

8378-59 9-23-2002 1/2  
**SHAW'S PERMETHRIN 50 LAWN INSECT GRANULES**

**ACCEPTED**

SEP 23 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8378-59

- 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 INSECTS •
- FOR GRASS AND DICHONDRA LAWNS •
- CONTAINS SYNTHETIC PYRETHROID •
- FOR OUTDOOR USE ON HOME LAWNS •
- CONTAINS PERMETHRIN •
- 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 Tick, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Cockroaches, Crickets, Cutworms, darkling ground beetle, Deer Ticks, (Ixodes dammini), Digger Wasps, Essex Skipper, European Crane Fly larvae, Field Crickets, Flery Skipper, Fire Ants, Flea Beetles (in Dichondra), Fleas, Grasshoppers, Hyperodes (Turfgrass Weevil, Japanese Beetle (adult), Lawn Moths, Leafhoppers, Lone Star Tick, Scorpions, Silverfish, and Firebrats, Sod Webworms, Sowbugs, Spiders (including Black Widow), Spittlebugs, Springtails, Ticks, Vegetable Weevil, (in Dichondra), Western black legged Tick (Ixodes pacificus)

**PROVIDES CONTACT AND RESIDUAL CONTROL FOR UP TO 6 WEEKS!**

**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 Min. 35%(+/-) cis and Max. 65% (+/-) trans.

**EPA REG. NO. 8378-59 EPA EST. 8378-IN-1**

**KEEP OUT OF REACH OF CHILDREN CAUTION**

**FIRST AID**

**IF SWALLOWED** - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

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

**IF ON SKIN OR CLOTHING:** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice. Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment.

See side / back panel for additional Precautionary Statements. In case of medical emergencies or health and safety inquiries or in case of fire, leaking damaged containers, information may be obtained by calling 1-800-334-7577.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and domestic animals**

**CAUTION** Cause moderate eye irritation. Avoid contact With eyes or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish. Do not apply directly to water. Drifts and runoffs from treated areas may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water when disposing of equipment washwaters.

**Net Weight 50 Pounds**

**KNOX FERTILIZER CO.**

**P.O. BOX 248 - KNOX IN 46534.**

**DIRECTIONS FOR USE**

It is a violation Of Federal law to use this product in a manner inconsistent with its labeling. For outdoor use around the home only. Not for use on plants being grown for sale or other commercial use on Sod Farms or for research purposes.

**READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

This product is recommended for control of lawn insects, fleas, and ticks, in outdoor residential areas. Repeated applications are made by broadcast treatment with a spreader to lawns, under shrubbery, and other ornamental and turfgrass areas, band treatments are recommended around house foundations and spot applications are made to ant mounds and wasp nests.

**STORAGE AND DISPOSAL**

**STORAGE:** Store this product in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

**PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

**IF EMPTY:** Do not reuse this bag. 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.

**SPILL:** In case of spill, sweep up and dispose of material according to Product Disposal directions listed above.

**GENERAL USE DIRECTIONS**

1. Determine the 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 this material is washed into turf and grass is dry. Do not use food utensils such as measuring cups or teaspoons for food after use with pesticides.

**OVERALL LAWN TREATMENT FOR GRASS AND DICHONDRA LAWNS:**

**TO CONTROL:** Ants, Armyworms, (Including Fall, Yellow-Striped, etc.), Bear Tick, Bermudagrass Mites, Bill bugs (Adult), Black Legged Tick, Boxelder Bugs, Brown Dog Tick, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetle, Deer Ticks(Ixodes dammini), Digger Wasps, Essex Skipper, European Crane Fly larvae, Field Crickets, Flery Skipper, Fire Ants, Flea Beetles (in Dichondra), Fleas, Grasshoppers, Hyperodes (Turfgrass Weevil), Japanese Beetle (adult), Lawn Moths, Leafhoppers, Lone Star Tick, Scorpions, Silverfish, and Firebrats, Sod Webworms, Sowbugs, Spiders (including Black Widow), Spittlebugs, Springtails, Ticks, Vegetable Weevil, (in Dichondra).

Apply this product uniformly to home lawns, under shrubbery, and other ornamental or recreational turfgrass areas. Treat when insects first appear using granules at the rate of 2 pounds per 1,000 sq./ft. For heavy lawns ( such as St. Augustine grass; use 3 pounds per 1,000 sq.ft. using a fertilizer spreader. See spreader setting chart To help obtain uniform distribution, apply one-half the required amount of product in one direction, then apply the balance at a right angle. Immediately after application, water the lawn lightly. Re-treat if insects reappear.

**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.

**Fleas and Ticks CONTROL (OUTDOORS) -**

In summer months, fleas and ticks frequently thrive in lawns and outdoor pet resting areas around the home. For best control of FLEAS AND TICKS (Including, but not limited to): Bear Tick, Black-legged Tick, Brown Dog Tick, Deer Ticks Ixodes dammini), Lone Star Tick, Western Black Legged Tick, Wood Ticks; a regular control 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 degrees decrease pest activity. Eliminating weeds around the home and mowing lawns frequently reduces the hiding places for these pests.

**NOTE:** Dogs, cats, their kennel or bedding area should also be treated with a registered product. In addition, if fleas and ticks are indoors on carpets or pet resting areas, use a registered product such as "Vikor Insecticide Concentrate" or "Vikor Home (est control)", ideally in combination with an insect Growth Regulator such as "Alter EC". It is very important that all three sites - outdoors, indoors, and also the pet, be treated with appropriate labeled products to achieve satisfactory control. If any of these areas is not treated, it could serve as a source of reinfestation to the entire premises. .cont 08-14-02

**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, Cricket, 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. Repeat at 3 to 4 week intervals during the season or as new insects may appear.

**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 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 (1/4 measuring cup) 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	Setting to Deliver:	
	2 lbs. / 1,000 sq.ft.	3 lbs. / 1,000 sq.ft.
Spreader Make and Model		
Cyclone Broadcast	3	5
Greenview jet Spred III	4	6
Greenview Drop Spred III	3	5
Republic Drop EZ 530	6 1/2	8
Scotts AG3	6	7
Scotts SG3	4	5
Scotts EG3	24	26
Scotts PF4	6	7
Sears Craftsman Broadcast	5 112	7
Sears Craftsman Drop	5 112	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.

**IMPORTANT: READ BEFORE USE**

By using this product, user or buyer accepts the following conditions, warranty, 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, because of manner of use, and other factors beyond Knox Fertilizer Co.'s control, it is impossible for Knox Fertilizer Co. to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTY:** THERE ARE NO WARRANTIES, EXPRESS, OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Knox Fertilizer Co. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Knox Fertilizer Co. disclaims any liability whatsoever, for incidental, or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR AT KNOX FERTILIZER CO'S. ELECTION; THE REPLACEMENT OF PRODUCT.

***KNOX FERTILIZER COMPANY***  
***P.O. BOX 248 - KNOX IN 46534***