


4-469

6/10/2008

1 of 17

 <p align="center"> <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  <b>Office of Pesticide Programs</b>  <b>Registration Division (7505P)</b>  <b>Ariel Rios Building</b>  <b>1200 Pennsylvania Ave., NW</b>  <b>Washington, D.C. 20460</b> </p>	EPA Reg. Number:  <b>4-469</b>	Date of Issuance:  <b>JUN 10 2008</b>
	Term of Issuance: <b>Conditional</b>	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)		Name of Pesticide Product:  <b>Bonide Lambda 0.5% Concentrate</b>
Name and Address of Registrant (include ZIP Code):  <b>Bonide Products, Inc.</b> <b>6301 Sutliff Road</b> <b>Oriskany, NY 13424</b>		
<p><b>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</b></p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p><b>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</b></p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>2. Submit the results of a one-year Storage Stability study, Guideline 830.6317, and Corrosion Characteristics study, Guideline 830.6320, under warehouse conditions. It is required that the observations be made at 0, 3, 6, 9, and 12 month intervals. Upon completion of the study, the results should be submitted in electronic and hard copy format.</li> <li>3. Submit to the EPA Analytical Laboratory the analytical method used for the to determination of the active ingredient (enforcement analytical method) at the following address:             EPA Analytical Laboratory            701 Mapes Road            Ft. Meade, MD 20755-5350         </li> <li>4. Make the labeling changes listed below before you release the product for shipment:             <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 4-469".</li> </ol> </li> </ol>		
Signature of Approving Official: <b>George LaRocca</b> <b>Product Manager 13</b> <b>Insecticide Branch</b> <b>Registration Division (7505P)</b>		Date:  <b>JUN 10 2008</b>

- b. On both the concentrate and ready-to-spray labels, under the heading DIRECTIONS FOR USE, in the New York State limitation correct "costal" to read "coastal".
- c. On both the concentrate and ready-to-spray labels, in the title for Table 1 revise "Insect" to read "Insects".
- d. On both the concentrate and ready-to-spray labels, include the label revisions for the Storage and Disposal section specified by PR Notice 2007-4, which is available at [www.epa.gov/opppmsd1/PR Notices/pr2007-4.pdf](http://www.epa.gov/opppmsd1/PR%20Notices/pr2007-4.pdf).
- e. On both the concentrate and ready-to-spray labels, in the Hazards to Humans and Domestic Animals add the following as the first sentence: "Harmful if swallowed."
- f. On both the concentrate and ready-to-spray labels, in the first sentence under the heading FIRST AID correct "of going for treatment" to read "or going for treatment".
- g. On both the concentrate and ready-to-spray labels, include the label revisions for the Environmental Hazards section specified by PR Notice 2008-1, which is available at [www.epa.gov/opppmsd1/PR Notices/pr2008-1.pdf](http://www.epa.gov/opppmsd1/PR%20Notices/pr2008-1.pdf).
- h. On both the concentrate and ready-to-spray labels, above the sentence beginning "Seller warrants that this product..." add a heading such as WARRANTY.

Submit three copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

30f17

[VERSION A – CONCENTRATE PACKAGING]



ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

JUN 10 2008  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
4-469

### LAMBDA 0.5% CONCENTRATE

#### Optional Marketing Statements

- Protects lawns, vegetables, roses, flowers, trees, shrubs
- Kills [Controls] [For use on] Lawn & Garden insects, including ants, aphids, chinch bugs, cutworms, deer ticks, European crane flies, fire ants, flea beetles, fleas, grubs, Japanese beetles, mites, mosquitoes, sod webworms, whiteflies and many more [other] listed insects.
- Broad spectrum insect killer [insecticide][concentrate]
- Concentrated insect spray [killer]
- For soil and turf insect control
- For broadcast and barrier use
- Kills & repels insects
- Kills insects [pests] outside the home [on outdoor surfaces] for up to 8 weeks [2 months]
- Low odor, non-staining [formula]
- Fast acting [formula] [insect killer] [with up to 8 weeks residual]
- Works [kills] in 24 hours
- Kills 130+ [over 130] pests [insects] on contact
- Long-lasting insect protection
- Makes up to 128 gallons (for qt size container – volume will vary as appropriate to packaging size)
- Covers up to 16,000 sq. ft. [of lawn] (for qt size container – volume will vary as appropriate to packaging size)
- 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 [1 month]

#### ACTIVE INGREDIENT:

Lambda-cyhalothrin ..... 0.5%

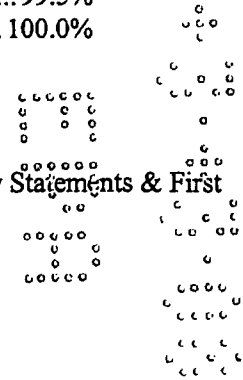
OTHER INGREDIENTS: ..... 99.5%

TOTAL: ..... 100.0%

**Keep Out of Reach of Children**

### CAUTION

See back/side/other panel(s) or attached booklet for additional Precautionary Statements & First Aid.



**Net Contents: 1QT (32 fl oz) (946 mL)**

**READ THE ENTIRE LABEL BEFORE USE**

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

**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.]

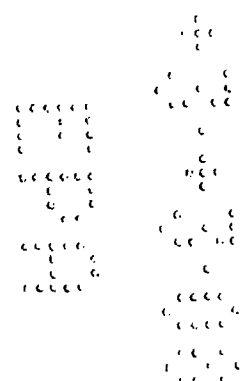
**Mixing and Application**

1. Using a clean sprayer, measure and mix the amounts of product and water as directed in the following table(s) [Use Rate Table(s)]
2. Do not use kitchen utensils such as measuring cups and spoons for food purposes after they have been used with pesticides.
3. Spray as directed – complete coverage is important.
4. Flush sprayer with clean water after use.
5. Treat when insects begin to appear and repeat treatments to maintain control as directed.
6. Carefully follow all label directions and any limitations of use, such as the amount of spray to apply or PHI (pre-harvest interval) for particular vegetable crops.

**Measurement Conversions:**

- 1 Tablespoon (Tbs) = 3 teaspoons (tsp)
- 1 fl oz = 2 Tbs = 6 tsp
- 6 fl oz =  $\frac{3}{4}$  cup
- $1\frac{1}{2}$  Tbs in 3 gallons of water =  $1\frac{1}{2}$  tsp in 1 gallon of water
- 2 Tbs in 3 gallons of water = 2 tsp in 1 gallon of water

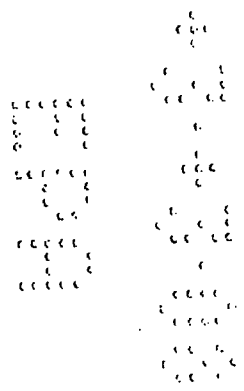
Note: This product is non-staining to most home siding, depending on age and cleanliness. Prior to applying this product to areas that may contact home siding (including vinyl siding), test in a hidden area and recheck in a few hours. If any staining is observed, do not use this product.



**LAWNS:** Measure the area to be sprayed. See **Table 1-Underground and/or Thatch Infesting Insects** and **Table 2-Surface Insects** for use rates and instructions.

<b>Table 1. Underground and/or Thatch Infesting Insect</b>		
<b>Pests</b>	<b>Use Rate</b>	<b>Instructions</b>
Bluegrass billbug <sup>1</sup> (adult), Black turfgrass Ataenius (adult), Chiggers, Chinch bugs, White grubs <sup>2,3</sup> (Japanese beetle, European chafer, Southern chafer), Dung beetle, Hyperodes weevils (adult), European crane flies, Mole crickets <sup>3</sup> (nymphs & young adults)	0.5 fl oz (1 Tbs) in 1 gallon of water to cover 125 sq. ft. - or - 4 fl oz (½ cup) in 8 gallons of water to cover 1,000 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 in early July to (or when first noticed) through October.  <sup>3</sup> Sub-surface (mole crickets & grubs): Water treated area with ¼ to ½ inch of water following application..

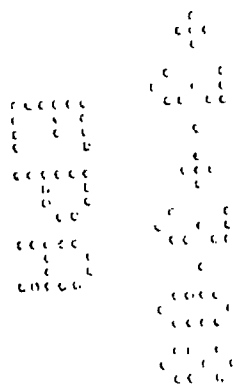
<b>Table 2. Surface Insects</b>		
<b>Pests</b>	<b>Use Rate</b>	<b>Instructions</b>
Ants <sup>1</sup> , Armyworms, Cockroaches, Crickets, Cutworms, Earwigs, Fleas, Lawn Moths (sod webworms), Millipedes, Mosquitoes, Palmetto bugs, Sowbugs, Mites, Spittlebugs, Deer ticks (which may transmit lime disease), Waterbugs	For Light to <u>Moderate Infestations</u> 0.5 fl oz (1 Tbs) in 1 gallon of water to cover 250 sq. ft. - or - 2 fl oz (¼ cup) in 4 gallons of water to cover 1,000 sq. ft.	Do not apply more than 14 times per year per location.  Do not water or mow for 24 hours following application.
<sup>1</sup> Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.	<u>Heavy Infestations</u> 3 fl oz (6 Tbs) in 4 gallons of water to cover 1,000 sq. ft.	



**PESTS OUTSIDE THE HOME:** Use on ornamental plants next to building foundations and other outdoor surfaces where these pests are active, including porches, buildings, screens, overhangs, window frames, garages and patios. See **Table 3-Outdoor Surface Barrier Application** for use rates and instructions.

<b>Table 3. Outdoor Surface Barrier Application</b>		
<b>Pests</b>	<b>Use Rate</b>	<b>Instructions</b>
Ants <sup>1</sup> , Centipedes, Cockroaches, Crickets, Earwigs, Fleas, Millipedes, Mosquitoes, Palmetto bugs, Scorpions, Sowbugs, Pillbugs, Spiders, Deer ticks (which may transmit lime disease), Waterbugs  <sup>1</sup> Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.	0.5 fl oz (1 Tbs) in 1 gallon of water to cover 250 sq. ft. of surface area	For best results, remove any leaf litter or debris from area prior to treating. Cut back branches or vegetation that contact foundation. Rake back mulch and remove any other material that may serve as harborage sites for pests.  Apply a continuous 3 ft. band as a coarse spray to thoroughly and uniformly wet the treated area around the foundation of buildings, windows, vents, overhangs, doors and other areas to reduce access by crawling insects.  Repeat treatment every 8 weeks [2 months], as needed.

**FIRE ANT MOUNDS:** Mix 1 fl oz (2 Tbs) in 1 gallon of water. Do not disrupt mound before treatment. Thoroughly wet each mound and surrounding 4 ft. area. For best results, treat in cool weather (65°-80°F) or in the early morning or late evening hours. Apply to new mounds as they appear.



**MOSQUITO CONTROL:** Use on lawns, ornamental plants next to building foundations and other outdoor surfaces where these pests are active, including porches, buildings, screens, overhangs, window frames, garages and patios. See **Table 4-Outdoor Mosquito Control** for use rates and instructions.

<b>Table 4. Outdoor Mosquito Control</b>		
<b>Use Site</b>	<b>Use Rate</b>	<b>Instructions</b>
Lawns	<p>For Light to <u>Moderate Infestations</u> 0.5 fl oz (1 Tbs) in 1 gallon of water to cover 250 sq. ft. - or - 2 fl oz (¼ cup) in 4 gallons of water to cover 1,000 sq. ft.</p> <p><u>Heavy Infestations</u> 3 fl oz (6 Tbs) in 4 gallons of water to cover 1,000 sq. ft.</p>	<p>Completely wet grass a few hours prior to application. After application, do not water or mow for 24 hours.</p> <p>Do not apply more than 14 times per year per location.</p>
Outdoor Surfaces including ornamental plants next to building foundations, porches, buildings, screens, overhangs, window frames, garages, patios and other areas where mosquitoes are active	<p>0.5 fl oz (1 Tbs) in 1 gallon of water to cover 250 sq. ft. - or - 2 fl oz (¼ cup) in 4 gallons of water to cover 1,000 sq. ft.</p>	<p>Apply a continuous 3 ft. band around the building and 3 ft. upwards along the foundation and around windows, doors, roof overhangs and other areas where mosquitoes may be active. Apply as a coarse spray to thoroughly and uniformly wet the treated area.</p> <p>Repeat treatment every 8 weeks [2 months], as needed.</p>

**ORNAMENTAL TREES, SHRUBS & FLOWERS:** Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply early – prior to high insect infestations. See **Table 5-Ornamental Trees, Shrubs & Flowers Pest Control** for use rates and insects controlled.

<b>Table 5. Ornamental Trees, Shrubs &amp; Flowers Pest Control</b>		
<b>Use Site</b>	<b>Use Rate</b>	<b>Insects Controlled</b>
Ornamental Trees, Shrubs & Flowers including (but not limited to): Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemum, Carnation, 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.	0.25 fl oz (½ Tbs) in 1 gallon of water to cover 250 sq. ft.	Ants <sup>1</sup> , 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 beetle (adults), June beetles (adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Midges, Oleander moth larvae, Pillbugs, 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  <sup>1</sup> Argentine, Allegheny mound, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.
	0.5 fl oz (1 Tbs) in 1 gallon of water	Broadmites, Brown soft scale, California red scale (crawler), Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whiteflies



**VEGETABLES:** Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply when insects first appear or damage occurs. See **Table 6-Vegetable Garden Insect Control** for use rates, crops, pre-harvest interval (PHI) and insects controlled.

<b>6. Vegetable Garden Insect Control</b>		
<b>Use Rate:</b> 0.5 fl oz (1 Tbs) in 1 gallon of water to cover 300 sq. ft.		<b>Instructions:</b> Do not exceed pre-harvest interval* (number of days to wait between last application and harvest) for treated vegetables. Do not apply more than 5 times per growing season for corn. For all other crops, do not apply more than 9 times per growing season.
<b>Crop</b>	<b>PHI*</b>	<b>Insects Controlled</b>
Broccoli, Brussels sprouts, Cabbage, Cavalo broccoli, Cauliflower, Chinese broccoli, Chinese cabbage, Chinese mustard, Kohlrabi	1 day	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Cabbage webworm, Corn earworm, Cutworm, Diamondback moth, Fall armyworm, Flea beetle, Grasshopper, Imported cabbageworm, Japanese beetle <sup>1</sup> , Leafhopper, Lygus bug, Meadow spittlebug, Plant bug, Southern cabbageworm, Spider mite, Stink bug, Thrips, Yellow-striped armyworm, Whitefly  <sup>1</sup> adult stages
Corn (sweet & pop)	21 days	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 <sup>1</sup> , Meadow spittlebug, Mexican corn rootworm beetle <sup>1</sup> , Northern corn rootworm beetle <sup>1</sup> , Sap beetle <sup>1</sup> , Southern corn rootworm beetle <sup>1</sup> , Southwestern corn borer, Stalk borer, Stink bug, Tobacco budworm, Western bean cutworm, Western corn rootworm beetle <sup>1</sup>  <sup>1</sup> adult stages
Corn (sweet only)	21 days	Aphid, Aster leafhopper, Corn silkfly <sup>1</sup> , Southern armyworm, Spider mite, Tarnished plant bug, Western bean cutworm  <sup>1</sup> adult stages
Lettuce (head & leaf)	1 day	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Corn earworm, Cutworm, Diamondback moth, European corn borer, Fall armyworm, Flea beetle, Grasshopper, Green cloverworm, Imported cabbageworm, Japanese beetle <sup>1</sup> , Leafhopper, Meadow spittlebug, Plant bug, Saltmarsh caterpillar, Southern armyworm, Spider mite, Stink bug, Tobacco budworm, Vegetable weevil, Whitefly  <sup>1</sup> adult stages
Onion (bulb) & Garlic	14 days	Aphid, Armyworm, Cutworm, Flower thrips, Leafminer <sup>1</sup> , Onion maggot <sup>1</sup> , Onion thrips, Plant Bug, Seedcorn

		maggot <sup>1</sup> , Stink bug, Tobacco thrips, Western flower thrips <sup>1</sup> adult stages
Tomato & Tomatillo	5 days	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

### STORAGE & DISPOSAL

**Pesticide Storage:** Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.

**Pesticide Disposal:** *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** *If empty* -- Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION:** 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, of going for treatment. You may also contact the National Pesticide Information Center at 1-800-585-7378 for emergency medical treatment information.

<b>If swallowed</b>	Call a Poison Control Center or doctor immediately for treatment advice. Have 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.
<b>If in eyes</b>	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.

**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.

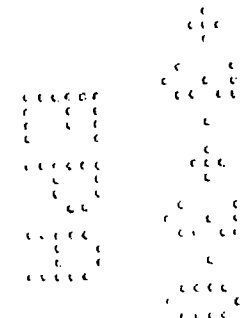
Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.

**Bonide Products, Inc.**

6301 Sutliff Road, Oriskany, NY 13424

[batch code inserted at production]



[VERSION B – READY-TO-SPRAY APPLICATOR PACKAGING]



### LAMBDA 0.5% CONCENTRATE

[Additional Brand Name(s): BONIDE® LAMBDA READY-TO-SPRAY]

Optional Marketing Statements

- Protects lawns, vegetables, roses, flowers, trees, shrubs
- Kills [Controls] [For use on] Lawn & Garden insects, including ants, aphids, chinch bugs, cutworms, deer ticks, European crane flies, fire ants, flea beetles, fleas, grubs, Japanese beetles, mites, mosquitoes, sod webworms, whiteflies and many more [other] listed insects.
- Broad spectrum insect killer [insecticide][concentrate]
- Concentrated insect spray [killer]
- For soil and turf insect control
- For broadcast and barrier use
- Kills & repels insects
- Kills insects [pests] outside the home [on outdoor surfaces] for up to 8 weeks [2 months]
- Low odor, non-staining [formula]
- Fast acting [formula] [insect killer] [with up to 8 weeks residual]
- Works [kills] in 24 hours
- Kills 130+ [over 130] pests [insects] on contact
- Long-lasting insect protection
- Connect and Spray
- Covers up to 16,000 sq. ft. [of lawn] (for qt size container – volume will vary as appropriate to packaging size)
- 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 [1 month]

**ACTIVE INGREDIENT:**

Lambda-cyhalothrin ..... 0.5%

**OTHER INGREDIENTS:** ..... 99.5%

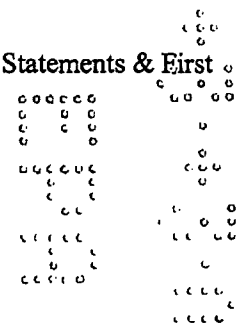
**TOTAL:** ..... 100.0%

**Keep Out of Reach of Children**

## CAUTION

See back/side/other panel(s) or attached booklet for additional Precautionary Statements & First Aid.

**Net Contents:** 1QT (32 fl oz) (946 mL)



**READ THE ENTIRE LABEL BEFORE USE**

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

**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.]

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 (including vinyl siding), test in a hidden area and recheck in a few hours. If any staining is observed, do not use this product.

**Application:** Spray as directed – complete coverage is important. Treat when insects begin to appear and repeat treatments to maintain control as directed. Carefully follow all label directions and any limitations of use, such as the amount of spray to apply or PHI (pre-harvest interval) for particular vegetable crops.

**Ready-to-Spray Nozzle Instructions:**

1. Make sure knob control lever is in "OFF" position, then connect sprayer to garden hose.
2. When spraying low growing groundcovers, lawns and small shrubs, twist the sprayer hood to the "FAN" position. When spraying taller Trees, Shrubs and Ornamentals, twist the sprayer hood to the "STREAM" position for extended reach and uniform coverage.
3. Turn water on at the faucet. To begin spraying, turn [rotate] knob control lever to the "ON" position. The product mixes automatically with the water as you spray.
4. To stop spraying, turn knob control lever to the "OFF" position. Turn off water at the faucet. To relieve pressure, turn knob control lever to the "ON" position and point the sprayer away from any desirable plants before disconnecting the spray nozzle from the garden hose.

**LAWNS:** Measure the area to be sprayed. See **Table 1-Underground and/or Thatch Infesting Insects** and **Table 2-Surface Insects** for use rates and instructions.

<b>Table 1. Underground and/or Thatch Infesting Insect</b>		
<b>Pests</b>	<b>Use Rate</b>	<b>Instructions</b>
Bluegrass billbug <sup>1</sup> (adult), Black turfgrass Ataenius (adult), Chiggers, Chinch bugs, White grubs <sup>2,3</sup> (Japanese beetle, European chafer, Southern chafer), Dung beetle, Hyperodes weevils (adult), European crane flies, Mole crickets <sup>3</sup> (nymphs & young adults)	1 QT (32 fl oz) 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 in early July to (or when first noticed) through October.  <sup>3</sup> Sub-surface (mole crickets &

		grubs): Water treated area with ¼ to ½ inch of water following application..
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<b>Table 2. Surface Insects</b>		
<b>Pests</b>	<b>Use Rate</b>	<b>Instructions</b>
<p>Ants<sup>1</sup>, Armyworms, Cockroaches, Crickets, Cutworms, Earwigs, Fleas, Lawn Moths (sod webworms), Millipedes, Mosquitoes, Palmetto bugs, Sowbugs, Mites, Spittlebugs, Deer ticks (which may transmit lime disease), Waterbugs</p> <p><sup>1</sup>Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.</p>	<p>1 QT (32 fl oz) treats 16,000 sq. ft.</p>	<p>Do not apply more than 14 times per year per location.</p> <p>Do not water or mow for 24 hours following application.</p>

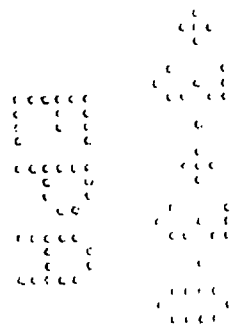
**MOSQUITO CONTROL:** Use on lawns, ornamental plants next to building foundations and other outdoor surfaces where these pests are active, including porches, buildings, screens, overhangs, window frames, garages and patios. See **Table 3-Outdoor Mosquito Control** for use rates and instructions.

<b>Table 3. Outdoor Mosquito Control</b>		
<b>Use Site</b>	<b>Use Rate</b>	<b>Instructions</b>
Lawns	<p>1 QT (32 fl oz) treats 16,000 sq. ft.</p>	<p>Completely wet grass a few hours prior to application. After application, do not water or mow for 24 hours.</p> <p>Do not apply more than 14 times per year per location.</p>
Outdoor Surfaces including ornamental plants next to building foundations, porches, buildings, screens, overhangs, window frames, garages, patios and other areas where mosquitoes are active		<p>Apply a continuous 3 ft. band around the building and 3 ft. upwards along the foundation and around windows, doors, roof overhangs and other areas where mosquitoes may be active. Apply as a coarse spray to thoroughly and uniformly wet the treated area.</p> <p>Repeat treatment every 8 weeks [2 months], as needed.</p>

**ORNAMENTAL TREES, SHRUBS & FLOWERS:** Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply early – prior to high insect infestations. See **Table 4-Ornamental Trees, Shrubs & Flowers Pest Control** for use rates and insects controlled.

<b>Table 4. Ornamental Trees, Shrubs &amp; Flowers Pest Control</b>	
<b>Use Site</b>	<b>Insects Controlled</b>
Ornamental Trees, Shrubs & Flowers including (but not limited to): Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemum, Carnation, 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>Ants<sup>1</sup>, Armyworms, Aphids, Azalea caterpillar, Bagworms<sup>2</sup>, Black vine weevil (adult), Boxelder bugs, Broadmites, Brown soft scale<sup>2</sup>, Budworms, California red scale<sup>2</sup> (crawler), Cankerworms, Clover mites, Cockroaches, Crickets, Cutworms, Eastern tent caterpillar, Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Gypsy moth larvae, Japanese beetle (adults), June beetles (adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Mealybugs, Midges, Oleander moth larvae, Pillbugs, Pine sawfly, Pine shoot beetles, Pineneedle scale<sup>2</sup> (crawler), Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects<sup>2</sup> (crawlers), Spiders, Spider mites, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae, Whiteflies</p> <p><sup>1</sup>Argentine, Allegheny mound, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.</p> <p><sup>2</sup>For bagworm control, apply when bagworm larvae start to hatch.</p> <p><sup>3</sup>For scale control, treat the whole plant, including the stem, trunks and twigs.</p>

**VEGETABLES:** Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply when insects first appear or damage occurs. Do not exceed pre-harvest interval\* (number of days to wait between last application and harvest) for treated vegetables. Do not apply more than 5 times per growing season for corn. For all other crops, do not apply more than 9 times per growing season. See **Table 5-Vegetable Garden Insect Control** for crops, pre-harvest interval (PHI) and insects controlled.



5. Vegetable Garden Insect Control		
Crop	PHI*	Insects Controlled
Broccoli, Brussels sprouts, Cabbage, Cavalo broccoli, Cauliflower, Chinese broccoli, Chinese cabbage, Chinese mustard, Kohlrabi	1 day	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Cabbage webworm, Corn earworm, Cutworm, Diamondback moth, Fall armyworm, Flea beetle, Grasshopper, Imported cabbageworm, Japanese beetle <sup>1</sup> , Leafhopper, Lygus bug, Meadow spittlebug, Plant bug, Southern cabbageworm, Spider mite, Stink bug, Thrips, Yellow-striped armyworm, Whitefly  <sup>1</sup> adult stages
Corn (sweet & pop)	21 days	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 <sup>1</sup> , Meadow spittlebug, Mexican corn rootworm beetle <sup>1</sup> , Northern corn rootworm beetle <sup>1</sup> , Sap beetle <sup>1</sup> , Southern corn rootworm beetle <sup>1</sup> , Southwestern corn borer, Stalk borer, Stink bug, Tobacco budworm, Western bean cutworm, Western corn rootworm beetle <sup>1</sup>  <sup>1</sup> adult stages
Corn (sweet only)	21 days	Aphid, Aster leafhopper, Corn silkfly <sup>1</sup> , Southern armyworm, Spider mite, Tarnished plant bug, Western bean cutworm  <sup>1</sup> adult stages
Lettuce (head & leaf)	1 day	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Corn earworm, Cutworm, Diamondback moth, European corn borer, Fall armyworm, Flea beetle, Grasshopper, Green cloverworm, Imported cabbageworm, Japanese beetle <sup>1</sup> , Leafhopper, Meadow spittlebug, Plant bug, Saltmarsh caterpillar, Southern armyworm, Spider mite, Stink bug, Tobacco budworm, Vegetable weevil <sup>1</sup> , Whitefly  <sup>1</sup> adult stages
Onion (bulb) & Garlic	14 days	Aphid, Armyworm, Cutworm, Flower thrips, Leafminer <sup>1</sup> , Onion maggot <sup>1</sup> , Onion thrips, Plant Bug, Seedcorn maggot <sup>1</sup> , Stink bug, Tobacco thrips, Western flower thrips  <sup>1</sup> adult stages
Tomato & Tomatillo	5 days	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



**STORAGE & DISPOSAL**

**Pesticide Storage:** Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.

**Pesticide Disposal:** *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** *If empty* -- Non-refillable container. Do not reuse or refill this container unless directions for use allow a different (concentrated) product to be diluted in the container. Offer for recycling, if available.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** 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, of going for treatment. You may also contact the National Pesticide Information Center at 1-800-585-7378 for emergency medical treatment information.

<b>If swallowed</b>	Call a Poison Control Center or doctor immediately for treatment advice. Have 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.
<b>If in eyes</b>	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.

**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.

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.

**Bonide Products, Inc.**  
6301 Sutliff Road  
Oriskany, NY 13424

[batch code inserted at production]