



LAMBDA-CYHALOTHRIN

GROUP

3A

INSECTICIDE

# CYONARA HOME & GARDEN

## INSECT CONTROL READY-TO-SPRAY

For outdoor use around the home only.

### ACTIVE INGREDIENT:

Lambda-cyhalothrin: ..... **0.5%**

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

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

Contains 0.04 lbs. Lambda- cyhalothrin per gallon.

EPA Reg. No. 53883-197

EPA Est. No. 53883-TX-002



KEEP OUT OF REACH OF CHILDREN

**CAUTION**

Open for Precautionary Statements,  
First Aid and Complete Directions for Use

**NET CONTENTS: ONE QUART**



ONE APPLICATION  
**8 WEEKS**  
PROTECTION\*

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FOR OUTDOOR USE AROUND THE HOME ONLY



**SOD  
WEBWORMS**



**MOSQUITOES**



**FLEAS**

- Simply attach to hose and spray
- Won't harm plants or blooms
- Can be used on vegetable gardens
- 1 bottle covers up to 16,000 sq. ft of lawn



KILLS  
**500+  
PESTS**  
ON CONTACT

\*excluding public health pests

**NET CONTENTS: ONE QUART**

## **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>   |
| You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.           |   |

#### **DIRECTIONS FOR USE**

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

#### **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.

### **PRODUCT INFORMATION**

This product provides control against listed backyard nuisance pests: mosquitoes, ants, cockroaches, fleas, and other listed pests. Simply connect to hose and spray for 8 weeks protection.

#### **RESTRICTIONS**

- Do not apply as a broadcast application using a backpack sprayer on landscaping and turf.
- Do not apply to residential lawns and turf in residential settings (e.g. homes, parks, schools, athletic fields, or any other area frequented by the general public.
- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.
- Do not allow children or pets into the treated area until dry.
- Do not apply when the wind speed is greater than 10mph. Do not apply to residential lawns and turf in residential settings (e.g. homes, parks, schools, athletic fields, or any other area frequented by the general public.
- Do not treat pets with this product.
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
- All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
  1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
  2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
  3. Applications to underside of eaves, soffits, doors, or windows permanently protected



from rainfall by a covering, overhang, awning, or other structure;

4. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
  5. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
  - Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
  - Do not allow the product to enter any drain during or after application.
  - Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
  - Do not apply or irrigate to the point of runoff.
  - Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

**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.**

#### **APPLICATION INSTRUCTIONS**

Determine the area to be treated. 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. 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.

- One quart (32 oz.) (0.01 lbs. Lambda-cyhalothrin) to treat up to 8,000-16,000 sq. ft.
- Do not make more than 7 applications per year per location at the one quart (32 oz.) per 8,000 sq. ft. rate
- Do not make more than 14 applications per year per location at the one quart (32 oz.) per 16,000 sq. ft. rate

### **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.

## **PESTS OUTSIDE THE HOME**

Martin's Cynara Home & Garden Insect Control Ready-To-Spray is for use on ornamental plants next to building foundations, to surfaces of buildings and screens.

**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 and to a maximum height of 2 ft. 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  | Comments  |
|--|---|
| Ants*(except for fire, pharaoh, harvester and carpenter ants)<br>Centipedes<br>Cockroaches<br>Crickets<br>Fleas<br>Millipedes<br>Mosquitoes<br>Palmetto bugs<br>Scorpions<br>Sowbugs<br>Pillbugs<br>Spiders<br>Waterbugs       | Apply a 3 ft. band around the building and upwards along the foundation to 2 feet. 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.<br><br>32 ounces (1 bottle) treats 16,000 sq. ft.<br><br>Repeat treatment every 8 weeks (2 months). |
| *Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance, odorous, pyramid, black turf, white-footed, Crazy, Little Black, Ghost, Thief, Acrobat, Citronella, Big-headed, Lasius. |   |

#### Restrictions:

- Do not make more than 14 applications per year per location at the 1 quart (32 fl. oz.) per 16,000 sq. ft. rate.

#### FIRE ANT MOUNDS

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.

- **Restrictions:** Do not make more than 14 applications per year per location at the one quart (32 oz.) per 16,000 sq. ft. rate

## **MOSQUITO CONTROL:**

**Application Instructions:** Measure the area to be sprayed. 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.

### **Restrictions:**

- Do not make more than 14 applications per year per location at the one quart (32 oz.) per 16,000 sq. ft. rate

**Outdoor Surfaces:** ornamental plants next to building foundations, buildings, screens. Apply a 3 ft. band around the building and upwards along the foundation to 2 feet. 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).

## **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 including:</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* (excluding fire, pharaoh, harvester and carpenter) , Armyworms, Aphids, Azalea caterpillar, Bagworms, Black vine weevil (Adult), California oakworm, Boxelder bugs, Budworms, Cankerworms, Cicadas, 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, Ladybeetles, Leaf feeding caterpillars, Leafhoppers, Leafminers (Adults), Leaf rollers, Leaf skeletonizers, Kudzu bugs, Midges, Moths, Oleander moth larvae, Pillbug, Pine sawfly, Pine shoot beetles, Pinetip moths, 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), Gypsy 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, Odorous, Pyramid, Black turf, White-footed, Crazy, Little Black, Ghost, Thief, Acrobat, Citronella, Big-headed, Lasius.</p>   |  |

#### Restrictions:

- One quart (32 oz.) (0.01 lbs. Lambda-cyhalothrin) to treat up to 8,000-16,000 sq. ft.
- Do not make more than 7 applications per year per location at the one quart (32 oz.) per 8,000 sq. ft. rate
- Do not make more than 14 applications per year per location at the one quart (32 oz.) per 16,000 sq. ft. rate

## 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.

| Vegetables  | Insects Controlled  | PHI* |
|---|---|------|
| Broccoli<br>Brussels Sprouts<br>Cabbage<br>Cavalo Broccoli<br>Cauliflower<br>Chinese Broccoli<br>Chinese Cabbage<br>Chinese Mustard<br>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<br>(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<br>(sweet only)  | Aphid, Aster Leafhopper, Corn Silkfly (Adult), Southern Armyworm, Spider Mite, Tarnished Plant Bug, Western Bean Cutworm  | 21   |

*(continued)*

| <b>Vegetables</b>   | <b>Insects Controlled</b>   | <b>PHI*</b> |
|---|---|-------------|
| Lettuce<br>(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<br>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<br>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. |   |             |

**Restrictions:**

- One quart (32 oz.) (0.01 lbs. Lambda-cyhalothrin) to treat up to 16,000 sq. ft.
- Do not make more than 9 applications per year per location for vegetable treatment
- Do not make more than 5 applications per year per location for corn

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in cool, dry area away from children and domestic animals.

**CONTAINER HANDLING:** If **empty:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available: then dispose of container in a sanitary landfill. 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.

### LIMITATION OF WARRANTY AND LIABILITY

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, **CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

**IT IS CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE**



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



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## KEEP OUT OF REACH OF CHILDREN CAUTION

See attached booklet for additional  
precautionary statements.

### First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If swallowed:** 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:** 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.

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Hazards to Humans and Domestic Animals

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## NET CONTENTS: ONE QUART



ADAMA

Manufactured by  
**Control Solutions Inc.**  
5903 Genoa-Red Bluff, Pasadena, TX 77507  
A member of Adama  
Consumer and Professional Solutions

EPA 072224