

SPECIMEN LABEL

INSECT GROWTH REGULATOR FOR INDOOR AND OUTDOOR USE ON ORNAMENTALS, TURF (INCLUDING COMMERCIAL LAWNS), VEGETABLES, AND OTHER HORTICULTURAL CROPS

ACTIVE INGREDIENT:

Azadirachtin	4.5%
OTHER INGREDIENTS:	95.5%
TOTAL:	00.0%
This was durated as 0.00 Hz (175 m) of an additional HO a	

This product contains 0.39 lbs. (175 g) of azadirachtin per US gallon.

EPA Reg. No.: 70051-9-59807

If you have questions or comments regarding the use of this product, please call 1-800-356-4647.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle. If you do not understand this label, find someone to explain it to you in detail.

	FIRST AID
If in eyes:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
lf on skin or clothing:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
lf inhaled:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-tomouth, if possible. Call a poison control center or doctor for treatment advice.
If swallowed:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

OMRI LISTED For Organic Use

ORGANIC PRODUCTION

CAN BE USED IN

EPA Est. No.: 39578-TX-01

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes or clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton.
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them.

User Safety Recommendations

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product may be hazardous to fish and aquatic invertebrates. For terrestrial uses: Do not apply directly to water, or



Net Contents: 1 Quart (32 fl. oz.) (946 mL)

to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 4 hours. For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinylchloride (PVC), or Viton.
- Shoes plus socks.
- Protective Eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses including golf courses, and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

INSECTS AND OTHER PESTS CONTROLLED BY AZATIN O

Pea Aphid

Red Aphid

Rose Aphid

Wooly Apple Aphid

Potato Aphid

Aphids and Adelgids, such as: Apple Aphid Melon Aphid

Apple Aphid Blackmargined Aphid Cabbage Aphid Cotton Aphid Filbert Aphid Green Peach Aphid Cooley Spruce Adelgid Eastern Spruce Gall Adelgid Pine Bark Adelgid Wooly Hemlock Adelgid

INSECTS AND OTHER PESTS CONTROLLED BY AZATIN O (continued next column)

INSECTS AND OTHER PESTS CONTROLLED BY AZATIN O (continued)

Beetle Larvae, Weevil Larvae, and Grubs, such as:

Bark Beetles Bean Leaf Beetle Billbugs Black Vine Weevil Blister Beetles Bluegrass Weevil Boll Weevil Chafers *(see list below)* Chestnut Weevil Colorado Potato Beetle Cucumber Beetles Douglas Fir Beetle Elm Leaf Beetle Flea Beetles Japanese Beetle Japanese Weevil June Beetles May Beetle Mountain Pine Beetle Mexican Bean Beetle Pecan Weevil

Lilac Borer

Oak Borer

Mint Root Borer

Peachtree Borer

Linden Looper

Hornworms

Leafrollers

Lawn Armyworm

Linden Looper

Melon Rindworm

(see list below)

Pecan Nut Casebearer

Red-humped Caterpillar

Saltmarsh Caterpillar

Southern Armyworm

Navel Orangeworm

Melon Worm

Moth Larvae

Pickleworms

Rindworm

Pink bollworm

(see list below)

European Corn Borer

Pine Root Collar Weevil Potato Flea Beetle Southern Pine Beetle Strawberry Beetles Strawberry Root Weevil Strawberry Weevil Twig Girdlers White-fringed Beetle White Pine Weevil Wireworms

Borers, such as:

Azalea Stem Borer Bronze Birch Borer Dogwood Borer Dogwood Twig Borer Iris Borer

Bugs, such as: Boxelder Bug

Chinch Bug

Lygus Bugs Squash Bugs Stink Bugs (all types)

Cankerworms, such as:

Elm Spanworm Fall Cankerworm Spring Cankerworm

Soybean Looper

Spruce Budworm

Tobacco Budworm

Tobacco Hornworm

Tomato Fruitworm

Tomato Hornworm

Walnut Caterpillar

Western Grapeleaf

Skeletonizer

Western Spruce

Budworm

Armyworm

Armyworm

Yellowstriped

Western Yellowstriped

Southern Masked Chafe

Variegated Cutworm

Tomato Pinworm

Tent Caterpillar

Peach Twig Borer

Borer

Southwestern Corn

Squash vine Borer

Rhododendron Borer

Armyworms, Bollworms, Budworms, Caterpillars, Fruitworms, Loopers, Webworms, and Other Worms *(Lepidoptera larvae)*, such as:

Imported Cabbageworm

Armyworms Bagworms Beet Armyworm Bollworm Borers *(see list above)* Cabbage Looper Cabbage Butterfly Cherry Fruitworm Corn Earworm Cutworms (see list below) Dagger Moth Diamondback Moth Fall Armyworm Grapefruit Worm Grape Leaffolder Grapeleaf Skeletonizer Hickory Shuckworm

Chafers, such as:

European Chafer Northern Masked Chafer

Crickets, such as:

Cutworms, such as: Black Cutworm

Mole Cricket

Citrus Cutworm

Mormon Cricket

Rose Chafer

Climbing Cutworm Western Bean Cutworm

Grasshoppers and Locusts

Leaffolders and Leaftiers

Leafhoppers, such as:

Aster Leafhopper Grape Leafhopper Potato Leafhopper Variegated Leafhopper

INSECTS AND OTHER PESTS CONTROLLED BY **AZATIN 0** (continued next page)

		BY AZATIN O (continued)	INSECTS AND OT		
Leafminers, such as: Boxwood Leafminer Citrus Leafminer Elm Leafminer	Holly Leafminer Pea Leafminer	Serpentine Leafminer Vegetable Leafminer	Whiteflies, such Ash Whitefly Banded-wing White Bayberry Whitefly Citrus Whitefly	Cloudy-win	Whitefly
Leafrollers, such as: Blueberry Leafroller Filbert Leafroller Fruittree Leafroller	Grape Leafroller Obliquebanded Leafroller	Omnivorous Leafroller <i>Pandemis</i> Leafroller	,	PS ON WHICH AZ	
	Leanonei				
Leaf perforators Maggots (Fly larvae), Cabbage Maggot Caribbean Fruit Fly Crane Fly Fruit flies Fungus Gnat Hessian Fly March Elios, Crano F	, such as: Leatherjackets Mediterranean Fruit Fly Mushroom Fly Melon Fly Onion Maggot Oriental Fruit Fly lies, and Leatherjacket	Phorid Flies Seed Corn Maggot Sciarid Flies Shore Fly Walnut Husk Fly	 Greenhouses and orscapes,turf, nur- age and flowering bles, melons,strav plants raised for c non-bearing fruit t For all outdoor gr other field grown f 	series, and landscap plants, cut flowers vberries, and other fi commercial resale, a rees and grapevines rown non-food crop foliage, flowering an	ctures (inclu pes: For us , greens, sh ood crops r nd nursery). s including d ornamenta
Mealybugs	nes, and Leatherjacket	3	 Can be used indo soilless mixtures, 	or grown hydroponi	
Midges, such as: Chrysanthemum Gall Midge	Douglas Fir Midge	Rose Midge	Ornamental Plan Actinopteris	Chrysanthemum	Geranium
Millipedes			African Violet Ageratum	Cineraria Coleus	Gerbera Gladioli
Moth larvae, such as Artichoke Plume Moth Codling Moth Diamondback Moth European Pine Shoot Moth European Grapevine Moth	Gypsy Moth Light Brown Apple Moth Oriental Fruit Moth Pine Tip Moth Sunflower Bud Moth	Sunflower Moth Tiger Moth Tufted Apple Bud Moth Tussock Moth	Aglaonema Allamanda Algerian Ivy Alocasia Anthurium Aphelandra Artemisia Aster	Columbine Cyclamen Daffodil Dahlia Daisy Daylily Delphinium Dianthus	Gloxinia Gypsophi Hedera Hibiscus Hyacinth Hydrange Impatiens Iris
Nematodes (suppress	sion)		Aucuba Illex Azalea	Dieffenbachia Dracaena	lvy (all ty Lily (all ty
Phylloxera, such as:			Baby's Breath	Dusty Miller	Maidenha
Grape Phylloxera	Pecan Leaf Phylloxera	Pecan Stem Phylloxera	Begonia	Easter Lily	Mandavil
Psyllids, such as:			Bougainvillea Boston Fern	English Ivy Euphorbia	Marigold Narcissus
Asian Citrus Psyllid Pear Psylla	Potato Psyllid	Tomato Psyllid	Boxwood Brachycome Cacti	Fern Ficus Foliage Plants	Nasturtiu Orchid (a Pansy
Sawflies			Calabrese	Foxglove	Pelargoni
Scale insects, such a Azalea Bark Scale Black Scale Brown Soft Scale California Red Scale	Fern Scale Florida Red Scale Frosted Scales Green Scale	Purple Scale Rose Scale San Jose Scale Sugar Pine Scale	Caladium Calla Calathea Calendula Carnation	Freesia Fuchsia Gaillardia Gardenia	Peony Peperomi Petunia Philodeno
Calico Scale Camellia Scale Cottony-cushion Scale	Juniper Scale Pine Needle Scale	Tea Scale Wax Scale	Brassica (Cole) (Bok Choy Broccoli	Cauliflower Chinese Cabbage	Cavalo Bi Collards
Sowbugs (Pillbugs)			Broccoli Raab Brussels Sprouts	(Bok Choy, Gai Lon, Napa)	Kale Kohlrabi
Spittlebugs			Cabbage	σαι ευπ, παμά)	ποιπαρι
Chrips, such as	Malaa Thuir -	Their a ratesi	Bulb Vegetables		
Citrus Thrips Flower Thrips Gladiolus Thrips	Melon Thrips Onion Thrips Pear Thrips	<i>Thrips palmi</i> (Melon Thrips) Western Flower Thrips	Garlic Citrus Fruits, suc		Onion (all
Webworms, such as: Fall Webworm Garden Webworm		Sod Webworm	Calamondin Citrus citron Grapefruit	Kumquat Lemon Lime	Mandarin (Tange Orange (all typ

D BY AZATIN O (continued)

efly Sweetpotato Whitefly Variegated Whitefly Wooly Whitefly

CAN BE USED

and in the following situations: cluding lath and shade), interiuse on ornamental plants (folishrubs), herbs, spices, vegetaraised to harvest or food crop y stock (including bearing and

- ng non-bearing fruit trees and ntal plants.
- ay be potted, grown in soil or

Potted Plants, and other

Actinopteris African Violet Ageratum Aglaonema Allamanda Algerian Ivy Alocasia Anthurium Aphelandra Artemisia Aster Aucuba Illex Azalea Baby's Breath Begonia Bougainvillea Boston Fern Boxwood Brachycome Cacti Calabrese Caladium Calla Calathea Calendula	Chrysanthemum Cineraria Coleus Columbine Cyclamen Daffodil Dahlia Daisy Daylily Delphinium Dianthus Dieffenbachia Dracaena Dusty Miller Easter Lily English Ivy Euphorbia Fern Ficus Foliage Plants Foxglove Freesia Fuchsia Gaillardia Gardenia	Geranium Gerbera Gladioli Gloxinia Gypsophilla Hedera Hibiscus Hyacinth Hydrangea Impatiens Iris Ivy (all types) Lily (all types) Maidenhair Fern Mandavilla Marigold Narcissus Nasturtium Orchid (all types) Pansy Pelargonium Peony Peperomia Petunia Philodendron	Phlox Photinia Pinks Pittosporum Poinsettia Portulaca Primrose Pothos Rosemary Rose Rubberplant Salvia Schefflera Sedum Sampervivum Snapdragon Spathiphyllum Stock Syngonium Tulip Verbena Vinca Wandering Jew Yucca Zinnia
Carnation			
Brassica (Cole) C Bok Choy Broccoli Broccoli Raab Brussels Sprouts Cabbage	Cauliflower Cauliflower Chinese Cabbage (Bok Choy, Gai Lon, Napa)	Cavalo Broccolo Collards Kale Kohlrabi	Mustard Greens Mizuna Rapini Turnip Tops
Bulb Vegetables,	such as:		
Garlic	Leek	Onion (all types)	Shallot
Citrus Fruits, suc Calamondin Citrus citron Grapefruit	h as: Kumquat Lemon Lime	Mandarin (Tangerine) Orange (all types)	Pummelo Satsuma Mandarin

INSECTS AND OTHER PESTS CONTROLLED BY **AZATIN 0** (continued next column)

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CROPS ON WHICH AZATIN O CAN BE USED (continued)

Cucurbit Vegetables, such as:

Cucurbit Vegeta	bles, such as:		
Balsam pear	Citron Melon	Honeyballs	Pumpkin
(Bitter Melon)	Crenshaw	Honeydew	Squash
Cantaloupe	Cucumber	Mango Melon	(all types)
Casaba	Gherkin	Muskmelon	Watermelon
Chinese	Gourds		Other Melons
Waxgourd			
Fruiting Vegetal	oles, such as:		
Eggplant	Okra	Peppers (all	Tomatillo
Ground Cherry	Pepino	types)	Tomato
Herbs and Spice	es, such as:		
Allspice	Chives	Lemongrass	Rue
Angelica	Cilantro	Lovage	Saffron
Anise	Cinnamon	Mace	Sage
Annatto	Cloves	Marigold	Savory
Balm Basil	Coriander	Marjoram Mint	Spearmint Sweet Basil
Borage	Costmary Cumin	Mustard Seed	Sweet Bay
Burnet	Curry Leaf	Nasturtium	Tansy
Camomile	Dill	Nutmeg	Tarragon
Caper Buds	Fennel	Pennyroyal	Thyme
Caraway	Fenugreek	Pepper	Vanilla
Cardamom	Horehound	(Black or	Wintergreen
Cassia	Hyssop	White)	Woodruff
Catnip	Juniper Berry	Poppy Seed	Wormwood
Celery Seed	Lavender	Rosemary	
Leafy Vegetable		5 1 (0 1)	
Arugula	Chinese Spinach	Dock (Sorrel)	Purslane
Cardoon Celery	Corn Salad (Mâche)	Endive (Escarole) Fennel	Radicchio Rhubarb
Celtuce	Chrysanthemum	Lettuce	Spinach
Chervil	(Edible)	(all types)	Swiss Chard
Chinese Celery	Cress (all types)	Orach	ennee ennard
Chinese Celery	Cress (all types)	Orach Parsley	
Chinese Celery	Cress (all types) Dandelion	Orach Parsley	Photinia
Chinese Celery Ornamental Tree Andromeda Arborvitae	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple	Orach Parsley Ich as: Horse Chestnut Hydrangea	Photinia Pine (all types)
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper	Photinia Pine (all types) Pittosporum
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch	Photinia Pine (all types) Pittosporum Planetree
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel	Photinia Pine (all types) Pittosporum Planetree Poplar
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac	Photinia Pine (all types) Pittosporum Planetree Poplar Privet
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry Pome Fruits, su	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra Peach	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust	Orach Parsley Ich as: Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew Yucca
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry Pome Fruits, su Apple	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust ch as: Jujube Loquat	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra Peach Mayhaw	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew Yucca
Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry Pome Fruits, su Apple Crabapple	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust ch as: Jujube Loquat	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra Peach Mayhaw	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew Yucca
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Chinese Celery Ornamental Tree Andromeda Arborvitae Ash Aucuba Ilex Austrian Pine Azalea Beech Birch Birdsnest Spruce Blue Spruce Boxwood Butternut Cacti Camellia Ceanothus Cedar Chamaecyparis Cherry Pome Fruits, su Apple Crabapple Root and Tuber Beet (all types) Carrot Cassava	Cress (all types) Dandelion es and Shrubs, su Cotoneaster Crabapple Cyprus Dogwood Douglas Fir Elm Euonymus Ficus Firethorn Forsythia Hackberry Hawthorn Hemlock Hibiscus Hickory Holly Honey Locust ch as: Jujube Loquat Crops, such as: Dasheen (taro) Ginger Ginseng	Orach Parsley Horse Chestnut Hydrangea Juniper Larch Laurel Lilac Linden London Plane Magnolia Mandevilla Maple (all types) Mimosa Mountain Ash Myrtle Oak Pachysandra Peach Mayhaw Pear	Photinia Pine (all types) Pittosporum Planetree Poplar Privet Pyracantha Quince Rhododendron Rose Rubber Plant Spruce Sycamore White Cedar White Pine Yew Yucca Quince Sweet Potato Turmeric Turnip

CROPS ON WHICH AZATIN O CAN BE USED (continued)

Small Fruits and	d Berries, such as	8:	
Blackberry (all types) Blueberry Boysenberry	Currant Dew Berry Elderberry Gooseberry	Grapes (all types) Huckleberry Loganberry Olives	Olallieberry Raspberry Strawberry Youngberry
Stone Fruits, su Apricot Aprium Cherry (all types)	Nectarine Peach	Plumcot Pluot Prune	
Tree Nuts, such Almond Beech Nut Brazil Nut Butternut	as: Cashew Chestnut Chinquapin	Filberts (Hazelnuts) Hickory Nuts	Macadamia Pecan Pistachio Walnuts
Tropical and Su l Banana	btropical Fruits, s Plantain	such as:	
Turfgrass, such Annual Blue- grass Annual Ryegrass Bentgrass	as: Bermuda grass Centipede Grass Fescue Perennial Ryegrass	St. Augustine Grass Seashore Paspalum	Wheatgrass Zoysia Grass
Miscellaneous (Crops, such as:		
Artichoke Asparagus Birdseed Cacao Coffee Corn (all types)	Edible flowers Feijoa Figs Hops Guayule Kiwi	Mushrooms (all types) Palm Pawpaw Persimmon Pineapple	Pomegranate Tamarillo Tea Tobacco Waterchestnut Watercress
mportant not	e: This product	has been eval	uated for phyt

Important note: This product has been evaluated for phytotoxicity on a wide range of crops. However, since all combinations or sequences of pesticide sprays including fertilizers, surfactants and adjuvants have not been tested, spray a small area first to make certain that no phytotoxicity occurs.

PREHARVEST INTERVAL

AZATIN O can be applied up to and including the day of harvest (zero PHI). Individual state regulations may vary and should be consulted for allowable preharvest interval.

MODE OF ACTION

This product controls targeted insect larvae when they ingest or come in contact with it, by interfering with the insect's ability to molt. It is effective on all larval or nymphal stages. It also reduces crop damage by repelling and deterring feeding of all stages of insects.

SPRAY EQUIPMENT

Use any suitable application equipment that allows for uniform coverage of the targeted treatment area, such as hand- or power-operated spray equipment.

GENERAL APPLICATION DIRECTIONS

General Information

- Broad Spectrum Insect Growth Regulator Insecticide
- · Not for use in food-handling establishments.
- Shake well before using.
- Kills only immature stages (larvae or nymphs) of insects. Treated larvae may die as pupae.
- Make applications when pests first appear and are in their early larval stages. Repeat applications every 7 days or as needed.

- Botanical Insecticide Concentrate.
- Formulated for interiorscape use.
- For indoor and outdoor use.
- Spraying directly onto the pest and a longer duration of leaf wetting increases effectiveness. Apply in early to mid-morning or late afternoon.
- The pH of spray solution containing **AZATIN O** must be kept between 3 and 8. Use spray solutions within several hours of preparation for maximum effectiveness. Do not store diluted solution for later use.
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted material prior to root establishment. Do not apply to known spray sensitive plants without testing.
- **AZATIN O** has been found to be compatible when used in conjunction with most beneficial insects. Conduct a small trial to assure compatibility before using on a large scale.
- Use with care when applying near streams, ponds, lakes or bodies of water.
- Do not apply **AZATIN O** when weather conditions favor drift or the likelihood of runoff is high.
- For best results, add a spreader-sticker or oil-based adjuvant (such as methylated seed oil) at the label rate.

This product may be pre-mixed in a supply tank with water, fertilizer or other appropriate agricultural chemicals. Agitation is necessary (see Mixing Directions). Crop injury or lack of effectiveness can result if uniform distribution is not achieved.

When pest populations are high, use the higher label rates.

SPRAY APPLICATION:

High volume: If plant foliage is dense, use higher label rates and increase spray volume to obtain uniform and complete coverage. Low and ultra-low volume: Apply **AZATIN O** at rates of 4 to 16 fluid ounces per acre in a minimum of 3 gallons of water per acre. For best results, ensure uniform and complete plant coverage.

DRENCH APPLICATION:

AZATIN O is effective as a soil drench for control of soil dwelling insect larvae such as fungus gnats. It is also effective as a soil drench for control of both foliar and soil dwelling pests, particularly when alternated with foliar sprays of **AZATIN O**.

Apply **AZATIN O** in sufficient water and for sufficient duration so as to distribute the application rate evenly to the entire treated area.

Apply to moderately moist soils. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots.

CHEMIGATION:

Refer to the attached "Chemigation Bulletin" for use directions for chemigation. Do not apply this product through any irrigation system not specifically included in the Chemigation Bulletin.

MIXING DIRECTIONS:

AZATIN O must be mixed with water for application. Do not apply undiluted product to plants. For best results:

- 1. Use clean equipment and clean water.
- 2. Add 1/2 to 3/4 of total water volume to the tank and begin agitation.
- 3. Add pesticide to the tank.
- Add water up to full intended spray volume and mix thoroughly before applying.

- 5. Adjust pH of the spray solution to between 3 and 7, if necessary.
- 6. Apply pesticide mix immediately after mixing.
- 7. If the mixture is not applied immediately, agitate before application.
- 8. Thoroughly clean equipment following application.

TANK MIXTURES OR FLUID FERTILIZERS:

- 1. Before using this product in a tank mix with fertilizer or registered pesticide, determine compatibility by conducting a compatibility test with a small amount of each product.
- 2. Observe all cautions and limitations on labels of all products used in combination.
- 3. Follow all tank mix directions and observe limitations listed in the combination product(s) label.

COMPATIBILITY TEST:

Perform a compatibility test before tank mixing this product with other product(s) or liquid fertilizer(s). Fill three separate 1 quart jars with 1 pint of water and fertilizer. To a first jar add this product and mix well. To a second jar, add the desired other tank mix product(s) and mix well. To a third jar, combine this product with the other tank mix product(s) and mix well. If more than one product is used, add them separately with dry formulations first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix. For the appropriate amount of product for this test use the following:

<u>Dry products</u> - For each pound to be applied per acre, add 1.5 level teaspoons to each jar.

Liquid products - For each pint to be applied per acre, add 0.5 teaspoons or 2.5 ml to each jar.

Note any differences between the mixtures in the jars (compounds alone vs mixtures) after 15 minutes. Look for evidence of physical incompatibility such as clumping, precipitation, oily residues on the sides of the glass or other signs of incompatibility. If either mixture separates, but can be readily re-mixed, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, do not use the mixture.

TANK MIX COMPATIBILITY

AZATIN O Biological Insecticide has been found to be compatible with most commonly used fungicides, insecticides, and fertilizers. Check physical compatibility first by using the correct proportion of products in a small jar test. Then, test tank-mix combinations for phytotoxicity on a sample of plants prior to use. This must be done with combinations used before as environmental conditions can alter the interaction between compounds. *Due to the wide variation in climatic conditions, cultural practices, and other factors, the user assumes full responsibility for any crop damage or other liability resulting from the use of* **AZATIN O** *in a tank mix combination.* Do not mix **AZATIN O** with oxidizing agents such as bleach, or strong acids and bases as they will destabilize the product.

GENERAL DIRECTIONS FOR INTERIORSCAPES, ORNAMENTAL PLANTS, LANDSCAPES, TREES, SHRUBS, LAWNS, TURF, AND GREENHOUSES

For use to control whiteflies, thrips, mealybugs, leafminers, loopers, caterpillars, beet armyworms, aphids, and other pests on bedding plants, potted plants, foliage plants, ornamentals, trees, and shrubs in and around greenhouses, commercial nurseries, and interiorscapes.

For use to control insect pests of field-grown cut flowers and greens.

For use to control gypsy moths, weevils, psyllids, webworms, hornworms, spruce budworms, tent caterpillars, sawflies, and other pests on trees and shrubs in commercial landscapes.

AZATIN O may be used on fruits, vegetables, vegetable transplants, and herbs both inside and outside of the greenhouse.

Apply on a preventative 7 – day schedule or at the first sign of insect presence. This schedule is effective under low insect pressure. Under high insect pressure, apply every 3 - 4 days.

For Field-Grown Cut Flowers and other Field-Grown Ornamental Plants: Apply **AZATIN O** at 4 – 16 fluid ounces per acre in sufficient volume of water to achieve uniform and thorough spray coverage. For conventional ground application equipment, apply 30 – 100 gallons of spray mix per acre. For low volume application, apply 0.5 pint (8 fluid ounces) of **AZATIN O** per acre in sufficient water to provide adequate coverage.

For Use in Greenhouses, Landscapes, Interiorscapes, and Nurseries: Dilute AZATIN O at 4 - 16 fluid ounces per 100 gallons of water. Mix thoroughly. Apply at 25 - 40 psi with hand sprayer or 100 - 200 psi with power sprayer as a fine spray to all foliage and fruit surfaces to runoff (typically 1 - 2 gallons of spray solution per1,000 sq. ft.). Avoid excessive application.

For drench applications, use 8 - 16 fluid ounces of **AZATIN O** per 100 gallons of water and apply at the rate of 1 quart of diluted solution per square foot of growing media surface. Repeat at 14-day intervals during the growing season.

SPECIFIC PLANT/PEST DIRECTIONS:

Application Rates for Whiteflies and Other Key Insect Pests in Greenhouses (Including Lathe and Shade), Nurseries, Mushroom Houses, and Interiorscapes.

Apply **AZATIN O** at the indicated dilution rate per 100 gallons of water. Use 1-2 gallons of spray solution per 1,000 square feet to ensure adequate plant coverage.

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Pests controlled by AZATIN O	Rate of AZATIN O per 100 gallons of water	Remarks
Aphids	10 – 16 fl. oz.	Suppression of nymphs and adult feeding deterrence.
Black Vine Weevil	16 fl. oz.	Apply as soil drench against larvae.
Caterpillars & Worms, including: Armyworms, Bagworms, Cankerworms, Cutworms, Gypsy Moth, Leafrollers, Tent Caterpillars, and other Lepidoptera larvae	4 — 16 fl. oz.	For foliar application against larvae.
Fungus Gnats	8 fl. oz.	Apply as a soil drench for maggot control.
Leafminers	6 – 16 fl. oz.	For foliar application against larvae.
Mushroom Fly	16 fl. oz.	Apply as soil drench against larvae.
Western Flower Thrips	12 – 16 fl. oz.	Suppression of larvae and adult feeding de- terrence.

Application Rates for Whiteflies and Other Key Insect Pests in Greenhouses (Including Lathe and Shade), Nurseries, Mushroom Houses, and Interiorscapes. (continued)

Apply **AZATIN O** at the indicated dilution rate per 100 gallons of water. Use 1-2 gallons of spray solution per 1,000 square feet to ensure adequate plant coverage.

Pests controlled by AZATIN O	Rate of AZATIN O per 100 gallons of water	Remarks
Whiteflies, including: Greenhouse Whitefly, Silverleaf Whitefly, and Sweetpotato Whitefly	6 – 16 fl. oz.	Foliar application against nymphs. Spray should be direct- ed to undersides of leaves.
Others, such as: Leafhoppers, Sawflies	10 – 16 fl. oz.	For foliar application against larvae or nymphs. For leaf- hoppers, spray should be directed to undersides of leaves.

DIRECTIONS FOR REPELLING JAPANESE BEETLES FROM ROSE PLANTS

For best results, apply to roses at the first sign of Japanese beetle emergence in early summer at the rate of 0.5 pint of **AZATIN O** per 100 gallons of water.

AZATIN O is more effective when used as a preventative.

Spray to run-off, making sure to completely cover all parts of the plant, including buds and flowers.

Repeat application weekly, after rainfall or during periods of rapid plant growth as new growth that occurs after application is not fully protected. Continue applications as long as adult beetles are present.

Do not spray water directly onto foliage or otherwise wash off the leaves after treatment. This will reduce the effectiveness of the application.

After initial application, some beetles may be present on foliage but they will not feed on it.

DIRECTIONS FOR LAWNS AND TURF Surface-Feeding Insects:

For use to control cutworms, armyworms, sod webworms, crickets, chinch bugs,leafhoppers, and grasshoppers.

Apply at first sign of pest presence or damage to turf. Do not apply if rain is forecast within the next 24 hours.

Apply 1 quart – 3 gallons of **AZATIN O** per acre (or 0.75 - 9 fluid ounces per 1,000 square feet) using enough spray volume to obtain thorough coverage and penetration of the turf canopy. Use 2 - 5 gallons of diluted material per 1,000 square feet, or 50 - 100 gallons of diluted material per acre.

The treated area may be lightly irrigated for 3-5 minutes after application if desired to increase penetration of the turf surface. However, do not water turf again for 2 days after application.

Reapply as needed to maintain control of turf damage. Be sure to treat under shrubs and plants bordering houses or other structures.

Subsurface-Feeding Insects:

Mow and irrigate turf prior to application. The treated area may be lightly irrigated for 3-5 minutes after application if desired

to increase penetration of the turf surface. Do not water turf again within 24 hours after application. Do not mow again within 3 days after application.

For use to control white grubs (Japanese beetles, European chafers, dung beetles, June beetles, green June beetles, May beetles, annual white grubs, grub beetles, southern masked chafers, etc.) and crane fly larvae (leatherjackets):

- For white grubs, make application soon after adults emerge in summer (1 – 3 weeks after first sign of adults). Leatherjackets should be targeted as young larvae while feeding near the soil surface.
- Apply 1 quart 3 gallons of AZATIN O per acre (0.75 9 fluid ounces per1,000 square feet) using enough spray volume to obtain thorough coverage and penetration of the turf. Use 50 100 gallons of diluted material per acre, or 2 5 gallons of diluted material per 1,000 square feet.

For use to control mole crickets:

- Apply 1 quart 3 gallons of AZATIN O per acre (0.75 9 fluid ounces per 1,000 square feet) using enough spray volume to obtain thorough coverage. Use 2 5 gallons of diluted material per 1,000 square feet, or 50 100 gallons of diluted material per acre.
- For best results, apply when nymphs are small, in the early spring. If necessary, reapply at 1 2 week intervals.

For use to control billbugs:

- Apply in mid to late spring or at first sign of pest emergence or damage.
- Apply 1 quart 3 gallons of **AZATIN O** per acre (0.75 9 fluid ounces per 1000 square feet) using enough spray volume to obtain thorough coverage. Use 50 – 100 gallons of diluted material per acre, or 2 – 5 gallons of diluted material per 1,000 square feet.
- Reapply as necessary. Repeat treatment in early to mid fall to control possible second generation.

Nematodes:

Apply 1 quart – 3 gallons of **AZATIN O** per acre (0.75 – 9 fluid ounces per 1,000 square feet) using enough spray volume to obtain thorough coverage. Use 50 – 100 gallons of diluted material per acre. Use 2 – 5 gallons of diluted material per 1,000 square feet. Repeat as necessary.

DIRECTIONS FOR GREENHOUSE AND NURSERY-GROWN FOOD CROPS

Application Rates for Key Insect Pests of Vegetables Raised to Harvest (including Transplants for Commercial Resale), Fruits, and Nut Crops Grown in Greenhouses, Lath and Shade Houses, and Nurseries.

Apply **AZATIN 0** at the indicated rates in sufficient water to ensure adequate plant coverage. Use 1 - 2 gallons of spray solution per 1,000 square feet, or equivalent to a minimum of 30 gallons of water per acre for conventional application equipment (3 gallons of water per acre for low/ultra low volume equipment).

Pests controlled by AZATIN O	Rate of AZATIN O per 100 gallons of water*	Remarks
Aphids	10 – 16 fl. oz.	Foliar application for sup- pression and adult feeding deterrence

Application Rates for Key Insect Pests of Vegetables Raised to Harvest (including Transplants for Commercial Resale), Fruits, and Nut Crops Grown in Greenhouses, Lath and Shade Houses, and Nurseries. (continued)

Pests controlled by AZATIN O	Rate of AZATIN O per 100 gallons of water*	Remarks
Armyworms	4 – 16 fl. oz.	Foliar application against larvae.
Borers, including: Peach Twig Borer, Peachtree Borer, and Squash Vine Borer	4 – 16 fl. oz.	Foliar application against young larvae before boring or tunneling in the plant.
Caterpillars, Loopers, and other Lepidoptera Larvae (worms)	4 – 16 fl. oz. (Except as noted at right)	Foliar application against larvae feeding externally on leaves, fruits, other external plant parts. Corn Earworm, Diamondback Moth, Hickory Shuckworm, Imported Cabbage- worm (larvae of Cab- bage Butterfly), and Navel Orangeworm: Use 10 – 16 fl. oz./100 gal. Artichoke Plume Moth: Apply at 16 fl. oz./100 gal.
Colorado Potato Beetle & other leaf-feeding beetles	4 – 16 fl. oz.	Foliar application against leaf-feeding larvae.
Cutworms	5 – 16 fl. oz.	Foliar application against larvae feeding on leaves or stems.
Leafhoppers	10 – 16 fl. oz.	Foliar application against nymphs.
Leafminers: Liriomyza spp. and citrus leafminer (Phyllocnistis citrella)	6 – 16 fl. oz.	Foliar application against larvae. Mix with approved oil- based adjuvant for best results.
Leafrollers	4 – 16 fl. oz.	Foliar application against larvae
Scales	6 – 16 fl. oz.	Foliar or stem application targeting crawler stages.
Whiteflies	6 – 16 fl. oz.	Foliar application against nymphs. Spray should be directed to undersides of leaves.

When using lower rates (less than 10 fl. oz.), combine **AZATIN O with an approved adjuvant such as a non-phytotoxic crop oil, up to 1% for improved spray coverage and translaminar uptake. Always use sufficient spray volume to ensure good coverage of all plant parts. Treat early and target youngest larvae or nymphs for best control. Repeat applications every 7-10 days or as needed to maintain control.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Do not store above 100 degrees F or below -20 degrees F for extended periods of time. Keep containers tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

OHP, Inc. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MER-CHANTABILITY IS MADE.

CHEMIGATION BULLETIN

GENERAL INFORMATION:

Apply this product only through drip (trickle); sprinkler (solid set, lateral move, end tow, side-roll, center pivot, or hand move); flood (basin); furrow; or border irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow

preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

The pesticide injection pipeline must contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

DRIP TRICKLE CHEMIGATION:

- 1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing valve to prevent the flow of fluid back toward the injection pump.
- 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply to moderately moist soils. Use volumes that thoroughly wet the soil but that do not cause significant runoff or excessive drip from pots. Application should be continuous in sufficient water to apply the recommended rate evenly to the entire treated area.

SPRINKLER CHEMIGATION:

- 1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply when soils are moderately moist. Use volumes that thoroughly wet the foliage and/or soil but that do not cause significant runoff or excessive drip from pots. Application should be continuous in sufficient water to apply the recommended rate evenly to the entire treated area.
- 8. Do not apply when wind speed favors drift beyond the area intended for treatment.

FLOOD (BASIN), FURROW AND BORDER CHEMIGATION:

 Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential of water source contamination from the backflow if water flow stops.

- 2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
 - a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
 - b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
 - d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
 - e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
 - f. Systems must use a metering pump, such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 3. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply to moderately moist soils. Use volumes that thoroughly wet the soil but that do not cause significant runoff. Application should be continuous in sufficient water to apply the recommended rate evenly to the entire treated area.

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Produced for: OHP, Inc. PO Box 51230 Mainland, PA 19451-0230 (800) 356-4647

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