

70506-120

09-11-2007

1/6



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

September 11, 2007

Mr. Timothy M. Formella,  
Sr. Registration Manager  
United Phosphorus, Inc.,  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

Subject: Amend Labeling to Correct First Aid Statement  
Lambda-Cy EC Insecticide  
EPA Reg. Nos. 70506-120  
Application dated May 23, 2007

Dear Mr. Formella:

The above referenced labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the following comments:

Revise the "Limitation of Liability" statement as follows: Add "*To the extent consistent with applicable law*" to the beginning of the statement "*The exclusive remedy of the user - - -*".

Please make the above stated revisions and submit the final printed label to the Agency. See enclosed copy of the stamped label for your record.

If you have any questions please contact Dr. B.A. Akinlosotu at (703) 605-0653.

Sincerely,

A handwritten signature in black ink, appearing to read "George T. LaRocca".

George T. LaRocca,  
Product Manager 13  
Insecticide Branch  
Registration Division (7505P)

Enclosure

Lambda-Cy EC Insecticide

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

SEP 11 2007

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
70506-120**

2/6

# LAMBDA-CY™ EC INSECTICIDE

For use in, on and around buildings and structures for the control of listed pests, including on lawns, ornamental trees and shrubs around residential, institutional, public, commercial, agricultural and industrial buildings; and parks, recreational areas and athletic fields.

## ACTIVE INGREDIENT

Lambda-cyhalothrin

[1a(S\*),3a(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate.....

11.4%

## INERT INGREDIENTS.....

88.6%

100.0%

Contains 1.0 lb. of active ingredient per gallon.

Contains petroleum distillates.

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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

FIRST AID	
<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 a poison control center or a doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<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 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, give artificial respiration immediately, preferably by mouth-to-mouth.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>Note to Physician:</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.**

United Phosphorus, Inc.  
423 Riverview Plaza  
Trenton, NJ 08611  
1-800-247-1557 • [www.upi-usa.com](http://www.upi-usa.com)

Net Contents:  
EPA Reg. No. 70506-120  
EPA Est. No.

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3/6

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**WARNING**

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment (PPE)**

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

**Applicators and Other Handlers Must Wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as Barrier Laminate, or Viton  $\geq 14$  mils
- Shoes plus socks
- Protective eyewear

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.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish. Do not contaminate water when cleaning equipment or disposing of equipment washwater. 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. When making applications, care should be used 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.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame. 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.

LAMBDA-CY EC INSECTICIDE 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 and athletic fields.

It may also be used for Structural and Perimeter Pest Control; use as a general surface, crack and crevice, or spot treatment in, on, and around buildings and structures and their immediate surroundings, and on modes of transport. Permitted areas of use include, but are not limited to THE FOLLOWING:

aircraft (cargo and other non-cabin areas only)	greenhouses (non-commercial)	pet kennels
apartment buildings	hospitals	porches
boiler rooms	hotels and motels	railcars

4/6

buses	houses	restaurants
closets	industrial buildings	storage rooms
correctional facilities	laboratories	schools
decks	livestock/poultry housing	sewers (dry)
entries	landscape vegetation	stores
factories	locker rooms	trailers
floor drains (that lead to sewers)	machine rooms	trees
food granaries	mausoleums	trucks
food grain mills	mobile homes	utility passages
food manufacturing	mop closets	vessels
processing and serving establishments	mulch	vestibules
furniture	nursing homes	warehouses
garages	offices	wineries
garbage rooms	patios	yards

**USE DIRECTIONS - LAWNS/TURFGRASS AND ORNAMENTALS**

LAMBDA-CY EC INSECTICIDE 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 and athletic fields. Application rates for turf and ornamental applications for LAMBDA-CY EC INSECTICIDE are lower than structural pest control rates, reflecting that treatment intervals are generally more frequent.

Applicators must ensure that they are certified in the necessary pesticide certification categories to allow application of LAMBDA-CY EC INSECTICIDE away from structures, such as to turf and ornamental plantings. Structural pest control certification categories may limit the distance away from structures for pesticide application. Consult your state extension office or pesticide regulatory officials for further information.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior or exterior plantscapes, ornamental gardens or parks, or on lawns or grounds.

**IMPORTANT:** Time application of 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.
- Do not apply this product by aerial application.
- Allow treated surfaces to dry before allowing children and pets to contact them.

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.

Do not make outdoor broadcast applications to turf and ornamentals when wind speed is 15 mph or greater.

In the state of New York, do not apply within 100 feet of coastal marshes or streams that drain into coastal marshes.

**MIXING INSTRUCTIONS (Turf and Ornamental Dilutions):** LAMBDA-CY EC INSECTICIDE is to be diluted with water for spray application and may be used in all types of application equipment. First fill application tank with ½ - ¾ volume of water. It is suggested that the pH of the water be between 5 and 7;

5/6

use a buffering agent if necessary to adjust the pH. Next slowly add LAMBDA-CY EC INSECTICIDE to the applicator tank water with maximum agitation. Finally, fill tank to desired volume and continue to agitate while making applications. If application is interrupted, agitate or re-suspend spray solution before resuming sprays. Do not make up more mixture than needed at one time.

**Mixing Chart for Ornamentals: Amount of LAMBDA-CY EC INSECTICIDE to add per spray tank**

Spray Tank Volume	Rate of LAMBDA-CY EC INSECTICIDE		
	1.3 oz/100 gal. <sup>1</sup>	2.6 oz/100 gal. <sup>2</sup>	4.4 oz/100 gal. <sup>3</sup>
25 gals	0.33 oz	0.65 oz	1.1 oz
50 gals	0.65 oz	1.3 oz	2.2 oz
100 gals	1.3 oz	2.6 oz	4.4 oz
200 gals	2.6 oz	5.2 oz	8.9 oz
300 gals	4.0 oz	7.9 oz	13.3 oz

<sup>1</sup>Equivalent to 3 mL/1000 sq ft (or 4.5 oz/A) when applied at 8 gal/1000 sq ft

<sup>2</sup>Equivalent to 6 mL/1000 sq ft (or 9 oz/A) when applied at 8 gal/1000 sq ft

<sup>3</sup>Equivalent to 10 mL/1000 sq ft (or 15 oz/A) when applied at 8 gal/1000 sq ft

**Mixing Chart for Turfgrass Applications: Amount Lambda-Cy EC Insecticide to be added to 100 gal spray tank**

Amount of Spray Solution Applied per 1,000 Sq. Ft. of Turf	Rate of LAMBDA-CY EC INSECTICIDE		
	4.4 fl oz./A	8.8 fl. oz./A	17.6 fl. oz./A
2 gals.	5.0 oz	10.0 oz	20.0 oz
4 gals.	2.5 oz	5.0 oz	10.0 oz
6 gals.	1.7 oz	3.3 oz	6.7 oz
8 gals.	1.2 oz	2.5 oz	5.0 oz
10 gals.	1.0 oz	2.0 oz	4.0 oz

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

**TANK MIXING (Turf and Ornamental Dilutions):** LAMBDA-CY EC INSECTICIDE may be tank mixed with other currently registered pesticides unless expressly prohibited by the product label.

Adjuvants such as spreader stickers, wetting agents, and penetrants may also be added. Use a small volume mixing test with the other products to confirm compatibility. If other chemicals are added to the applicator tank, LAMBDA-CY EC INSECTICIDE should be added last. Fill tank to desired volume and continue to agitate while making applications. If mixed with EC formulations, use within 24 hours.

Observe all restrictions and precautions found on labels of products in the tank mix.

**COMPATIBILITY**

LAMBDA-CY EC INSECTICIDE has been found to be compatible with 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.

**Note:** Although phytotoxicity testing has been conducted on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, it is possible that certain cultivars could be sensitive to the final spray solution. UPI recommends that a selection of ornamental plants be sprayed and observed for 7-10 days prior to treating large areas if local use experience is unavailable.

**USE DIRECTIONS – ORNAMENTALS (Including Trees, Shrubs, Flowers, Evergreens, Foliage Plants and Groundcovers) In Residential Landscaped Areas and Landscaped Areas Around Institutional, public, Commercial and Industrial Buildings, Parks, Recreational Areas, and Athletic Fields**

6/6

Pest	Rate of LAMBDA-CY EC INSECTICIDE per 100 gallons	Instructions
<p>Ants (Including Imported fire ants) Armyworms Azalea caterpillars Aphids Bagworms<sup>1</sup> 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 Leafhopper 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)<sup>2</sup> Spiders Spittlebugs Striped beetles Striped oakworms Thrips Tip moths Tussock moth larvae Wasps</p>	<p>1.3-4.4 fl. oz. (38-128 mL)</p>	<p>Begin application to ornamentals before high insect pest populations become established. Reapply as necessary to keep pest populations under control. Use higher rates as pest pressure increases.</p> <p>Begin application to ornamentals before high insect pest populations become established. Reapply as needed for pest control, using higher rates as pest pressure increases.</p> <p>For the best control, good spray coverage is essential. For ornamentals with waxy, hard-to-wet foliage, add a spreader-sticker at recommended rates to enhance the control of insects.</p> <p>Apply at 7- day intervals if more than one treatment is required. If more frequent treatment is needed, it should be limited to spot treatments. Note that as plants grow, new foliage will be unprotected until it is treated. When making spot treatments, use 0.44 fl. oz. LAMBDA-CY EC INSECTICIDE per 1-2.5 gallons of water.</p> <p>Do not apply more than 0.36 lb. of the active ingredient (46 fl. oz. of concentrate) per acre per year.</p> <p>Consult your state university or local Cooperative Extension Service office for specific pest control application timing in your area.</p> <p><sup>1</sup> <b>Bagworm:</b> Make application when bagworm larvae begin to hatch, spraying directly on the larvae. Best results will when the larvae are young.</p> <p><sup>2</sup> <b>Scale:</b> Cover the plant thoroughly with LAMBDA-CY EC INSECTICIDE spray. Including trunks, stems, twigs, and foliage for control of the crawler stage.</p>