

Super Pest Preventor

Prestige Super Pest Preventor is a unique biostimulant formulation designed to deter soil pests and reduce the destruction of turf from root damage and disease.

The product uses a unique combination of surfactants, essential oils, and garlic to create conditions that change the environmental condition and improve overall plant health. Super Pest Preventor can be used as part of an Integrated Pest Management Strategy.

Features and Benefits

- Can be incorporated into an Integrated pest and disease management strategy.
- Can be readily tank mixed with other products in the Prestige range such as Super Soil Acidifier to enhance their performance.
- Improves overall plant health through stimulating plant growth and a subsequent reduction in disease and pest damage.
- Effectively discourages soil pests from feeding and causing damage at the turf surface and on plant roots.
- Discourages worms from coming to the turf surface, leading to a reduction in casting. This effect will be enhanced when applied with Super Soil Acidifier.
- A dew dispersal effect has also been observed when using the product, which will further reduce disease spread.

Application Rates

We recommend applying the product at a rate of 20 ltr/ha with a water rate of 700 - 1000 ltr per hectare. If tank mixed with Super Soil Acidifier, a rate of 10 ltr/ha should be sufficient to achieve the desired effects. Applications should be made at monthly intervals or as required – more frequent applications can be made where pest problems are especially severe. Applications during early Spring and Autumn will be most effective, applications can start as early as July if there is a requirement. Take appropriate measures to prevent the product from entering water bodies during application.

Use	Super Pest Preventor Volume	Water Volume	Area	Frequency
Stand alone application	20 ltrs	700 - 1000 ltrs	1 ha	Up to monthly applications or as required
Tank mixing with Super Soil Acidifier	10 ltrs + 20 - 40 ltrs Super Soil Acidifier	700 - 1000 ltrs	1 ha	Monthly as per Super Soil Acidifier programme or as required

Super Pest Preventor

The formulation has been extensively researched to produce a reliable and effective product. It is unique for turf grass and supported by extensive research. The main ingredients are:

Garlic

Garlic contains compounds that, when regularly applied to soil, will create an environment that discourages turf pests such as leatherjackets. Materials present such as sulphur and selenium will also help stimulate plant vigour, improving overall stress resistance. Garlic extracts have also been shown to reduce the spread of common turf diseases.

Essential Oil Blend

The product utilises essential oils which are known to have insect repellent properties and potentially biostimulant effects. An additional benefit of incorporating the oils is that unlike most standalone garlic treatments, the product has a pleasant smell - it is designed to repel pests, not golfers! The essential oils we have incorporated have also been shown to reduce the spread of common turf diseases.

Surfactant Blend

The surfactants used in the product have been chosen specifically to help the ingredients distribute evenly in the soil. They are designed to overcome any water repellence that might be present in the soil, ensuring that the whole area is treated evenly. They will allow the product to completely infiltrate into the soil so none of it is lost in surface runoff. The surfactants also keep the oils evenly distributed within the product itself - without them the oils would just sit on the surface and it would be impossible to apply them evenly. They also help Super Pest Preventor have a dew dispersal effect when sprayed, which will further reduce conditions that promote disease spread.

Integrated Pest and Disease Management

With options for pest control in amenity turf becoming more and more limited, products that act to deter and discourage pests rather than kill them are going to become a valuable tool for turf managers. We have also observed reduced disease incidence when using the product in the field, which was often enhanced when the product was tank mixed with Super Soil Acidifier.

Leatherjacket Case Study

Field trials have shown that leatherjacket feeding activity was reduced at the turf surface in areas treated with Super Pest Preventor. The deterrent effect of the product helped 'speed-up' the emergence of adult crane flies from the soil in treated areas, which was determined via a notable increase in the number leatherjacket cases left on the turf surface. It is likely that younger leatherjackets that were not ready to emerge were sent deeper into the soil, which prevented them from feeding at the turf surface. Less leatherjackets present in the upper layers of soil equals less damage to turf! We predict that regular applications of the product will deter the emerged adult crane flies from laying their eggs in treated areas, providing long-term benefits for turf health.

Biostimulant Effects

It has been observed in field trials that turf colour has been improved when applying the product as a standalone treatment, as well as when tank mixed with Super Soil Acidifier. There are no added nutrients in the product (apart from traces naturally present in the ingredients used), so we know this enhanced colour can be attributed to the biostimulant effect that has been documented for the individual ingredients.