

The longest lasting pythium fungicide



Proplant®

"It's what makes pythium scared!"

What is Proplant

The turf industry has been restricted to a limited number of anti-pythium fungicides that are registered for use on turf. Proplant is developed, specifically for the eradication and prevention of all types of Pythium (damping off).

How To Apply Proplant

- Proplant is a Group Y Fungicide and is easily applied through conventional spray equipment.
- Proplant is 100% water miscible after initial mixing with no further agitation required. Further more, Proplant does not have to be mixed with any other chemical to gain greater efficacy for pythium control.
- **The rate for Proplant is 45-65mL/100m².** For best results use the higher rate. This will ensure maximum protection of 3-4 weeks. During periods of high disease pressure Proplant may have to be reapplied at shorter intervals to ensure continued protection.
- Apply sufficient water to obtain coverage. In conducting trials with Proplant it was found to best irrigate after application when using a boom spray with the equivalent of 5mm water. Or if using a verti spray it is recommended to lightly wash Proplant off the leaf to allow Proplant acropetally systemic fungicide meaning it moves in an upwards direction throughout the plant. Hence Proplant will ensure new shoots are protected.

How does Proplant work

- The leaf, stem and roots of the plant rapidly absorb Proplant and it thus quickly spreads throughout the plant with its systemic upward action giving a long effective residual.
- As a curative measure, Proplant attacks the cell membrane of mycelium, eliminates the fungi and prevents any new spores from germinating.
- As a preventative measure it protects the plant from any fungal infection that may or may not be visibly present.



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The Key to Professional Turf

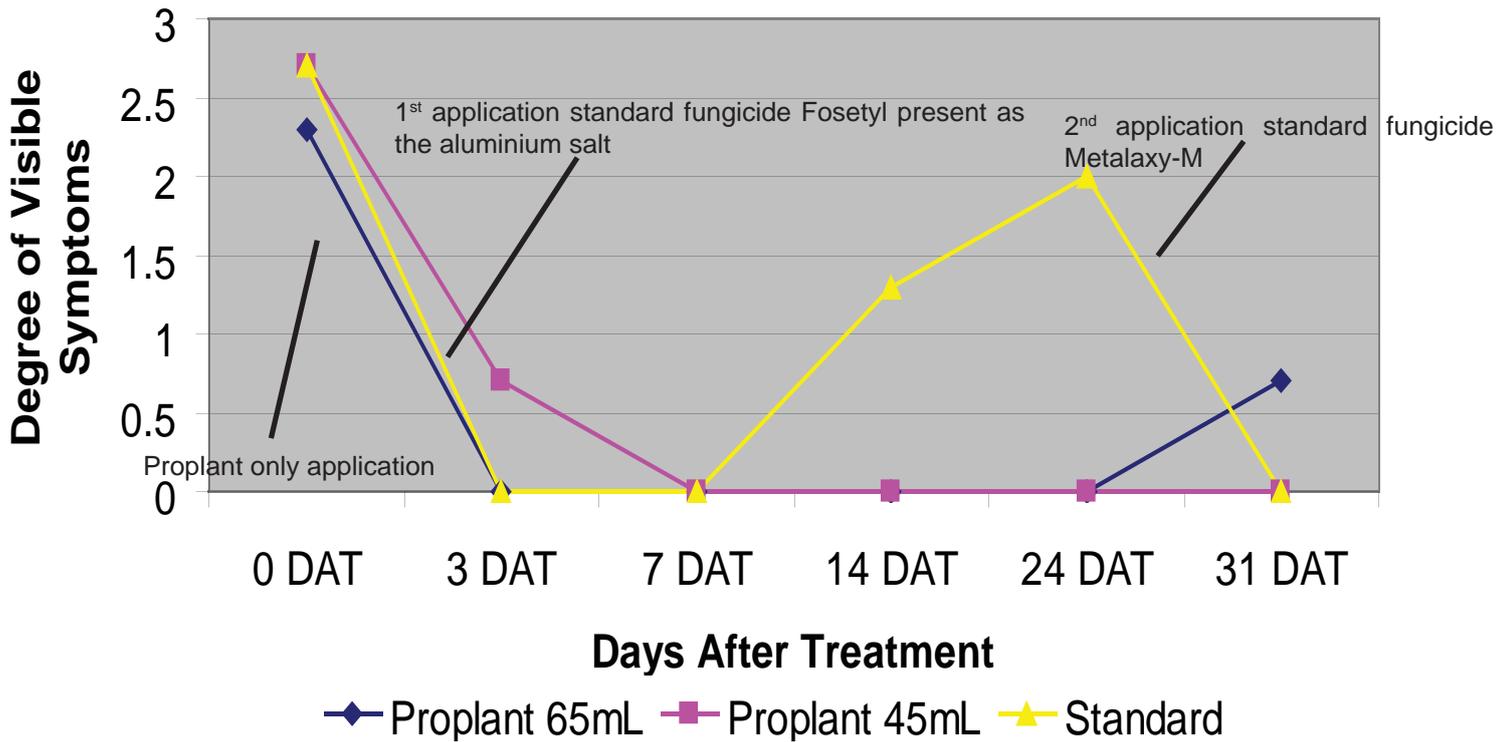
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Proplant Trial Data

Proplant vs Standard Fungicide Control Against *Pythium spp*



This trial was conducted under severe disease pressure with symptoms already present. At the time there were 2 different standard fungicides used. The first application (yellow line) used Fosetyl present as the aluminium salt. This gave 7 days control until symptoms started to appear again. The second (yellow line) standard fungicide (Metalaxy-M) application was applied 24 days after the initial treatment. As you can see both standard fungicides gave control of the disease but 2 applications had to be made to keep control of the disease. With 1 application (Blue line), Proplant disease symptoms ceased within 3 days and controlled *Pythium spp* for 24 days after the initial application.

HENCE Proplant not only gives you better curative and preventative control of *Pythium spp* but also saves you time and money with no additional applications.

Protecting Your New Seeds From Pythium - Why The Need?

The reason you need to protect your new seedlings is that pythium is a fungal disease that can wipe out your seeds very rapidly if not treated.

Proplant protects new seedlings from all pythium species (damping off) attack when it comes to oversowing for the new season or at the end of the season. These seedlings are young and hence more susceptible to the disease during these times.

We recommend at the very least 1 application of Proplant after seeding has taken place. If a subsequent application can be applied the chance of reinfection will be greatly minimised.



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