



Banol®

Product information sheet

// BEST USES

All Pythium diseases

// KEY STRENGTHS

Resistance management for Pythium diseases. Reliable Pythium control is essential for successful turfgrass management. Pythium can cause blight, seedling damping-off, and root rot. Blight can kill turfgrass overnight under ideal environmental conditions. Banol® provides effective control of Pythium diseases without any documented cases of resistance development in the field.

Attributes of Banol

- Controls all Pythium diseases in turf, ornamentals and landscape.
- No documented field resistance development for over 20 years of commercial use.

Solutions for Tough Diseases

- Apply preventively in the spring and summer to control Pythium root rot.
- Use in the summer for Pythium blight control.
- Apply during overseeding to control Pythium damping-off on seedlings.
- Controls Pythium resistant to mefenoxam.
- Use as a rotation partner to delay resistance development for other fungicides including mefenoxam, cyazofamid, fluopicolide and Qols.

// HOW TO USE BANOL

Apply Banol as part of an integrated management program on greens, tees or fairways. Apply when conditions are favourable for disease on a 7-21 day interval. Apply Banol in 8-20 litres of water per 100 m² for both preventive and curative applications. Lightly water-in Banol applications to increase fungicide and root contact for optimal root rot control. North Carolina State University suggests that Banol and Signature XTRA™ Stressgard® should be part of a rotation program to control Pythium root dysfunction caused by Pythium volutum.

// Active Ingredients

propamocarb
hydrochloride (66.5%);
equivalent to 722 g
propamocarb
HCl per litre

// FRAC Code

28 (carbamate)

// Systemicity

localized penetrant

// Formulation

soluble liquid

// Signal Word

caution

Key Diseases Controlled

Key Diseases Controlled	Rates mL/100 m ²	Application Interval (Days)
Pythium blight	Preventive: 64 mL	7-21
Pythium damping-off	Curative: 64 mL	
Pythium root rot	<i>apply in 8 – 20 L of water for both preventive and curative applications</i>	

*See the Banol label for complete details. Refer to the Banol label for application information. Always read and carefully follow label instructions.

Banol Rate Chart

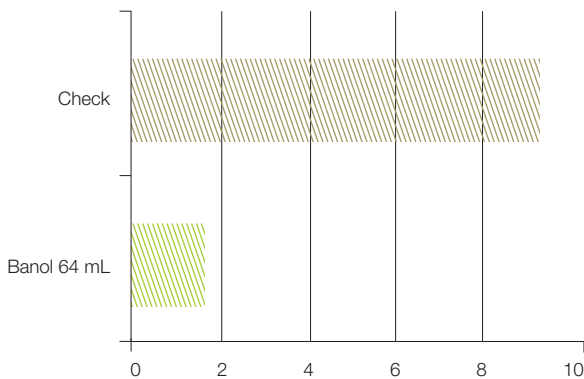
Use Rate (g/100 m ²)	Coverage Per Container (100 m ²)	Coverage Per Container (Acres)	Grams Propamocarb (Per Acre)
64	58	1.4	1748

Container size: 3.78 L

Banol Performance Data

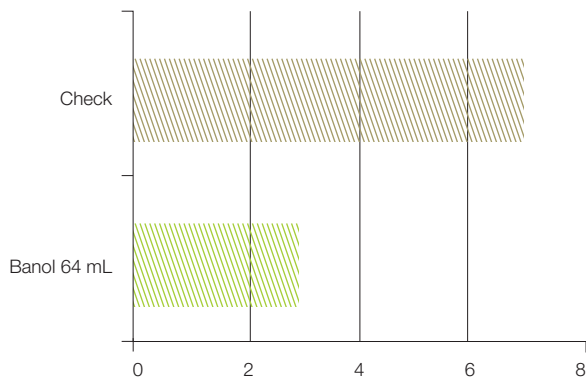
Pennsylvania State University Pythium Control on Perennial Ryegrass, Dr. Wakar Uddin

Pythium Severity



Treatments applied July 10 and 17, and plots infested July 12. Disease severity is shown for disease development on July 21. Plant Disease Management Reports 4:T048.

Pythium Severity



Treatments applied July 21, and plots infested July 22. Disease severity is shown for disease development on August 7. Plant Disease Management Reports 6:T039.



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