

53883-197

8-8-2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES.

Amy Warren  
Registration Specialist  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

AUG 8 2008

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Ms. Warren:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated June 10, 2008 for:

<b>EPA Registration 53883-197</b>	<b>Lambda 0.5% Concentrate</b>
<b>EPA Registration 53883-178</b>	<b>Bifenthrin 2.4 MEC</b>
<b>EPA Registration 53883-145</b>	<b>Lambda 9.7% EW Insecticide</b>
<b>EPA Registration 53883-229</b>	<b>IMI 2 LB Insecticide</b>

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



June 10, 2008

Document Processing Desk (NOTIF)  
 Office of Pesticide Programs  
 U.S. Environmental Protection Agency  
 One Potomac Yard  
 2777 S. Crystal Drive  
 Arlington, VA 22202.

**Re: Notification per (PR) Notice 2007-4, Labeling Revisions required by the Final Rule  
 "Pesticide Management and Disposal"  
 Lambda 0.5% Concentrate EPA Reg. No. 53883-197**

Dear Sir or Madam:

Enclosed is a Notification for (PR) 2007-4; See highlighted text on attached labeling.

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Carroll Draper'.

Carroll Draper  
 Registration Specialist  
 Control Solutions, Inc.

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 53883 - 197	2. EPA Product Manager George LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Lambda 0.5% Concentrate	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, TX 77507-1041 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <b>NOTIFICATION</b> Product Name <b>AUG 08 2008</b>	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 1 GAL 5 GAL 55 GAL 250 GAL 70 L	5. Location of Label Directions <input checked="" type="checkbox"/> on label			
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Carroll Draper	Title Registration Specialist	Telephone No. (Include Area Code) 800-242-5562
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Carroll Draper	5. Date 06-10-08	

**NOTIFICATION**

**AUG 08 2008**

**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.]*

**Active Ingredient:**

Lambda-cyhalothrin ..... 0.5%

Other Ingredients: ..... 99.5%

Total: ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See attached 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.

<b>First Aid</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a Poison Control Center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a Poison Control Center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
For medical emergencies call SafetyCall (866) 897-8050.	

**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.

**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.**

**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 <sup>1</sup> (adult) Black turfgrass <i>Ataenius</i> (adult) Chiggers Chinch bugs White grubs <sup>2</sup> (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.

<sup>1</sup> Treat Billbugs in May, or when first noticed.  
<sup>2</sup> 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	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 250 sq. ft.	Completely wet grass a few hours prior to application.  To achieve the best control of surface

Cutworms Earwigs Fleas Lawn moths (sod webworms) Millipedes Mosquitoes Palmetto bugs Sowbugs Mites Spittlebugs Deer ticks (which may transmit Lyme Disease) Waterbugs	Mix 2 fl. oz. (4 tablespoon) in 4 gallons of water to treat 1000 sq. ft.	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, Cornfield, 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.

## 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
<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>Mix 0.25 fl. oz. (1/2 tablespoon) in 1 gallon of water.</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>Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water.</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. 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 <sup>1</sup> (adult) Black turfgrass Ataenius (adult) Chiggers Chinch bugs White grubs <sup>2</sup> (Japanese beetle, European chafer, Southern chafer) Dung beetle Hyperodes weevils (adult) European crane flies Mole crickets (nymphs and	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.

young adults)
<sup>1</sup> Treat Billbugs in May, or when first noticed.
<sup>2</sup> Treat for Grubs from the beginning of July to the end of October or when first noticed.

**Surface Insects**

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

\*Argentine, Southern, Field, Alleghent mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

**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
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,	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,

<i>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.</i>	<i>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</i>
	<i>Broadmites, Brown softscale, California redscale (crawler), Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whiteflies</i>
<i>* Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.</i>	

## 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. Wet leaves and branches to the point of runoff. 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*
<i>Broccoli Brussels Sprouts Cabbage Cavalo Broccoli Cauliflower Chinese Broccoli Chinese Cabbage Chinese Mustard Kohlrabi</i>	<i>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</i>	1
<i>Corn (sweet and pop)</i>	<i>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)</i>	21
<i>Corn (sweet only)</i>	<i>Aphid, Aster Leafhopper, Corn Silkfly (Adult), Southern Armyworm, Spider Mite, Tarnished Plant Bug, Western Bean Cutworm</i>	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.

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