



## Ceasefire 80 SC Insecticide

### *Ceasefire 80SC Insecticide – 80 g/L bifenthrin*

Ceasefire 80 SC Insecticide is a contact and residual insecticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when Ceasefire 80 SC Insecticide is applied before pest populations build up to damaging levels.

Ceasefire 80 SC Insecticide is a member of the Group 3A Insecticides (synthetic pyrethroids) and the mode of action is through sodium channel modulation. Its low solubility in water and high affinity for soil particles combine to produce low potential leaching and little impact in aquatic systems.

Ceasefire 80 SC Insecticide has extended residual activity that controls target insects via contact and ingestion for up to 8 weeks. The residual nature permits pest control over longer periods when compared to traditional insecticides, this long-term residual control limits the number of pesticide applications required.

The odourless, liquid formulation is specifically designed for turf managers to achieve uniform distribution across the turf surface to enhance the degree of insect control. In addition, the suspension concentrate formulation contains no harsh solvents that have potential to cause damage to both the turf and the environment. Ceasefire 80 SC Insecticide is rainfast once dry and not degraded by sunlight it is ideal for application in most situations.

Ceasefire 80 SC Insecticide possesses a broad spectrum of activity and is particularly effective as a fast acting knockdown on adult pests. It has outstanding efficacy on adults of several species (an adulticide) and larvae of Lepidoptera species.

The residual nature of Ceasefire 80 SC Insecticide offers the turf manager a proven ability to control a wide range of insect pests in turf over an extended period.

#### **Features and Benefits**

- Outstanding efficacy – On adults of several species (an Adulticide) and larvae of Lepidoptera species
- Long-term residual control – limits the number of pesticide applications
- A liquid formulation (suspension concentrate) – suitable for easy application and safe for use in warmer conditions (low phytotoxicity)
- An odourless product, rainfast once dry and not degraded by sunlight – ideal for application in most situations

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## Application with Other Products to Enhance your Insect Control

Ceasefire 80 SC Insecticide has a unique ability to control the adults of the Scarab beetles and Weevil pests of sportsturf. These include the major pests of turf such as African Black Beetle (*Heteronychus arator*) and Billbug (*Sphenophorus brunneipennis*).

Incorporation with a larvicide such as Tirem 200 SC Insecticide or Columbus Insecticide in a tank mix is recommended to control all stages an insect's life cycle. Any application combining these two products will control the current population and their residual nature will prevent further insect infestations.

## Application Information

To ensure even application and optimum control, apply in a minimum volume of 200 L of water per hectare and then irrigate with up to 4 mm of water soon after application.

Inspect areas for continuing activity and reapply as necessary. Apply after mowing to minimise loss in clippings. When targeting insects in the leaves and crown, it is recommended to use Turfwett Non-ionic Surfactant with the spray solution. For thatch inhabiting insects, it is advised to use Maximiser Push Through @ 1L/ha.

## DIRECTIONS FOR USE

### Restrictions:

DO NOT use this product at less than indicated label rates.

DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the chemical.

Crop	Pest	Rate	Critical Comments
Turf (for example: lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	Lawn armyworm ( <i>Spodoptera maurita</i> )	1.5L/ha (15mL/100m <sup>2</sup> )	Mix Ceasefire 80 SC Insecticide in water and apply evenly over the area to be treated using spray application equipment.
	Sod webworm ( <i>Herpetogramm a licarsialis</i> )		Use a minimum total volume of at least 200L/ha (2L/100m <sup>2</sup> ).  To ensure optimum control irrigate the treated area with up to 4mm water soon after application.
	Argentine Stem Weevil adults ( <i>Listronotus bonariensis</i> )	1.5-3.0L/ha (15-30 mL/100m <sup>2</sup> )	Inspect treated areas for continuing activity. Re-apply as required.
	African Black Beetle adults ( <i>Heteronychus arator</i> )	1.5-4.5L/ha (15-45 mL/100m <sup>2</sup> )	Where a rate range is indicated use lower rates under lower insect pressure and higher rates under higher insect pressure.
	Billbug adults ( <i>Senophorus sp</i> )	1.5-3.0L/ha (15-30 mL/100m <sup>2</sup> )	Apply after mowing to minimise loss of insecticide in clippings.

Always refer to the registered label before use.

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