

PESTICIDE RESTRICTIONS AND HANDLING INFORMATION



RESTRICTED CHEMICAL: Within the pesticide section of our catalog, you will find certain chemicals highlighted by a Skull & Crossbones. This indicates a restricted chemical as designated by FEDERAL AND STATE LAW. To purchase such chemicals, you must have a valid Restricted Chemical Permit. The permit is normally obtained through your local county extension office. Law requires that a copy of your permit be on file in the caSSco office before a restricted chemical purchase can be made. We are bound by law not to sell these chemicals to anyone without a permit.

caSSco is licensed to sell restricted chemicals into the following states only: ALABAMA, GEORGIA, MISSISSIPPI, AND TENNESSEE. Other states may be added in the future.

SHIPPING RESTRICTIONS: There are shipping restrictions against most RESTRICTED chemicals (a partial list of restricted chemicals handled by caSSco are listed below) due to their poisonous nature. For this reason, you will find that most restricted chemicals can only be shipped by trunk lines. Though weight and size is no hindrance, neither UPS, parcel post, nor air freight will transport these materials. Several NON-RESTRICTED chemicals must be shipped by truck lines due other UPS limitations.

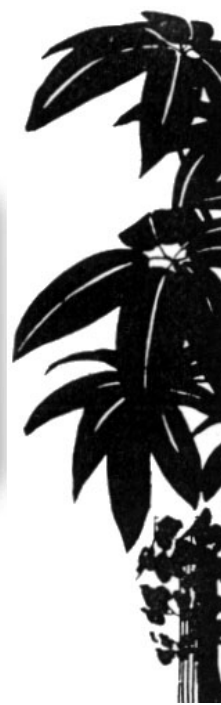


RESTRICTED CHEMICALS



Disyston
Duragaurd
Exotherm Termil
Gramoxone
Nicotine Smoke

Pro Gibb
Scimitar
Talstar (qt only)
Tame
2, 4-D (in ARK, FL, LA, & MS)



FUNGICIDES

Actinovate – SP

Actinovate SP is a completely soluble biological fungicide that colonizes in the root system to give suppression and control of many root rot and damping-off fungi and other foliar fungal pathogens.



No agitation is required and may be mixed with other pesticides and fertilizers. Control of many soil borne fungi such as Fusarium, Rhizoctonia, and Pythium are controlled as well as several foliar fungi such as Powdery and Downy Mildew, Botrytis, and many others. It is labeled for greenhouses, nurseries, interiorscapes, and turf.

ITEM #	SIZE	#/CS	REI
ACTINSP18	18 oz.	12	1

Aliette WDG

Used for the suppression of diseases caused by Pythium and Phytophthora on bedding plants and ornamentals in field nurseries, greenhouses, and in landscape situations. It will also suppress certain Bacterial Blights on ornamentals and controls Pythium Blight on turf.

ITEM #	SIZE	#/CS	REI
ALIET55	5.5 lb		12

Barrot



Broad spectrum fungicide for control of soil borne fungi. It contains the same active ingredient of Truban plus a systemic fungicide for the control of Pythium, Phytophthora, Rhizoctonia, Fusarium, and Thielaviopsis. The wettable powder is used as a soil drench at the time of seeding and transplanting as well as a periodic drench. The granular must be incorporated into the soil.

ITEM #	SIZE	#/CS	REI
SIEBAN2*	2lb. WP	6	12
SIEBANG40	40 lb. Bag	-	12

*Truck line only

Bayleton (See Strike)

Camelot

A broad spectrum, low residue fungicide/bactericide. It is a unique copper soap having the advantage of needing less copper for better control through superior coverage, easier absorption by the disease pathogen. Labeled for use in Greenhouses, Nurseries, Garden Centers and Landscapes.



ITEM #	SIZE	#/CS	REI
CAMELOT1	1 Gal.	4	12

Captan



A broad spectrum fungicide with limited registrations for use on floral crops. Can be used as a pre-plant treatment for preventing damping-off and root rot diseases.

ITEM #	SIZE	#/CS	REI
CAPTAN505	5 lb.	10	48

Chipco 26019

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. Labeled for many types of Leaf Spots, Leaf Blights, Fusarium, and Rhizoctonia on over 80 different ornamentals.



ITEM #	SIZE	#/CS	REI
CHIPCO2	2 lb.	6	12

Cleary 3336

An excellent systemic fungicide for the prevention and control of Dollar Spot, Copper Spot, Brown Patch, Red Thread, Fusarium Roseum, Leaf Spot, and Stripe Smut. It is also approved for use on roses, flowers, ornamental and shade trees. Very effective for Black Root Rot on Pansies, Poinsettias, and Geraniums.



ITEM #	SIZE	#/CS	REI
CL333628	2 lb. WP (4X8 oz.)	6	12
CL3336Q	Qt.	12	12
CL33361	Gal.	4	12
CL333625	2 1/2 Gal.	2	12

Compass O

A mesostemic fungicide that offer both contact as well as translaminar control at very low rates. For use on Ornamentals grown in the greenhouse, nursery, and interiorscapes for control of Powdery mildew, Botrytis, Anthractnose, Septoria Leaf Spot, Myrothecium, Rust, Scab, Blackspot, Downy Mildew, and Rhizoctonia.



ITEM #	SIZE	#/CS	REI
COMPASS1	1 lb.	4	12

FUNGICIDES

Decree

DECREEE is a protectant fungicide with locally systemic activity, when applied early in the disease life cycle inhibits the infection process to effectively control Botrytis on ornamentals. For control of Botrytis Disease in ornamentals, forestry conifers, non-bearing fruit trees and vines and for the suppression of Powdery Mildew on ornamentals.



ITEM #	SIZE	#/CS	REI
DECREEE25	2.5 lb.	4	12

Dithane T & O 75DF



A broad spectrum protectant fungicide that is recommended for outdoors or greenhouse grown crops including many turf grasses, ornamentals, and agricultural crops. Best control is obtained when applied in a regularly scheduled preventative spray program. The addition of a surfactant such as a spreader sticker will improve performance. Controls Dollar Spot, Powdery Mildew, Botrytis, Alternaria Leaf Spot, Anthracnose, and Black Spot.

ITEM #	SIZE	#/CS	REI
DITHANETO	12 lb.	4	24



Exotherm Termil

A special fungicide formulated for use on certain ornamental and greenhouse tomatoes. Eliminates messy mixing and time consuming spraying. Just one 100 gram can treats 1,000 sq. ft. quickly and conveniently. Just pop the top of the can and light with a butane torch. Ventilate the following morning.

ITEM #	SIZE	#/CS	REI
RIGEXT1	100 GramCans	-	48
RIGEXT24	24/Cs.	-	48
RIGEXT246	6 Cs/ Master	-	48

Green-Shield

A horticultural disinfectant for use in and on benches, pots, tools, walkways, overhead watering systems, and evaporative coolers. Kills and prevents bacterial, fungal, and viral organisms and algae. E.P.A. Registered.



ITEM #	PRICE	#/CS	REI
PT20001	Gal.	4	0
PT200030	30 Gal. Drum	-	0

Heritage



Broad spectrum, preventative fungicide with systemic and curative properties for the control of many important plant diseases on turf, ornamentals and landscapes. May be applied as a foliar spray in alternating spray programs or in tankmixes with other registered turf and ornamental protection products.

ITEM #	SIZE	#/CS	REI
HERITAGE1	1 lb.	6	4

Kocide 2000 TNO

Copper based, dry flowable fungicide/ bactericide. Controls bacterial and fungal diseases of foliage, flowers and stems on ornamentals in greenhouses, shadehouses, nurseries and landscapes.

ITEM #	SIZE	#/CS	REI
KOCIDETO	3lb.	16	24

Medallion



For use on ornamentals that may be applied as a foliar spray, a soil drench, or mixed with the potting media. Effective at low application rates on Leaf Spot, Leaf Blight, Stem and Root Rot diseases caused by Rhizoctonia, Botrytis, Alternaria and Fusarium.

ITEM #	SIZE	#/CS	REI
MEDALLION8	(4) 8 X 1 OZ.	4	12

Phyton 27

Phyton 27 Bactericide/Fungicide is a systemic, soluble liquid copper complex. Labeled for the control of Botrytis, Erwinia, and Powdery Mildew on Poinsettias throughout the production cycle.

ITEM #	SIZE	#/CS	REI
PHYTON278	8 Oz.	24	24
PHYTON27L	Liter	12	24
PHYTON271	Gal.	4	24

Spectro 90 WDG

Cleary 3336 and Daconil have been combined into one product. For prevention and control of fine turf diseases and diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, deciduous and evergreen trees and shrubs.

ITEM #	SIZE	#/CS	REI
SPECTRO5	5 lb.	4	12

FUNGICIDES

Stature DM

An oomycete fungicide for the control of Downy Mildew, Aerial Phytophthora, Phytophthora root, crown, and stem rots. Spray and drench applications for indoor and outdoor herbaceous and woody ornamentals.

ITEM #	SIZE	#/CS	REI
STATURE DM	1 lb.	10	12

Strike

A broad spectrum systemic fungicide labeled for over 85 different ornamental plants to control Flower Blight, Leaf Blight/Spots, Powdery Mildew, Rusts, and Tip Blight. Same active ingredient as Bayleton.



ITEM #	SIZE	#/CS	REI
OCSTR	8oz.	12	12

Subdue Maxx



A systemic fungicide used for control of diseases caused by Pythium and

Phytophthora on foliar plants, bedding plants, flowers, conifers (including Christmas Trees), turf, ornamentals, landscaping and interiorscaping. May be applied as a soil drench, a soil surface spray or mixed with potting media.

ITEM #	SIZE	#/CS	REI
SUBDUEM32	QT.	12	0
SUBDUEM1	Gal.	2	0

Terraclor 75 WP

A preventative fungicide for use as a soil treatment against Rhizoctonia, Botrytis, and Sclerotinia in nurseries, greenhouses, and field grown ornamentals.



ITEM #	SIZE	#/CS	REI
TERRACL5	5lb.	8	12
TERRACL1	Gal.	4	12

VOLUME AND LIQUID MEASURE

3 teaspoons = 1 tablespoon = 14.8 cc
 2 tablespoons = 1 fluid ounce = 29.6 cc
 8 fluid ounces = 16 tablespoons = 1 cup = 236.6 cc
 2 cups = 32 teaspoons = 1 pint = 473.1 cc
 2 pints = 64 teaspoons = 1 quart = 946.2 cc
 1 liter = 33.81 ounces = 0.2642 gallons = 1000cc
 4 quarts = 256 tablespoons = 1 gallon = 3785 cc
 1 gallon = 128 fluid ounces = 231 cubic inches

Terraguard 50W

Systemic fungicide used for prevention and control of Rhizoctonia root rot, Thielaviopsis, Cylindrocladium, powdery mildew and leaf spots on ornamental plants grown in commercial structures such as greenhouses, shadehouses and interiorscapes. Can be used as a cutting soak, soil drench, foliar spray or through chemigation.

ITEM #	SIZE	#/CS	REI
TERRGUARD2	2 lb.	6	12

Terrazole 35 WP

A soil fungicide used for prevention and control of damping off, root and stem rot diseases caused by *Pythium* and *Phytophthora* species in turf, ornamentals and nursery crops.



ITEM #	SIZE	#/CS	REI
TERRAZ2	2 lb.	6	12

Truban



A soil fungicide for the control of diseases caused by Pythium and Phytophthora. Gives long lasting control and is sunlight stable. Labeled for many popular bedding, foliage, container, and bed grown plants. Used as a soil mix or a drench.

ITEM #	SIZE	#/CS	REI
SIETRUB2	2 lb.	6	12
SIETRUB32*	Qt.	4	12
SIETRUB40	40 lb.	-	12

*Truck Line Only

Zerotol



A broad spectrum algaecide/fungicide that treats, controls and prevents Anthracnose, Pythium and Fusarium, Rhizoctonia, algae and slime molds. May be used as an algaecide/fungicide on all types of turf grasses, plant material, equipment and structures. Do not apply this product through any irrigation system unless directed by the label.

ITEM #	SIZE	#/CS	REI
ZEROTOL25	2 ½ Gal.	2	0

Zyban

An excellent broad spectrum fungicide which gives immediate contact action plus long lasting systemic control. Contains two types of fungicides which are proportioned for many herbaceous and woody ornamentals.

ITEM #	SIZE	#/CS	REI
SIEZYB12	3# - 4x12 oz. WSP	4	24

GROWTH REGULATORS

A-Rest

A-Rest is a plant growth regulator which effectively reduces internode elongation resulting in more desirable, compact plants. When used as directed, A-Rest produces no phytotoxic effects on container grown lilies, poinsettias, chrysanthemums, dahlias, and tulips. Can be used as a drench or a foliar spray.



ITEM #	SIZE	#/CS	REI
ELAREST32	Qts	12	12

B-Nine WSG

By eliminating scraggly growth and neckiness, B-Nine SP produces beautiful, compact plants that are easy to ship and bring a good price. Plants have shorter internodes, so they grow more compactly and even show resistance to drought. Use on mums, azaleas, bedding plants, hydrangeas, gardenias, and poinsettias. **NO LONGER LABELED FOR TOMATO TRANSPLANTS.** B-Nine is easy to mix and spray. May now be tank mixed with Cycocel.

ITEM #	SIZE	#/CS	REI
UNIB91	1 lb	12	24
UNIB95	5 lbs	8	24

Bonzi

Bonzi is a plant growth regulator specifically labeled for use on certain bedding plants, geraniums, poinsettias, and certain varieties of pot chrysanthemums. When used as directed, Bonzi produces no phytotoxic effects.

ITEM #	SIZE	#/CS	REI
UNIBONZI	Qts	6	12

Cycocel

Cycocel produces a more compact poinsettia and will generally have stronger stems, deeper green foliage, and richer red bracts. Cycocel is also used to induce early flowering of seed geraniums grown in greenhouses, and also to reduce shoot growth and improve flowering of greenhouse grown hibiscus. May be used on certain azaleas to produce a more compact symmetrical plant.

ITEM #	SIZE	#/CS	REI
ACYCO1	Gallon	4	12
ACYCO32	Qts.	4	12

Florel/Pistill

Florel is used in the production of cucumber, squash, and pumpkin seed, increasing flowering of bromliads, earlier ripening of home garden tomatoes, and for reducing plant height of potted daffodils and stem topple of potted hyacinths. Pistill is labeled for Geraniums.



ITEM #	SIZE	#/CS	REI
FLOREL32	Qts.	12	12
FLOREL1	1 Gal.	4	12

Piccolo

Piccolo is a plant growth regulator for use on commercially grown ornamental plants grown in containers in nurseries and greenhouses which reduces internode elongation resulting in more desirable, compact plants. When used as directed, Piccolo produces no phytotoxic effects. Can be applied by spray, drench or bulb soak.

ITEM #	SIZE	#/CS	REI
PICCOLO32	Qts	12	12



Pro-Gibb (4%)



Use on grapes, navel oranges, blueberries, artichokes, cherries, & many others to promote larger fruits, a decrease or increase berry set, thin fruits & delay aging of rind. Liquid concentrated gibberellic acid.

ITEM #	SIZE	#/CS	REI
PROGIBB32	Qt.	12	4

Sumagic

An extremely active plant growth regulator for use as a foliar spray in commercial greenhouses, lath and shade houses. For use on poinsettias, bedding plants (DO NOT USE ON BEGONIAS), Easter lilies, mums and azaleas. Extreme caution must be exercised in measuring, diluting, and applying.



ITEM #	SIZE	#/CS	REI
SUMAGIC	Qts.	4	12
SUMAGIC1	Gal.	1	12

HERBICIDES



2,4-D

For the SELECTIVE control of many broad-leaved weeds in non-crop areas and in certain crops. Labeled for use on ornamental turf grass, seed crops, established pastures and rangeland, and for general weed control on fence rows, airfields, roadsides, industrial sites and similar non-crop areas. RESTRICTED IN FL, LA, MS, & AR

ITEM #	SIZE	#/CS	REI
24D25	2-1/2 Gal	2	48

Gly Star



A NON-SELECTIVE post-emergent that will translocate into the root system, killing the entire plant.

ITEM #	SIZE	#/CS	REI
Glystar25	2 ½ Gal	2	4
Glystar30	30 Gal	-	4

MSMA (RIVERSIDE)

For NON-SELECTIVE post-emergent control of broad leaf weeds and grasses such as dallgrass, crabgrass, Johnson grass and nutsedge.

ITEM #	SIZE	#/CS	REI
MSMA	Gallon	4	12

Ronstar

A SELECTIVE pre-emergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a wide variety of woody ornamental shrubs, vines, and trees. Ronstar controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

ITEM #	SIZE	#/CS	REI
RONSTAR5	Gran. 50 lbs	-	12

Round Up (See Gly Star)

HELPFUL INFORMATION

1 lb/Acre = 2 ½ Tsp
 10 lbs./Acre = ½ Cup/100 sq ft
 100 lbs./Acre = 2-1/4 lbs/1000 sq

Snapshot



A pre-emergent herbicide for control of certain broadleaf weeds and annual grasses in landscape ornamentals, container grown ornamentals, ground covers, nursery stock, and non-bearing fruit and nut crops. Apply late summer, early fall, or early spring. Broad weed and plant use label.

ITEM #	SIZE	#/CS	REI
SNAPSHOTG	2-1/2%,50 lb	-	12

Surflan



Pre-emergent SELECTIVE liquid herbicide for the control of most annual grasses and certain broadleaf weeds. Used on both container grown and field grown nursery stock, ornamental trees and groundcovers as well as under greenhouse benches. Recently labeled for southern turf, golf courses, and lawns.

ITEM #	SIZE	#/CS	REI
SURFLAN32	Qt.	12	24
SURFLAN25	2-1/2 gallon	2	24

Vantage

Use to control grasses in non-bearing food crops, ornamental and nursery planting (including certain bedding plants and ground crops), rights-of-ways, and non food crop areas. Does not control sedges or annual bluegrass.



ITEM #	SIZE	#/CS	REI
VANTAGE1	gallon	12	12

XL 2G



A SELECTIVE pre-emergent herbicide for control of most annual grasses and certain broadleaf weeds in container and field grown ornamentals, landscape ornamentals, ground covers, and many established warm season turf grasses. Contains Surflan. Broad ornamental label.

ITEM #	SIZE	#/CS	REI
XL2G	50 lbs	-	24

INSECTICIDES

Adept

Insect Growth Regulator (IGR) for the control of fungus gnats, shore flies and foliar feeding pests found on ornamental crops grown in greenhouses, shadehouses and interiorscapes.



ITEM #	SIZE	#/CS	REI
ADEPT1	1 lb.	12	12

Akari



Provides control against all stages of mites with main activity on larvae, nymphs and adults. Gives fast knockdown within one day with good residual activity. Mites treated become paralyzed resulting in stop feeding and egg laying. Should be used in a rotational miticide program with at least 2 different chemicals from different chemical families. Labeled for use in greenhouses only.

ITEM #	SIZE	#/CS	REI
AKARI32	Quart	6	12

Amdro

Controls Imported Fire Ants. Slow acting, but very effective as it attacks the queen, which will get rid of the mound.



ITEM #	SIZE	#/CS	REI
AMDRO	1 lb.	24	12
AMDRO25	25 lb.	-	12

Avid

For control of Leafminer and Two-Spider Mite on flower crops, foliage plants, and other non-woody ornamental plants. Phytotoxicity has been observed on certain species of ferns. No unsightly residue and no offensive odor. Has expanded its labeling to include suppression of aphids, thrips, and whiteflies. Ideal product for rotation programs.

ITEM #	SIZE	#/CS	REI
MERAV8	8 Oz.	20	12
MERAV32	Quart	4	12

Award



Very effective Fire Ant bait. An insect growth regulator which inhibits egg laying by the queen, stopping worker ant reproduction. Colony dies within 30-90 days without worker replacement.

ITEM #	SIZE	#/CS	REI
AWARD3	3 lb.	6	12
AWARD25	25 lb.	-	12

Azatin XL



Azatin XL Biological Insecticide is an insect growth regulator with excellent activity against whitefly, fungus gnat, aphid, leafminer and armyworm. In addition, when used in a tank-mix with an adulticide such as Decathlon 20% WP, mite, scale, and mealybug can be effectively controlled. Azatin XL works by interfering with the key molting hormone, ecdysone, preventing insects from progressing from one life stage to the next.

ITEM #	SIZE	#/CS	REI
AZATIN32	Quart	6	4

Citation



Provides control of selected insects including Dipterous leafminers, shore flies and fungus gnats on ornamentals and bedding plants grown in greenhouses, lath and shadehouses, nurseries, interiorscapes and landscapes. Does not harm insect predators used in insect management programs

ITEM #	SIZE	#/CS	REI
CITATIONW	6x2.66 oz.	8	12

Conserve SC

For control of lepidopterous larvae and Dipterous leafminer infesting turf and ornamentals. Also labeled for fire ants.



ITEM #	SIZE	#/CS	REI
CONSERVE32	Quart	4	4

Decathlon 20 WP



A non-systemic pyrethroid, which is highly effective at very low rates. Fast knockdown with good residual activity. (Not registered in AR, KY, LA)

ITEM #	SIZE	#/CS	REI
OCDECA	1/2 lb.	12	12

INSECTICIDES

Dipel (Bacillus Thuringiensis)



A biological insecticide intended for use against worms, caterpillars, and other chewing larvae. Dipel works quickly by paralyzing the digestive system, causing death within a few days.

ITEM #	SIZE	#/CS	REI
ABBTDF	1 Lb. (DF)	30	4

Distance (Insect Growth Regulator)

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. Since Distance is an IGR and activity depends on the insects development, evidence of activity will be slower than with typical contact insecticides.



ITEM #	SIZE	#/CS	REI
DISTANCE32	Quart	4	12



Disyston 15G (Disulfoton)

Controls aphids, lace bugs, mites, leafhopper, thrips, whitefly, and mealybugs on certain outdoor ornamentals. Highly toxic to warm blooded animals. No greenhouse use.

ITEM #	SIZE	#/CS	REI
DISY14	14 Lb.	2	48-72



Duraguard

A time-release, broad spectrum, water based, microencapsulated form of Dursban. Provides excellent control of aphids, fungus gnat larvae, and thrips. Can be used in greenhouses, garden centers, interiorscapes, florists, hobby greenhouses, landscapes, and nurseries. Use at a rate of .25 - .5 ozs. per gallon.

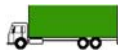


ITEM #	SIZE	#/CS	REI
PT13251	Gal	4	24

Dursban 50W



Broad spectrum insecticide controls more than 280 insects. Labeled for use on ornamentals grown outdoors or in nurseries.



ITEM #	SIZE	#/CS	REI
FDUWSP	7x4oz.	8	24

Endeavor



Controls aphids and whiteflies on ornamentals in field nurseries, greenhouses and in interiorscape situations. These insects stop eating within hours, but remain on plants for 2-4 days. Residuals will control insects that move onto plants after spraying.

ITEM #	SIZE	#/CS	REI
ENDEAVOR	6 x 2.5 oz.	8	12

Enstar II

Insect growth regulator for control of whiteflies, aphids, soft bodied and armored scale, fungus gnats, and mealybugs in greenhouses, and interiorscapes on ornamental plants.



ITEM #	SIZE	#/CS	REI
SANSTARII	5 oz.	24	4

Flagship WG25



Broad spectrum insecticide that can be applied to the foliage and soil. Active against many sucking and chewing insects by contact and ingestion. Excellent knockdown with residual control. Feeding stops within minutes to hours followed by death. Can be applied to ornamental plants grown in greenhouses, lath and shadehouses, containers, field nurseries, non-bearing fruit trees and Christmas trees.

ITEM #	SIZE	#/CS	REI
FLAGSHIP8	8 oz.	8	12

Floramite SC

Floramite is a selective miticide for the control of a variety of mite pests on greenhouse, shadehouse, nursery, field, landscape and interiorscape grown ornamentals. Relatively inactive against predacious insects and beneficial mites. Recently labeled for use on greenhouse grown tomatoes.



ITEM #	SIZE	#/CS	REI
FLORAMITEQT	QT.	8	12

INSECTICIDES

Gnatrol

A highly selective biological insecticide for use against fungus gnat larvae. Does not control adult organisms. May be used on ornamentals in greenhouses or potting media.



ITEM #	SIZE	#/CS	REI
ABBT25	2 1/2 Gal.	2	4

Insecticidal Soap



A spray that kills aphids, mites, and mealybugs. It best used when insects are newly hatched and can be used on fruits; vegetables; flowers; shade, nut, and fruit trees; ornamentals and most greenhouse plants.

ITEM #	SIZE	#/CS	REI
MPEDE25	2 1/2 Gal. (M-Pede)	2	12

Judo



Controls mites and whiteflies on ornamentals, flowers and foliage plants in greenhouses and field and container nurseries. Active on all mite development stages. Effective against whitefly nymphs and pupal stage. Good coverage of upper and lower leaf surfaces is recommended. An adjuvant may be used to improve coverage on hard to wet foliage.

ITEM #	SIZE	#/CS	REI
JUDO8	8 oz.	6	12

Kelthane 50WP



A good, effective miticide that gives a high initial kill against most species of agricultural mites. Labeled for certain ornamentals, flowers, nursery stock, and shade trees. Also labeled for some fruits and vegetables.

ITEM #	SIZE	#/CS	REI
KELTO3	3 Lb.	8	48

Malathion



Organophosphate insecticide for use on certain ornamentals, vegetables, fruits and nuts. Listed to control a wide variety of insects.

ITEM #	SIZE	#/CS	REI
MAL1	Gallon.	4	12

Marathon

Marathon 1 % Granular Insecticide is a systemic product which will translocate upward within the plant system. Gives long lasting control of thrips, aphids, mealybugs, and whiteflies, on ornamental plants both indoors and outdoors. A 100 gram pouch will treat approximately 6,000 6" pots and is roughly equivalent to 13.1 lb. of the granular.



ITEM #	SIZE	#/CS	ERI
OCMAR5	5 Lb.	4	12
OCMAR60	100 gr. WP (5-20gr. Packets)		12

Marathon II

A flowable that allows for a foliar spray application of Marathon on ornamentals and vegetable plants for resale grown in the greenhouse or nursery. With very low rates Marathon as a spray offers 3-4 weeks of control on sucking and piercing insects including aphids, whiteflies, and thrips. Should be used in a rotational program.

ITEM #	SIZE	#/CS	REI
ORMARII	250 ml	12	12

Mavrik



Combines broad spectrum activity against insect and mite pests with phytotoxic safety to tested ornamental plant species. Controls aphids, thrips, whiteflies, and caterpillars at low rates. Will control mites at a higher rate.

ITEM #	SIZE	#/CS	ERI
SANMAV3	Quart.	12	12

Merit

Systemic product for control of aphids, scale, mealybugs and other sucking pest on ornamentals in commercial and residential landscapes and interiorscapes. Can be used as a soil drench, soil injection, foliar application or broadcast spraying. Not labeled for greenhouse use.



ITEM #	SIZE	#/CS	REI
MERIT7520	2 oz.	8	12
MERIT75W	4x1.6oz	4	12

INSECTICIDES

Orthene

(Tree, Turf, & Ornamental)

Excellent organophosphate insecticide for control of aphids, bagworms, lacebugs, leafroller scale (crawlers), thrips, mealybugs, and whiteflies. Can be safely used on most varieties of trees, shrubs, mums, poinsettias, roses, cacti, and carnations.



ITEM #	SIZE	#/CS	REI
ORTHTO97	0.773 Lb.	12	24



Pylon

Translaminar systemic abilities, offers contact control with long residual control. Gives excellent control of most mite species.

ITEM #	SIZE	#/CS	REI
PYLON16	pint	6	12

Safari

A new generation systemic insecticide provides growers with quicker knockdown and longer residual control on a broader spectrum of sucking insects including whitefly, aphid, scale, fungus gnat and mealy bug. For use on indoor and outdoor ornamentals in greenhouse, nursery and landscapes. Can be used as a drench, foliar spray or chemigation.

ITEM #	SIZE	#/CS	REI
SAFARI3	3 lbs	4	12



Sanmite

Controls mites and whiteflies on ornamentals, flowers and foliage plants. Provides excellent knockdown and residual control. Evaluation of performance can be made 4-7 days after treatment. Works on the nervous system, blocks cellular respiration, causing pests to lose mobile coordination and collapse. Should be used in a rotational miticide program.



ITEM #	SIZE	#/CS	REI
SANMITE	(4 x1 oz.)	4	12



Scimitar

Broad spectrum insecticide for ornamental plants grown in nurseries, greenhouses, shadehouses, and on ornamentals and lawns in landscapes. Also kills fire ants.

ITEM #	SIZE	#/CS	REI
SCIMITAR32	Qt.	8	24

Sevin

A carbamate insecticide moderately toxic to warm-blooded animals. Kills ants, aphids, beetles, leafhoppers, lacebugs, scale, mealybugs, sod webworms, leafminers, and many other common garden, tree, and shrub insects.



ITEM #	SIZE	#/CS	ERI
SEV505	5# 50% WP	10	12

Sluggo

A unique blend of an iron phosphate with slug and snail bait additives. Ingestion cause them to cease feeding and begin to die within three to six days. This product is effective against a wide variety of slugs and snails and will give protection to home lawns, gardens, greenhouses, outdoor ornamentals, vegetable gardens and seed plants.



ITEM #	SIZE	#/CS	REI
SLUGGO5	5 lbs	6	0
SLUGGO40	40lbs	-	0

Slug-It! Concentrate

All weather formula last longer under wet conditions.

ITEM #	SIZE	#/CS	REI
SLUGGOPT	Pt.	12	0

INSECTICIDES

Sticky-Strips (INSECT MONITORING CARDS)

Use to monitor flying insects such as winged aphids, fungus gnat adults, shore flies, and whiteflies. Start with one card per 500 sq. ft. Change weekly and record insect catch data. Measures 3" x 5".

ITEM #	SIZE	#/CS	REI
PTSENSOR	3x5 Cards, 48/PKG	15	0

Sunspray

Horticulture spray oil for control of aphids, lace bugs, leafhoppers, leaf miners (larvae), mealybugs, mites, scale, and whitefly on vegetables, fruits, certain field crops, shrubs, trees, greenhouse plants, ornamental foliage plants and flowers. Can be applied up to day of harvest.

ITEM #	SIZE	#/CS	REI
MSUN25	2 1/2 Gal.	2	4

Talus

Offers several including a unique IGR mode of action, a broad label, outstanding crop safety, and safety to beneficial insects. Broadly labeled for applications on ornamental plants grown in greenhouses, lath & shadehouses, nurseries, landscapes, ground covers, greenhouse tomatoes, nonbearing fruit & nut trees, vines in nurseries, and Christmas Trees.



ITEM #	SIZE	#/CS	REI
TALUSIGR	0.9 lb	10	12



Talstar



A synthetic pyrethroid for use on greenhouse grown ornamental trees, shrubs, plants, flowers, and non-bearing fruit and nut trees. Labeled for over 30 different insects including aphids, whitefly, mealybug, spider mites, and armyworms.

ITEM #	SIZE	#/CS	REI
TALSTAR32	Qt. (Flowable)	4	12

Talstar Granular (See Tirade)



Tame



Insecticide-Miticide for control of greenhouse whitefly, aphids, mealybugs, and spider mites, to use on mums, bedding plants, geraniums, and poinsettias. Can be tanked mixed with Orthene T N O for the control of the sweet potato whitefly.



ITEM #	SIZE	#/CS	REI
TAME32	Quart	12	24

Tempo (See Decathlon)

Tirade Nursery Fac

For as a quarantine treatment against imported Fire Ants by soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and non-bearing fruit and nut trees, and bushes.

ITEM #	SIZE	#/CS	REI
TIRADE	50 #	-	12

Tristar

Broad spectrum, translaminar, systemic insecticide controls Aphid, Sawfly, Leaf Miner, Mealybug, Leafhopper, Whiteflies and Thrips on Ornamental, Bedding plants, Foliage plants and Non-bearing fruit and nut trees. Complete life cycle control, from egg to adult.



ITEM #	SIZE	#/CS	REI
TRISTAR6	(6x.564 oz)	16	24

Wasp Freeze

A 17.5 oz. aerosol can that freezes wasps instantly from a 10 foot distance. It causes immediate reduction in body temperature followed by paralysis and suffocation.



ITEM #	SIZE	#/CS	REI
PT51517	17.5 oz. spray can	12	0

SMOKE FUMIGANTS

****Truck Line Only****



****No UPS****



****Truck Line Only****

For the small to medium grower, smoke generators are one of the most widely used methods of insect control. The temperature of the greenhouse should be between 75-80° F. Keep greenhouse closed 2 hours or overnight. Air completely before entering.

Volume of the greenhouse is determined by multiplying L x W x Average Height. (For most greenhouses, average height is center height plus sidewall height divided by two.) Choose the largest fumigator to give proper distribution of smoke 20-40 ft. apart

NOTE: The manufacturers of this products recommend that they be used within one year of the date of purchase.

Packed 12 Cans Per Case and Sold In "Case Lots Only"



Nicotine

For the control of aphids (green fly and black fly), and most thrips on greenhouse ornamentals, tomatoes, lettuce, and cucumbers.

ITEM #	SIZE
FULNIC10	10,000 Cu. Ft.
FULNIC20	20,000 Cu. Ft.



Thiodan

For the control of most aphids and adult whiteflies, including resistant strains, on greenhouse ornamentals, tomatoes and cucumbers..

ITEM #	SIZE
FULTH10	10,000 Cu. Ft.
FULTH20	20,000 Cu. Ft.

AEROSOL GENERATORS

Attain TR

Same active ingredient as Talstar. Labeled only for use in commercial greenhouses to control insects and mites in one easy application. Can be used in combination with PT1300 for tough-to-control aphids, thrips, and whiteflies.



ITEM #	SIZE	#/CS	REI
PT18002	2 oz.(3,000 ft ²)	12	12

1300 Orthene TR

An excellent general preventive insecticide for controlling thrip, aphids, caterpillars, certain types of scale, mealybugs, and whiteflies.



ITEM #	SIZE	#/CS	REI
PT13006	6 oz. (4,500 ft ²)	12	24

Duraplex TR

Total release insecticide labeled for use in garden centers and greenhouses on bedding plants, cut flowers, and foliage plants. Actively controls aphids, mites, scale, thrips, and whiteflies.



ITEM #	SIZE	#/CS	REI
DURAPLEX2	2 oz.(3,000 ft ²)	12	24

Preclude TR

Very effective insect growth regulator labeled for immature whiteflies and scale. It will disrupt the life cycle so that the nymphs don't become adults. Safe on most blooming plants.



ITEM #	SIZE	#/CS	REI
PRECLUDE2	2 oz.(3,000 ft ²)	12	12
PRECLUDE6	6 oz.(9,000 ft ²)	12	12

AEROSOL GENERATORS

Pyrethrum TR

Labeled for use on 30 different vegetable crops and 94 different ornamental and flowering plants.



ITEM #	SIZE	#/CS	REI
PT1100	6 oz.(9,000 ft ²)	12	12

Tame/Orthene TR

Ready-to-use, ultra low volume insecticide fogger that controls a wide variety of greenhouse insects, including mites.



ITEM #	SIZE	#/CS	REI
TME/ORTHEN1	16 oz.	12	24

1600 X-Clude

Provides a quick kill and long lasting residual activity on a large listing of troublesome insects. Can be used almost anywhere. Registered for use in the home, greenhouse, landscape, interiorscape, floral shop and garden center. Can be used indoors and out.



ITEM #	SIZE	#/CS	REI
PT160020	20 oz.	12	12

MISCELLANEOUS CHEMICALS

Activate PLUS

Water soluble surfactant designed for use in certain agricultural and horticultural sprays.

ITEM #	SIZE	#/CS
ACTVTEPL25	2 ½ Gallon	2

Aqua-Gro 2000

Aqua-Gro 2000 is a non-ionic wetting agent which prevents plant losses under dry or wet weather conditions. Dry soils and soil-mixes take water rapidly when treated. Excess moisture quickly drains from treated soils and soil-mixes. Water wets more uniformly in the root-zone and water use can be reduced by 30% to 50%. Aqua-Gro 2000 is non-toxic to plant material and micro-organism. Liquid form is known as PSImatric.

ITEM #	SIZE	#/CS
AQUA2ML1	1 Gallon	4
AQUA2M120	120 lbs	-
AQUA2ML25	2 ½ Gallon	2



Dip-N-Grow

A liquid concentrate that is easily diluted with water and has an exclusive, proven formula containing both rooting auxins recognized as root inducing (IBA and NAA).

ITEM #	SIZE	#/CS
DIP16	Pint *	12
DIP1	Gallon	4

* Ups – maximum of 2 pints at a time

Hormodin

A rooting powder that induces rapid rooting of cuttings and increases root growth. Three formulations— #1-easy to root cuttings, #2-medium to root cuttings, #3-hard to root cuttings.

ITEM #	SIZE	#/CS
HORMO1	1 lb can	12
HORMO2	1 lb can	12
HORMO3	½ lb can	12

Terramark

A temporary blue colorant used when applying liquid pesticides and water based fertilizers. Especially helpful when applying herbicides to mark areas applied.

ITEM #	SIZE	#/CS
TERR1	1 Gallon	

Horta-Sorb

Increases the water holding capacity of any soil mixture without causing over-watering problems. Horta-Sorb acts as a "babysitter" for plants, extending the period between watering.

ITEM #	SIZE	#/CS
HSORB1	1 lbs., Med.	4
HSORB3	3 oz., Lg.	60
HSORB4	4 lbs., Med.	10
HSORB55	55 lbs., Med.	1