**ADOBE RGB**

**AzaGuard® Botanical Insecticide/Nematicide Specimen Label**

**ACTIVE INGREDIENT:**
Azadirachtin............................................3.00%

**OTHER INGREDIENTS:** .....................................97.00%

**TOTAL:** ................................................100.00%

Contains 0.28 lb. (128 grams) of azadirachtin per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**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.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds 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 washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff from treated area is:
- Long-sleeved shirt and long pants, waterproof gloves,
- Socks and shoes

**For field sprays:**
- Keep unprotected persons out of treated areas until sprays have dried.

**NON-AGRICULTURAL USE REQUIREMENTS**

These requirements apply to uses of this product that are NOT within the WPS for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, 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.

**PRODUCT DESCRIPTION**

AzaGuard is an emulsifiable concentrate containing 3.0% azadirachtin by weight. It has been evaluated on a wide variety of ornamental, forestry, and food crops. No phytotoxicity at recommended field rates has been observed. AzaGuard is an insect growth regulator and does not control adult insects.

**MODE OF ACTION**

AzaGuard controls insects in the larval, pupal, and nymphal stages by interfering with the metabolism of ecdyson. Insects typically die between larval to larval, larval to pupal, nymph to nymph molts, or during adult eclosion.

**COMPATIBILITY**

AzaGuard is compatible with the most commonly used insecticides, fungicides and fertilizers. Check the physical compatibility of AzaGuard before tank mixing with other product(s) or liquid fertilizers, by using the correct proportion of the products in small test containers. Take three one quart jars. Add 1 pint of water into each jar. To the first jar, add AzaGuard equivalent to highest label rate and mix. To the second jar, add tank mix product(s) equivalent to highest label rate and mix. To the third jar, add AzaGuard plus tank mix product(s) equivalent to highest label rate and mix. Let the jars stand for 5 minutes and note any differences between the jars. In the jar that has AzaGuard and tank mix product(s), check for any precipitation, separation, layering, extreme color change, bubbling, heating or other signs of incompatibility. Do not use the mixture if there are signs of incompatibility. If no incompatibility appears in the first 5 mins, let the jars sit for another 25 minutes. If the combination stays mixed or can be remixed, it is physically compatible, and can be sprayed with good agitation. If the tank mix combination is physically compatible, test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use AzaGuard with Bordeaux mixture, triphenyltin hydroxide, lime sulfur, Raxpeyl iron or other highly alkaline materials. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

**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 through any irrigation system unless the chemigation instructions on this label are followed. 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 State or Tribal 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 and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 4 hours.

**USE SITE:**

**GREENHOUSE AND FIELD GROWN FOOD CROPS:** Refer to label for complete list.

**GREENHOUSE AND FIELD GROWN ORNAMENTAL PLANTS, TREES AND SHRUBS:** Refer to label for complete list.
Wheatgrass, Zoysia grass. Bermuda grass, Bluegrass, Centipede grass, Fescue, Rye grass, St. Augustine grass, Bentgrass, operations, dairy operations and poultry farms to treat manure on and off-site.

Vegetable packing and processing), food marketing, food storage, food distribution, feedlot Food and feed processing plants (fresh fruit and grown (potting soil, top soil).

For potting soils or compost for greenhouses, soil application with no mention of crops to be

Manure or refuse piles, mulches, cull piles, pretreatment farms or other buildings.

NON-FOOD USES:

Foliar applications should be made to both sides of leaves. In addition, a surfactant used per the manufacturer's recommendations may improve product concentration generally enhances insect control.

To apply AzaGuard, select a suitable power or pump pressure sprayer or a hand-held trigger type sprayer that will deliver a fine spray mist to cover all leaf and fruit surfaces. To get complete spray coverage on waxy or pubescent plant surfaces, the addition of small amount of a suitable sticker adjuvant to the spray mix at the recommended rates may give better foliage coverage, and insect control.

APPLICATION INSTRUCTIONS

READ ALL DIRECTIONS AND PRECAUTIONS BEFORE USE

AzaGuard is exempt from tolerances and may be applied as directed to any food or non-food crop up to and including the day of harvest at a rate not exceeding 22.5 fl. oz. (20 grams active ingredient) per acre per application.

To apply AzaGuard, select a suitable power or pump sprayer or a hand-held trigger-type sprayer that will deliver a fine spray mist to cover all leaf and fruit surfaces. To get complete spray coverage on waxy or pubescent plant surfaces, the addition of a small amount of a suitable sticker adjuvant to the spray mix at the recommended rates may give better foliage coverage, and insect control.

APPLICATION METHOD AND EQUIPMENT:

AzaGuard can be applied as a foliar spray or a drench to soil or soil-less media (e.g., greenhouses and mushroom houses) to control insects and nematodes. When needed, soil drenches can also be used to control soil-borne pests, including soil-borne larvae of foliar insect pests. When applied as a drench, avoid excessive leaching. AzaGuard may be applied through sub-surface soil treatment equipment (e.g., turf grass). AzaGuard can also be injected into mature trees (landscape, forestry, residential, etc.) using appropriate tree injection equipment. To repel adult flies, apply through fogging equipment. Always follow equipment manufacturers use directions.

AzaGuard may be applied using any powered or manual pesticide application equipment, which includes but is not restricted to: high-volume, low-volume, ultra-low volume, electrostatic, fogging, and chemigation. Follow the original manufacturer's recommendations when using these types of equipment.

Hose End Sprayer: Follow use directions on manufacturers' hose end sprayer. Fill reservoir with AzaGuard. Set sprayer to deliver a rate of 0.08–0.10 fl. oz. per gallon or a 1:1280–1:1600 dilution. Spray this solution on the desired treatment surface.

For outdoor and field applications, apply AzaGuard at the application rates in sufficient water to assure adequate coverage. Conventional application equipment: apply in a minimum 30 gallons of water per acre. Aerial equipment: apply in maximum of 3 gallons of water per acre.

For optimum results, 2 to 3 applications made at 7 to 10 day intervals is recommended, unless otherwise specified. Foliar applications should be made to both sides of leaves. In addition, a surfactant used per the manufacturer's recommendations may improve product performance. The addition of a non-phytotoxic crop oil at rates not exceeding 1.0% (volume/ volume) generally enhances insect control.

NOTE: This product has been evaluated for phytotoxicity on a wide range of plants. 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 no phytotoxicity occurs. Make applications when insects first appear and are in their early larval stages. Repeat applications every 7 days, or as needed.

PLANTS ON WHICH AZAGUARD CAN BE USED

Use AzaGuard indoors and outdoors on the following plants:

PLANTS ON WHICH AZAGUARD CAN BE USED

Greenhouse food crops: Brassica (Cape) Crops, Cucurbits, Eggplants, Herbs and Spices, Legumes, Peppers, Tomatoes, and other miscellaneous crops grown in greenhouses.

Root and tuber vegetables: Artichokes, Beets, Carrots, Cassava, Ginger, Horseradish, Jicama, Potatoes, Radishes, Rutabagas, Salsify, Sweet Potatoes, Turmeric, Turnips, Yams.

Mushrooms: Agaricus, Enoki, Maitake, Oyster, Shiitake, and other specialty mushrooms.


Legume vegetables: Beans (Field, Kidney etc.), Chickpeas, Cowpeas, Guaj, Jackbeans, Lablab Beans, Lentils, Peas, Pigeon Peas, Soybeans, Sword Beans.

Fruiting vegetables: Eggplants, Garden Cherries, Peppers, Pimientos, Tomatillos, Tomatoes.

Cucurbit vegetables: Butternut Melons, Chayotes, Chinese Wax Gourds, Citron Melons, Cucumbers, Gherkins, Gourds, Muskmelons (Cantaloupes, Casabas Crenshaw), Pumpkins, Squash, and Watermelons.


Pome fruits: Apples, Crabapples, Loquats, Mayhaws, Oriental Pears, Pears, Quinces.

Stone fruits: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes.

Berries: Blackberries and Canberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Youngberries.

Cereal grains: Barley, Buckwheat, Corn, Millet, Oats, Popcorn, Rice, Rye, Sorghum, Teosintes, Triticale Hybrids, Wheat, Wild Rice.


Bulb vegetables: Garlic, Leeks, Onions, Shallots.


Oilseed crops: Canola, Castor, Crambe, Guaj, Jojoba, Peanut, Rape, Safflower, Sesame, Soybean, Sunflower.

Tropical fruits: Atemoya, Banana, Breadfruit, Cherimoya, Durian, Guava, Melon, Mango, Papaya, Passionfruit, Starfruit.


AzaGuard is intended for use on outdoor plants and food crops, mushroom houses, plants grown indoors or in greenhouses, shade cloth, interiorscapes and nurseries. It can be used to control any of the insects and nematodes listed below.

### Outdoor Plants - Food Crops, Trees, Turf, Nursery, Ornaments

Use the tables below to determine the appropriate use rate for your site/pest combination. Rates provided are in ounces of AzaGuard per acre or row-length.

#### Foliar Spray
Apply AzaGuard at the application rates in sufficient water to assure adequate coverage.

#### Conventional application equipment
Apply in a minimum of 30 gallons of water per acre.

High volume: when plant foliage is dense or infestation is heavy, use the higher label rate and increase spray gallonage to assure uniform coverage. Treat early for best control. When combining with other insecticides, use half the recommended rate of AzaGuard. For optimum results, ensure uniform and complete plant coverage.

AzaGuard can also be injected into mature trees (landscaping, forestry, residential, etc.) using appropriate tree injection equipment. Inject at a rate of 0.30–0.75 oz. per tree trunk diameter, Juniper, Larch Laurel, Lilac, Linden, London Plane, Magnolia, Maple, Mimos, Mountain Ash, Myrtle, Oak, Pachysandra, Peach Pine, Photinia, Plane Tree, Pines, Poplar, Privet, Quince, Rhododendron, Roses, Spruce, Sycamore, White Cedar, White Pine.

#### Turf And Turfgrass
Bentgrass, Bermuda Grass, Bluegrass, Centipede Grass, Fescue, Ryegrass St. Augustine, Wheatgrass, Zoysia Grass.

### USE RATES FOR LISTED PESTS BY USE SITE

#### AzaGuard

**Outdoor Plants - Food Crops, Trees, Turf, Nursery, Ornaments**

Use AzaGuard at the application rates in sufficient water to assure adequate coverage. Sprays may be repeated at intervals of 7–14 days. Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover undersides of leaves. For non-phytotoxic crops: Repeat application every 5–7 days.

#### AzaGuard)

<table>
<thead>
<tr>
<th>Pest Description</th>
<th>Rate of AzaGuard/Acre</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WHITEFLIES</strong></td>
<td>8–21 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover undersides of leaves.</td>
</tr>
<tr>
<td><strong>LEAFMINERS</strong>: Azalea leafminers, Birch Leafminers, Citrus leafminers, Serpentine leafminers, Vegetable leafminers.</td>
<td>25–100 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td><strong>SCALES</strong>: Brown soft scales, California red scale, Coffee scales, Olive scales, San Jose scales</td>
<td>10–16 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td><strong>MEALY BUGS</strong>: Citrus Mealybugs</td>
<td>10–16 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td><strong>GRASSHOPPERS and LOCUSTS</strong></td>
<td>10–16 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td><strong>mites</strong>: Banks mite, Clover mite, Citrus Rust Mite, Citrus Red Mite, European Red Mite, Hemlock Rust Mite, Honey Locust Mite, Pacific Mite, Spruce Mite, Two-spotted Spider mite</td>
<td>15 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
</tbody>
</table>

#### CATERPILLARS and MOTHS:

<table>
<thead>
<tr>
<th>Pest Description</th>
<th>Rate of AzaGuard/Acre</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BEETLES and GRUBS</strong>: Bark Beetles, Blueberry flea beetles, Boil weevils, Colorado potato beetles, Flea beetles, Japanese beetles, Leaf beetles, Mexican bean beetles, Pepper weevils, Philonthora, Rose Chafers, Twig girdlers, Elm Leaf Beetle, Cucumber Beetle, June Beetle.</td>
<td>10–16 fl. oz</td>
<td>Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover undersides of leaves. For non-phytotoxic crops: Repeat application every 5–7 days.</td>
</tr>
<tr>
<td><strong>WEEVILS</strong>: Black Vine Weevils, Strawberry Vine Weevils</td>
<td>10–16 fl. oz</td>
<td>Spray when pests first appear. For food crops: Repeat application after 7–10 days. Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover undersides of leaves. For non-phytotoxic crops: Repeat application every 5–7 days.</td>
</tr>
<tr>
<td><strong>BORERS</strong>: Peach Twig Borers, Peachtree Borers, Dogwood Borers, Cranberry Borers</td>
<td>10–16 fl. oz</td>
<td>Spray soon after egg hatch. For food crops: Use in combination with 0.25–1.0% non-phytotoxic crop oil in sufficient water to cover undersides of leaves. For non-phytotoxic crops: Repeat application every 5–7 days.</td>
</tr>
<tr>
<td><strong>MOLE CRICKETS</strong></td>
<td>8–16 fl. oz</td>
<td>Spray nymphs soon after egg hatch. For non-phytotoxic crops: Repeat application every 5–7 days.</td>
</tr>
<tr>
<td><strong>NEMATODES</strong>: Burrowing nematodes, Dagger nematodes, Golden nematodes, Root knot nematodes</td>
<td>15 fl. oz</td>
<td>Apply in sufficient amount of water to penetrate in the soil to a depth of 12 inches. Repeat applications every 3 or 4 weeks or as needed.</td>
</tr>
</tbody>
</table>

*When infestation is heavy, or when plant canopy is dense, AzaGuard may be used at a rate up to twice (2X) that shown in the above table, not to exceed 22.5 oz/acre. When combining with other insecticides, half the rate of AzaGuard is recommended.*
**USE DIRECTIONS FOR TREE TRUNK INJECTION OR TREE TREATMENT**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate oz./in. tree trunk diameter</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMERALD ASH BORER, GYPSY MOTH, SPRUCE BUDWORM, PINE BARK BEETLE, TENT CATERPILLARS, LEAF MINERS, SAW FLIES, WHITEFLIES, APHIDS, SCALE, PSYLLEIDS, MEALYBUGS, REMLOCK WOOLY ADELGID</td>
<td>0.30–0.75 fl. oz.</td>
<td>Measure tree diameter in inches at breast height (DBH) which is approximately 4.0–5.0 feet from the ground. If measuring the circumference of the tree, divide circumference by 3 to get DBH. Inject with suitable equipment that ensures uniform and slow delivery of the product. Evenly space drill holes (1/2&quot;) diameter) approximately 3–5 inches apart and 2–5 feet above the ground. The holes should extend into the bark and be approximately 1/4–1 inch into sapwood of the tree. If the product is too viscous to inject directly, dilute with small amount of water before injection. To determine dosage per injection site, divide total dose by number of injection sites.</td>
</tr>
</tbody>
</table>

**USE DIRECTIONS FOR MUSHROOMS**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate oz. of AzaGuard/1,000 sq. ft.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSHROOM FLIES, NEMATODES, PHORID FLIES</td>
<td>0.5 fl. oz.</td>
<td>Apply as drench to the casing layer, media or compost. Make at least 4–5 applications 7–10 days apart. To repel adults, apply with fogging equipment at first sign of activity. For mushroom house use: mix into the casing layer or into media during the spawn run. Can be applied between breaks until the final flush.</td>
</tr>
</tbody>
</table>

**USE DIRECTIONS FOR MANURE PILES**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate oz. of AzaGuard/1,000 sq. ft.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSHROOM FLIES, NEMATODES, PHORID FLIES</td>
<td>0.5 fl. oz.</td>
<td>For Manure Piles and Compost: Surface treat and incorporate using appropriate equipment when the manure piles are moist. Avoid treating when manure is too wet. Directly spray on to areas where flies are actively breeding.</td>
</tr>
</tbody>
</table>

**USE DIRECTIONS FOR TURFGRASS**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate oz. of AzaGuard/1,000 sq. ft.</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>SOD WEBWORMS, ARMYWORMS, GRUBS, CUTWORMS, APHIDS, CINCHBUGS, BILLBUGS, LEAFHOPPERS, ANTS, &amp; CHIGGERS</td>
<td>8–21 fl. oz.</td>
<td>Irrigate well before applying. Use a suitable pressure sprayer and mix ½–¾ tablespoon in 3 gal. of water and apply to 2,500 sq. ft. of turf. Apply when insect larvae first appear. Repeat application in 10–14 days if necessary. The use of an approved “spreader sticker” may help the spray to penetrate turf down to the larvae/worm feeding area.</td>
</tr>
</tbody>
</table>

| NEMATODES | 15 fl. oz. | Apply in sufficient amount of water to penetrate in the soil to a depth of 12 inches. Repeat applications every 3 or 4 weeks or as needed. |

AzaGuard can also be applied through sub-surface soil treatment equipment (e.g., turf grass). **FOR USE INDOORS OR IN GREENHOUSES**

Use the table below to determine the appropriate use rate for each pest.

**Application Methods**

- **Foliar spray:** Individual plants should be sprayed thoroughly with both sides of the leaves without causing runoff. Groups of potted plants should be sprayed at a rate of one gallon of finished spray for 500 square feet. For best results, ensure uniform and complete plant coverage.

- **Hose End Sprayer:** Follow use directions on manufacturer hose end sprayer. Fill reservoir with AzaGuard. Set sprayer to deliver a rate of 0.08–0.10 fl. oz per gallon or a 1:1,280–1:1,600 dilution. Spray this solution on the desired treatment surface.

- **Soil Drench:** This product is effective as a soil drench for controlling larvae and other immature stages of soil borne insect pests such as, but not limited to larvae of leaf miners, cutworms, beetle grubs, fungus gnats, mushroom flies, etc. and also nematodes.

  Dilute AzaGuard with water at a rate of 0.15%–0.30%. Rate table below provides the amount of AzaGuard for different drench volumes of water.

  Mix the solution thoroughly and apply to moderately moist soils at a rate of 1 pint of finished solution for each gallon of soil in the pot or 45–55 gallons of mixed solution per 1,000 sq. ft of soil. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots. Make 3–5 applications at 7–10 day interval until pest pressure subsides.

  **Use higher rates (0.2%–0.3%) and apply at shorter intervals (7 days)** for difficult to control insect pests and nematodes and/or when pest infestation is high.

**AZAGUARD RATES FOR SOIL DRENCH APPLICATIONS**

<table>
<thead>
<tr>
<th>GALLONS OF WATER</th>
<th>AMOUNT OF AZAGUARD (FL. OZ.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.15%</td>
</tr>
<tr>
<td>1.0</td>
<td>0.192</td>
</tr>
<tr>
<td>5.0</td>
<td>0.96</td>
</tr>
<tr>
<td>10.0</td>
<td>1.92</td>
</tr>
<tr>
<td>100.0</td>
<td>19.2</td>
</tr>
</tbody>
</table>

**Hydroponic Applications:** Use AzaGuard for control of immature stages (larvae/nymphs) of foliar and soil-born insect pests in hydroponic systems.

Mix or agitate treated water thoroughly for uniform distribution across the entire hydroponic system. After adding AzaGuard, solution may need to be buffered to a pH ideal for crop growth and applications be made during early morning hours to maximize root uptake. Repeat applications at 7–10 day intervals as necessary until sufficient control of pest pressure subsides.

Use higher rates (0.2%–0.25%) and apply at shorter intervals (7 days) for difficult to control insect pests and/or when pest infestation is high.

**AZAGUARD RATES FOR HYDROPONIC APPLICATIONS**

<table>
<thead>
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<th>GALLONS OF WATER</th>
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<tr>
<td>100.0</td>
<td>19.2</td>
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</table>

**USE RATES FOR ANY PLANT GROWN INDOORS OR IN GREENHOUSES, SHADECLOTH, INTERIORSCAPE AND NURSERIES**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate oz. of AzaGuard/100 sq. ft.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHITE FLIES: Greenhouse whiteflies, Silverleaf whiteflies, Sweet potato whiteflies</td>
<td>10–16 fl. oz. for 50,000 sq. ft.</td>
<td>Ensure good coverage to top and bottom of leaves against larvae and pupae. Can be applied after bract formation on poinsettias (test for phytotoxicity prior to large scale use).</td>
</tr>
<tr>
<td>LEAFMINERS: Serpentine leafminers</td>
<td>10–16 fl. oz. for 50,000 sq. ft.</td>
<td>Spray early. Make 2–3 applications in rotation with adulticides such as pyrethroids</td>
</tr>
<tr>
<td>SOFT SCALES</td>
<td>8–16 fl. oz. for 50,000 sq. ft.</td>
<td>Use in combination with 0.5–1.0% non-phytotoxic copper oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td>MEALY BUGS</td>
<td>8–16 fl. oz. for 50,000 sq. ft.</td>
<td>Always use in combination with 0.5–1.0% non-phytotoxic copper oil.</td>
</tr>
<tr>
<td>THRIPS: Western flower thrips</td>
<td>8–16 fl. oz. for 50,000 sq. ft.</td>
<td>Spray when pests first appear. Repeat every 5–7 days.</td>
</tr>
</tbody>
</table>
1) Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side roll, traveler, big gun, solid set, hand move, flood (basin), furrow, or border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

2) The pesticide injection pipeline must 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 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) 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.

5) Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR SPINKLER 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 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, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

5) 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.

6) Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR FLOOD (BASIN), FURROW AND BORDER CHEMIGATION

1) 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 for water source contamination from backflow if water flow stops.

2) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

3) 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.

4) 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.

5) Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply AzaGuard in conjunction with any other pesticides or fertilizers; this has the potential to cause reduced performance of the product. Avoid application in this manner.

### SPECIFIC REQUIREMENTS FOR DRIP (TRICKLE) CHEMIGATION

1. **Remove scale, pesticide residues, and other foreign matter from the chemical supply tank**
   - 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. **Determine the treatment rates as indicated in the directions for use and make proper dilutions.**
   - The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
   - 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.
   - 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. **System 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 filled with a system interlock.**

### APPLICATION INSTRUCTIONS

1. **Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system**
   - Flush with clean water. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.

2. **Determine the treatment rates as indicated in the directions for use and make proper dilutions.**
   - Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required. The product will immediately go into suspension without any required agitation.

3. **Do not apply AzaGuard in conjunction with any other pesticides or fertilizers; this has the potential to cause reduced performance of the product. Avoid application in this manner.**

### STORAGE AND DISPOSAL

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

- **PESTICIDE STORAGE:** Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water.

- **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

- **CONTAINER HANDLING:** Nonrefillable 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. Fill the container ¼ 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. Offer for recycling if available.

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.