

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



# Nobility Systemic Fungicide

**ACTIVE CONSTITUENT: 800 g/kg FOSETYL present as the aluminium salt**

<b>GROUP</b>	<b>33</b>	<b>FUNGICIDE</b>
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**For the Prevention and Control of Phytophthora Rots in Apples, Avocados, Ornamentals, Peaches and Pineapples as specified in the Directions for Use**

**IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT**

APVMA Approval No.: 68150/102740



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## DIRECTIONS FOR USE

### Restraint

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 <b>Application</b> section in <b>GENERAL INSTRUCTIONS</b>	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. <b>Note:</b> Concentrate spraying is not appropriate for this use.

Crop	Disease	State	Method of Application	Rate	WHP	Critical Comments
<b>Pineapples</b>	Heart Rot ( <i>Phytophthora cinnamomi</i> ) Root Rot ( <i>Phytophthora nicotinae</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.
<b>Ornamentals (non-edible)</b>	Crown and Root Rot ( <i>Phytophthora spp.</i> )	All states	Soil Drench	90 g/100 L water (10 g/m <sup>2</sup> )	Nil	Apply at intervals of 6 weeks.  <u>Container Grown Plants:</u> Drench volume depends on size. For 150 mm container apply 200 mL.

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

#### WITHHOLDING PERIODS (WHP)

Apples: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Avocados: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

Peaches: NOT REQUIRED WHEN USED AS DIRECTED

Pineapples: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

#### EXPORT OF TREATED PRODUCE

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with Nobility Systemic Fungicide. If you are growing produce for export, please check with Crop Culture Pty Ltd for the latest information on MRLs and import tolerances BEFORE using Nobility Systemic Fungicide.

#### GENERAL INSTRUCTIONS

##### Mixing

Fill the spray tank to at least half the desired amount with clean water and commence agitation. Add the required quantity of Nobility Systemic Fungicide directly to the water and complete filling to the final volume. Continue agitation. DO NOT make a slurry or paste prior to adding to the tank.

##### 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.

##### Special Instructions for Tree Crops

###### Dilute Spraying

Use a sprayer designed to apply high spray volumes, up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient spray volume to cover the crop to the point of run-off. Avoid excessive run-off. The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other expert advice.

Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume to achieve point of run-off will change and the sprayer set up and operation may also need to be changed, as the crop grows.

#### Concentrate Spraying (Apples and Peaches (foliar sprays) only)

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies spray volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen spray volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.

The mixing rate for concentrate spraying can then be calculated in the following way:

#### EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is: 3X (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
4. As the dilute label rate is 250 g/100L, then the concentrate rate becomes  $3 \times 250$ , that is 750 g of product per 100 L water for concentrate spraying.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. Do not use a concentrate rate greater than that specified in the Critical Comments. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

#### **Crop Safety**

Ornamentals - Nobility Systemic Fungicide has been used on a wide range of ornamental plant species without damage. However, some species and varieties are particularly sensitive to chemical products. It is advisable to treat only a small number of plants first, in order to determine their reaction to the product, before large-scale use.

Tree Crops - Under some conditions, mixtures of Nobility Systemic Fungicide with foliar fertilisers may cause fruit russeting. Contact Crop Culture for further information on mixing with foliar fertilisers.

#### **Compatibility**

This product may be combined in the spray tank with: Bugmaster® Flowable, chlorpyrifos, diazinon 800, Kelthane® EC, Marlin®, maldison 500 and methamidophos.

If unsure, it is recommended that a jar test be conducted to determine compatibility.

Always add Nobility Systemic Fungicide to the mixture last.

Note: Mixing Nobility Systemic Fungicide with Dithane® DF, Dithane M45, Rovral® Aquaflo or Rovral Liquid may result in some settling out. With any mixture, constantly agitate prior to and during application. It is not recommended to mix this product with more than one of the above pesticides in the tank. Always test mixtures on a small number of plants before large scale use.

DO NOT tank mix with:

- Foliar fertilizers
- Copper products (including fungicides containing copper)
- pH buffering agents (i.e. Primabuff, LI700 Surfactant)

As they are incompatible. There is a risk of plant injury when mixed with copper products.

As formulations of other manufacturer's products are beyond the control of Crop Culture Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

**FUNGICIDE RESISTANCE WARNING**

<b>GROUP</b>	<b>33</b>	<b>FUNGICIDE</b>
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Nobility Systemic Fungicide is a member of the multi-site activity group of fungicides. For fungicide resistance management the product is a Group 33 fungicide. Some naturally occurring individual fungi resistant to Nobility Systemic Fungicide and other Group 33 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Nobility Systemic Fungicide or other Group 33 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Crop Culture Pty Ltd accepts no liability for any losses that may result from the failure of Nobility Systemic Fungicide to control resistant fungi.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste facility is not available bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

**SAFETY DIRECTIONS**

May irritate the eyes. Avoid contact with eyes and skin. Avoid inhaling dust or spray mist. Wash hands after use.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

**SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: [www.cropculture.com.au](http://www.cropculture.com.au)

**CONDITIONS OF SALE**

The use of Nobility Systemic Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Crop Culture Pty Ltd, regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Crop Culture Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade