



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 1, 2015

Lisa Adamson
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Subject: Notification per PRN 98-10 – Addition of “back panel” to redirect statement
Product Name: Lambda 0.5% Concentrate
EPA Registration Number: 53883-197
Application Date: 11-17-2015
Decision Number: 511335

Dear Ms. Adamson:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Julie Breeden at 703-347-0511 or via email at breeden.julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", enclosed within a hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

LAMBDA 0.5% CONCENTRATE
[alt. name Martin's Cyonara™ Lawn & Garden Insect Control]
[alt. name Martin's Cyonara™ Lawn & Garden Insect Control Ready To Spray]

For outdoor use around the home only.

[Optional Marketing Statements]

- [Protects Lawns, Vegetables, Roses, Flowers, Trees, Shrubs.]*
- [Controls Ants, Aphids, Chinch Bugs, Cutworms, Flea Beetles, Grubs, Mites, Sod Webworms & many more.]*
- [Kills Lawn and Garden Insects, including grubs, chinch bugs, European crane flies, fleas, fire ants mosquitoes, sod webworms, aphids, Japanese beetles, whiteflies, ants, mites, deer ticks, and other listed insects.]*
- [Broad Spectrum (Insect Killer) (Insecticide) (Concentrate).]*
- [Concentrated Insect Spray.]*
- [For soil and turf insect control.]*
- [For Broadcast and Barrier use.]*
- [For Lawn (Garden) Insects.]*
- [Kills and Repels Insects.]*
- [Kills Pests Outside the Home for Up to 8 Weeks (2 months).]*
- [Kills Pests on Outdoor Surfaces for Up to 8 Weeks (2 months).]*
- [Low odor (formula).]*
- [Fast Acting Formula.]*
- [Works (Kills) in 24 hours.]*
- [Kills 130+ Pests on contact.]*
- [Long-lasting insect protection.]*
- [Non-staining.]*
- [Connect and Spray (optional for hose-end sprayer).]*
- [Makes up to 128 gallons.]*
- [Covers up to 16,000 sq. ft. of lawn.]*
- [Kills Fire Ants in 24 hours.]*
- [Kills the Fire Ant Mound.]*
- [Kills the Queen and the Mound.]*
- [Controls Fire Ants for up to 4 Weeks.]*
- [Covers up to 16,000 sq. ft.]*
- [Fast acting with up to 8 weeks Residual]*
- [Controls Mosquitoes, Chinch Bugs, Fleas, Grubs, Aphids, Fire Ants & Mites]*
- [Ready To Spray](when sold in ready to spray packaging)*

NOTIFICATION

53883-197

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/01/2015

Active Ingredient:

Lambda-cyhalothrin	0.5%
Other Ingredients:	<u>99.5%</u>
Total:	100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See attached [\[back panel\]](#) booklet for additional precautionary statements.

EPA Reg. No. 53883-197

EPA Est. No. 53883-TX-002

Net Contents _____

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

First Aid	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If swallowed:	<ul style="list-style-type: none">• Call a Poison Control Center or doctor immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a Poison Control Center or doctor.• Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none">• 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.
You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.	

Environmental Hazards

This product is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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.

Do not allow children or pets into the treated area until dry.

Do not water the treated area to the point of run-off.

Do not make applications during rain.

In New York State, this product may not be applied to lawns within 100 ft. of a coastal marsh, or stream that drains directly into a coastal marsh.

READ THE ENTIRE LABEL BEFORE USE.

GENERAL INFORMATION

Lambda 0.5% Concentrate kills grubs, ants, fleas, chinch bugs, mosquitoes, sod webworms, aphids, beetles, whiteflies, mites, deer ticks, Japanese beetles, European crane flies, fire ants and other listed insects.

MIXING AND APPLICATION

1. Apply as directed.
2. In a CLEAN sprayer, measure and mix the amount of product and water as stated in the tables below.
3. When handling pesticide products, it is a good idea to wear disposable gloves. Do not use kitchen utensils such as measuring cups and spoons for food purposes after they have been used with pesticides.
4. Spray as directed. It is important to achieve complete coverage.
5. Flush sprayer with clean water following each use.

Treat when insects begin to appear and repeat treatment to maintain control only as directed. Apply as directed, keeping in mind that complete coverage is crucial. Make certain to follow the important use limitations such as, the amount of spray to apply and the PHI (Pre-Harvest Interval) for the particular vegetable you are treating.

MEASUREMENT CONVERSIONS

- 1 tablespoon = 3 teaspoons
- 1 fl. oz. = 6 teaspoons or 2 tablespoons
- 6 fl. oz. = ¾ cup
- 1 ½ tablespoons in 3 gallons of water = 1 ½ teaspoons in 1 gallon of water
- 2 tablespoons in 3 gallons of water = 2 teaspoons in 1 gallon of water

NOTE: This product is non-staining to most home siding depending on age and cleanliness. Prior to applying this product to areas that may contact home siding (vinyl siding in particular), test in a hidden area and recheck in a few hours. If any staining is observed, do not use this product.

LAWNS

APPLICATION INSTRUCTIONS: Measure the area to be sprayed and follow the mixing instructions in the tables below. Treat when insects begin to appear and repeat treatment to maintain control as directed. Apply as directed, keeping in mind that complete coverage is crucial.

Underground Insects/Thatch Infesting Insects

Pests	Rate	Comments
Blue grass billbug ¹ (adult) Black turfgrass Ataenius (adult) Chiggers Chinch bugs White grubs ² (Japanese beetle, European chafer, Southern chafer) Dung beetle Hyperodes weevils (adult) European crane flies Mole crickets (nymphs and young adults)	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 125 sq. ft. Mix 4 fl. oz. in 8 gallons of water to treat 1,000 sq. ft.	Sub-surface insect control (mole crickets & grubs): For the best results water the treated area with an additional ¼ to ½ inch of water. 1 quart of Lambda 0.5% Concentrate treats 8,000 sq. ft. Do not apply more than 7 times per year per location.

¹ Treat Billbugs in May, or when first noticed.

² Treat for Grubs from the beginning of July to the end of October or when first noticed.

Surface Insects

Pests	Rate	Comments
Ants* Armyworms Cockroaches Crickets Cutworms Earwigs Fleas Lawn moths (sod webworms) Millipedes Mosquitoes Palmetto bugs Sowbugs Mites Spittlebugs Deer ticks (which may transmit Lyme Disease) Waterbugs	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 250 sq. ft. Mix 2 fl. oz. (4 tablespoon) in 4 gallons of water to treat 1000 sq. ft.	Completely wet grass a few hours prior to application. To achieve the best control of surface insects, postpone additional watering or mowing for 24 hours following treatment. The use rate can be increased to 3 fl. oz. per 1,000 sq. ft. for heavy insect infestations. 1 quart of Lambda 0.5% Concentrate treats 16,000 sq. ft. Do not apply more than 14 times per year per location.
*Argentine, Southern, Field, Alleghent mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.		

PESTS OUTSIDE THE HOME

Lambda 0.5% Concentrate is for use on ornamental plants next to building foundations, to surfaces of porches, buildings, screens, overhangs, window frames, garages, patios and other areas where these pests are active.

BARRIER APPLICATION INSTRUCTIONS: Treat when insects begin to appear and repeat treatment to maintain control as directed. Apply a continuous band of insecticide around the foundation of the building, windows, vents, overhangs, doors and other areas to significantly decrease possible access by crawling pests. For optimum results, remove any leaf litter and debris around the foundation. Cut back any branches or vegetation that come into contact with the foundation. Rake back deep mulch and remove any other material that may serve as harborage sites for pests.

Outdoor Surfaces Use

Pests	Rate	Comments
Ants* Centipedes Cockroaches Crickets Fleas Millipedes Mosquitoes Palmetto bugs Scorpions Sowbugs Pillbugs Spiders Deer ticks Waterbugs	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water.	Apply a 3 ft. band around the building and upwards along the foundation to 3 feet and around windows, doors, and roof overhangs. Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. 1 gallon will treat 250 sq. ft. of surface area. Repeat treatment every 8 weeks (2 months).

*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Conrfield, Honey, Pavement, Nuisance.

FIRE ANT MOUNDS

Mix 1.0 fl. oz. (2 tablespoons) in 1 gallon of water and thoroughly wet each mound and a 4 ft. diameter surrounding the mound. To achieve optimum results, treat in cool weather (65°-80°F), or in the early morning or late evening hours. Apply to new mounds as they appear and do not disrupt mounds before treatment. Kills the entire mound and the queen in 24 hours.

[MOSQUITO CONTROL:

Application Instructions: Measure the area to be sprayed and follow the mixing instructions in the tables below. Treat when insects begin to appear and repeat treatment to maintain control as directed. Apply as directed, keeping in mind that complete coverage is crucial.

Lawns: Completely wet grass a few hours prior to application. To achieve the best control of surface insects, postpone additional watering or mowing for 24 hours following treatment.

Mix 0.5 oz. (1 tablespoon) in 1 gallon of water to treat 250 sq. ft. Mix 2 oz. (4 tablespoons) in 4 gallons of water to treat 1,000 sq. ft. One quart of Lambda 0.5% Concentrate treats 16,000 sq. ft. The use rate can be increased to 3 fl. oz. per 1,000 sq. ft. for heavy insect infestations. Do not apply more than 14 times per year per location.

Outdoor Surfaces: ornamental plants next to building foundations, to surfaces of porches, buildings, screens, overhangs, window frames, garages, patios and other areas where these pests are active. Mix 0.5 oz (1 tablespoon) in 1 gallon of water. Apply a 3 ft. band around the building and upwards along the foundation to 3 feet and around windows, doors, and roof overhangs. Thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. One gallon treats 250 square feet. Repeat treatments every 8 weeks (2 months).] [OPTIONAL DIRECTIONS TO BE USED WHEN MARKETING THIS PRODUCT SPECIFICALLY FOR MOSQUITOS]

ORNAMENTAL TREES, SHRUBS AND FLOWERS

APPLICATION INSTRUCTIONS: Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For optimum results, apply early prior to high insect populations. Repeat applications as directed to maintain control.

NOTE:

- For **Scale** control, treat the whole plant, including the stem, trunks, and twigs.
- For **Bagworm** control, apply when bagworm larvae start to hatch.

Use Sites	Rate	Insects Controlled
For use on ornamental trees, shrubs and flowers, such as, but not limited to: Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemums, Carnations, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping	Mix 0.25 fl. oz. (1/2 tablespoon) in 1 gallon of water.	Ants*, Armyworms, Aphids, Azalea caterpillar, Bagworms, Black vine weevil (Adult), Boxelder bugs, Budworms, Cankerworms, Cockroaches, Crickets, Cutworms, Eastern tent caterpillar, Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Gypsy moth larvae, Japanese beetles (Adults), June beetles (Adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (Adults), Leaf rollers, Leaf

Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.		skeletonizers, Midges, Oleander moth larvae, Pillbug, Pine sawfly, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae
	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water.	Broadmites, Brown softscale, California redbelt (crawler), Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whiteflies
* Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.		

VEGETABLES

APPLICATION INSTRUCTIONS: Apply when insects first appear or when damage occurs. For complete coverage, spray all plant surfaces that are infested with pests. Make certain to follow the important use limitations such as, the amount of spray to apply and the PHI (Pre-Harvest Interval) for the particular vegetable you are treating.

RATE: Measure the area to be sprayed. Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water per 300 sq. ft.

NOTE: Do not apply more than 5 times per growing season to corn. For all other crops do not apply more than 9 times per growing season.

Vegetables	Insects Controlled	PHI*
Broccoli Brussels Sprouts Cabbage Cavalo Broccoli Cauliflower Chinese Broccoli Chinese Cabbage Chinese Mustard Kohlrabi	Alfalfa Looper, Aphid, Armyworm, Beet Armyworm, Cabbage Looper, Cabbage Webworm, Corn Earworm, Cutworm, Diamondback Moth, Fall Armyworm, Flea Beetle, Grasshopper, Imported Cabbageworm, Japanese Beetle (Adult), Leafhopper, Lygus Bug, Meadow Spittlebug, Plant Bug, Southern Cabbageworm, Spider Mite, Stink Bug, Thrips, Yellow-striped Armyworm, Whitefly	1
Corn (sweet and pop)	Armyworm, Bean Leaf Beetle, Beet Armyworm, Cereal Leaf Beetle, Chinch Bug, Corn Earworm, Corn Leaf Aphid, Cutworm, English Grain Aphid, European Corn Borer, Grasshopper, Green Bug, Green Cloverworm, Hop Vine Borer, Japanese Beetle (Adult), Meadow Spittlebug, Mexican Corn Rootworm Beetle (Adult), Northern Corn Rootworm Beetle (Adult), Sap Beetle (Adult), Southern Corn Rootworm Beetle (Adult), Southwestern Corn Borer, Stalk Borer, Stink Bug, Tobacco Budworm, Western Bean Cutworm, Western Corn Rootworm Beetle (Adult)	21
Corn (sweet only)	Aphid, Aster Leafhopper, Corn Silkfly (Adult), Southern Armyworm, Spider Mite, Tarnished Plant Bug, Western Bean Cutworm	21

Lettuce (head and leaf)	Aphid, Alfalfa Looper, Armyworm, Beet Armyworm, Cabbage Looper, Corn Earworm, Cutworm, Diamondback Moth, European Corn Borer, Fall Armyworm, Flea Beetle, Grasshopper, Green Cloverworm, Imported Cabbageworm, Japanese Beetle (Adult), Leafhopper, Meadow Spittlebug, Plant Bug, Saltmarsh Caterpillar, Southern Armyworm, Spider Mite, Stink Bug, Tobacco Budworm, Vegetable Weevil (Adult), Whitefly	1
Onion (bulb) and Garlic	Aphid, Armyworm, Cutworm, Flower Thrips, Leafminer (Adult), Onion Maggot (Adult), Onion Thrips, Plant Bug, Seedcorn Maggot (Adult), Stink Bug, Tobacco Thrips, Western Flower Thrips	14
Tomato and Tomatillo	Aphid, Beet Armyworm, Cabbage Looper, Colorado Potato Beetle, Cutworm spp., European Corn Borer, Fall Armyworm, Flea Beetle, Grasshopper, Hornworm, Leafhopper, Leafminer, Meadow Spittlebug, Plant Bug, Southern Armyworm, Stink Bug, Tobacco Budworm, Tomato Fruitworm, Tomato Pinworm, Yellow-striped Armyworm, Whitefly	5
* PHI = Pre-Harvest Interval. Number of days to wait between the last application and harvest.		

[OPTIONAL READY SPRAY NOZZLE DIRECTIONS

APPLICATION INSTRUCTIONS

Determine the area to be treated. For lawns, measure the area to be sprayed. For trees, shrubs and flowers, apply as a thorough cover spray. Treat when insects begin to appear and repeat treatment to maintain control only as directed. Apply as directed, keeping in mind that complete coverage is crucial. Make certain to follow the important use limitations such as, the amount of spray to apply and the PHI (Pre-Harvest Interval) for the particular vegetable you are treating.

Ready Spray Nozzle Instructions

1. Shake container well before use.
2. Connect the Ready to Spray nozzle to a hose, making sure that the dial on the nozzle is in the "OFF" position with the (green) safety tab in the valve notch.
3. Turn on water. Begin treatment on the furthest area and work back toward the faucet so that you do not come in contact with treated areas.
4. To START spraying, direct nozzle toward treatment area and bend the (green) safety tab back (located at the right of the yellow dial) and hold while turning the yellow dial counter clockwise until it stops. Water will automatically mix with the product.
5. Spray desired area until wet to control insect pests. Evenly spray the area by walking at a steady pace and sweep evenly, slightly overlapping treated areas.
6. To STOP spraying, turn the dial counter clockwise **quickly** until it stops and the safety tab engages into the notch on the valve. Turn the water off. To ease pressure before removing nozzle from the hose, bend the safety tab back and dial "ON" until water stops spraying.
7. Make sure the dial is in the "OFF" position with (green) safety tab in the valve notch to store unused product. Keep in a cool area away from heat, sunlight or open flame.]

NOTE: This product is non-staining to most home siding depending on age and cleanliness.

Prior to applying this product to areas that may contact home siding (vinyl siding in particular), test in a hidden area and recheck in a few hours. If any staining is observed, do not use this product.

LAWNS

APPLICATION INSTRUCTIONS: Measure the area to be sprayed and follow the mixing instructions in the tables below. Treat when insects begin to appear and repeat treatment to maintain control as directed. Apply as directed, keeping in mind that complete coverage is crucial.

Underground Insects/Thatch Infesting Insects

Pests	Comments
Blue grass billbug ¹ (adult) Black turfgrass Ataenius (adult) Chiggers Chinch bugs White grubs ² (Japanese beetle, European chafer, Southern chafer) Dung beetle Hyperodes weevils (adult) European crane flies Mole crickets (nymphs and young adults)	Sub-surface insect control (mole crickets & grubs): For the best results water the treated area with an additional ¼ to ½ inch of water. 1 quart of Lambda 0.5% Concentrate treats 8,000 sq. ft. Do not apply more than 7 times per year per location.
¹ Treat Billbugs in May, or when first noticed.	
² Treat for Grubs from the beginning of July to the end of October or when first noticed.	

Surface Insects

Pests	Comments
Ants* Armyworms Cockroaches Crickets Cutworms Earwigs Fleas Lawn moths (sod webworms) Millipedes Mosquitoes Palmetto bugs Sowbugs Mites Spittlebugs Deer ticks (which may transmit Lyme Disease) Waterbugs	Completely wet grass a few hours prior to application. To achieve the best control of surface insects, postpone additional watering or mowing for 24 hours following treatment. The use rate can be increased to 3 fl. oz. per 1,000 sq. ft. for heavy insect infestations. 1 quart of Lambda 0.5% Concentrate treats 16,000 sq. ft. Do not apply more than 14 times per year per location.
*Argentine, Southern, Field, Alleghent mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.	

[MOSQUITO CONTROL:

Application Instructions: Measure the area to be sprayed and follow the mixing instructions in the tables below. Treat when insects begin to appear and repeat treatment to maintain control as

directed. Apply as directed, keeping in mind that complete coverage is crucial.

Lawns: Completely wet grass a few hours prior to application. To achieve the best control of surface insects, postpone additional watering or mowing for 24 hours following treatment.

1 quart of Lambda 0.5% Concentrate treats 16,000 sq. ft. Do not apply more than 14 times per year per location.

Outdoor Surfaces: ornamental plants next to building foundations, to surfaces of porches, buildings, screens, overhangs, window frames, garages, patios and other areas where these pests are active. Apply a 3 ft. band around the building and upwards along the foundation to 3 feet and around windows, doors, and roof overhangs. Thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. Repeat treatments every 8 weeks (2 months).] [OPTIONAL DIRECTIONS TO BE USED WHEN MARKETING THIS PRODUCT SPECIFICALLY FOR MOSQUITOS]

TREATMENT TIMES: Treat the following pests during the months stated or when they first appear.

[Insert table here]

ORNAMENTAL TREES, SHRUBS AND FLOWERS

APPLICATION INSTRUCTIONS: Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. Penetrate dense foliage. Wet leaves and branches to the point of runoff. For optimum results, apply early prior to high insect populations. Repeat applications as directed to maintain control.

NOTE:

- For **Scale** control, treat the whole plant, including the stem, trunks, and twigs.
- For **Bagworm** control, apply when bagworm larvae start to hatch.

Use Sites	Insects Controlled
<p>For use on ornamental trees, shrubs and flowers, such as, but not limited to:</p> <p>Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemums, Carnations, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.</p>	<p>Ants*, Armyworms, Aphids, Azalea caterpillar, Bagworms, Black vine weevil (Adult), Boxelder bugs, Budworms, Cankerworms, Cockroaches, Crickets, Cutworms, Eastern tent caterpillar, Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Gypsy moth larvae, Japanese beetles (Adults), June beetles (Adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (Adults), Leaf rollers, Leaf skeletonizers, Midges, Oleander moth larvae, Pillbug, Pine sawfly, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae</p> <p>Broadmites, Brown softscale, California redscale (crawler), Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whiteflies</p>
<p>* Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.</p>	

VEGETABLES

APPLICATION INSTRUCTIONS: Apply when insects first appear or when damage occurs. For complete coverage, spray all plant surfaces that are infested with pests and penetrate dense foliage. Make certain to follow the important use limitations such as, the amount of spray to apply and the PHI (Pre-Harvest Interval) for the particular vegetable you are treating.

NOTE: Do not apply more than 5 times per growing season to corn. For all other crops do not apply more than 9 times per growing season. 1 qt. will treat 19,200 sq. ft. of vegetable plants.

Vegetables	Insects Controlled	PHI*
Broccoli Brussels Sprouts Cabbage Cavalo Broccoli Cauliflower Chinese Broccoli Chinese Cabbage Chinese Mustard Kohlrabi	Alfalfa Looper, Aphid, Armyworm, Beet Armyworm, Cabbage Looper, Cabbage Webworm, Corn Earworm, Cutworm, Diamondback Moth, Fall Armyworm, Flea Beetle, Grasshopper, Imported Cabbageworm, Japanese Beetle (Adult), Leafhopper, Lygus Bug, Meadow Spittlebug, Plant Bug, Southern Cabbageworm, Spider Mite, Stink Bug, Thrips, Yellow-striped Armyworm, Whitefly	1
Corn (sweet and pop)	Armyworm, Bean Leaf Beetle, Beet Armyworm, Cereal Leaf Beetle, Chinch Bug, Corn Earworm, Corn Leaf Aphid, Cutworm, English Grain Aphid, European Corn Borer, Grasshopper, Green Bug, Green Cloverworm, Hop Vine Borer, Japanese Beetle (Adult), Meadow Spittlebug, Mexican Corn Rootworm Beetle (Adult), Northern Corn Rootworm Beetle (Adult), Sap Beetle (Adult), Southern Corn Rootworm Beetle (Adult), Southwestern Corn Borer, Stalk Borer, Stink Bug, Tobacco Budworm, Western Bean Cutworm, Western Corn Rootworm Beetle (Adult)	21
Corn (sweet only)	Aphid, Aster Leafhopper, Corn Silkfly (Adult), Southern Armyworm, Spider Mite, Tarnished Plant Bug, Western Bean Cutworm	21
Lettuce (head and leaf)	Aphid, Alfalfa Looper, Armyworm, Beet Armyworm, Cabbage Looper, Corn Earworm, Cutworm, Diamondback Moth, European Corn Borer, Fall Armyworm, Flea Beetle, Grasshopper, Green Cloverworm, Imported Cabbageworm, Japanese Beetle (Adult), Leafhopper, Meadow Spittlebug, Plant Bug, Saltmarsh Caterpillar, Southern Armyworm, Spider Mite, Stink Bug, Tobacco Budworm, Vegetable Weevil (Adult), Whitefly	1
Onion (bulb) and Garlic	Aphid, Armyworm, Cutworm, Flower Thrips, Leafminer (Adult), Onion Maggot (Adult), Onion Thrips, Plant Bug, Seedcorn Maggot (Adult), Stink Bug, Tobacco Thrips, Western Flower Thrips	14

Tomato and Tomatillo	Aphid, Beet Armyworm, Cabbage Looper, Colorado Potato Beetle, Cutworm spp., European Corn Borer, Fall Armyworm, Flea Beetle, Grasshopper, Hornworm, Leafhopper, Leafminer, Meadow Spittlebug, Plant Bug, Southern Armyworm, Stink Bug, Tobacco Budworm, Tomato Fruitworm, Tomato Pinworm, Yellow-striped Armyworm, Whitefly	5
* PHI = Pre-Harvest Interval. Number of days to wait between the last application and harvest.]		

STORAGE AND DISPOSAL

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

Storage: Store in cool, dry area away from children and domestic animals.

Disposal: If empty: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Do not rinse unless required for recycling. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

If partly filled: Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground.

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