

LAMBDA-CYHALOTHRIN | GROUP 3A | INSECTICIDE



CYONARA

LAWN & GARDEN

INSECT CONTROL

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.

KEEP OUT OF REACH OF CHILDREN
CAUTION

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



0 72693 31984 4

EPA Reg. No. 53883-197
EPA Est. No. 53883-TX-002

EPA061121

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.

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.

RESTRICTIONS

- 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.
- 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.
- All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
 - (1) Treatment to soil or vegetation around structures;
 - (2) Applications to lawns, turf, and other vegetation;
 - (3) Applications to building foundations, up to a maximum height of 3 feet.
- Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

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.

PRODUCT INFORMATION

Cyonara Lawn & Garden kills grubs, ants, fleas, chinch bugs, mosquitoes, sod webworms, aphids, beetles, whiteflies, mites, 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. = 3/4 cup

1 1/2 tablespoons in 3 gallons of water = 1 1/2 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. For best results, apply after mowing to a lawn that is 3 inches or less at the time of application.

Underground Insects/Thatch Infesting Insects

Pests	Rate	Comments
Blue grass billbug ¹ (adult)	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 125 sq. ft.	Sub-surface insect control (mole crickets & grubs): For the best results water the treated area with an additional 1/4 to 1/2 inch of water.
Black turfgrass Ataenius (adult)		
Chiggers	Or Mix 4 fl. oz. in 8 gallons of water to treat 1,000 sq. ft.	1 quart of Cyonara Lawn & Garden treats 8,000 sq. ft.
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)		
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.		

Restrictions:

- Do not apply more than 4 fl. oz (0.00125 lbs. Lambda-cyhalothrin) per 1,000 sq. ft. per application.
- Do not make more than 7 applications per year per location.

Surface Insects

Pests	Rate	Comments
Ants*(except for fire, pharaoh, harvester and carpenter ants)	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.
Armyworms	Or	To achieve the best control of surface insects, postpone additional watering or mowing for 24 hours following treatment.
Cockroaches		
Crickets	Mix 2 fl. oz. (4 tablespoons) in 4 gallons of water to treat 1000 sq. ft.	The use rate can be increased to 3 fl. oz. per 1,000 sq. ft. for heavy insect infestations.
Cutworms		
Earwigs	1 quart of Cyonara Lawn & Garden treats 16,000 sq. ft. at the 2 fl. oz. per 1,000 sq. ft. rate.	
Fleas		
Ladybeetles		
Lawn moths (sod webworms)		
Millipedes		
Mosquitoes		
Moths		
Palmetto bugs		
Sowbugs		
Mites		
Spittlebugs		
Waterbugs		
*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.		

PESTS OUTSIDE THE HOME

Cyonara Lawn & Garden is for use on ornamental plants next to building foundations, to surfaces of buildings.

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, vents up to a maximum height of 3 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.

Restrictions:

- Do not apply more than 3 fl. oz (0.00094 lbs. Lambda-cyhalothrin) per 1,000 sq. ft. per application.
- Do not make more than 9 applications per year per location at 3 fl. oz per 1,000 sq. ft. rate.
- Do not make more than 14 applications per year per location at 2 fl. oz. per 1,000 sq. ft. rate.

Outdoor Surfaces Use

Pests	Rate	Comments
Ants*(except for fire, pharaoh, harvester and carpenter ants) Centipedes Cockroaches Crickets Fleas Kudzu bugs Millipedes Mosquitoes Palmetto bugs Scorpions Sowbugs Pillbugs Spiders Waterbugs	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 250 sq. ft.	Apply a 3 ft. band around the building and upwards along the foundation to 3 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. 1 gallon will treat 250 sq. ft. of surface area. Repeat treatment every 8 weeks (2 months) at the 2 fl. oz. per 1,000 sq. ft. rate as needed.
*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 apply more than 2 fl. oz (0.00063 lbs. Lambda-cyhalothrin) per 1,000 sq. ft. per application.
- Do not make more than 14 applications per year per location.

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
For use on ornamental trees, shrubs and flowers: 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.	Mix 0.25 fl. oz. (1/2 tablespoon) in 1 gallon of water to treat 250 sq. ft.	Ants*, Armyworms, Aphids ^o , 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
	Mix 0.5 fl. oz. (1 tablespoon) in 1 gallon of water to treat 250 sq. ft.	Broadmites, Brown softscale, California redscale (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, Odorous, Pyramid, Black turf, White-footed, Crazy, Little Black, Ghost, Thief, Acrobat, Citronella, Big-headed, Lasius.		

Restrictions:

- Do not apply more than 4 fl. oz (0.00063 lbs. Lambda-cyhalothrin) per 1,000 sq. ft. per application.
- Do not make more than 14 applications per year per location at 2 fl. oz per 1,000 sq. ft. rate.
- Do not make more than 7 applications per year per location at 4 fl. oz per 1,000 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. 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.

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

Vegetables	Insects Controlled	PHI*
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.

Restrictions:

- Do not apply more than 1.67 fl. oz (0.00053 lbs. Lambda-cyhalothrin) per 1,000 sq. ft. per application.
- Do not make more than 9 applications per year per location.
- 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.**

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Control Solutions, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Control Solutions, Inc.



CYONARA™ Lawn & Garden Insect Control

For outdoor use around the home only

- Covers up to 16,000 sq. ft. of lawn for lawn surface insects
- Fast Acting With Up To 8 Weeks Residual*
- Controls Mosquitoes, Chinch Bugs, Fleas, Grubs, Aphids, Fire Ants & Mites

**excluding public health pests*

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.



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EPA 061121



ONE APPLICATION
8 WEEKS
PROTECTION*

CYONARA

LAWN & GARDEN

INSECT CONTROL



**SOD
WEBWORMS**



APHIDS



FLEAS

- Broad Spectrum Concentrate
- Won't harm plants or blooms
- Can be used on vegetable gardens
- 1 bottle covers up to 16,000 sq. ft of lawn
- For soil and turf insect control

KILLS
500+
PESTS
ON CONTACT

*excluding public health pests