

# RESTRICTED USE PESTICIDE

DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS  
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATIONS OR  
PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE  
USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

**LESCO**<sup>®</sup>  
**Battle**<sup>®</sup>  
**GC**

TM

## Insecticide

For Use to Control Insect Pests on Golf Courses and Athletic Field Turf; Sod Farms, and on Ornamentals and Lawns in Landscaped Areas Around Residential, Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas, Golf Courses and Athletic Fields

### ACTIVE INGREDIENT:

Lambda-cyhalothrin\*

[1 $\alpha$ (S\*),3 $\alpha$ (Z)]-( $\pm$ )-cyano(3-phenoxyphenyl)

methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-

2,2dimethylcyclopropanecarboxylate ..... 9.7%

Other Ingredients ..... 90.3%

Total: ..... 100.0%

\*Synthetic pyrethroid

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

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Additional Precautionary Statements and Directions for Use inside booklet. Product of the United Kingdom

EPA Reg No. 100-1088-10404

EPA Est. 61282-WI-1

SCPPL1088-L1 0902

163322

**#081248**

Net Contents: 1 quart ( .9463 l)

LESCO is a registered trademark and the sweeping design is a trademark of LESCO Technologies, LLC.  
Battle is a trademark of Syngenta Group Company. (101201) 02-368

## NOTES

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<b>FIRST AID</b>	
<b>If on skin</b>	<ul style="list-style-type: none"> <li>• Wash with plenty of soap and water. Get medical attention if irritation persists.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately contact local poison control center.</li> <li>• If victim is alert and not convulsing, rinse mouth out and give 200-300 ml (1 cup) of water to dilute material.</li> <li>• Vomiting should only be induced under the direction of a physician or poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>HOT LINE NUMBER</b>            For 24 Hour Medical Emergency Assistance            (Human or Animal)            or Chemical Emergency Assistance            (Spill, Leak, Fire, or Accident),            You may contact Chem-Trec at  <b>1-800-424-9300</b></p>	

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if absorbed through skin. 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.

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

*continued...*

## PRECAUTIONARY STATEMENTS

*(continued)*

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

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate of butyl rubber or nitrile rubber or viton
- Shoes plus socks

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 the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

This product is extremely toxic to fish. Do not contaminate water when disposing of equipment wash water. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. 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.

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.

Notify State and/or Federal authorities and LESCO immediately if you observe any adverse environmental effects due to the use of this product.

## **Physical or Chemical Hazards**

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

## **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 should 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 LESCO Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold LESCO and Seller harmless for any claims relating to such factors.

LESCO 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 LESCO, and Buyer and User assume the risk of any such use. LESCO MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall LESCO or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF LESCO 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 LESCO OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

LESCO 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 LESCO.

## **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.

### **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 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 area 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
- Chemical-resistant gloves, such as barrier, butyl rubber, nitrile rubber, or viton
- Shoes plus socks

Battle GC may be used for applications to turf grown on sod farms or for commercial seed production.

## **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.

## **STORAGE AND DISPOSAL**

### **Prohibitions**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

### **Storage**

Keep container closed when not in use. Do not store near food or feed. Shake well before use. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste storage area until proper disposal can be made.

### **Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State

Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

## Container Disposal

Triple rinse (or equivalent). Completely empty container into application equipment, then offer for recycling or reconditioning, or puncture and dispose of empty container in a sanitary landfill, by incineration, or by other procedures approved by state and local authorities.

## APPLICATION

Battle GC insecticide mixes readily with water and may be used 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 product using spray nozzles which produce a coarse droplet size. Formation of very small droplets may be minimized by appropriate nozzle selection and by avoiding excessive spray pressure. When applying to hard-to-wet foliage, such as holly, pine, or ivy, the addition of a spreader-sticker may enhance knockdown and residual activity. If concentrate or mist-type application equipment is used, an equivalent amount of product should be used on the area treated as would be used in a dilute application. Phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed. It is advised to pretreat a selection of ornamentals if local use experience is unavailable.

Battle GC may be used for applications to maintain indoor or outdoor areas where turf and ornamentals are grown, such as residential landscaped areas and non-residential landscapes around institutional, public, commercial, and industrial buildings, parks, recreational areas, golf courses, and athletic fields.

Battle GC may also be used for applications to golf course fairways, greens, greens aprons, and tee areas.

**IMPORTANT:** Time application to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

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.



## Spray Drift Precautions

Do not make applications when wind speed is 15 miles per hour or greater. Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperature.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when the wind direction is toward the aquatic area. Do not make outdoor applications during temperature inversions. Inversions are characterized by stable air and increasing temperature with height above ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

## Compatibility

Battle GC has been found to be compatible with all commonly used fungicides, miticides, liquid fertilizers, and other insecticides. Check physical compatibility using the correct proportion of products in a small jar, if local experience is unavailable.

## MIXING

Battle GC Insecticide is intended for dilution with water for spray application and may be used in all types of application equipment. Fill application tank with  $1/2$ - $3/4$  volume of water. It is suggested that the water be 5-7 pH. Adjust water pH with a buffering agent if necessary. Slowly add Battle GC to applicator tank water with maximum agitation. If other chemicals are added to the applicator tank, Battle GC should be added last. If mixed with EC formulations or oils, use within 24 hours. Fill tank to desired volume and continue to agitate while making applications. Shake or reagitate application equipment before use if application is interrupted. Make up only amount of application volume as required.

**Battle GC Mixing Chart for  
Ornamental Insect Pest Control  
(Battle GC to add per spray tank)**

Rate of Battle GC	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.

**Battle GC Mixing Chart  
for Turf Insect Pest Control  
(Battle GC to add per  
100 gallon spray tank)**

Rate of Battle GC	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).

## Insect Pests Controlled In Ornamentals by Battle GC Insecticide

Use	Pest	Amount of Battle GC
<b>Non Agricultural</b> Ornamentals (Including Trees, Shrubs, Flowers, Evergreens, Foliage Plants, and Ground covers) in Residential Landscaped Areas and Landscaped Areas around Institutional, Public, Commercial, and Industrial Buildings, Parks, Recreational Areas, Golf Courses, and Athletic Fields	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 web- worms, Flea beetles, Forest tent caterpillars, Gypsy moth larvae, Japanese beetles (adult), June beetles (adult), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leaf- miners (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 (crawler), Spiders, Spittlebugs, Striped beetles, Striped oakworms, Thrips, Tip moths, Tussock moth larvae, Wasps	1.5-5 fl. oz./100 gals. or 44-148 ml./100 gals.

*continued...*

Use	Pest	Amount of Battle GC
Non Agricultural <i>Ornamentals (Cont.)</i>	Broadmites, Brown softscales, California redscales (crawler), Clover mites, Mealybugs, Pine needle-scales (crawler), Spider mites, Whiteflies	3-5 fl. oz./100 gals. or 88-148 ml./100 gals.

Application to ornamentals should be started prior to the establishment of high insect pest populations. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Apply at 7-day intervals if treatment is necessary.

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

Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader-sticker at recommended rates may enhance the control of insects on certain species of ornamentals having waxy, hard-to-wet foliage.

For spot treatments, use 0.5 fl. oz. Battle GC per 1-2.5 gallons of water.

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

**Note:** While phytotoxicity 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 sensitive to the final spray solution.

It is advised to prespray a selection of ornamental plants and observe them for 7-10 days prior to treating large areas if local use experience is unavailable.

## Scale

Thoroughly cover the plant with Battle GC spray, including trunks, stems, twigs, and foliage for control of scale insects.

## Bagworm

Apply Battle GC when bagworm larvae begin to hatch. Spray directly on the larvae. Application is the most effective when the larvae are young.

## Insect Pests Controlled on Turfgrass by Battle GC Insecticide

Use	Pest	Amount of Battle GC
<b>Agricultural</b> Sod Farms and Grass Seed Farms  <b>Non Agricultural</b> Lawn around Residential, Institutional, Public, Commercial, and Industrial Buildings, Parks, Recreational Areas, Golf Courses, and Athletic Fields	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 transmit Lyme disease)	3.4-7 ml./1,000 sq. ft. or 5-10 fl. oz./A
Golf Course and Athletic Field Turf	Bluegrass billbugs (adult), Black turfgrass atenioides (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 to turf should be started prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Apply at 7-day intervals if treatment is necessary.

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

For spot treatments, use 0.5 fl. oz. of Battle GC per 1-2.5 gals. of water.

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.

### **Surface Insect Control (armyworm, cutworms, fleas, etc.)**

For best results, apply Battle GC at recommended rates in 2-5 gals. of water per 1,000 sq. ft. The use of a spreader-sticker may be useful if high rainfall amounts are forecast, otherwise the addition of adjuvants is not necessary under normal conditions for surface insect control in turf. Delay watering or mowing for 12-24 hours for optimum control of surface-feeding insect pests.

### **Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.)**

For best results, apply Battle GC at recommended rates in 2-10 gals. of water per 1,000 sq. ft. The use of a non-ionic wetting agent, penetrant, or similar adjuvant is recommended at label rates. Lightly irrigate after application with up to  $\frac{1}{2}$  inch of water to move the Battle GC into the thatch layer. 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 Battle GC at recommended rates in 4-10 gals. of water per 1,000 sq. ft. The use of a non-ionic wetting agent, penetrant, or similar adjuvant is strongly recommended following label rates. Use the highest water application rates possible with your sprayer. Apply Battle GC to turf wet with dew, rain, or irrigation. Water-in immediately after application with  $\frac{1}{4}$ - $\frac{1}{2}$  inch of water for optimum results.

### **Fire Ant Control**

Treat individual mounds with a drench application using a watering can. Use 0.5 fl. oz. of Battle GC per 2.5 gals. of water. Thoroughly soak each mound and a 3 ft. diameter circle around each mound. Gently apply the mixture to avoid disturbing the mound. 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.

## Mosquito Control

Apply as a general spray around landscape plantings, turf, and building foundations to control mosquitoes. For best results, apply Battle GC at recommended rates in 2-5 gals. of water per 1,000 sq. ft.

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of LESCO Technologies, LLC.

Battle is a trademark of a Syngenta Group Company.

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Manufactured for:

LESCO Inc.

1301 East 9th Street

Cleveland, OH 44114-1849

**SCPPL 1088-L1 0902**

**163322**

## NOTES

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2,2dimethylcyclopropanecarboxylate ..... 9.7%

Other Ingredients ..... 90.3%

Total: ..... 100.0%

\*Synthetic pyrethroid

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See attached booklet for directions for use.

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