

**BioTitan GR**

**COMMERCIAL**

**Biological Mycoinsecticide**

**Granular**

For the reduction in number of Chinch bug and larvae of European chafer and Japanese beetle in turf.

**ACTIVE INGREDIENT:** *Beauveria bassiana* strain ANT-03 containing at least  $2 \times 10^9$  spores (conidia)/g.

**REGISTRATION NO: 33924 PEST CONTROL PRODUCTS ACT**

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL BEFORE USING**

**POTENTIAL SENSITIZER  
WARNING EYE IRRITANT  
WARNING POISON**

**Net Contents: 500 g to 25 kg**

**Lot No.**

**Date of manufacture:** \_\_\_\_\_

Anatis Bioprotection  
278, rang Saint-André  
Saint-Jacques-le-Mineur (QC, Canada), J0J 1Z0  
Telephone: 1-800-305-7714; Fax: 514-485-0323  
E-mail: [info@anatisbioprotection.com](mailto:info@anatisbioprotection.com)  
[www.anatisbioprotection.com](http://www.anatisbioprotection.com)

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. May be fatal if inhaled. DO NOT inhale/breathe dusts. Causes eye irritation. DO NOT get in eyes. May cause sensitization. Avoid contact with skin and clothing. Wear a waterproof gloves, long-sleeved shirt, long pants, goggles, socks and shoes, as well as a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when handling, mixing/loading or applying the product and during all clean-up/repair activities. DO NOT re-enter or allow re-entry into treated areas for 4 hours or until dusts have settled, unless wearing appropriate personal protective equipment including long-sleeved shirt, long pants, socks and shoes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

### 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 centre or doctor for treatment advice.

**IF ON SKIN** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## ENVIRONMENTAL PRECAUTIONS

The potential effects of this product on some non-target beneficial insects are not known. May be harmful to beneficial insects and bees. Avoid applications to blooming plants or weeds. If applications must be made during blooming weeds, restrict applications to the evening when most bees are not foraging. To further minimize exposure to pollinators, refer to the complete guidance "Protecting Pollinators during Pesticide Spraying – Best Management Practices" on the Health Canada website ([www.canada.ca/pollinators](http://www.canada.ca/pollinators)).

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

## STORAGE

Store in a cool, dry place. Can be stored up to 16 months at room temperature (20–25°C) in an unopened package. Tightly reclose the container of unused product to prevent decrease of the efficacy. BioTitan GR contains live spores of the naturally occurring fungus, *B. bassiana*. Spores may be damaged by storage at high temperatures (higher than 25°C) or contact with water for more than 24 hours. To prevent contamination, store this product away from food or feed.

## DISPOSAL

1. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. 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.

## GENERAL INFORMATION

BioTitan GR is a granular formulation containing live spores of the naturally occurring fungus *Beauveria bassiana* strain ANT-03 as the active ingredient.

These live spores may be sensitive to environmental conditions. For optimal efficacy:

- Do not apply in extremely hot weather.
- On sunny days, apply later in the afternoon; do not apply at mid-day when temperatures are highest and the sun is most intense.

### **BioTitan GR reduces numbers of:**

Chinch bug and larvae of European chafer and Japanese beetle in turf.

## DIRECTIONS FOR USE

To protect pollinators, follow the instructions regarding bees in the Environmental Hazards section.

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.

DO NOT apply using aerial application equipment.

This product can be spread from a shaker jug or with another tool used manually. A spreader may be used to optimise the uniformity of the rate spread over a large surface. Begin treatment of crops at the first appearance of the insect pest. Application rates, frequency, spray coverage and insect numbers impact the speed at which acceptable control is achieved. BioTitan GR is most effective when used early, before high insect populations develop. It takes 5-7 days after the first application to observe control. Reapply if necessary, as directed below under APPLICATION FREQUENCY AND TIMING. Multiple applications may be required to reduce numbers of target pests.

**Do not mix with fungicide.** If a fungicide must be used, make the application of the fungicide at least 4 days before the BioTitan GR application or at least 2 days after the BioTitan GR application.

#### **APPLICATION RATE**

Apply at rate of 10-20 g/m<sup>2</sup> (1 to 2 kg per 100 m<sup>2</sup>) according to insect pest and population density.

Use quantity sufficient to cover the surface infested with insect pests (125 g corresponds to 1 cup, sufficient to cover between 6 and 12 m<sup>2</sup>).

The manufacturer recommends: to keep the ground well humidified after spreading.

#### **APPLICATION FREQUENCY AND TIMING**

Reapply if necessary, within a 7-day interval. In case of pest outbreak, the product can be used every 3-5 days. Multiple applications may be required to reduce numbers of target pests. There is no limit on number of applications.

#### **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.