

71532-16

11/03/2005

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

EPA Reg. Number:

Date of Issuance:

71532-16

NOV -3 2005

Term of Issuance:

Conditional

NOTICE OF PESTICIDE:

- Registration
- Reregistration

LG Permethrin 0.5%
Lawn Insect Granules

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

LG Life Sciences, Ltd.
20 Yoido-dong, Youngdungpo-gu
Seoul 150 721 Korea

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 71532-16."

Signature of Approving Official:

Date:

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b. Add the following First Aid statements to the Hazards to Humans and Domestic Animals section:

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to mouth, if possible. • Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment.</p>	

c. Replace the Hazards to Humans and Domestic Animals section with **CAUTION**. Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing before reuse.

ACUTE TOXICITY REVIEW FOR CITED PRODUCT

STUDY	MRID	CATEGORY	CLASSIFICATION
Acute Oral	41501303	IV	Cited
Acute Dermal	41501304	III	Cited
Acute Inhalation	Data Gap	III	Cited
Eye Irritation	41501301	III	Cited
Dermal Irritation	41501302	IV	Cited
Dermal Sensitization	41501305	Negative	Cited

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

LG PERMETHRIN 0.5% LAWN INSECT GRANULES

- KILLS INSECTS IN LAWNS
- LAWN & GARDEN INSECT CONTROL
- FLEA AND TICK CONTROL ON LAWNS
- [KILLS][CONTROLS] FLEAS AND TICKS HIDING IN HOME LAWNS
- KILLS TICKS THAT MAY CARRY LYME DISEASE
- CONTROLS HOME INVADING PESTS
- CONTROLS SURFACE AND FOLIAGE FEEDING PESTS
- TREATS UP TO 5,000, 10,000, 15,000 SQ. FT.
- 10 POUNDS TREATS 5,000 SQ. FT.
- FOR GRASS AND DICHONDRA LAWNS
- FOR OUTDOOR USE ON HOME LAWNS
- CONTAINS THE SYNTHETIC PYRETHROID PERMETHRIN
- CONTAINS THE INSECTICIDE PERMETHRIN
- CONTAINS PERMETHRIN, A LONG LASTING INSECTICIDE WHICH PROVIDES CONTACT AND RESIDUAL CONTROL OF OUTDOOR PESTS
- KILLS ANTS, FLEAS, BROWN DOG TICKS, [TICKS], FIRE ANTS, CRICKETS, CHINCH BUGS, CUTWORMS, BILLBUGS, SOD WEBWORMS, SPIDERS, AND OTHER LISTED INSECTS

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV - 3 2005
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under 71532-16

- READY TO USE
- LONG LASTING INSECT CONTROL
- KILLS 30+ INSECTS
- PROVIDES CONTACT AND RESIDUAL CONTROL FOR UP TO 4 WEEKS
- KILLS: Ants, Armyworms (including Fall, Yellow-Striped, etc.), Bear Tick, Bermudagrass mites, Billbugs (adult), Black Legged Tick, Boxelder Bugs, Brown Dog Tick, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetles, Deer Ticks, Digger wasps, Essex Skipper, European Crane Fly Larvae, Field Crickets, Fiery Skipper, Fire Ants, Flea Beetles (in dichondra), Grasshopper, Hyperodes (Turfgrass Weevils), Japanese Beetle (adult), Lawn Moths, Leaf Hoppers, Lone Star Ticks, Scorpions, Silverfish & Firebrats, Sod Webworms, Sowbugs, Spiders (inc. Black Widow), Spittlebugs, Springtails, Ticks, Vegetable Weevils (in dichondra), Western Black Legged Tick (*Ixodes pacificus*)

KILLS ANTS, FLEAS, TICKS, SPIDERS, SCORPIONS, CHINCH BUGS, GRUBS, SOD WEBWORMS AND OTHER LISTED INSECTS.

FOR USE ON LAWNS, AROUND SHRUBBERY AND HOUSE FOUNDATIONS

ACTIVE INGREDIENT:

*Permethrin:.....	0.5%
OTHER INGREDIENTS:.....	99.5%
TOTAL	100.0%

* (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2 dimethyl cyclopropanecarboxylate
Cis/Trans ratio: Max. 55% (+/-) cis and min. 45% (+/-) trans

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KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

Not for use on plants being grown for sale or other commercial use or for commercial seed production or for use on sod farms or in nurseries.

LG Permethrin 0.5% Lawn Insect Granules is recommended for the control of lawn insects, fleas, and ticks in outdoor residential areas. The use of a broadcast spreader is recommended for application to lawns, under shrubbery, and other ornamental and turf grass areas. Band treatments should be used around house foundations and spot treatments for treatment to ant mounds and wasps nests.

General Use Instructions

1. Determine the size of the area to be treated by measuring and multiplying the length times the width.
2. Determine the appropriate spreader settings using the chart on this label.
3. Make treatments as directed on the label. Thorough coverage is very important.
4. Water in with ¼ to ½ inches of water where indicated on this label.
5. Keep children and pets off treated areas until this material is washed into turf and grass is dry.

OVERALL TREATMENT FOR GRASS AND DICHONDRA LAWNS

For the control of **Ants, Armyworms (including Fall, Yellow-Striped, etc.), Bermudagrass mites, Billbugs (adult), Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Clover mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetles, Digger wasps, Essex Skipper, European Crane Fly Larvae, Field Crickets, Fiery Skipper, Flea Beetle (in dichondra),**

Grasshopper, Hyperodes (Turfgrass Weevil), Japanese Beetle (adult), Lawn Moths, Leafhoppers, Scorpions, Silverfish & Firebrats, Sod Webworms, Sowbugs, Spiders (including Black Widow), Spittlebugs, Springtails, Vegetable Weevils (in dichondra).

Apply LG Permethrin 0.5% Lawn Insect Granules uniformly to home lawns, under shrubbery, and other ornamental recreational turf grass areas. Treat when insects first appear using granules at the rate of 2 pounds per 1,000 sq. ft. or, for heavy lawns such as St. Augustine grass, 3 pounds per 1,000 sq. ft. using a fertilizer spreader (see spreader setting chart below). To obtain uniform distribution, apply one-half required amount of LG Permethrin 0.5% Lawn Insect Granules in one direction, then apply the balance at a right angle. Water the lawn lightly immediately following application. Re-treat as necessary.

European Crane fly larvae (Leatherjackets): For best results, apply in May or June when the insects are young.

Chinch Bugs: Begin applications when temperatures reach 80° F or above. If insect activity continues, a second application may be made in 6 weeks.

Sod Webworms (*Crambus Spp*): Sod Webworms are light brown caterpillars approximately ¼ to ¾ inches in length that hide in the grass during the day and feed on grass blades at night. Adult Webworms (or Lawn Moths) are 1 inch in length and come out at dusk to lay eggs that later hatch into the destructive caterpillars. The first sign of damage are small brown spots on the grass. If not treated, these develop into large brown areas of damaged or dead grass. If adults are noticed in large numbers at dusk, or at first sign of damage to lawn, treat entire lawn evenly.

OUTDOOR FLEA AND TICK CONTROL

To control Fleas and Ticks (including but not limited to Bear Tick, Black-legged Tick, Brown Dog Tick, Deer Tick (*Ixodes damini*) Lone Star Tick, Western Black-legged Tick, Wood Tick) follow a regular treatment program. Treat once a month when pests first appear in late spring (May – June) and continue until late summer (September – October). Fall temperatures below 50° F decrease pest activity. Keep lawns mowed and eliminate weeds to reduce the hiding places for these pests.

Note: Dogs, cats, their kennels and bedding area should also be treated with an appropriately registered product. If fleas and ticks are present indoors on carpets or pet resting areas, use a product registered by the EPA for use indoors. It is important to treat all three sites – outdoors, indoors and the pet itself, to achieve satisfactory control. Areas left untreated may become the source of reinfestation to the premises.

BAND (PERIMETER) TREATMENT AROUND HOUSE FOUNDATION

To help prevent infestation of buildings by Ants, Boxelder Bugs, Brown Dog Ticks, Centipedes, Cockroaches, Clover Mites, Crickets, Fleas, Scorpions, Sowbugs, Spiders (including Black Widow), Springtails (*Collembola*) and Ticks. Use one pound per 500 sq. ft. or 2 lbs. per 1,000 sq. ft. Apply a 5 foot band of granules next to the house foundation making sure to distribute the granules uniformly. Water lightly after application. Repeat as necessary.

SPOT TREATMENT

Ants Nesting Outdoors: For the control of ants outdoors, including **Acrobat, Argentine, Big Headed, Cornfield, Field, Harvester, Leafcutter, Little Black, Pavement and Pyramid Ants.** For best results, locate the nest and treat first. Nests are usually found in the ground but may also be under stones, boards, slabs or in stumps or logs. Apply LG Permethrin 0.5% Lawn Insect Granules thoroughly to cover the nest (1 to 2 teaspoons) and sprinkled gently with water. In addition, entry points to buildings (used by ants) and the soil surface along the perimeter of buildings should be treated.

Digger Wasps: Apply 1 to 2 teaspoons of granules in and around each individual ground nest opening. Make the application at dusk when wasps are not active.

Imported Fire Ants: Apply 1 cup over and 2 feet around each fire ant mound. Immediately after application, gently water the granules into the soil with a light sprinkling to avoid disturbing the colony. The use of high pressure watering equipment may disturb the colony and cause migration of the ants, thus reducing the effectiveness of the treatment. Apply in cool weather (65° - 80° F) or in early morning or late evening for best results. Treat new mounds as they appear.

SPREADER SETTINGS

Spreader Make & Model	Setting to Deliver	
	2 lbs./1,000 sq. ft.	3 lbs./1,000 sq. ft.
Cyclone Broadcast	X	X
Greenview Jet Spred III	X	X
Greenview Drop Spred III	X	X
Republic Drop EZ 530	<i>Note to EPA: Spreader Settings Available at Printing</i>	
Scotts AG3		
Scotts SG3	X	X
Scotts EG3	X	X
Scotts PF4	X	X
Sears Craftsman Broadcast	X	X
Sears Craftsman Drop	X	X

Note: Spreader settings are approximate and variation can occur between identical models. User should calibrate spreader by accurately weighing a few pounds into the spreader and applying to a measured area. Then adjust spreader setting if necessary to assure correct rate of application.

STORAGE AND DISPOSAL

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

Storage: Store product in its original container in a cool, dry, locked place out of the reach of children.

Disposal: If empty – Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty or any other warranty of Merchantability or Fitness for a Particular Purpose, express or implied extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use.

Manufactured by:
LG Life Sciences, Ltd.
20, Yoido-dong
Youngdungpo-gu
Seoul, Korea
EPA Reg. No. 71532-XXX
EPA Est. No. XXXX-XX-XXX