



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 10, 2026

Shannon Cooley  
Regulatory Specialist  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Subject: Label Amendment - Registration Review Mitigation for Lambda-Cyhalothrin  
Product Name: Lambda 9.7 GC-O  
EPA Registration Number: 53883-244  
Case Number: 674724  
Application Dates: January 27<sup>th</sup>, 2025

Dear Shannon Cooley:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Lambda-Cyhalothrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

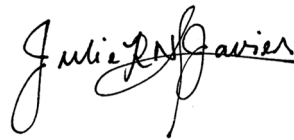
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Nick Barnett by phone at 513-569-7643, or via email at [Barnett.nicholas@epa.gov](mailto:Barnett.nicholas@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Julie R. Javier". The signature is fluid and cursive, with the first name "Julie" being the most prominent.

Julie Javier, Team Leader  
Risk Mitigation and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

RESTRICTED USE PESTICIDE  
Due to Toxicity to Fish and Aquatic Organisms  
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS  
OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE  
USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

# Lambda 9.7 GC-O

## Insecticide

[alt name: Cyonara 9.7 GC-O]

For Use to Control Insect Pests On:

- Sod Farms
- Ornamentals Grown in Commercial Greenhouses, Shadehouses and Nurseries
- Ornamentals and Lawns in Landscaped Areas Around Non-Residential Institutional, Commercial and Industrial Buildings

Contains Sigma Technology *[optional marketing language]*

For both indoor and outdoor use.

Active Ingredient:

Lambda-cyhalothrin\*

[1 $\alpha$ (S\*), 3  $\alpha$ (Z)]-( $\pm$ )-cyano(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-

d imethylcyclopropanecarboxylate:.....9.7%

Other Ingredients:.....90.3%

Total 100.0%

\* synthetic pyrethroid

Contains 0.88 lbs. active ingredient per gallon or 0.22 lbs. a.i. per quart

### KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 53883-244

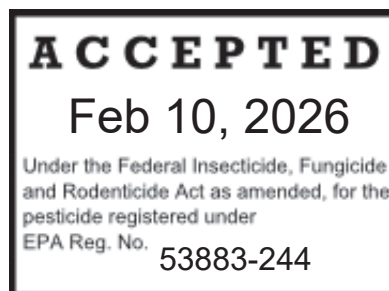
EPA Est. No. 53883-TX-002

Manufactured By:

Control Solutions, Inc.

5903 Genoa-Red Bluff

Pasadena, TX 77507



FIRST AID	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</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>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to the person.</li> <li>+ Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
You may also contact Safety Call® (866) 897-8050 for emergency medical treatment information.	

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### WARNING

Harmful if absorbed through skin. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Skin exposure may also result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

### Personal Protective Equipment (PPE)

For foliar spray treatment using a mechanically pressurized handgun on landscaping trees and shrubs:

Mixers, loaders and applicators must wear long-sleeved shirt, long pants, shoes and socks, coveralls and waterproof gloves.

For foliar broadcast spray treatment using a mechanically pressurized handgun on nurseries:

Drench/soil/ground directed liquid treatment using a mechanically pressurized handgun on nurseries:

Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N\*, R or P filter;

OR a NIOSH-approved elastomeric particulate respirator with any N\*, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

### USER SAFETY REQUIREMENTS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

##### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly-and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

This product is extremely toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label. Care should be used when making applications to avoid household pets, particularly fish and reptile pets. 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. Notify State and/or Federal authorities immediately if you observe any adverse environmental effects due to the use of this product.

### NON-TARGET ORGANISM ADVISORY STATEMENT

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

### Physical or Chemical Hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

### DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### BUFFER ZONES

#### VEGETATIVE FILTER STRIPS

**Construct and maintain a vegetative filter strip, according to the width specified below, of grass or other permanent vegetation between the field edge and nearby down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).**

Only apply products containing (name of pyrethroid) onto fields where a maintained vegetative filter strip of at least 25 feet exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions:

- For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of I-35).
  - o For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.
- In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:
  - o The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
  - o Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can include mulch-till, no-till, or strip-till.
  - o A functional terrace system is maintained on the area of application.
  - o Water and sediment control basins for the area of application are functional and maintained.
  - o The area of application is less than or equal to 10 acres.

For further guidance on vegetated filter strips, refer to the following publication for information on constructing and maintaining effective buffers: **Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services.**  
<https://www.regulations.gov/document?D=EPA-HQ-OPP-2008-0331-0175>.

#### **Buffer Zone for Ground Application**

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries, and; commercial fish farm ponds).

#### **RESISTANCE MANAGEMENT**

For resistance management, Lambda 9.7 GC-O contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Lambda 9.7 GC-O and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of Lambda 9.7 GC-O or other Group 3A insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.

o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).

o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.

o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact customer service at 1-800-242-5562.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Keep adults, children, and pets off treated areas until spray has dried following the application.**

Lambda 9.7 GC-O Insecticide is for use on ornamentals in indoor and outdoor areas such as non-residential landscapes around institutional, commercial, and industrial buildings,



Lambda 9.7 GC-O Insecticide may be applied to ornamentals grown in commercial greenhouses, shadehouses, and nurseries, and turf grown on sod farms or for commercial seed production.

#### USE RESTRICTIONS:

- 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** apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- **DO NOT** use on 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** apply this product in any room being used as living, eating, sleeping, or recovery area by patients, the elderly, or infirm when they are in the room.
- **DO NOT** apply to flowering plants when pollinating insects are present. Make applications during the early morning or late evening hours.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product to edible crops or crops grown for food/feed.
- **DO NOT** apply this product by aerial application.
- **DO NOT** water the treated area to the point of run-off.
- **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.
- **DO NOT** apply to carpets and hard surfaces as a pin stream or coarse spray treatment.
- **DO NOT** apply as broadcast spray application using a mechanically pressurized handgun in industrial and commercial areas (e.g., tires, rail, yards, junk yards).
- All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
  1. Applications to pervious surfaces such as soil and 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 groundcover that abuts the perimeter of the treated structure);
  3. Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhand, awning, or other structure;
  4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
  5. 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;
  6. Applications to vertical surfaces directly above pervious surfaces, (such as soil, mulch or vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
- **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.
- Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
- **DO NOT** apply when the wind speed is greater than 15 mph. **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.
- Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this pesticide within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes, or natural ponds, estuaries, and commercial fish farm ponds. In the state of New York, do not apply within 100 ft. of



coastal marshes or streams that drain into marshes. When treating tall trees (>15 ft. from the ground) with high pressure sprays or during any application with air assisted equipment (mist blowers), do not apply within 150 ft. of aquatic areas.

### MANDATORY SPRAY DRIFT MANAGEMENT

#### **Ground Boom Applications:**

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or plant canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

#### **Boom-less Ground Applications:**

- Applicators are required to use a medium or coarser droplet size (ASABE S572) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

### SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **BOOM HEIGHT – Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are

characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

## Application

Lambda 9.7 GC-O Insecticide may be mixed with water and applied in all types of application equipment. Mix product with the required amount of water and apply as a dilute application to the point of runoff. Apply as a coarse spray using appropriate equipment. To avoid small droplets, do not use excessive spray pressure, and ensure that the correct nozzle is being used. For hard-to-wet foliage, such as holly, pine, or ivy, use a spreader-sticker to increase knockdown and residual activity. If concentrate or mist-type application equipment is used, use the equivalent amount of product for concentrate or mist type application equipment as would be used in a dilute application.

**Note:** Testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, certain cultivars may be still be sensitive to the final spray solution. Before treating large areas, prespray a selection of ornamental plants and observe them for 7-10 days if local use data is not available.

## MIXING

1. Fill application tank with 1/2 – 3/4 volume of water. The recommended pH of the water should be 5-7 pH. Use a buffering agent to adjust the pH level if necessary.
2. Slowly add Lambda 9.7 GC-O Insecticide to tank water with maximum agitation. If other chemicals are added to the applicator tank, Lambda 9.7 GC-O Insecticide should be added last. If mixed with EC formulations or oils, use within 24 hours.
3. Fill tank to desired volume and continue to agitate while making applications. Shake or reagitate application equipment before use if application is interrupted
4. Make up only amount of application volume required.
5. Removable chemical extraction probes (also known as “stingers”) used in suction/extraction systems must be rinsed within the pesticide container prior to removal.

## Mixing Chart for Use on Ornamental

Lambda 9.7 GC-O Insecticide to add per spray tank.

Rate of Lambda 9.7 GC-O Insecticide	25 gals.	50 gals.	100 gals.	200 gals.	300 gals.
1.5 oz.	0.4 oz.	0.8 oz.	1.5 oz.	3.0 oz.	4.5 oz.
3.0 oz.	0.8 oz.	1.5 oz.	3.0 oz.	6.0 oz.	9.0 oz.
5.0 oz.	1.3 oz.	2.5 oz.	5.0 oz.	10.0 oz.	15.0 oz.

### Mixing Chart for Use on Non-Residential Turf

Lambda 9.7 GC-O Insecticide to add per 100 gallon spray tank.

Rate of Lambda 9.7 GC-O Insecticide	2 gals.	4 gals.	6 gals.	8 gals.	10 gals.
5 oz./A	5.7 oz.	2.9 oz.	1.9 oz.	1.4 oz.	1.2 oz.
10 oz./A	11.5 oz.	5.7 oz.	3.8 oz.	2.9 oz.	2.3 oz.
20 oz./A	23.0 oz.	11.5 oz.	7.7 oz.	5.7 oz.	4.6 oz.

Conversion Rate: 1 fluid ounce (fl. oz.) equals 29 milliliters (mL)

### Compatibility

Lambda 9.7 GC-O Insecticide has been found to be compatible with all commonly used fungicides, miticides, liquid fertilizers, and other insecticides. Check compatibility using the correct proportion of products in a small jar, if local experience is not available.

### ORNAMENTALS

#### Agricultural Uses:

Ornamentals in Greenhouses, Shadehouses, and Nurseries

#### Non-Agricultural Uses:

**Ornamentals** (Including Trees, Shrubs, Flowers, Evergreens, Foliage Plants, and Ground covers) in Landscaped Areas around Institutional, Commercial, and Industrial Buildings. ,

**NOTE:** Do not apply more than 0.36 lb. of the active ingredient (52.4 fl. oz. of concentrate) per acre per year.

Pest Controlled		Amount of Lambda 9.7 GC-O Insecticide
Ants (Including Imported fire ants), Armyworms, Azalea caterpillars, Aphids, Bagworms, Black vine weevils (adult), Boxelder bugs, Budworms, California oakworms, Cankerworms, Cockroaches, Crickets, Cutworms, Eastern tent caterpillars, Elm leaf beetles, European sawflies, Fall webworms, Flea beetles, Forest tent caterpillars, Gypsy moth larvae, Japanese beetles (adult),	June beetles (adult), Lace bugs, Leaf-feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Midges, Mosquitoes, Oleander moth larvae, Pillbugs, Pine sawflies, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevils, Sawflies, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oakworms, Thrips, Tip moths,	1.5 – 5 fl. oz/100 gals. or 44 – 148 mL/100 gals.

	Tussock moth larvae, Wasps	
Broadmites, Brown softscales, California redscales (crawler), Clover mites,	Mealybugs, Pine needlescales (crawler), Spider mites, Whiteflies	3 – 5 fl. oz/100 gals. or 88 – 148 mL/100 gals.

#### Application Instructions:

Apply to ornamentals before the onset of high pest populations. Reapply at 7 day intervals if necessary to maintain control. Use higher rates when pest pressure increases.

For best results ensure thorough spray coverage. For ornamentals with waxy or hard to wet foliage, the use of a spreader-sticker at recommended rates may help with the control of insects. Lambda 9.7 GC-O Insecticide may also be applied as a spot treatment at the rate of 0.5 fl. oz. per 1-2.5 gallons of water. Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

Consult your state university or local Cooperative Extension Service office for specific pest control application timing in your area.

**Note:** Testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, certain cultivars may still be sensitive to the final spray solution. Before treating large areas, prespray a selection of ornamental plants and observe them for 7-10 days if local use data is not available.

**Scale:** Thoroughly cover the plant with Lambda 9.7 GC-O Insecticide spray, including trunks, stems, twigs, and foliage for control of scale insects.

**Bagworm:** Apply Lambda 9.7 GC-O Insecticide when bagworm larvae begin to hatch. Spray directly on the larvae. Application is the most effective when the larvae are young.

## TURFGRASS

### Agricultural

Sod Farms and Grass Seed Farms

### Non-Agricultural

Non-Residential Lawns around, Institutional, Commercial, and Industrial Buildings.

#### NOTE:

- Do not apply more than 0.36 lb. of active ingredient (52.4 fl. oz. of concentrate) per acre per year.
- Do not apply when turfgrass is waterlogged or when soils are saturated with water (i.e., will not accept irrigation).
- Keep children and pets off treated areas until spray has dried following the application.

Pest	Amount of Lambda 9.7 GC-O Insecticide
Ants (Including Imported fire ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Fleas (adult), Grasshoppers, Japanese beetles (adult), Millipedes, Mites, Pillbugs, Sod webworms, Sow bugs, Ticks (including species which may transmit Lyme disease)	3.4-7 mL/1,000 sq. ft. or 5-10 fl. oz./A
Bluegrass billbugs (adult), Black turfgrass ataenius (adult), Chiggers, Fleas (adult), Grub (suppression), Hyperodes weevils (adult), Mole crickets (nymphs and young adults)	7 mL/1,000 sq. ft. or 10 fl. oz./A
Chinch bugs Mole crickets (mature adults) (Not for use on mature adult mole crickets and chinch bugs in New York State.)	14 mL/1,000 sq. ft. or 20 fl. oz./A

### Application Instructions

Make application to turf before high insect populations and turf damage is evident. Reapply at 7 day intervals if necessary to maintain control. Use higher rates when pest pressure increases.

Lambda 9.7 GC-O Insecticide may also be applied as a spot treatment at the rate of 0.5 fl. oz. per 1-2.5 gallons of water.

**Surface Insect Control (armyworm, cutworms, fleas, etc.):** For best results, apply Lambda 9.7 GC-O Insecticide at recommended rates in 2-5 gals. of water per 1,000 sq. ft. If high rainfall amounts are forecast the addition of a spreader-sticker may be helpful. For normal conditions for surface insect control on turf, the addition of adjuvants is not necessary. For best control of target pests, do not water or mow for 12-24 hours.

**Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.):** For best results, apply Lambda 9.7 GC-O Insecticide at recommended rates in 2-10 gals. of water per 1,000 sq. ft. .The use of a nonionic wetting agent, penetrant, or similar adjuvant is recommended at label rates. To help move the Lambda 9.7 GC-o into the thatch layer after application, lightly irrigate with up to 1/2 inch of water. If irrigation is not available, then use high water application rates for optimum results.

**Subsurface Insect Control (mole crickets, grubs, etc.):** For best results, apply Lambda 9.7 GC-O Insecticide at recommended rates in 4-10 gals. of water per 1,000 sq. ft. The use of a nonionic wetting

agent, penetrant, or similar adjuvant is strongly recommended following label rates. Use the highest water application rates possible with your sprayer. Apply Lambda 9.7 GC-O Insecticide to turf wet with dew, rain, or irrigation. Water-in immediately after application with 1/4-1/2 inch of water for optimum results.

**Fire Ant Control:** Use 0.5 fl. oz. of Lambda 9.7 GC-O Insecticide per 2.5 gals. of water. Use a watering can to treat individual mounds as a drench application. Thoroughly soak each mound and a 3 ft. diameter circle around each mound. In order to avoid disturbing the mound, gently apply the mixture. Disturbing the mound may cause the ants to migrate and reduce the effectiveness of the treatment. For best results, apply in early morning or late evening hours. Make additional treatments as needed, but not more than every 7 days.

**Mosquito Control:** To control mosquitoes, apply as a general spray around landscape plantings, turf, and building foundations. For best results, apply Lambda 9.7 GC-O Insecticide at recommended rates in 2-5 gals. of water per 1,000 sq. ft.

### STORAGE AND DISPOSAL

**Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options**

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

**Storage and Spill Procedures:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**Container Disposal:**

**For Containers equal to or less than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. 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.

**For Containers greater than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. 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.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

# **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, 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 fullest extent permitted by 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 the 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. 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. To the fullest extent permitted by law, Control Solutions, Inc. or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WIT APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CONTROL SOLUTIONS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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