

Fongarid[®] 250 WP

Fongarid 250WP is the premium fungicide for controlling soil borne diseases such as Phytophthora and Pythium in ornamental flowers, shrubs, trees and seedlings.

Proven Performance

Fongarid has been proven over many years to deliver efficient, reliable and cost effective disease control.

Optimum Plant health and survival

Plant performance can be improved with either a preventative or curative fungicide program including Fongarid. Plants can be rejuvenated, providing they are treated early with Fongarid, before roots and vascular systems are extensively damaged.

Occurrence

Root Rot and Collar Rot pathogens are favoured by warm and wet conditions. Phytophthora and Pythium, in particular, thrive in waterlogged conditions. Over watering, prolonged rainfall, poorly drained soils, overcrowding and poor ventilation all favour the pathogens. Potting mixes with inadequate air-filled porosity and low percolation rates are also conducive to disease.

Symptoms

Affected plants fail to thrive and may die suddenly. Extensive root damage often precedes the above-ground symptoms (leaf drop, dieback and yellowing of the foliage). These symptoms may be confused with nutrient deficiency. Infected roots are black or dark brown and the outer rotted area often comes away from the thread-like vascular tissue. Young feeder roots are commonly infected first, but the disease may progress to destroy the entire root system and extend into the crown of susceptible hosts.

Plants affected by the root rots caused by Phytophthora and Pythium often show no response to watering. If environmental conditions are favourable to the diseases spreading, plant death can occur in as little as 7 to 10 days.

Infection and spread

These diseases are carried on materials and equipment and are able to survive for extended periods, readily contaminating pots and potting mixes allowed to contact soil. Surface water supplies can be infected by run-off from contaminated areas. Pathogens spread from infected to healthy plants in running or splashing water and by contaminated tools.

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Poinsettia showing symptoms of Phytophthora collar or crown rot. Photo courtesy Austin Hagan.



Seedlings showing symptoms of Pythium infection. Photo courtesy Howard F. Schwartz, Colorado State University, Bugwood.org

Application

Fongarid may be applied in two ways:
Soil Mix or as a Soil Drench. (see directions for use table.)

DIRECTIONS FOR USE (APPLICABLE ALL STATES)

Situation	Disease	Rates	Critical Comments
Seedling boxes, Bedding plants, Seed beds, Shrubs	Damping-off, Root Rots, Collar Rots caused by Pythium spp. and Phytophthora spp.	100 g per cubic metre of soil OR 100 g per 100 L of water at 2 to 4 L per square metre of soil.	Thoroughly mix with dry soil before planting. Apply to soil surface immediately before OR shortly after planting OR as required on established shrubs. Water in thoroughly.
Cutting beds, boxes		100 or 200 g per cubic metre of soil OR 100 g per 100 L of water. Use 4 to 5 L per square metre of soil.	Thoroughly mix with soil shortly before planting. Use the higher rate for Rhododendrons, Ericas or for heavier potting mixtures. Apply to soil surface immediately before OR When disease first noted. Water in thoroughly to ensure chemical is evenly distributed in the root zone.
Soil for potted plants		200 g per 100 L of water. Use 50 to 100 L drench per cubic metre potting mix	Use the higher rate for dry mixtures or on heavier potting mixtures. 1 L of drench is sufficient for 50 pots 80 mm in diameter, 30 pots 100 mm in diameter, 12 pots 150 mm in diameter, or 4 pots 200 mm in diameter.
Field, greenhouse and glasshouse beds		4 or 8 g per square metre in a convenient amount of water.	Apply the 4 g rate to soil surface before planting and incorporate mechanically to 10 to 20 cm or water in thoroughly. Use the 8 g rate for deep (15 to 20 cm) incorporation. Where soil has a high level of organic matter use 8 g per square metre and incorporate to 15 cm.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

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AgNova Technologies Pty Ltd
PO Box 590 Eltham, Victoria, Australia 3095

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