



# Compel<sup>®</sup> Pro

Insecticide



Product Information



## What is Compel Pro Insecticide?

*Compel Pro is a unique water-based formulation containing 100g/L of the active ingredient bifenthrin, a reliable and trusted broad spectrum insecticide. It is registered for the control of Lepidopteran pests such as Lawn Armyworm and Sod Webworm and adult stages of Coleopteran pests including Argentine Stem Weevil, Billbug and African Black Beetle in all recreational turf situations. Compel Pro is also registered for the control of several ant species including Black Ant, Coastal Brown Ant, Funnel Ant, Meat Ant, Sugar Ant and Stinging Ants in turf situations.*



## Features of Compel Pro Insecticide

- ✓ Improved water-based suspension formulation free from solvents
- ✓ Low odour and staining potential due to no solvents present in formulation
- ✓ Greatly improved plant safety, ideal for use on fine cut turf surfaces such as golf and bowling greens
- ✓ Economical form of insect control
- ✓ Extremely broad spectrum over a wide range of pest species
- ✓ Excellent UV stability – enhances residual performance
- ✓ Contains an in-built surfactant – no additional adjuvant is required
- ✓ Good tank mix flexibility – suitable for mixing with a range of other plant protection products

## Compel Pro at a glance

Active Ingredient	100g/L Bifenthrin
Formulation	Suspension Concentrate (SC)
Pack Size	5L, 20L
Rate	1.2-4.4L/ha (Turf)
Poison Schedule	Schedule 6 (Poison)
Mode of Action	Group 3A Insecticide

## > Compel Pro Mode of Action

Bifenthrin, the active ingredient in Compel Pro, kills insect pests by interfering with the normal functions of the nervous system. Bifenthrin interferes with the sodium channel gating mechanism that underlies the generation and conduction of nerve impulses through the insect's body. Causing an electrical imbalance, Compel Pro throws the whole nervous system into spasm, ultimately leading to paralysis and death of the susceptible insect pest.

Compel Pro is a class 3A insecticide, and belongs to the synthetic pyrethroid group of insecticide chemistries. Compel works via contact activity on the target insect and is not systemic within the plant.

## > Compel Pro Formulation

As a suspension concentrate formulation of bifenthrin, Compel Pro possesses no harsh solvents like alternative EC formulations. The result is a product that is safer to use on turf and ornamental plants, has a lower odour and reduced staining potential on timber and concrete surfaces. This makes Compel Pro the ideal formulation for use around buildings, traffic areas and rights of way.

## > Compel Pro Application Information

Compel Pro Insecticide is applied at a rate of 1.2-4.4L/ha (12-44mL/100m<sup>2</sup>) in turf situations, depending upon the target insect. For application in turf, it is recommended that Compel Pro be applied in a minimum of 200L of water per hectare with a medium sized droplet to obtain an even coverage over the turf surface. For soil borne insects, 4mm of irrigation maybe required to place the active ingredient into the rootzone. Apply after mowing to minimise loss of insecticide in clippings.

> **Key Insects Controlled**

**Lawn Armyworm**



**Scientific Name:** *Spodoptera maurita*  
**Site of Activity:** Foliage / Thatch  
**Periods of Activity:** Spring, Summer, Autumn  
**Number of Generations:** 2-3 per year

**Sod Webworm**



**Scientific Name:** *Herpetogamma licarsisalis*  
**Site of Activity:** Foliage / Thatch  
**Periods of Activity:** Late Summer / Autumn  
**Number of Generations:** 2-3 per year

**Argentine Stem Weevil**



**Scientific Name:** *Litronotus bonariensis*  
**Site of Activity:** Foliage / Thatch  
**Periods of Activity:** Late Spring / Summer  
**Number of Generations:** 2-3 per year

**Billbug (adults)**



**Scientific Name:** *Spenophorus brunnipennis*  
**Site of Activity:** Soil / Thatch  
**Periods of Activity:** Late Spring / Summer  
**Number of Generations:** 1-2 per year

**African Black Beetle (adults)**



**Scientific Name:** *Heteronychus arator*  
**Site of Activity:** Soil  
**Periods of Activity:** Spring / Late Summer  
**Number of Generations:** 1 per year

**Ant Species (various)**



**Scientific Name:** Various  
**Site of Activity:** Soil / Thatch  
**Periods of Activity:** Spring / Summer mainly  
**Number of Generations:** Several per year

> **Residual Activity**

Compel Pro has excellent UV stability unlike many other synthetic pyrethroids. As a result, Compel can provide extended residual activity in turf for up to 8 weeks.

> **In-built Surfactant**

Compel Pro contains an in-built surfactant, reducing the need for additional adjuvant. The in-built surfactant enhances active ingredient coverage over the leaf surface, maximising the potential to contact the target insect.

> **Tank Mixing Flexibility**

Compel Pro is suitable for combining with a number of plant protection products. This includes, but is not limited to mancozeb, chlorothalonil, pendimethalin, metolachlor, metribuzin and pendimethalin.

*Other products available from Amgrow*



**Pride Insecticide**

Pride is an insecticide containing 200g/L of the active Imidacloprid.

It is specifically registered for the control of African Black Beetle, Argentinian Scarab, Billbug (larvae) and Pruinose Scarab in turf situations and a wide range of sucking pests in ornamental plant applications.

**Pro-Film 904**

Pro-Film 904 Non-Ionic Extender / Sticker / Spreader is a unique, high quality, multi-purpose non ionic adjuvant, designed to enhance performance of herbicides, fungicides, insecticides and PGR's applications. Pro-Film 904 is a completely natural product derived from pine resin technology developed by the market leading company in the US - Miller Chemical Company.

