



Nobility

Systemic Fungicide

For the Prevention and Control of Pythium in Turf and Phytophthora Rots in Apples, Avocados, Ornamentals, Peaches and Pineapples

Technical Brief

| | |
|-----------------------------|--|
| Active Ingredients: | 800 g/kg fosetyl-aluminium |
| Chemical Family: | Ethyl phosphonate |
| FRAC Code: | 33 — Phosphonate |
| Formulation: | Water Dispersible Granule (WDG) |
| Mode of Action: | Multi-site mode of action that acts by inhibiting spore germination and penetration into the plant, and by blocking mycelial growth and spore production. Also enhances the plants own defence systems against diseases. |
| Behaviour in Plants: | Rapidly absorbed by the plant leaves or roots and travels with upwards and downwards systemic activity. |

Nobility Systemic Fungicide is an organic phosphate compound used as a systemic fungicide with protective activity that acts by inhibiting spore germination and penetration into the plant, and by blocking mycelial growth and spore production.

Nobility Fungicide attacks pathogens at various growth stages for better overall disease control. Its unique action not only attacks and controls fungi on contact, but also stimulates the plant's own defence mechanisms. Mode of action is multi-site.

It is rapidly absorbed through the plant leaves or roots, with translocation both up and down inside the plant.

Nobility Systemic Fungicide should be used preventively for the control of Pythium diseases in Turf.

Nobility Fungicide delivers true, two-way systemic protection against Phytophthora Rots in Apples, Avocados, Ornamentals, Peaches and Pineapples.

Benefits

- Exceptional Disease Control – Pathogens are attacked at multiple growth stages for better overall disease control.
- Systemic Activity – Unlike other fungicides Nobility is truly systemic, travelling up and down within the plant, creating a complete barrier of protection while preventing wash-off. This protects quality and yields for a better return on investment.
- Unique Protection – Inhibits spore production, thereby preventing transmission of disease to neighbouring plants.
- Rapidly absorbed by the foliage and spreads throughout the plant.
- Unscheduled (exempt from poison scheduling).
- No history of disease resistance (20+ years use in USA).
- Nobility Systemic Fungicide tank mixes are effective for 'summer decline' management in Turf.

How to get the most out of your application

Application

Good disease control requires even, thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.

In **Turf** apply in 500 to 2000 L of water per ha (5 to 20 L of water per 100 m²).

For water application volumes of other crops - consult the Application section of the registered label.

Disease Management

Restraints - DO NOT use as an alternative to steam sterilisation of potting soils used in nurseries.

| Crop | Disease | State | Method of Application | Rate | WHP | Critical Comments |
|--|--|----------------------------|----------------------------|--|--|---|
| Apples, Peaches | Collar Rot (<i>Phytophthora cactorum</i>) | NSW, Vic, Tas, SA, WA only | Foliar Spray | <u>Dilute spraying:</u> 250 g/100 L water <u>Concentrate spraying:</u> Refer to the Application section in GENERAL INSTRUCTIONS | 14 days (Apples) Not required (Peaches) | Apply two foliar sprays per season. Apply the first spray in early spring when trees are in full leaf. Apply the second spray 12 weeks later when the spring growth flush has matured. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying do not apply more than 750 g/100 L (i.e. at a concentration factor greater than 3 X). |
| | | | Soil Drench | 90 g/100 L water | | This treatment should be used for very diseased trees. Such trees have inadequate leaf area for a foliar spray to be effective. Apply approximately 10 L water per tree. |
| Avocados | Phytophthora Root Rot (<i>Phytophthora cinnamomi</i>) | Qld, NSW, Vic, SA, WA only | Foliar Spray | <u>Dilute spraying:</u> 370 g/100 L water or 55 g/15 L knapsack sprayer | 1 day | For protection of trees not showing above ground symptoms of root rot. Apply 10-15 L per mature tree during the spring flush and again at intervals of 6 weeks until autumn. Apply lower volume to younger trees. Add a non-ionic wetting agent according to its label directions. Excessive use of wetting agent may result in some leaf burn. Note: Concentrate spraying is not appropriate for this use. |
| Pineapples | Heart Rot (<i>Phytophthora cinnamomi</i>), Root Rot (<i>Phytophthora nicotianae</i> var. <i>parasitica</i>) | Qld, NSW, WA only | Soil Drench & Foliar Spray | 4.6 kg/ha | 7 days | Apply as a soil drench along the plant row immediately after planting and then as a foliar spray at 6-week intervals from late summer to early winter. <u>First Treatment:</u> Hand drenching is recommended. <u>Subsequent Treatments:</u> Use 2000 L/ha for young plants increasing to 5000 L/ha for large plants. |
| Ornamentals (non-edible) | Crown and Root Rot (<i>Phytophthora spp.</i>) | All states | Soil Drench | 90 g/100 L water (10 g/m ²) | Nil | Apply at intervals of 6 weeks. <u>Container Grown Plants:</u> Drench volume depends on size. For 150 mm container apply 200 mL of solution. |
| Turf Golf and bowling greens and other intensely managed turf | <i>Pythium spp.</i> | | Foliar Spray | 12.5 kg/ha (125 g per 100 m ²) | | Begin preventative applications when conditions first favour disease and continue as long as conditions are favourable for disease at approximately 21 day intervals. DO NOT mow or water treated area until foliage is completely dry. |

Note: The above table represents only a modified extract from the full registered label. Always read the full product label before use.



Packaging

Pack size: 2.5 kg



Nobility Systemic Fungicide