

**FACT SHEET**

# Green Guard® SC Premium

## Biological Insecticide

Green Guard® SC offers biological control of locusts and grasshoppers. Formulated with the naturally occurring fungus *Metarhizium*, Green Guard SC offers a pest control solution for environmentally sensitive areas.

**Active ingredients**

100 g/L *Metarhizium anisopliae* var. *acridum*

**Pack sizes**

1L and 4L

**Rainfastness**

6 hours after application

**Storage**

Store in cool conditions, 2-8°C. Do not freeze. Short term storage at room temperature prior to use is acceptable

**Withholding periods**

No grazing or cut for stock feed restrictions. 7 day harvest restriction for wine grapes. No harvest restrictions for any other crops when used as directed

**Re-entry periods**

Do not enter treated area for 24 hours unless wearing appropriate personal protection equipment as directed by the label

**Label & SDS**

Always read and follow the label directions and the SDS for product safety information.

This information can be obtained at [crop-solutions.basf.com.au](http://crop-solutions.basf.com.au)

- Biological control of plague locust nymphs, wingless grasshoppers and other pest grasshoppers
- An all in one oil suspension formulation for easy application with no mixing required
- No withholding period for most grazing and broadacre cropping situations
- Has no effect on other insect species

**Recommended use**

- Use for the preventative control of locust and grasshoppers in environmentally sensitive areas
- Has no effect on other insect species. Removal of beehives from treated areas is recommended as a safeguard as spores may be foraged instead of pollen
- Easy application with no mixing required



Biological control with metarhizium infection

Source: CSIRO <http://www.scienceimage.csiro.au/tag/locusts/i/1367/locusts-attacked-by-the-fungus-metarhizium/>

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## Biological Insecticide

### Application details

- Apply at a rate of 500 mL/ha as directed on the label
- Shake container well prior to use to ensure formulation is well mixed
- Apply by ground application with a boom or boom-less jet
- Apply in water volumes of 75-225 L/ha, use higher water volumes on taller thicker vegetation
- The products active ingredient consists of small particles which may block very fine mesh filters. Use of larger mesh filters is recommended
- Apply when temperatures range from 15-30°C
- This product is not to be used with other pesticides

### Maximising control

- Understanding the lifecycle, movement and feeding habits of locust and grasshoppers is important to maximising control
- Ensure all grasshoppers have hatched prior to treatment.
- Use as a preventative control of locusts and grasshoppers.
- Application to the nymph growth stage is critical to minimise crop damage
- Once locust and grasshoppers are dense and begin forming discreet bands. Treatment of a 10-15 metre band of vegetation in front of the moving locusts is recommended. Followed by treatment of the locust band itself to ensure crop protection

### Spore viability and infection

- Infection occurs when locust and grasshoppers are in direct contact with spores during application or as they move through the treated vegetation
- Locust and grasshoppers are less mobile in these earlier growth stages and can forage for longer periods in treated vegetation maximising spore infection
- The rate of spore infection is optimised at 25-30°C
- If temperatures are greater than 33°C the locusts can resist spore colonisation
- Spore can remain viable for up to 14 days, however, the persistence on vegetation and control provided declines to 50% within 4 days and 10% by 14 days
- Symptoms can take up to a 8-12 day timeframe to provide full control of infected locusts and grasshoppers
- No withholding period for grazing and most cropping situations. Wine grapes require a WHP of 7 days

For more information on Green Guard SC, visit [crop-solutions.basf.com.au](http://crop-solutions.basf.com.au)

or call **1800 558 399**

#### **ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCT IN THIS FACT SHEET.**

This fact sheet is intended as general advice. Disclaimer: The information submitted in this publication is based on current BASF knowledge and experience. In view of the many factors that may affect its application, this data does not relieve the user from carrying out their own tests. The data does not imply assurance of certain properties or of suitability for a specific purpose. It is the responsibility of the user to ensure that any proprietary rights and existing laws and legislation are observed.