

GROUP	4	INSECTICIDE
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VERIDIAN™ 0.33G

INSECTICIDE

COMMERCIAL

Granular Insecticide for systemic control of listed insect pests on turfgrasses on golf courses, residential lawns, commercial grounds (i.e., office and shopping complexes, airports), parks, playgrounds, athletic fields and sod farms.

GUARANTEE:

Thiamethoxam 0.33%

**READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: **29736**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **5 kg – 20 kg**

Syngenta Canada, Inc.
140 Research Lane, Research Park
Guelph, ON
N1G 4Z3
Telephone: 1-877-964-3682

Label

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

FIRST AID

IF POISONING IS SUSPECTED, call a physician or poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

IF SWALLOWED, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre 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 a few minutes. Remove contact lenses, if present, after the first five minutes. Continue to rinse eyes for 10-15 minutes. Seek medical attention **IMMEDIATELY** if irritation persists or is severe.

IF ON SKIN, remove all contaminated clothing. Wash contaminated skin with soap and plenty of water. If irritation occurs, obtain medical attention.

IF INHALED, remove victim from contaminated area to fresh air. Give artificial respiration if necessary. Obtain medical attention or contact a poison control centre.

TOXICOLOGICAL INFORMATION

There is no specific antidote for this product if ingested. Treat symptomatically.

PRECAUTIONS

Safety Precautions:

1. Hazard to Humans and Domestic Animals.
2. KEEP OUT OF REACH OF CHILDREN and domestic animals. PREVENT ACCESS BY UNAUTHORIZED PERSONNEL.
3. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.
4. Wear a long-sleeved shirt, long pants, chemical resistant gloves, socks and boots when mixing and loading, and wear a long-sleeved shirt, long pants, socks and boots during application. In addition, wear a suitable dust mask approved by NIOSH/MSHA when mixing, loading and applying.
5. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
6. Avoid contamination of feed and foodstuffs.
7. DO NOT APPLY BY AIR.

8. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Environmental Hazards:

Toxic to aquatic organisms.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

TOXIC to bees. Bees can be exposed to product residues in pollen and/or nectar resulting from granular application. Avoid application to flowering plants.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

STORE IN A COOL, DRY PLACE.

DECONTAMINATION AND DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

CONTAINER DISPOSAL:

1. Completely empty the bag into granular application equipment.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (1-800-FASTMED)***

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GENERAL INFORMATION

VERIDIAN 0.33G is a broad spectrum insecticide when applied at label rates to turfgrass and soil. It is systemically active against certain chewing soil pests. Rainfall or irrigation causes the

active ingredient of VERIDIAN 0.33G to be released from the granule. Once released, it is readily carried into the soil. In the soil, VERIDIAN 0.33G will control labeled soil pests upon contact or ingestion of the active ingredient and is also readily taken up by plant roots. Through feeding on the plant, pests are exposed to the active ingredient in VERIDIAN 0.33G. Feeding will stop within minutes to hours of exposure and be followed by death of the pest. The moderate persistence of VERIDIAN 0.33G in the soil also provides residual control of labelled pests. VERIDIAN 0.33G is not active as an ovicide or as an insect growth regulator.

DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

BROADCAST APPLICATIONS TO TURF

Apply VERIDIAN 0.33G as a broadcast application to turfgrass for control of targeted pests listed on Table 1. With calibrated granular equipment, uniformly apply VERIDIAN 0.33G over the area being treated. Irrigation or rainfall is recommended within seven days of preventive treatments and one day of curative treatments to move VERIDIAN 0.33G into the root zone where larvae feed. Adequate soil moisture before and after application should be maintained for optimum control and healthy turfgrass growth. Excessively wet or dry conditions may impact the performance of VERIDIAN 0.33G against listed pests and thus these extremes should be avoided when using this product. Avoid mowing the turf until the treated area has been irrigated or rainfall has occurred to allow for maximum and uniform uptake into the turfgrass or soil. Do not make any subsequent application of a Group 4 Insecticide following treatment with VERIDIAN 0.33G.

Table 1. Directions for Use on Turfgrass

Use sites include turfgrass on golf courses, residential lawns, commercial grounds (i.e., office and shopping complexes, airports), parks, playgrounds, athletic fields, and sod farms.

Use Pattern	Pests	Rate	Remarks
Broadcast application	Larvae of:	700 – 900 (g product/100 m ²)	Application Timing: Apply one application from peak of adult flight to 3 rd instar larvae of the species being targeted. For optimum control, treat from peak flight to peak egg hatch. For specific information about developmental stages of the target pest and optimal timing of applications, consult with your local turf specialist. For turf with heavy thatch (more than 2cm), use the higher rates within the recommended range. VERIDIAN 0.33G is not phytotoxic to any major turfgrass species. If application is made later in the season, use of the higher rate is recommended. Do not make any subsequent application of Group 4 Insecticide following treatment with Veridian 0.33G.
	European chafer (<i>Rhizotrogus majalis</i>)	or 70 - 90 (kg product/ha)	
	Japanese beetle (<i>Popillia japonica</i>)	or 225–300 (g ai /ha)	
	Black turfgrass ataenius (<i>Ataenius spretulus</i>)		
	Masked chafer (<i>Cyclocephala</i> spp.)		
DO NOT apply VERIDIAN 0.33G by hand.			
DO NOT apply this product through any type of irrigation system.			
DO NOT apply more than 0.9 kg/ha of VERIDIAN 0.33G or (300 g/ai. thiamethoxam) per hectare per year.			

Resistance-Management Recommendations

For resistance management, please note that VERIDIAN 0.33G contains a Group 4 insecticide (neonicotinoid class of chemistry). Any insect population may contain individuals naturally resistant to VERIDIAN 0.33G and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area.

To delay insecticide resistance:

Where possible, rotate the use of VERIDIAN 0.33G or other Group 4 insecticides with different

groups that control the same pests in a field.

Use tank mixtures with miticides/insecticides from a different group when such use is permitted.

Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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