

# AzaSol<sup>®</sup> WSP

Non-Oil Based, Water Soluble Powder

Active Ingredient: Azadirachtin.....6%  
 Other Ingredients.....94%  
 Total:.....100%

Keep out of reach of children

## CAUTION

Net Contents: 1 Packet at 0.75 oz. (21 g.) each.  
 EPA Reg. No. 81899-4-74578 EPA Est. No. 74578-MA-001

Distributed by Arborjet, Inc. 99 Blueberry Hill Road, Woburn, MA 01801

### 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. **For medical emergencies, phone 24 hours a day, National Pesticide Telecommunication Network at 1-800-858-7378.**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

#### USER SAFETY RECOMMENDATIONS

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

### DIRECTIONS FOR USE

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

### PRODUCT DESCRIPTION

AzaSol WSP is a pale yellow/white, amorphous powder containing 6% by weight azadirachtin. It will instantly dissolve in water to give a solution that is ready for spray applications for pest control. Non-Oil based and highly effective as a powder.

Use AzaSol WSP for pre-harvest treatment of fruits and vegetables in case of sudden pest infestations.

AzaSol WSP is effective on a very wide spectrum of insects and pests as listed on this label.

Use AzaSol WSP on a wide variety of plants as listed indoors and outdoors. If plants are made to use AzaSol WSP on plants not listed on this label, it is recommended that a small area such as a leaf, stem, or branch be test sprayed first and checked several days later to make sure that leaf wilting or damage does not occur.

When used as directed, AzaSol WSP will destroy targeted insect larvae when they, (1) eat sprayed plants, or (2) come in contact with the spray. AzaSol WSP eliminates insects by stopping the insect's growth, and is effective on all insects listed, insect larval stages and pupae.

### APPLICATION INSTRUCTIONS READ ALL DIRECTIONS AND PRECAUTIONS BEFORE USE

To apply AzaSol WSP select a suitable hand held trigger type sprayer that will deliver a forceful, fine, leaf and fruit covering, wetting, spray mist. To get thorough spray coverage on waxy or pubescent plant surfaces the addition of small amount of a suitable sticker agent (such as NuFilm P) added to the spray mix, at the recommended rates may give better foliage, insect coverage and control.

**APPLICATION METHOD AND EQUIPMENT:** Apply AzaSol WSP as a foliar spray to control insects and nematodes. Apply AzaSol WSP through sub-surface soil treatment equipment (e.g. lawn grass). To repel adult flies, apply through fogging equipment. Always follow equipment manufacturers use directions.

Apply AzaSol WSP by using any powered or manual pesticide application equipment. Follow the original manufacturer's recommendations when using these types of equipment.

**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 sticker agent used as per the manufacturer's recommendations may improve product performance.

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

These label rates provide a high and low dose application of AzaSol WSP.

#### USE RECOMMENDATION:

**Low Rate** (Recommended for preventative treatments before signs of infestation.)  
 1 tsp./1 gal. of water/1000 sq. ft.

**Medium Rate\*** (Recommended for most treatments. For preventative to medium infestations when pests are present.) 2-3 tsp./1 gal. of water/1000 sq. ft.

**High Rate** (Recommended for difficult to manage pests or high infestations.)  
 4 tsp./1 gal. of water/1000 sq. ft.

\*Not for use in California

### MIXING

#### Re-sealable Mylar Packets:

AzaSol WSP is sealed in mylar packets to ensure air tight and water tight seal to protect powdered AzaSol WSP. Carefully open mylar packet and dispense the powder into the mixing tank. You can use the entire contents or you can measure a partial amount to meet mixing and rates specified for application. Airborne powder: You can reduce the amount of airborne powder by avoiding windy conditions, using the entire contents of packet, and by emptying contents into a partially filled tank. Agitate tank mix.

Use the tables below for your site/pest combination.

### AZASOL WSP PEST CONTROL CHART:

For indoor and outdoor plants including food crops, trees and turfgrass

| PEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COMMENTS For Spray or Drench                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHITEFLIES, such as: Greenhouse whiteflies, Silverleaf white flies, Woolly whiteflies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Make sure that spray covers upper, lower and all surfaces of leaves fruit and twigs.                                                                                                                                                |
| LEAF MINERS, such as Azalea leafminers, Birch leafminers, Citrus leafminers, Serpentine leafminers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Apply to new growth in spring before new larvae enter plant foliage. Repeat application at 10 to 14 day intervals if new infestations are expected.                                                                                 |
| SCALE, Crawlers: such as Brown Soft Scale, California red scale, Coffee Scale, Olive Scale, San Jose Scale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Make sure to thoroughly spray upper, lower and all surfaces of leaves and twigs.                                                                                                                                                    |
| MEALY BUGS Such as Citrus Mealybugs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Spray to thoroughly cover twigs and leaves.                                                                                                                                                                                         |
| THRIPS, such as: Citrus thrips, Onion thrips, thrips palmi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Spray in spring when young nymphs first appear on foliage.                                                                                                                                                                          |
| APHIDS, such as: Cotton aphids, Green peach aphids, Pea aphids, Potato aphids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Spray to wet lower side of leaves when "leaf curl" first appears.                                                                                                                                                                   |
| PSYLLIDS, such as : Pear psylla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Spray for new "instar" nymphs appearing on new discolored foliage.                                                                                                                                                                  |
| BUGS, Nymphs of: such as Box elder bugs, Chinch bugs, lygus bugs, spittle bugs, stink bugs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Spray early when nymphs are young. AzaSol WSP will control "instar" growth until they die.                                                                                                                                          |
| FLIES, Larvae of: such as Blueberry Maggot, Cherry Maggot, Crane Flies, Fruit flies, Midges, Onion Maggots, Tip worms, Walnut husk fly larvae                                                                                                                                                                                                                                                                                                                                                                                                                                                      | For Food and Non-food crops spray when larvae first appear.                                                                                                                                                                         |
| SAWFLLIES, Larvae of: such as: European Pine Sawflies, Yellow headed pine sawflies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Spray when first larvae appear when plants start new growth.                                                                                                                                                                        |
| CATERPILLARS, such as: Armyworms, Artichoke plume moth, Bagworms , Bollworms, Budworms, Cabbage butterflies, Cabbage loopers, Cankerworms, Caseworms, Corn Earworms, Cutworms, Diamond back moths, Fireworms, Fruitworms, Grapeleaf, skeletonizer, Gypsy moths, Hornworms, Imported Cabbage worm, leaf perforators, Leafrollers, Melonworms, Navel orangeworms, Oblique banded Leafrollers, Omnivorous Leafrollers, oriental fruit moths, Pickleworms, Pine tip moths, Pinworms, Red banded leaf rollers, Sod webworms, Soybean loopers, Tent Caterpillars, Tobacco budworms, Tussocks moth larvae | Spray when first larvae worms appear. Repeat applications in 7 to 10 days. For continued pest control in the spring or fall when insect infestations are expected, spray ornamentals and other plants at intervals of 2 to 3 weeks. |
| BEEYLES, larvae of : such as Bark beetles, Blueberry Flea beetles, Boll weevils, Colorado potato beetles, Flea beetles, Japanese beetles, Leaf beetles, Mexican bean beetles, Phylloxera, Rose Chafers, Twig girdlers                                                                                                                                                                                                                                                                                                                                                                              | Spray when pests first appear. For Food crops, repeat application after 7 to 10 days. Do no use with oil! Make sure that all plant surfaces are thoroughly spray treated. Repeat in 5 to 7 days if required.                        |
| WEEVILS, such as Black vine weevils, Pepper weevils, Strawberry vine weevils                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Foliar anti-feedant sprays will stop adult feeding. Make at least 3 to 4 applications 10 days apart.                                                                                                                                |

(continued on reverse side)

|                                                                               |                                                                                                            |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| BORERS, Larvae such as: Peach twig borer, Peach tree borers, Cranberry borers | Thoroughly spray in spring after egg hatch to control young larvae.                                        |
| MOLE CRICKETS, nymphs and young "instars" Turf Treatment                      | For turfgrass, spray to drench turf for young cricket nymphs in spring. Stops young from growth to adults. |

### USE SITES FOR AZASOL WSP

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>AzaSol WSP can be used on Greenhouse: food crops, such as:</b> Brassica (cole) crops, cucurbits, eggplants, herbs and spices, legumes, peppers, tomatoes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>MUSHROOMS,</b> Varieties such as: Agaricus, enoki, maitake, oyster, shitake and other specialty mushrooms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>FOOD CROPS including, Root, and tuber vegetables such as:</b> Artichoke, beets, carrots, ginger, horseradish, potatoes, radishes, rutabagas, sweet potatoes, turmeric, turnips, yams.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| <b>Leafy vegetables (including Brassica leafy vegetables) such as:</b> Amaranth, broccoli, Brussels sprouts, cabbage, cauliflower, celery, chervil, Chinese cabbage, collards, cress, endives, fennel, kale, kohlrabi, lettuce, mizuna, mustard greens, parsley, purslane, rape greens, rhubarb, spinach, Swiss chard.                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Legume vegetables such as:</b> Beans (field, kidney etc.) chick-peas, cowpeas, guar, jackbeans, lablab beans, lentils, peas, pigeon peas, soybeans, sword beans.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| <b>Fruiting vegetables such as:</b> Eggplants, ground-cherries, pepinos, peppers, pimientos, tomatillos, tomatoes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <b>Cucurbit vegetables such as:</b> Bitter melons, Chayotes, Chinese wax gourds, citron melons, cucumbers gherkins, gourds, muskmelons (such as cantaloupes, casabas cranshaw etc.), pumpkins, squash, watermelons.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| <b>Citrus Fruits such as:</b> Calamondins, citrus citrons, citrus hybrids, Grapefruits, Kumquats, Lemons, Limes, Mandarins, Oranges, pumellos, satsuma mandarins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Pome fruits such as:</b> Apples, crabapples, loquats, mayhaws, oriental pears, pears, quinces.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Stone fruits such as:</b> Apricots, cherries, nectarines, peaches, plums, prunes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <b>Berries such as:</b> Blackberries, caneberries, blueberries, currants, cranberries, elderberries, gooseberries, huckleberries, loganberries, raspberries, strawberries, youngberries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| <b>Cereal grains such as:</b> Barley, buckwheat, corn, millet, oats, popcorn, rice, rye, sorghum, teosinites, triticale hybrids, wheat, wild rice,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <b>Herbs and spices including but not limited to:</b> Allspice, ahgelica, anise, annatto, balm, basil, black and white peppers, borage, burnet, camomile, caper buds, cardamom, caraway, cassia, catnip, celery seeds, chervil, chives, cinnamon, caraway, cloves, coriander (cilantro), costmary, cumin, curry leaf, dills, fennels, fenugreek, grains of paradise, horehound, hyssop, juniper berry, lavender, lemongrass, lovage, mace, marigolds, marjoram, mustard seeds, nasturtium, nutmeg, parsley, pennyroyal, pepper (black & white), poppy seeds, rosemary, rue, saffron, sage, savory, sweet bay (bay leaf), tansy, tarragon, thyme, vanilla, wintergreen, woodruff, wormwood. |  |
| <b>Bulb vegetables such as:</b> Garlic, leek, onions, shallots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>Nuts such as:</b> Almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapin, Coconuts, filberts, hickorynuts, macadamia, pecans, pistachios, walnuts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Oilseed crops such as:</b> Canola, castor, crambe, guar, jojoba, peanuts, rape, safflower, sesame, soybean, sunflower.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Tropical fruits such as:</b> Atemoyas, bananas, breadfruits, cherimoyas, durians, guavas, malangas, mangos, papayas, passionfruits, starfruits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <b>Other food &amp; non-food crops such as:</b> Asparagus, avocados, birdseed, cacao, coffee, edible flowers, feijoa, figs, ginseng, grapes, guayule, hops, kiwis, okras, olives, palms, papayas, pawpaws, persimmons, pineapples, rambutans, sugarcane, tamarillos, tea, tobacco, water chestnuts, watercress.                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>Ornamental Plants such as:</b> African violets, ageratum, aster, aucuba, begonia, cacti, calendula, calla, carnation, ceanothus, chrysanthemum, cineraria, coleus, cyclamen, daffodil, dahlia, delphinium, ficus, foliage plants, fuschia, gardenia, geranium, gloxinia, hyacinth, hydrangea, iris, ivy, lily, maidenhair fern, marigold, narcissus, orchid, pansy, pelargonium, peony, phlox, pittisporum, poinsettia, pyracantha, rubber plant, snapdragon, stock, tulip, wandering jew, yew, yucca, zinnia.                                                                                                                                                                          |  |
| <b>Ornamental Trees and Shrubs such as:</b> Andromeda, Arbovitae, ash, Austrian pine, azalea, beech, birch, birdsnest spruce, blue spruce, bougainvillea, boxwood, butternut, camellia, cedar, chamaecyparis, dogwood, douglas fir, elm, euonymus, firethorn, forsythia, hackberry, hawthorn, hemlock, hickory, holly, honeylocust, horsechestnut, ilex, juniper, larch, laurel, lilac, linden, London plane, magnolia, manville, maple, mimosa, mountain ash, myrtle, oak, pachysandra, peach, pine, phinota, pines, plane tree, poplar, privet, quince, rhododendron, roses, spruce, sycamore, white cedar and white pine.                                                               |  |
| <b>TURF GRASSES such as:</b> Bent grass, Bermuda grass, Fescue, Bluegrass, annual & perennial; Ryegrass, annual & perennial; Buffalo grass, St. Augustine grass, Centipede grass, Wheat grass, Zoysia grass.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| For control of Sod Webworms, Cutworms, Aphids, Leafhoppers, ants and chiggers: use a suitable pressure sprayer and mix 1 tbsp. in 2 to 3 gal of water and apply to 2,500 sq ft of turf. Apply when insect larvae first appear and if necessary repeat application in 10 to 14 days. The use of an approved "spreader sticker" may help the spray to penetrate turf down to the larvae/worm feeding area.                                                                                                                                                                                                                                                                                   |  |
| <b>For Mushrooms and the Mushroom House</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| For Mushroom Files, Nematodes and Phorid Flies mix ½ oz. in 1 to 2 gal of water and mist over, (or drench) 1,000 sq. ft. to the casing layer, media or compost. Make 4 to 5 applications 7 to 10 days apart. To repel fly adults, apply with fogging equipment at the first sign of activity. Can be applied between breaks up to the final flush.                                                                                                                                                                                                                                                                                                                                         |  |

| APPLICATION TO LAWNS*   |                                        |                                                                                                                 |
|-------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| PEST                    | SOIL DRENCH                            | COMMENTS                                                                                                        |
| ANNUAL BLUEGRASS WEEVIL | 4-8 tsp/ 2-3gal of water/ 1,000 sq ft. | Make applications in early spring (in the northeast, 3rd or 4th week of April) when weevils first become active |
| WHITE GRUBS             | 4-8 tsp/ 2-3gal of water/ 1,000 sq ft. | Make applications in early spring and again in summer when larvae are feeding                                   |

| SOIL APPLICATIONS TO TREES*                                                                                       |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PEST                                                                                                              | SOIL DRENCH                                                                                     | COMMENTS                                                                                                                                                                                                                                                                                                                                               |
| IPS ENGRAVER BEETLES<br>FLATHEADED BORERS<br>(E.G., BRONZE BIRCH BORER)<br>LEAF MINERS<br>(E.G., BIRCH LEAFMINER) | Small tree (2-7" DBH): 4 tsp / gal of water<br>Medium tree (8-15" DBH): 8-10 tsp / gal of water | Remove organic matter from the base of the tree, apply to soil around the tree base, 1 - 3 feet from trunk or inject (6" deep) into the soil working around the base of the tree.<br>Make the first application to trees 1-2 weeks prior to expected adult emergence. For pests with multiple generations, repeat applications once every 3 to 4 weeks |
| LEAF DEFOLIATING INSECTS<br>(INCLUDING WINTER MOTH, FALL WEBWORM)                                                 | Small tree (2-7" DBH): 4 tsp / gal of water<br>Medium tree (8-15" DBH): 8-10 tsp / gal of water | Remove organic matter from the base of the tree, apply to soil around the tree base, 1 - 3 feet from trunk or inject (6" deep) into the soil working around the base of the tree. Make application when caterpillars first hatch; prior to bud break.                                                                                                  |

\*Not for use in California

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store product in the original labeled container in a cool, dry, locked place out of reach of children. Keep containers tightly closed when not in use.

**PESTICIDE PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions.

**CONTAINER HANDLING: IF EMPTY:** Non-refillable container. Do not reuse this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## IMPORTANT: PLEASE READ BEFORE USE

To the extent consistent with applicable laws, Arborjet, Inc. warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, cautions and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. Arborjet, Inc. neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Arborjet, Inc. expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality of performance.

This warranty does not extend to, and the user shall be solely responsible for, any loss or damage that results from the use of this product in any manner that is inconsistent with this label's directions, or cautions.

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Distributed by:

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