

AzaMax...

Botanical Insecticide, Miticide, and Nematicide

REPELLANT, ANTIFEEDANT AND INSECT GROWTH REGULATOR (IGR)

INDOOR AND OUTDOOR VEGETABLES, ORNAMENTAL FLOWERS, TREES, SHRUBS AND PLANTS, INCLUDING PLANTS GROWN IN CONTAINERS, INTERIORSCAPES, HOME AND GARDEN USE.

> See the Directions for Use for Complete List of Insects Controlled.

NOT FOR COMMERCIAL USE

ACTIVE INGREDIENT:	% By Wt.
Azadirachtin	1.2%
OTHER INGREDIENTS	98.8%
	TOTAL 100.0%

Contains 0.35 grams azadirachtin per fluid ounce.

V FOR ORGANIC PRODUCTION

KEEP OUT OF REACH OF CHILDREN CAUTION

If inhaledMove person to fresh air. If person is not breathin call 911 or an ambulance, then give artific respiration, preferably mouth-to-mouth if possib Call poison control center or doctor for further tree ment advice.If on skin or clothingTake off contaminated clothing. Rinse skin immed ately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.If in eyesHold eye open and rinse slowly and gently with water		
or clothing ately with plenty of water for 15-20 minutes. Cal poison control center or doctor for treatment advice		
If in eves Hold eve open and rinse slowly and gently with wa		
for 15-20 minutes. Remove contact lenses present, after first 5 minutes, then continue rins eyes. Call a poison control center or doctor for tre- ment advice.		
If swallowed Call a poison control center or doctor immediately treatment advice. Have person sip a glass of wate able to swallow. Do not induce vomiting unless told do so by a poison control center or doctor.		
Have the product container or label with you when calling a		
poison control center or doctor or going for treatment.		
CALL THE POISION CONTROL CENTER HOTLINE 24 HOURS A DAY AT 1-888-478-0798		

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION - Harmful if absorbed through skin or if inhaled. Avoid breathing vapor. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates.

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. 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.

USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

MODE OF ACTION:

 $AzaMax_{Tw}$ controls target pests on contact or by ingestion. The product acts on pests by way of repellence, anti-feedance, and interference with the molting process.

Azadirachtin, an insect growth regulator (IGR), mimics the pests' hormones and disrupts distinct stages of growth and development of insects and mites. The primary mode of action of azadirachtin is an interference with synthesis and metabolism of ecdysone and the juvenile hormone. Ecdysone is the molting hormone of insects, and azadirachtin can regulate growth leading to death before or during molting.

I. USES FOR ORNAMENTALS AND LANDSCAPE PLANTINGS

AND LANDOUALE LEANTINGS		
Ornamental Plants and Flowers including but not limited to:	Actinopteris, African violets*, ageratum, aglaonema, Algerian ivy, allamanda, alocasia, amaranthus, anthurium, aphelandra, arborvitae, Artemisia, aster, aucuba ilex, azalea, baby's breath, begonia, Boston fern, bougainvillea, boxwood, brachycome, cacti, calabrese, caladium, calathea, calendula, calla, camellia, carnation, ceanothus, chrysanthemum, cineraria, coleus, columbine, cotoneaster, cyclamen, daffodil, dahlia, daisy, daylily, delphinium, dianthus, dieffenbachia, dogwood, dusty miller, Easter lily, English ivy, euphorbia, fern, ficus, foliage plants, foxglove, freesia, fuschia, gaillardia, gardenia, geranium, gerbera, gladiola, gloxinia, gypsophilla, hedera, hibiscus, hyacinth, hydrangea, ilex, impatiens, iris, ivy, jasmine, lilac, lily, maidenhair fern, mandevilla, marigold, narcissus, nasturtium, orchid*, pansy, pelargonium, peony, peperomia, petunia, philodendron, phlox, photinia, pinks, pittosporum, poinsettia*, pothos, portulaca, primrose, pyracantha, rhododendron, rose*, rosemary, rubber plant, salvia, schefflera, sedum, sempervivum, snapdragon, spathiphyllum, stock, syngonium, tulip, verbena, vinca, wandering jew, yucca, zinnia *Caution is recommended when making applications to these species. Spotting of plant foliage and blossoms is possible. <i>(cont. on next page)</i>	

I. USES FOR ORNAMENTALS AND LANDSCAPE PLANTINGS (cont.)

Ornamental Trees and Shrubs including but not limited to:	Andromeda, arborvitae, ash, Austrian pine, azalea, beech, birch, birdsnest spruce, blue spruce, bougainvillea, boxwood, butternut, cedar, charmaecyparis, cherry, cotoneaster, crabapple, cyprus, dogwood, Douglas fir, elm, euonymus, firethorn, forsythia, hackberry, hawthorn, hemlock, hickory, holly, honey locust, horse chestnut, juniper, larch, laurel, lilac, linden, London planetree, magnolia, mandevilla, maple, mimosa, mountain ash, myrtle, oak, pachysandra, peach, photinia, pine, planetree, poplar, privet, purpleleaf wintercreeper, quince,
	sage, spruce, sycamore, white cedar, white pine, yew

Waxy bloom on certain ornamental plants will be reduced after an AzaMax₁ application.

Applications of $AzaMax_{TM}$ will remove the glaucus 'blue' coloring from evergreens such as Colorado blue spruce and Koster spruce.

PESTS CONTROLLED OR SUPPRESSED

Use AzaMax_™ against the following pests.

TARGET PEST SPECIES OF AzaMax...

HEMIPTERA AND HOMOPTERA including but not limited to: true bugs including boxelder bugs, chinch bugs, lygus bugs and stink bug; lacebugs; leafhoppers including grape leafhopper, spittlebug, potato leafhopper; mealy bugs including apple mealy bugs, citrus mealy bugs, grape mealy bugs; whiteflies including greenhouse whitefly, silverleaf whitefly and sweet potato whitefly and woolly whitefly; aphids including apple aphid, green peach aphid, melon aphid, pea aphid, potato aphid and rose aphid; psyllids including pear psyllids and scales including black scale, brown soft scale, California red scale, Coffee scale, olive scale, San Jose scale.	LEPIDOPTERA including but not limited to: moths including European pine shoot moth, pine tip moth and Tussock moth; leafrollers including blueberry leafroller, filbert leafroller, fruitree leafroller, citrus leafminers, grape leafroller, oblique banded leafroller, citrus leafminers, grape leafroller, oblique banded leafroller, omnivorous leafroller; cutworms including black cutworm and citrus cutworm; caterpillars and loopers including bagworms, budworms, cabbage looper, canker worms, case bearers, caseworms, corn earworm, diamondback moth, fruit worms, grapeleaf skeletonizer, gypsy moth, hornworms, imported cabbageworm, navel orangeworm, soybean looper, spruce budworm, tent caterpillars, tobacco budworm, tobacco hornworm, tomato pinworm and tussock moth; armyworms including beet armyworm, fall armyworm, lawn armyworm, southern armyworm and yellow striped armyworm; webworms and leaf perforators.
COLEOPTERA including but not limited to: beetles, grubs and weevils including Asian long-horned beetle, bark beetles, black vine weevil, Colorado potato beetle, elm bark beetle, European chafer, flea beetles, Japanese beetle, June beetle, leaf beetles, Mexican bean beetle, Northern masked chafer, rose chafer and Southern masked chafer and twig girders.	DIPTERA including but not limited to: flies including Caribbean fruit fly, cherry maggots, crane fly, fungus gnat, Hessian fly, oriental fruit fly, Mediterranean fruit fly, marsh crane flies, melon fly, shore fly and walnut husk fly; leafminers including citrus leafminers and serpentine leafminers. (cont. on next column)

TARGET PEST SPECIES OF AzaMax₁₁₄ (cont.)

THYSANOPTERA including but not limited to: thrips including citrus thrips, flower thrips, gladiolus thrips, onion thrips, thrips palmi and Western flower thrips.	ACARINA including but not limited to: mites, red spider mites, brown mite, clover mite, conifer spider mite, European red mite, spruce spider mite, and two-spotted spider mite.		
ORTHOPTERA including but not limited to: crickets; grasshoppers; locusts	HYMENOPTERA including but not limited to: sawflies including European sawflies, pear sawflies, red-headed pine sawflies, yellow-headed pin sawflies.		
NEMATODA Nematodes (suppression)			

SPRAY PREPARATION

AzaMax_{TM} is an emulsifiable concentrate to be diluted with water.

This product forms an emulsion and will separate upon extended or prolonged standing. Re-agitate to assure uniformity of the spray mixture.

Prepare only the volume needed for the intended application, and use the spray mixture within 24 hours of preparation.

TANK MIXTURES

 $AzaMax_{TM}$ is an emulsifiable concentrate and is compatible with commonly used pesticides and fertilizers. Always check the physical compatibility using a jar test in the correct proportions if needed.

If a broader spectrum of control is required tank-mix **AzaMax**_{TM} with insecticides or miticides. If a rapid knockdown of heavy populations is necessary, then include an effective contact insecticide/miticide in combination with **AzaMax**_{TM}.

Always read and follow the directions for use, precautions and limitations for use on all product labels used in combination. *Applications must follow the precautions and limitations of the most restrictive product label in the mixture. Do not exceed the dosage rates of any product.*

Select the right companion products:

IPM uses a variety of control options including biological, chemical, and cultural practices. AzaMax_{TM} is botanical with growth regulator effect on insects and mites. Companion products include pyrethroids, spinosyns, microbial toxins, and chloronicotinyls that complement azadirachtin. Formulations of bifenthrin, spinosad, abamectins, and imidacloprid are effective for different pests. Select the product that has been proven to provide adequate performance for the pests you are trying to control.

Physical Incompatibility

Do not use **AzaMax**TM with Captan, Bordeaux mixture, triphenyltin hydroxide, lime sulfur, Rayplex iron or other highly alkaline materials as they can cause phytotoxicity and/or reduced efficacy on some target pests. Phytotoxicity will occur if tank-mix combinations with compounds known to be incompatible with oil-based formulations are used.

APPLICATION EQUIPMENT

Ground Equipment

Apply **AzaMax** with hand-operated (manual) or power spray equipment suitable for low volume and/or high volume applications. Follow the recommendations of the equipment manufacturer when using backpack sprayers, hose-end sprayers, compression (pump-up) sprayers, and other sprayers suitable for foliar applications of insecticides.

APPLICATION SCHEDULE

For the most effective control, apply the product when pests are expected to appear or as soon as possible after pests appear and are in immature stages. Spray at an interval of seven (7) to ten (10) days or as the situation warrants.

During high pest infestation levels or when canopy is dense use higher dosage (use) rates and increase the spray frequency. Spraying in the morning or evening hours is recommended. Repeat spraying if rain occurs within two to three hours of spraying. For additional guidance, consult with your state agricultural experiment station or local extension horticulturalist/arborist for information on tactics and windows of application.

FOLIAR APPLICATION RATES FOR ORNAMENTALS and LANDSCAPE PLANTINGS

		AMOUNTS OF AZAMAX™
USE	SPRAY CONCENTRATION%	FLUID OUNCES PER GALLON
Including trees, shrubs, flowers, conifers, evergreens,	Lower rate ranges of 0.25 - 0.75% vol/vol:	0.32-1.0 fl.oz.
herbaceous ornamentals, foliage plants, container-	Medium rate ranges of 0.75 - 1.25% vol/vol:	1.00-1.60 fl.oz.
grown ornamentals, plants and groundcovers	Upper rate ranges of 1.25 - 1.70% vol/vol:	1.60-2.18 fl.oz.

DRENCH APPLICATION FOR INTERIORSCAPES AND FOR PLANTS GROWN IN CONTAINERS:

Use **AzaMax**_m as a soil drench for effective control of soil-borne insect larvae, including soil-borne larvae of foliar pests, such as fungus gnats, nematodes, or soil borne thrips. When applying as a drench, avoid excessive leaching.

II. USES FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, FRUITS AND BERRIES

INSTRUCTIONS FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, FRUITS, AND BERRIES

- For the most effective control, spray the product as soon as possible after pests appear and are in immature stages.
- Spray at an interval of seven to ten days or as the situation warrants. During high pest infestation levels use higher label rates and increase the spray frequency.
- Spraying in the morning or evening hours is recommended.
- Repeat spraying if rain occurs within two to three hours of spraying.

Preventive applications as a soil drench may be warranted for certain pests. Soil drench applications of azadirachtin will have a slower rate of activity because of soil absorption when compared to foliar applications of **AzaMax**_m. Target the initial application of a soil drench treatment to coincide with the early stages of young larvae and young nymphs.

Dilute **AzaMax**_m with water for concentrations of 0.4 to 0.8% vol/vol. Drench the soil in the pot with one (1) pint of finished spray per 1.0 gallon of soil. For fungus gnats, use the 0.4% spray concentration. For mushroom fly maggot control, use the 0.6% vol/vol spray concentration. For leafminers and other difficult to control pests, use the 0.8% vol/vol spray concentration. Two to three (2-3) applications should be scheduled at 10-14 day intervals until the pest pressure has ended.

DILUTION TABLE FOR DRENCH APPLICATIONS

Gallons of	Amount of AzaMax _{TM}		Application	Number of	
Water	0.4%	0.6%	0.8%	Interval	Applications
1 gallon	1 Tbs.	1.5 Tbs.	2.0 Tbs.	10 - 14 days	2 - 3
5 gallons	2.7 fl.oz.	4.0 fl.oz.	5.5 fl.oz.	10 - 14 days	2 - 3
10 gallons	5.4 fl.oz.	8.0 fl.oz.	11.0 fl.oz.	10 - 14 days	2 - 3

 $\textbf{AzaMax}_{\tiny TM}$ can also be applied through sub-surface treatment equipment. Always follow manufacturer's use directions.

USE RATES

Apply $AzaMax_{m}$ as directed to any food or non-food crop up to and including the day of harvest, at a maximum rate of 1.33 fl.ozs. per 1,000 sq.ft. per application.

Apply **AzaMax**_™ alone to food/garden crops on the day of harvest.

Dilute this product with water at 0.5 - 4.0 tablespoons (Tbs) per gallon of water. For hose end sprayers, set the RATE PER GALLON at the dial setting of 1 to 4 Tbs. depending on the crop and pests. Use the lower RATE PER GALLON for low to moderate infestations and use the higher specified RATE PER GALLON for severe infestations.

USE RATES FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, BERRIES AND FRUIT.

		Dilution Rate for Sprayers	
CROP	PESTS such as:	FI.Ozs. of product per 1,000 Sq.Ft.	Tbs. of product per 1.0 gallon of water
Leafy Vegetables including but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive, Kale, Lettuce, Spinach	Leafrollers, Cutworms, Loopers, Armyworms	0.19 - 0.96 fl.ozs.	¾ Tbs 4 Tbs./gal
	True Bugs, Leafhoppers, Whiteflies, Aphids, Beetles, Weevils, Flies, Thrips, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal
Root Vegetables, including but not limited to: Beet, Carrot, Horseradish, Parsnip, Potato, Radish, Sweet potato, Turnip,	Beetles, Weevils True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers,	0.11 - 0.25 fl.ozs. 0.24 - 0.96 fl.ozs.	½ Tbs 1½ Tbs./gal 1 Tbs 4 Tbs./gal
Yams Fruiting Vegetables including but not limited	Armyworms, Flies, Thrips, Mites Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal
to: Eggplant, Pepper, Tomatillo, Tomato	Thrips True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.29 - 0.96 fl.ozs. 0.24 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal 1 Tbs 4 Tbs./gal
Cucurbit Vegetables including but not limited to: Cucumber, Gourd (edible), Muskmelon, Pumpkin, Squash, Watermelon, including Cantaloupe, Casaba, Gherkins, Melons (including hybrids), Zucchini	Beetles, Weevils Thrips True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.29 - 0.96 fl.ozs. 0.29 - 0.96 fl.ozs. 0.24 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal 2 Tbs 4 Tbs./gal 1 Tbs 4 Tbs./gal

(cont. on next page)

USE RATES FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, BERRIES AND FRUIT (cont.).

			Dilution Rate for Sprayers	
CROP	PESTS such as:	FI.Ozs. of product per 1,000 Sq.Ft.	Tbs. of product per 1.0 gallon of water	
Legume Vegetables including but not limited	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
to: Bean, Chickpea, Lentil, Pea	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Bulb Vegetables including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Garlic, Onion, Shallot	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Berries including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Blackberry, Blueberry, Raspberry,	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Strawberry, others include: Boysenberry, Currants, Dewberry, Elderberry, Gooseberry, Loganberry	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Herbs and Spices including but not limited	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
to: Chive, Dill, Fennel, Mustard, Sage, Sweet bay, others include: Anise, Balm,	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Basil, Black pepper, Borage, Caraway, Catnip, Chamomile, Coriander, Cumin, Curry leaf, Dandelion, Fenugreek, Horehound, Hyssop, Marjoram, Marigold, Mint, Nasturtium, Pennyroyal, Peppermint, Rosemary, Savory, Spearmint, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Nut Trees including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Almond, Brazil nut, Filbert, Hickory nut, Pecan, Pistachios, Walnut	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Pecan, Pistachios, wainut	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Pome Fruits including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Apple, Quince, or Pear (Comice varieties: DO NOT apply more than 24 fl oz/A. DO	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
NOT apply after pink stage of flowering; test small areas of other varieties of pears for plant safety prior to full scale useage.)	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Stone Fruits including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Apricot, Cherry, Nectarine, Peach, Plum	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	
Citrus Fruits including but not limited to:	Beetles, Weevils	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
Grapefruit, Lemon, Lime, Orange others	Thrips	0.29 - 0.96 fl.ozs.	2 Tbs 4 Tbs./gal	
include: Citrus Citron, Mandarin (tangerine), Nectarine, Satsuma (orange mandarin), Tangerine	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.24 - 0.96 fl.ozs.	1 Tbs 4 Tbs./gal	

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE:

Store in original containers in a dry, cool, well-ventilated area.

PESTICIDE DISPOSAL:

If empty: Do not refill or reuse this container. Offer for recycling if available.

If partly filled: Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE ON CONDITIONS OF SALE

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of PARRY AMERICA INC. All such risks shall be assumed by the user or buyer.

AzaMax_™ is a trademark of PARRY AMERICA INC.