SPECimen LABEL

- For use on food crops, ornamentals, shrubs, trees, turfgrass (including golf courses and athletic fields), and non-food uses.
- For greenhouses, shadehouses, interiorscapes, mushroom houses, and nursery uses.
- For commercial and industrial areas.
- For controlling and repelling insects such as aphids, armyworms, beetles, budworms, cutworms, fungus gnats, houseflies, leafhoppers, leafminers, loopers, leafrollers, and other caterpillars, mealybugs, mushroom flies (or sciarid flies), sawflies, scales, thrips, webworms, weevils, whiteflies; and plant parasitic nematodes such as burrowing, dagger, golden and various root knot nematodes.

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 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 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

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 may be hazardous to aquatic organisms in neighboring areas.

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 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).
Commonly used insecticides, fungicides and fertilizers. Compatibility should be checked by using the correct proportion of the products in a small test container. Growers should then test the tank-mix combinations for possible adverse effects (such as settling out, flocculation, etc.) and for phytotoxic effects on a small sample of plants prior to use. As environmental conditions can alter the interactions between compounds, a compatibility test is recommended for both new and previously used combinations. Avoid mixtures of several materials and very concentrated spray mixtures.

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

When using AzaGuard in combination with other products, use AzaGuard at the rate, or half the rate, specified in the Use Rate Recommendation table. Follow the directions for use, precautions and limitations for use on all of the product labels used in the combination. Some suggested tank mix combinations are as follows:

- AzaGuard plus non–phytotoxic crop oil*
- AzaGuard plus endosulfan*
- AzaGuard plus chlorpyrifos*
- AzaGuard plus acephate*
- AzaGuard plus Bacillus thuringiensis* (BT)
- AzaGuard plus bifenthrin*
- AzaGuard plus esfenvalerate*
- AzaGuard plus abamectin*
- AzaGuard plus diflubenzuron*
- AzaGuard plus pyrethrum + piperonyl butoxide (for fogging use)*

* Always follow the manufacturer’s Directions for Use and Precautionary Statements.

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 agent added to the spray mix at the recommended rates may give better foliage coverage, and insect control.

**MIXING:** Shake well before mixing. Always use this product promptly after mixing with water. AzaGuard will break down in the spray solution if not used within 8 hours. Never allow tank mix to stand overnight. AzaGuard will break down in spray tank mixtures that have pH values exceeding 7.0. The recommended pH range is between 5.5 and 6.5. For optimum performance, a buffering agent may be used. When mixing with other approved agrichemicals, always ensure proper agitation in the spray tank to ensure uniform application.

Using the use tables below, determine the amount of AzaGuard required for the number of acres to be treated. To a clean spray tank add at least one half the water to be sprayed. Begin agitation and add the determined amount of AzaGuard. Add the remaining water and continue agitation.

AzaGuard disperses freely when added to water. Always use clean equipment. For uniform distribution on plant canopy and proper dilution, always ensure proper agitation in mixing tanks or vessels. When mixing with other agrichemicals, add solid constituents (such as wettable powders, water dispersible granules or micronutrients) last in the form of a slurry.

**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 applying as a drench, avoid excessive leaching. AzaGuard can also be applied through sub-surface soil treatment equipment (e.g. turf grass). To repel adult flies, apply through fogging equipment. Always follow equipment manufacturer’s 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.

For outdoor and field applications, apply AzaGuard at the application rates in sufficient water to ensure 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 as 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**

AzaGuard can be used indoors and outdoors on the following plants:

**Greenhouse food crops, such as:**
- Brassica (Cole) Crops, Cucurbits, Eggplants, Herbs and Spices, Legumes, Peppers, Tomatoes, and other miscellaneous crops grown in greenhouses.

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

**Mushrooms, such as:**
- Agaricus, Enoki, Maitake, Oyster, Shiitake, and other specialty mushrooms.

**Leafy vegetables (including Brassica Leafy Vegetables), such as:**

**Legume vegetables, such as:**
- Beans (Field, Kidney Etc.), Chickpeas, Cowpeas, Guar, Jackbeans, Lablab Beans, Lentils, Peas, Pigeon Peas, Soybeans, Sword Beans.

**Fruiting vegetables, such as:**
- Eggplants, Ground Cherries, Pepinos, Peppers, Pimentos, Tomatillos, Tomatoes.

**Cucurbit vegetables, such as:**
- Bitter Melons, Chayotes, Chinese Wax Gourds, Citron Melons, Cucumbers, Gherkins, Gourds, Muskmelons (Cantaloupes, Casabas, Crenshaw), Pumpkins, Squash, and Watermelons.

**Citrus fruits, such as:**
- Calamondins, Citrus Citrons, Citrus Hybrids, Grapefruits, Kumquats, Lemons, Limes, Mandarins, Oranges, Pummellos, Satsuma Mandarins.

**Pome fruits, such as:**
- Apples, Crabapples, Loquats, Mayhaws, Oriental Pears, Pears, Quinces.

**Stone fruits, such as:**
- Apricots, Cherries, Nectarines, Peaches, Plums, Prunes.

**Berries, such as:**
- Blackberries and Caneberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Youngberries.

**Cereal grains, such as:**
- Barley, Buckwheat, Corn, Millet, Oats, Popcorn, Rice, Rye, Sorghum, Teosinte, Triticale Hybrids, Wheat, Wild Rice.

**Herbs and spices, such as:**

**Bulb vegetables, such as:**
- Garlic, Leeks, Onions, Shallots.

**Nuts, such as:**
- Almonds, Beechnuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Chinquapin, Filberts, Hickory Nuts, Lychee Nuts, Macadamias, Pecans, Pistachios, Walnuts.

**Oilseed crops, such as:**
- Canola, Castor, Crambe, Guar, Jojoba, Peanut, Rape, Safflower, Sesame, Soybean, Sunflower.

**Tropical fruits, such as:**
- Atemoya, Banana, Breadfruit, Cherimoya, Durian, Guava, Malanga, Mango, Papaya, Passionfruit, Starfruit.

**Miscellaneous food and non-food crops, such as:**

**Bedding Plants, Flowers, Ornamental Plants, Potted Plants and Foliage, such as:**
**Ornamental Trees And Shrubs, such as:**

**Turf And Turfgrass, such as:**
Bentgrass, Bermuda Grass, Bluegrass, Centipede Grass, Fescue, Ryegrass, St. Augustine, Wheatgrass, Zoysia Grass.

### USE RATE RECOMMENDATIONS FOR KEY PESTS BY USE SITE

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, Ornamentals**

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

### USE RATES FOR OUTDOOR PLANTS INCLUDING: FOOD CROPS, TREES, TURFGRASS, NURSERY, AND ALL OUTDOOR ORNAMENTAL PLANTS

<table>
<thead>
<tr>
<th>PEST</th>
<th>RATE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WHITEFLIES</strong>, such as: Greenhouse Whiteflies, Silverleaf Whiteflies, Woolly Whiteflies</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>, such as: Azalea Leafminers, Birch Leafminers, Citrus Leafminers, Serpentine Leafminers, Vegetable Leafminers</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.</td>
</tr>
<tr>
<td><strong>SCALES</strong>, such as Brown Soft Scales, California Red Scales, 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>PEST</td>
<td>RATE</td>
<td>REMARKS</td>
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<tr>
<td>MEALY BUGS, such as: 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>GRASSHOPPERS and LOCUSTS</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-food crops: Repeat application every 5 to 7 days.</td>
</tr>
<tr>
<td>MITES, such as: 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>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>THRIPS, such as: Citrus Thrips, Onion Thrips, Thrips Palmi</td>
<td>10-16 fl. oz.</td>
<td>Spray when pests first appear. Repeat every 5 to 7 days.</td>
</tr>
<tr>
<td>APHIDS, such as: Cotton Aphids, Green Peach Aphids, Pea Aphids, Potato Aphids</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-food crops: Repeat application every 5 to 7 days.</td>
</tr>
<tr>
<td>PSYLLIDS, such as: Pear Psylla</td>
<td>8-16 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-food crops: Repeat application every 5 to 7 days.</td>
</tr>
<tr>
<td>LEAFHOPPERS, such as: Grape Leafhoppers, Potato Leafhopper, Variegated Leafhopper</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-food crops: Repeat application every 5 to 7 days.</td>
</tr>
<tr>
<td>BUGS, such as: Boxelder Bugs, Chinch Bugs, Lygus Bugs, Spittle Bugs, Stink Bugs</td>
<td>10-16 fl. oz.</td>
<td>Spray nymphs early.</td>
</tr>
<tr>
<td>CHAFERS, such as: European Chafer, Northern Masked Chafer, Rose Chafer</td>
<td>10-16 fl. oz.</td>
<td>Spray when pests first appear. Repeat application every 5 to 7 days.</td>
</tr>
<tr>
<td>FLIES, such as: Blueberry Maggots, Cherry Maggots, Crane Flies, Fruit Flies, Midges, Onion Maggots, Walnut Husk Flies, Fungus Gnat, Hessian Fly, Marsh Crane Fly, Melon Fly, Midges, Shore Fly</td>
<td>10-16 fl. oz.</td>
<td>For food crops: Spray when pests first appear. For non-food crops: Drench soil to kill larve.</td>
</tr>
<tr>
<td>SAWFLIES, such as: European Pine Sawflies, Yellow Headed Pine Sawflies</td>
<td>10-16 fl. oz.</td>
<td>Treat larvae early.</td>
</tr>
</tbody>
</table>
### USE RATES FOR OUTDOOR PLANTS INCLUDING: FOOD CROPS, TREES, TURFGRASS, NURSERY, AND ALL OUTDOOR ORNAMENTAL PLANTS

<table>
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<tr>
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</table>
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-food crops**: Repeat application every 5 to 7 days. |
| **BEETLES and GRUBS** such as: Bark Beetles, Blueberry Flea Beetles, Boll Weevils, Colorado Potato Beetles, Flea Beetles, Japanese Beetles, Leaf Beetles, Mexican Bean Beetles, Pepper Weevils, Phylloxera Rose Chafers, Twig Girdlers, Elm Leaf Beetle, Cucumber Beetle, June Beetle | **8 -16 fl. oz.** | 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-food crops**: Repeat application every 5 to 7 days. |
| **WEEVILS**, such as: Black Vine Weevils, Strawberry Vine Weevils | **10 -16 fl. oz.** | Make foliar applications to deter adult feeding. Make at least 3 to 4 applications 10 days apart. |
| **BORERS**, such as: Peach Twig Borers, Peach Tree Borers, Dogwood Borers, Cranberry Borers. | **10 -16 fl. oz.** | 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. |
| **MOLE CRICKETS** | **10 -16 fl. oz.** | Spray nymphs soon after egg hatch. |
| **NEMATOIDES**, such as: Burrowing Nematodes, Dagger Nematodes, Golden Nematodes, Root Knot 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. |

*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 RATE FOR MUSHROOMS

<table>
<thead>
<tr>
<th>PEST</th>
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<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mushroom Flies, Nematodes, Phorid Flies</td>
<td><strong>0.5 fl. oz.</strong></td>
<td>Apply as drench to the casing layer, media or compost. Make at least 4 to 5 applications 7 to 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 RATE FOR MANURE PILES**

<table>
<thead>
<tr>
<th>PEST</th>
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<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mushroom Flies, Nematodes, Phorid Flies</td>
<td>0.5 fl. oz.</td>
<td><strong>For Manure Piles and Compost:</strong> 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 RATE FOR TURFGRASS**

<table>
<thead>
<tr>
<th>PEST</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Sod Webworms, Armyworms, Grubs, Cutworms, Aphids, Cinchbugs, Billbugs, Leafhoppers, Ants, and 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 to 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>
<tr>
<td>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>

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 to thoroughly wet 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’s hose end sprayer. Fill reservoir with AzaGuard. Set sprayer to deliver a rate of 0.08 to 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 soil-borne insect larvae (e.g. Fungus Gnats). Apply 1 pint of finished spray for each gallon of soil in the pot. Apply to moderately moist soils. Apply AzaGuard in sufficient water and for sufficient duration to distribute the application evenly through the entire treated area. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots.

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

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>WHITEFLIES, such as: Greenhouse Whiteflies, Silverleaf Whiteflies, Sweet Potato Whitefly, Woolly Whiteflies</td>
<td>10-16 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>PEST</td>
<td>RATE</td>
<td>REMARKS</td>
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</tr>
<tr>
<td><strong>LEAFMINERS,</strong> such as: Serpentine Leafminers</td>
<td>10-16 for 50,000 sq. ft.</td>
<td>Spray early. Make 2 to 3 applications in rotation with adulticides such as pyrethroids.</td>
</tr>
<tr>
<td><strong>SOFT SCALES</strong></td>
<td>10-16 for 50,000 sq. ft.</td>
<td>Use in combination with 0.5 – 1.0% non-phytotoxic crop oil in sufficient water to cover twigs and leaves.</td>
</tr>
<tr>
<td><strong>MEALY BUGS</strong></td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Always use in combination with 0.5 – 1.0% non-phytotoxic crop oil.</td>
</tr>
<tr>
<td><strong>THrips,</strong> such as: Western Flower Thrips</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Spray when pests first appear. Repeat every 5 to 7 days.</td>
</tr>
<tr>
<td><strong>MITes,</strong> such as: 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>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>APHIDS,</strong> such as: Green Peach Aphids, Pea Aphids, Cotton Aphids, Rose Aphids, Apple Aphid, Melon Aphid, Potato Aphid</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Spray when pests first appear. Addition of 0.5 – 1.0% non-phytotoxic crop oil will enhance efficacy.</td>
</tr>
<tr>
<td><strong>LACEWINGS,</strong> such as: Azalea Lacewings</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Spray when pests first appear.</td>
</tr>
<tr>
<td><strong>FLIES,</strong> such as: Crane Flies, Fungus Gnats, Shore Flies, Blueberry Maggots, Caribbean Fruit Fly, Cherry Maggots, Fruit Flies, Hessian Fly, Marsh Crane Fly, Melon Fly, Midges, Onion Maggots, Walnut Husk Fly</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Add at least 1 pint of mixture per gallon pot as soil drench. Repeat application every 7 days for 3 weeks. For poinsettias, lilies and bedding plants, also make 1 application 10 to 15 days prior to shipping plants to prevent adult emergence.</td>
</tr>
<tr>
<td><strong>CATERPILLARS,</strong> such as: Army Worms, Bagworms, Cutworms, Leafhoppers, Leafrollers, Loopers, Spruce Budworms, Webworms</td>
<td>8-16 for 40,000 sq.ft</td>
<td>Spray when pests first appear.</td>
</tr>
<tr>
<td><strong>BORERS,</strong> such as: Peachtree Borers</td>
<td>10-16 for 50,000 sq.ft</td>
<td>Spray when pests first appear. Repeat as needed.</td>
</tr>
<tr>
<td><strong>BEETLES,</strong> such as: Bark Beetles, Flea Beetles, Japanese Beetles, Cucumber Beetle</td>
<td>10-16 for 50,000 sq. ft</td>
<td>Spray when pests first appear. Repeat as needed.</td>
</tr>
<tr>
<td><strong>WEEVILS,</strong> such as: Black Vine Weevils, Strawberry Vine Weevils</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Make foliar applications to deter adult feeding. Drench soil at a rate of 1 pint per gallon pot during spring and fall periods to control larvae. Make at least 3 to 4 applications 10 days apart.</td>
</tr>
<tr>
<td><strong>NEMATODES,</strong> such as: Burrowing Nematodes, Dagger Nematodes, Golden Nematodes, Root Knot Nematodes</td>
<td>8-16 for 40,000 sq. ft.</td>
<td>Drench at least 1 pint of mixture per gallon pot once a week for 4 weeks. Avoid leaching – drench until moist to the touch. For heavy infestations, use twice the rate and drench more frequently.</td>
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</tbody>
</table>
USE SITES
AZAGUARD CAN BE USED ON:
GREENHOUSE, MUSHROOM HOUSE, 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.
NON-FOOD USES: such as athletic fields, barrier strips, campsites, cemeteries, farmyards, fence rows, fuel storage areas, grasslands, pastures, rights-of-way, sheds, soil banks, uncultivated or fallow farmland, vegetative barriers and fences, and areas surrounding agricultural farms or other buildings.
COMPOST AND MANURE TREATMENT: Manure or refuse piles, mulches, cull piles, pretreatment for potting soils or compost for greenhouses, soil application with no mention of crops to be grown (potting soil, top soil).
COMMERCIAL AND INDUSTRIAL AREAS: Food and feed processing plants (fresh fruit and vegetable packing and processing), food marketing, food storage, food distribution, feedlot operations, dairy operations and poultry farms to treat manure on and off-site.
LAWNS, TURF AND TURFGRASS (including golf courses and athletic fields): Bentgrass, Bermuda grass, Bluegrass, Centipede grass, Fescue, Rye grass, St. Augustine grass, Wheatgrass, Zoysia grass.
CHEMIGATION
General Information
This product may be applied only through drip (trickle) or sprinkler (center pivot, lateral move, end tow, side roll, traveler, big gun, solid set, or hand move), flood (basin) 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, you should 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.
Dilute AzaGuard with water before introduction into the system; use the diluted mixture within 8 hours. Do not apply in irrigation water if the pH exceeds 7.0. The optimum pH for application is a range of 5.5 to 6.5. If needed, the pH of the irrigation water can be adjusted by use of a suitable buffering agent. Agitation is necessary. Apply at the rate recommended in the Directions for Use using sufficient water to achieve an even distribution within an 8 hour period. Do not apply AzaGuard at a rate that exceeds 20 grams active ingredient per acre (22.5 fl. oz. of AzaGuard). If applying AzaGuard in combination with other products refer to the compatibility statement in the DIRECTIONS FOR USE section.

General Requirements
1) Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3) If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.
4) 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.
5) 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.
6) Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.
7) Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
8) All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Specific Requirements for Chemigation Systems Connected to Public Water Systems
1) 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.
2) 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.
3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4) 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.

5) 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.

6) 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.

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

Specific Requirements for 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 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 (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.

3) Prepare a solution in the chemical tank, voided of scale or residues may cause product effectiveness. In case of spill, product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If
The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS and Seller harmless for any claims relating to such factors.

BIOSAFE SYSTEMS warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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