

73049-361

11-13-2003

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NOV 13 2003

Janice K. Sharp, Ph.D.
Regulatory Manager, ESD
Valent BioSciences Corporation 870 Technology Way
Libertyville, IL 60048

SUBJECT: Amendment - Update First Aid Statements
Permanent Lawn Granules
EPA Registration Number 73049-361
Your submission dated January 27, 2003

Dear Dr. Sharp:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comment(s) listed below.

Add the following exclusionary statement to the 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."

A stamped copy of the label has been enclosed for your records. If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,

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

Enclosure

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PERMANONE® LAWN GRANULES

- KILLS INSECTS IN LAWNS
- LAWN & GARDEN INSECT CONTROL
- TREATS UP TO 5,000 10,000 15,000 SQ. FT.
- CONTROLS HOME INVADING PESTS
- 10 POUNDS TREATS 5,000 SQ. FT.
- CONTROLS SURFACE AND FOLIAGE FEEDING PESTS
- FOR GRASS AND DICHONDRA LAWNS
- CONTAINS SYNTHETIC PYRETHROID
- FOR OUTDOOR USE ON HOME LAWNS
- CONTAINS PERMETHRIN
- CONTAINS PERMANONE
- READY TO USE
- KILLS: Ants, Armyworms (including Fall, Yellow-Striped, etc.), Bear Tick, Bermudagrass mites, Bill bugs (adult), Black Legged Tick, Boxelder Bugs, Brown Dog Ticks, Centipedes, Chiggers, Chinch Bugs, Clover mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetles, Deer Tick (*Ixodes scapularis*), Digger wasps, Essex Skipper, European Crane Fly Larvae, Field Crickets, Fiery Skipper, Fire Ants, Flea Beetle (in dichondra), Fleas, Grasshopper, Hyperodes (Turfgrass Weevil), Japanese Beetle (adult), Lawn Moths, Leafhoppers, Lone Star Tick, Scorpions, Silverfish & Firebrats, Sod Webworms, Sowbugs, Spiders (including Black Widow), Spittlebugs, Springtails, Ticks, Vegetable Weevils (in Dichondra), Western Black Legged Tick (*Ixodes pacificus*)
- PROVIDES CONTACT AND RESIDUAL CONTROL FOR UP TO 4 WEEKS

ACTIVE INGREDIENT:

Permethrin¹ 0.5 %

OTHER INGREDIENTS: 99.5 %
100.0 %

¹ Cis/trans ratio: Min. 35% (+/-) trans and max. 65% (+/-) cis.

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 73049-361

EPA EST. NO.

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.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-877-315-9819.

See Side Panel for Additional Precautions

ACCEPTED
with COMMENTS
in EPA Letter Dated

Net Contents:

NOV 13 2003
Under the Federal Insecticide,
Fungicide, and Rodenticide
as amended, for the purpose
registered under EPA Reg.
73049-361

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. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Permanone Lawn Granules are recommended for the control of lawn insects, fleas and ticks in outdoor residential areas. Broadcast treatment (using a spreader) are recommended to lawns, under shrubbery, and other ornamental and turf grass areas. Band treatments are recommended around house foundations. Spot applications should be made to ant mounds and wasp nests.

GENERAL USE DIRECTIONS

1. Determine size of area to be treated - measure and multiply length times width.
2. Determine appropriate spreader setting using chart.
3. Treat as directed - thorough coverage is important. Water in where indicated.
4. Keep children and pets off treated areas until after this material is washed into turf and grass is dry.

OVERALL LAWN TREATMENT FOR GRASS AND DICHONDRA LAWNS

To control *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 this product 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 help obtain uniform distribution, apply one-half required amount of product in one direction, then apply the balance at a right angle. Immediately after application, water the lawn lightly.

European Crane fly larvae (Leatherjackets - the best time to apply is in May or June when the insects are young).

Chinch Bugs - Start treatments when temperatures reach 80°F or above. A second application may be necessary in 6 weeks if insect activity continues.

FLEA AND TICK CONTROL (OUTDOORS)

In summer months, fleas and ticks frequently become established in lawns and pet resting areas surrounding the home. For best control of *Fleas and Ticks (including but not limited to Bear Tick, Black-legged Tick, Brown Dog Tick, Deer Tick (Ixodes scapularis), Lone Star Tick, Western Black-legged Tick, Wood Tick)*; a regular treatment program should be followed. 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. Eliminating weeds around the home and mowing lawns frequently reduces the hiding places for these pests.

Note: Dogs, cats, their kennels and bedding areas should be treated with a registered product. If fleas and ticks are present indoors on carpets or pet resting areas, use a product registered by EPA for use indoors. It is very important that all three sites - outdoors, indoors and also the pet be treated with appropriate labeled products to achieve satisfactory control. Any areas left untreated can serve as a source of reinfestation to the entire premises.

Sod Webworms (Crambus Spp)

Sod Webworms are the light brown caterpillars 1/4 to 3/4 inch long, that hide in the grass during the day and feed on the grass blades at night. Adult Webworms, usually referred to as Lawn Moths (about 1 inch in length with long snout) emerge from the grass at dusk. They fly over the lawn laying eggs that later hatch into destructive caterpillars. Damage appears first as small brown spots which, if not treated, may rapidly develop into large brown areas of severely damaged or dead grass. If Lawn Moths (Sod Webworm Adults) are noticed in large numbers at dusk, or at first sign of damage to lawn, treat entire lawn evenly.

BAND (PERIMETER) TREATMENT AROUND HOUSE FOUNDATION

To help prevent infestation of buildings by *Ants, Boxelder Bugs, Brown Dog Ticks, Centipedes, Cockroaches, Clover Mites, Crickets, Field Crickets, Fleas, Scorpions, Sowbugs, Spiders (including Black Widow), Springtails (Collembola) and Ticks*; treat at a rate of 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. Distribute granules uniformly. Water lightly after application.

SPOT TREATMENT

ANTS NESTING OUTDOORS: This product may be used outdoors for the control of ants, including: *Acrobat, Argentine, Big Headed, Cornfield, Field, Harvester, Leafcutter, Little Black, Pavement and Pyramid Ants*. If possible, it is best to try to locate the nest and treat this first. Nests will usually be found in the ground but may be concealed under stones, boards, slabs or in stumps or logs. Product should be applied to thoroughly cover the nest (1 to 2 teaspoons) and sprinkled gently with water. In addition to treating ant nests or mounds, entry points of buildings (used by ants) and the soil surface along the perimeter of the building 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 the wasps are not active.

Imported Fire Ants: Apply one cup over, and 2 feet around each fire ant mound. Immediately after application, water the granules into the soil gently with a light sprinkling to avoid disturbing the colony. Use at least 1 gallon of water per mound, but no more than 2 gallons. 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 and Model	Setting to Deliver:	
	2lbs/1000 ft ²	3 lbs/1000ft ²
Cyclone Broadcast	3	5
Greenview Jet Spred III	4	6
Greenview Drop Spred III	3	5
Republic Drop EZ 530	6 ½	8
Scotts AG3	6	7
Scotts SG3	4	5
Scotts EG3	24	26
Scotts PF4	6	7
Sears Craftsman Broadcast	5 ½	7
Sears Craftsman Drop	5 ½	7

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

STORAGE & DISPOSAL

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

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

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