AZATIN® O
Biological Insecticide

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: ........................................ 100.0%

This product contains 742 lb of azadirachtin per U.S. gallon
EPA Reg. No.: 70051-9-59807
EPA Est. No.: 30579-TX-01

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
Read entire label and follow directions. Dispose of waste at a site designated by the local authorities. Keep out of reach of children. Do not eat, drink or smoke while handling the product. wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash all contaminated clothing before reusing.

For Organic Use
CAN BE USED IN
ORGANIC PRODUCTION

981221
Net Contents: 1 Quart (32 fl. oz.) (946 mL)

Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminated, 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 pesticides get 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 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 washwaters or rinsate.

PHYSICAL AND CHEMICAL HAZARDS
Combustible. Do not use or store near heat or open flame.

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. Rinse and wash all contaminated clothing before reusing.

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.
If 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.
If inhaled: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, 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 by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Not for Home Use. 1-800-356-4647.

PERSONAL PROTECTIVE EQUIPMENT
Sieve material 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-resistant category selection chart.

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 (REI). 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 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:
- Coversalls.
- Chemical-resistant gloves, such as barrier laminated, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton.
- Shoes plus socks.
- Protective Eyewear.
### Insects and Other Pests Controlled by Azatin O (continued)

#### Barers, such as:
- Azalea Stem Borer: *L. riceti* Borer
- Peach Twisted Borer: *P. fliki* Borer
- Oak Borer: *G. quercus* Borer
- Squash Vine Borer: *C. cucurbitae* Borer
- Peach Borer: *P. persicae* Borer
- Red-necked Cankerworm: *R. extenor* Borer

#### Bugs, such as:
- Box Elder Bug: *L. rugosus* Bug
- Chinch Bug: *S. griseoaptera* Bug (all types)
- Squash Bug: *S. griseoaptera* Bug
- Spring Cankerworm: *L. nigromarginatus* Cankerworm
- Pink Bollworm: *P. dirhodum* Bollworm
- Red Cabbage: *P. dirhodum* Bollworm
- Red-humped Cabbage: *P. dirhodum* Bollworm
- Saltmarsh Canker: *L. nigromarginatus* Cankerworm

#### Armyworms, Bollworms, Budworms, Catepillars, Fruitworms, Loopers, Webworms, and Other Worms (Lepidoptera larvae), such as:
- Corn Earworm: *L. saccharinana* Earworm
- Cabbage: *P. dirhodum* Cabbage
- Pink Bollworm: *P. dirhodum* Bollworm
- Red Cabbage: *P. dirhodum* Bollworm
- Saltmarsh Canker: *L. nigromarginatus* Cankerworm

#### Leafminers, such as:
- Holly Leafminer: *P. aurifer* Leafminer
- Vegetable Leafminer: *P. aurifer* Leafminer

#### Leaf Rollers, such as:
- Grape Leafroller: *C. quercus* Leafroller
- Oblique-Spined Leafroller: *C. quercus* Leafroller

#### Leaf rollers, such as:
- Marsh File: *F. cincta* File
- Spider File: *F. cincta* File
- Walnut File: *F. cincta* File

#### Millipedes, such as:
- Douglas Fir Mite: *D. douglasii* Mite
- Rose Mite: *D. douglasii* Mite
### Insects and Other Pests Controlled by Azatin O (continued)

**Moth larvae, such as:**
- Arichipta Plum Moth
- Codling Moth
- Diamondback Moth
- European Pine Shoot Moth
- European Grapevine Moth

**Nomatodes (suppression):**
- Phytodera, such as:
  - Grape Phytodera
  - Paylida, such as:
    - Asian Citrus Paylida
  - Sawfly
    - Scale insects, such as:
      - Acrysta Dark Scale
      - Black Scale
      - Brown Soft Scale
      - California Red Scale
      - Cactus Scale
      - Camphor Scale
      - Cotton-cushion Scale
      - Sawtooths (Pillbugs)
      - Spittlebugs

### Insects and Other Pests Controlled by Azatin O (continued)

**Thrips, such as:**
- Citrus Thrips
- Flower Thrips
- Slovenian Thrips
- White Thrips
- Western Flower Thrips

**Webworms, such as:**
- Fall Webworm
- Sod Webworm

**Whiteflies, such as:**
- Ash Whitefly
- Banded-wing Whitefly
- Bayberry Whitefly
- Citrus Whitefly

**Crops on Which Azatin O Can Be Used**

**Azatin O** can be used on the following crops and in the following situations:

- **Greenhouses and other covered structures:** including bath and salad, herb, spices, vegetables, melons, strawberries, and other field crops raised to harvest or for crop plants raised for commercial resale, and for nursery stock (including bedding and rose-bearing fruit trees and grapes).
- **For all outdoor grown non-food crops:** including non-bearing fruit trees and other field-grown foliage, flowering and ornamental plants.
- **Can be used indoors and outdoors:** Plants may be potted, grown in soil or soilless mixtures, or grown hydroponically.

**Crops on Which Azatin O Can Be Used (continued)**

**Bedding Plants, Foliage Plants, Flowers, Potted Plants, and other Ornamental Plants, such as:**
- Amaranthus
- Arachis
- Acanthus
- Acorus
- Agave
- Aleurites
- Alaisa
- Alnus
- Anacardium
- Annona
- Antirrhinum
- Asterolis
- Aucuba
- Avena
- Azalea
- Bambusa
- Banyon
- Bergenia
- Berberis
- Bitters
- Brachyandra
- Caesalpinia
- Callicarpa
- Calliandra
- Calluna
- Caesalpinia
- Carnation

**Crops on Which Azatin O Can Be Used (continued)**

**Brassica (Cole) Crops, such as:**
- Bok Choy
- Broccoli
- Broccoli Rabe
- Cabbage
- Cauliflower
- Chinese Cabbage

**Bulb Vegetables, such as:**
- Garlic
- Leek
- Onion

**Citrus Fruits, such as:**
- Citrus aurantiifolia
- Citrus citron
- Grapefruit

**Cucurbit Vegetables, such as:**
- Balsam pear
- Butternut squash
- Cucumber
- Gherkin
- Watermelon

**Fruiting Vegetables, such as:**
- Eggplant
- Ground Cherry
- Kaffir
- Tomato

**Ground Cherry**
- Dracaena
- Euphorbia
- Ficus
- Fuchsia
- Geranium
- Hibiscus
- Hydrangea
- Impatiens
- Iris
- Leek
- Limon
- Mango
- Melon
- Mustard Greens
- Mizuna
- Napa
- Papaya
- Pumpkins
- Honeydew
- Squash
- Watermelon
- Muskmelon
- Other Melons
- Peppers
- Tomato
- Tomatillo
### Crops on which Azatin O can be used (continued)

#### Herbs and Spices, such as:
- Allspice: Olives, Orange, Sage, Scotch, Softree
- Angelica: Citron, Lemon, Rosemary, Sweet Basil
- Anise: Cinnamon, Marjoram, Spearmint
- Anisato: Cumin, Mustard, Sweet Bay
- Balm: Cornflower, Mint, Vanilla
- Basil: Cornflour, Mint, Tarragon
- Borage: Corn, Mustard, Thyme
- Bitter: Cornflower, Mint, Vanilla
- Camomile: Dill, Nuthmeg, Watercress
- Caper Nuts: Fenugreek, Peppercorn, White Pepper
- Caraway: Fenugreek, Poppy, White Pepper
- Cardamon: Horseradish, Black or White Pepper
- Coriander: Hyssop, Poppy Seed, Woodruff
- Cumin: Juniper Berry, Rosemary, Woodruff
- Celery Seed: Lavender, Rosemary, Woodruff

#### Leafy Vegetables, such as:
- Arugula: Chinese Spinach, Dock, Parsley
- Cardoon: Corn Salad (Mache), Endive (Escarole), Purslane
- Celery: Cynarae, Fennel, Rhubarb
- Celouse: Dulse (all types), Spinach, Swiss Chard
- Cherries: Dandelion, Oatmeal, Swiss Chard
- Chinese Cabbage: Dandelion, Parsley

#### Roots and Tubers, such as:
- Beet (all types): Beets, Parsnip, Sweet Potato
- Carrot: Ginger, Potato, Turnip
- Cress (all types): Green, Radish, Turnip
- Celery: Celeriac, Rutabaga, Yam bean
- Chicory: Japanese radish, Salad, Yam bean
- Daikon: Jicama, Sugar beet

#### Small Fruits and Berries, such as:
- Blackberries: Currant, Grapes (all types), Gooseberry
- Alpine: Dewberry, Huckleberry, Loganberry
- Boysenberry: Gooseberry, Olives, Olives

#### Stone Fruits, such as:
- Apricot: Nectarine, Plum, Puff
- Apricot: Peach, Plumcot, Prune
- Cherry (all types): Peach, Prune

#### Tree Nuts, such as:
- Almond: Cashew, Filberts (Hazelnuts), Pecan
- Beech Nut: Chestnut, Hickory Nuts, Pecan
- Brazil Nut: Chilena, Macadamia, Pecan
- Butternut: Chestnut, Hickory Nuts, Pecan

#### Tropical and Subtropical Fruits, such as:
- Banana: Plantain

### Crops on which Azatin O can be used (continued)

#### Ornamental Trees and Shrubs, such as:
- Andromeda: Cottonwood, Horse Chestnut, Pecan nuts
- Arbutus: Crabapple, Hydrangea, Peach (all types)
- Ash: Cypress, Juniper, Pines (all types)
- Acacia: Dogwood, Larch, Plane
- Adventen Pine: Douglas Fir, Laurel, Plane
- Apple: Elm, Lilac, Privet
- Birch: Eucalyptus, Linden, Pesticides
- Birch: Ficus, London Plane, Quince
- Bittercot Spruce: Fir, Magnolia, Rhododendron
- Blue Spruce: Fennel, Mandevilla, Rose
- Rosewood: Heather, Maple (all types), Rubber Plant
- Butternut: Hawthorn, Mimosa, Rubber Plant
- Cactus: Henbit, Mountain Ash, Rose
- Cornelia: Hibiscus, Myrtle, White Cotton
- Cranberry: Hickory, Oak, White Pine
- Cucumber: Holly, Pachystachys, Yew
- Cherry: Honey Locust, Peach, Yucca

#### Fruits, such as:
- Apple: Jujube, Mayhaw, Pear
- Cranberry: Logat, Pears, Quince

### 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.
- Shakes well before using.
- Kills only immature stages (larvae or nymphs) of insects. Treated larvae may die as pupae.
- Makes 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 interspeciﬁc use.
- For indoor and outdoor use.
- Spraying directly onto the plant and a longer duration of 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 7. Use spray solution within 4 hours of preparation for maximum effectiveness. Do not use diluted solution for later use.
- Do not apply to wilting 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 spray tank with water, fertilizer, or other appropriate agricultural chemicals. After application, drift or lack of effectiveness can result if uniform distribution is not achieved. When pest populations are high, use the higher label rate.

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 5 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 grubs. It can also be effective in soil drenches for control of both winter and soil-dwelling pests, particularly when alternated with foliar sprays of AZATIN O.
- Apply AZATIN O in sufficient volume 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.
4. 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 mixing 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 [L] 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 the 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, followed 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:

Dry products - 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] (compound alone vs mixture) after 15 minutes. Look for evidence of physical incompatibility such as clouding, precipitation, or residue on the sides of the glass or other signs of incompatibility. If one mixture separates, but can be readily re-mixed, the mixture can be spaced as long as good agitation is used. If the mixtures are incompatible, do not use the mixture.

TANK MIX COMPATIBILITY
AZATIN O (biological laxative) has been found to be compatible with most commonly used insecticides, fungicides, and fertilizers. Check physical compatibility first by using the correct proportion of products in a small jar first. Then, test tank mix combinations for phytoxicity on a sample of plants prior to use. This must be done with combinations used before in environmental conditions that 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, leafrollers, leafminers, and aphids.

EYED DIRECTIONS FOR INTERIORSCAPES, ORNAMENTAL PLANTS, LANDSCAPES, TREES, SHRUBS, LAWNS, TURF, AND GREENHOUSES
For use to control whiteflies, thrips, mealybugs, leafrollers, leafminers, and aphids.

SPECIFIC PLANT/PEST DIRECTIONS:

<table>
<thead>
<tr>
<th>Pests controlled by</th>
<th>Rate of AZATIN O per 100 gallons of water</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td>10 – 16 fl. oz.</td>
<td>Suppression of nymphs and adult feeding deterrence.</td>
</tr>
<tr>
<td>Black Vine Weevil</td>
<td>16 fl. oz.</td>
<td>Apply as soil drench against larvae.</td>
</tr>
<tr>
<td>Caterpillars &amp; Worms, including:</td>
<td>4–16 fl. oz.</td>
<td>For foliar application against larvae,</td>
</tr>
<tr>
<td>Fungus Gnats</td>
<td>8 fl. oz.</td>
<td>Apply as a soil drench for maggot control.</td>
</tr>
<tr>
<td>Leafminers</td>
<td>6–16 fl. oz.</td>
<td>For foliar application against larvae.</td>
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**DIRECTIONS FOR REPELLING JAPANESE BEETLES FROM ROSE PLANTS**

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

**DIRECTIONS FOR LAWNS AND TURF**
Surface-Feeding Insects:
For use to control cutworms, armymosts, and webworms, crickets, chin bugs, leafhoppers, and grasshoppers.

Apply at first sign of need as soon as damage occurs, but not if rain is forecast within the next 24 hours.
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 and penetration of the turf canopy. Use 2 – 5 gallons of diluted material per 1,000 square feet, or 60 – 100 gallons of diluted material per acre.
The treated area may be heavily 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.
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 chafer, dung beetles, June beetles, green June beetles, May beetles, annual white grubs, grub beetles, southern masked chafer, etc.; and crane fly larvae (earthworms):
- For white grubs, make application soon after adults emerge in summer (1–3 weeks after first sign of adult). Lather jackets should be targeted no young larvae while feeding near the soil surface.
- 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 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 5–5 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 burrows:
- Apply in mid to late spring or at first sign of pest emergence or damage.
- Apply 1 quart – 2 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, or 2–5 gallons of diluted material per 1,000 square feet.

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, or 2–5 gallons of diluted material per 1,000 square feet. Repeat as necessary.

DIRECTIONS FOR GREENHOUSE AND NURSERY-GROWN FOOD CROPS


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<td>Oriental Cockroaches, and other Lepidoptera Larvae (worms)</td>
<td>4–16 fl. oz.</td>
<td>Foliar application against young larvae before boring or tunneling in the plant.</td>
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<td>Colorado Potato Beetle &amp; other leaf-feeding beetles</td>
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*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 or disposal.

**PESTICIDE STORAGE**

Store in original container in a cool, dry, and secure location or at least 5º F (0º C) below the freezing point for 30 days after the expiration date.

**PESTICIDE DISPOSAL**

Waste resulting from the use of this product must be disposed of in or near an approved waste disposal facility.

**CONTAINER HANDLING**

Wet or rinse-treated container. Do not reuse or refill this container. Keep container out of the reach of children.

**WARRANTY**

CHP, Inc. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to. The user may use the material in accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

**CHEMIGATION BULLETIN**

**GENERAL INFORMATION**

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

Crop injury, lack of effectiveness, or injured 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 systems means a system for the provision to the public of piped water for human consumption that 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 equivalent in the water supply line upstream of the point of pesticide introduction. As an option to the RPZ, the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break of all gas between the outlet end of the fill pipe and the top or overflow orifice of the reservoir tank 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 backward toward the injection system.

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 interface.

7. Observe the product in water following the label rinsing directions. It may be necessary to run water or use a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Application is necessary in applying to moderately moist soils. Use volumes that thoroughly wet the soil but do not cause significant runoff or excessive drift 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 contain a functional, automatic, quick-closing check valve to prevent the flow of fluid backward toward the injection pump.

3. 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 interface 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 a functional interlocking control 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 interface.
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 run-off 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 exceeds 10 mph or when a wind chill near 32°F or less is recorded. Application should be continuous in sufficient water to apply the recommended rate evenly to the entire treated area.

FLOOD (BASIN), FURROW AND BORDER CHEMIGATION:

1. Systems using a gravity flow pesticide dispersing 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.

3. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) or a positive displacement pump designed for pesticide application.

4. Systems must be compatible with the pesticide to be applied and capable of being fitted with a system interlock.

5. Do not apply when wind speed exceeds 10 mph or when a wind chill near 32°F or less is recorded. Application should be continuous in sufficient water to apply the recommended rate evenly to the entire treated area.

Azatin is a registered trademark of Certis USA,
The OMRI Listed seal (the Seal) is a registered trademark of OMRI (Organic Materials Review Institute).

Manufactured by:
OHP Inc.
P.O. Box 5120
Maryland, PA 19451-0230
(800) 355-4647
ESL 120651 10/03/313
AZATIN O
Systemic Insecticide
FOR INDOOR AND OUTDOOR USE ON ORNAMENTALS, TURF (INCLUDING COMMERCIAL LAWNS), VEGETABLES, AND OTHER HORTICULTURAL CROPS

ACTIVE INGREDIENT:
Azatinidin........................................... 45%
OTHER INGREDIENTS................................ 55%
TOTAL.................................................. 100.0%

This product contains 0.34 lb. of azatinidin per gallon

EPA Reg. No.: 25353-9-559807
EPA Est. No.: 39576-TX-01

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 lo que dice, vuelva a pedir una explicación en detalle.
If you do not understand this label, ask someone to explain it to you in detail.

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.
See attached booklet for additional Precautionary Statements and Directions for Use.

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

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.
If 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.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
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.
Hot Line Number: 1-800-356-4647.

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

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. For Triple rinses, see inside AZATIN O booklet.
See complete Precautionary Statements, and Directions For Use inside AZATIN O booklet.
See Conditions of Sale and Warranty inside AZATIN O booklet.
Azatin is a registered trademark of Certis USA, Inc.
Manufactured for:
OHP Inc.
PO Box 53230
Minneapolis, MN 55405-0320
(612) 246-4647

ENVIRONMENTAL HAZARDS
This product may be hazardous to fish and aquatic invertebrates. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to terrestrial areas below the mean high water mark. Do not contaminate water when disposing of equipment wastes or rinsates.