #: **11-1503** –1 qt. bottle –12 per case



GRO SAFE CHARCOAL [special order item]

Activated charcoal used to absorb spills of organic herbicides, insecticides, some petroleum products and hydraulic fluids or to neutralize over application of chemicals. Use 100 lbs. for every pound of active ingredient you want to neutralize.
Order #: **42-3015** –50 lb.

MARK IT BLUE

A spray solution colorant by Monterrey. Shows where you have sprayed, indicates drift and eliminates waste by spraying over areas already treated.
Order #: **10-LGI130** –1/2 pt. bottle –12 per case



NEUTRA CLEAN

Spray tank cleaner and neutralizer. Cleans and neutralizes in one operation. Neutralizes herbicide residue in tank. Removes residue of fertilizers and insecticides. Use 1 qt. per 100 gallons of water. Circulate for 5 minutes then flush solution through pump and discharge liner.
Order #: **11-1773** –1 gal. bottle –4 per case

SAFE-ONE

All natural microbial odor eliminator, waste treatment and beneficial bacteria. Accelerates the natural breakdown of solid and liquid waste. Most effective in temperatures above 50 degrees F.
Order #: **11-1220** –1 qt. RTU –12 per case
Order #: **11-1221** –1 gal. bottle –4 per case



TERRA-ONE

Professional turf and plant treatment. Microbial treatment works with all types of fertilizers and makes plants more resistant to stress, heat and disease. Safe for all ornamental and food plants. Accelerates the natural breakdown of thatch. Works best at over 50 degrees F. Apply at 5 oz. per gallon or 1.5 gallons in 600 gallons of property per acre.
Order #: **11-1222** –1 gal. bottle –4 per case



TRANSPLANT MYCORRHIZAE

Soil Moist Transplant is formulated to inoculate transplanted trees, shrubs and plants during planting time. The formulation contains a diverse blend of 5 species of healthy viable ectomycorrhizal propagules and 7 species of endomycorrhizal propagules that are adapted to a wide range of plants. Soil Moist water storing polymers are included in the blend. Treats up to 26 caliper inches of tree trunk.
Order #: **11-005** –5 lb. pail



TRIO-ACIDIFYING SURFACTANT

Compatibility agent. Provides superior wetting and spreading properties but also reduces pH of spray tank water while simultaneously containing high tech compatibility agents. Use 16 oz. per 100 gallons of water or 16 oz. per 100 gallons for each full point of pH to be reduced.
Order #: **11-17721** –1 gal. bottle –4 per case
[special order item]
Order #: **11-1772** –2 1/2 gal. jug –2 per case



MEASURING SPOONS

SET/4 PLASTIC MEASURING SPOONS

One set of 4: 1/4 teaspoon, 1 teaspoon, 1 tablespoon & 100 ml spoons.

Order #: **41-600971** –set



SET/4 METAL/PLASTIC MEASURING SPOONS

1/4 teaspoon, 1/2 teaspoon, 1 teaspoon & 1 tablespoon

Order #: **41-802590** –set



MEASURING SCALES

4.4 LB KITCHEN SCALE WHITE

Rubber feet won't scratch counters. White plastic body with large bowl. 4.4 pound/2000 gram capacity.

Order #: **41-123090** –packed, each



8OZ. DIGITAL CHEMICAL SCALE

Travel size digital scale fits in pocket or briefcase. Capacity 8 oz. x 0.005 oz./250 g. x 1 g. A 3" x 3" weighing tray inverts for use as a cover over the built-in 2 1/8" x 2 1/4" scale platform. 0.25" LCD digits. Tare, auto and manual off and low battery indicator features. 2 lithium batteries included. Overall size: 3 1/8" x 4 1/2" x 1".

Order #: **41-1290** –packed, each



MOUSE CONTROL

MOUSE MASTER TRAP

Convenient multiple-catch mouse trap (up to 10 mice). Durable 26-gauge galvanized steel construction. Two viewing windows for easy inspection. Exclusive "tension release" button for resetting without over winding. Double door design for easy cleaning.

Order #: **31-100** –packed, each



To Order Call: 405.787.4833 or 1.800.522.3376
Prices subject to change without notice