

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING AND USING

AUS-PHOZ

600

SYSTEMIC FUNGICIDE

ACTIVE CONSTITUENT: 600 g/L PHOSPHOROUS (PHOSPHONIC) ACID
PRESENT AS MONO (AND) DI POTASSIUM PHOSPHITE

GROUP

Y

FUNGICIDE

A SYSTEMIC FUNGICIDE for the control of root rot in avocado, root and collar rot in citrus, root and crown rot in ornamentals & root and heart rot in pineapples caused by phytophthora fungi and for the control of downy mildew in grapes, poppies and cucurbits as per the directions for use.

Batch #:

Date of
Manufacture:

APVMA Approval No: 58781 / 5L / 0905

**AUSTRALIAN
AGRICULTURAL
CHEMICALS**

Unit 1, 3972 Pacific Highway
Loganholme, QLD. 4129

Phone: +61 7 3806 5733
Fax: +61 7 3806 5899

www.aussie-ag.com.au

Contents:

5 L

DIRECTIONS FOR USE: Restraints: **DO NOT** apply this product at volumes that cause excessive run off.

CROP	DISEASE	STATE	METHOD	RATE	CRITICAL COMMENTS
AVOCADO	Phytophthora Root Rot (Phytophthora cinnamomi) (curative treatment)	QLD, NSW, VIC, SA, WA & ACT only	Trunk Injection	Skeletal trees: 1st year 5ml undiluted product metre of canopy diameter. Other Situations: 2.5 mL product diluted with 7.5ml water per metre of canopy.	Inject trees at spring flush maturity. Repeat treatment in February or March. Drill holes 5 mm in diameter and 25-50 mm deep with slight downward angle in the trunk. Syringes should be placed in the main trunk of the tree and spaced evenly around the circumference of the trunk. Suitable for use with an Ag-Murf gun by hydraulic tree injection. DO NOT prune back trees before the injection process as burning of new growth may occur. DO NOT inject trees in winter months. DO NOT cut back the canopy of injected trees. DO NOT add any other material other than water to AUS-PHOZ 600 for trunk injection. DO NOT inject more liquid in fewer syringes than directed.
			Foliar Spray	3.3 - 4.0 L / Ha	Solution concentrate: 165 - 200 ml / 100 L Amount per unit: Spray to run off - 7.5 to 10 L per adult tree. 1. Curative: apply every 3 weeks until disease is under control. 2. Preventative: apply every 5 - 6 weeks.
CITRUS: Young or small citrus.	Phytophthora Root Rot (P. nicotianae var parasitica) & Collar Rot (p. citrophthora)	All States	Foliar Spray	170 - 330 ml / 100 L to leaf wetness (by boom or similar high volume sprayer)	Two applications: 1. Late winter prior to flowering. 2. Autumn applied to mature fruit. Repeat applications annually to maintain protection of the plant. Depending on condition at time of application use a non-ionic wetting agent in conjunction with AUS-PHOZ 600.
CITRUS: Mature				13.3 L / Ha in 3000 to 4000 L of water. 53 ml / 12 L per tree 8.3 L / Ha in 2000-5000 L of water. 33 ml / 12 L per tree	WHERE DISEASE INCIDENCE IS HIGH OR WELL ESTABLISHED For effective control apply as a protectant before above ground symptoms of decline and collar rot become evident, spray trees for even coverage. Do not apply under high temperatures (above 35°C) particularly if humidity is low or to moisture stressed trees. LOW PHYTOPHTHORA PRESSURE, WELL DRAINED SOIL Removal of fruit from affected plants will enhance recovery. WARNING: young container grown mandarin trees may develop leaf burn and growth retardation following foliar application or soil drench of Potassium Phosphate at rates recommended for established trees.
GRAPES	DOWNY MILDEW (plasmopara viticola)	All States	Foliar Spray	2 L / Ha early season / small canopies 2.7 - 4 L / Ha Mid-late season / large canopies	It is essential that the rate of AUS-PHOZ 600 is adjusted to the vine-row volume (ie the volume of vine foliage per hectare). An application of 500 L / Ha is suggested at the start of the season, increasing to 2000 L / Ha in a vigorous crop at full canopy. Spray timing is critical. For best results, apply AUS-PHOZ 600 as a tank mix with protectant fungicides such as Mancozeb / Dithane, Copper Oxychloride, etc, to ensure both pre- and post-infection activity. AUS-PHOZ 600 should be applied at times of high disease risk, especially between the time that conditions are conducive to Downy Mildew infection and the appearance of oil spots. Ensure spray coverage is adequate and that the appropriate rate of AUS-PHOZ 600 is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on rootstock.
CUCURBITS	DOWNY MILDEW (Pseudoperonospora Cubensis)	All States	Foliar Spray	3 L / Ha in min 800 - 1000 L of water	Use weekly spray intervals when conditions favour disease development. To avoid phytotoxicity with some plant species it is recommended that the product be tested on a few plants of each species prior to main application.
ORNAMENTALS	Phytophthora Root and Crown Rot	QLD, NSW, VIC, TAS & WA, ACT, NT only	Foliar Spray	Knapsack / Boom 170 ml / 100 L Air Blast 330 ml / 100 L	DO NOT apply to ornamental plants under extremes of temperature. DO NOT apply when ornamental plants are dormant or stressed. Apply at 4-6 weekly intervals when conditions favour disease development. To avoid phototoxicity with some plant species it is recommended that the product be tested on a few plants of each species prior to main application.
PINEAPPLES	Phytophthora Root & Heart Rot (P. cinnamoni)	QLD only	Foliar Spray	4 L / Ha in 800 to 2000 L / Ha boom spray	Apply to tops, 2 weeks before harvest of planting material.
POPPIES	DOWNY MILDEW (Peronospora Cristata)	TAS only	Foliar Spray	2 L / Ha	Commence application from 10 - 12 leaf stage up to row cover. Use in combination with mancozeb products at registered rate. Repeat 7 - 10 days later. Apply no more than 2 sprays per crop per season. Note: Crop toxicity problems may occur when application is made with low water volumes. Users should determine an appropriate water volume on a small area prior to large scale field use. Consult your field officer for assistance.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.
WITHHOLDING PERIOD: Avocados, Citrus, Cucurbits, Grapes & Pineapples: Not required when used as directed. Poppies: Do not harvest for 6 weeks after application

AUS-PHOZ 600

SYSTEMIC FUNGICIDE

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

GROUP Y FUNGICIDE

AUS-PHOZ 600 is a member of the multi-site activity group of fungicides. For fungicide resistance management, AUS-PHOZ 600 is a Group Y fungicide. Some naturally occurring individual fungi resistant to AUS-PHOZ and other Group Y 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 AUS-PHOZ 600 and other Group Y 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, Australian Agricultural Chemicals accepts no liability for any losses that may result from the failure of AUS-PHOZ 600 to control resistant fungi.

Conditions Conducive to Downy Mildew Infection

- 1) Primary Infection - Overnight conditions of
Temperature 10°C
Rainfall 10 mm
Soil Wetness 24 hours
Leaf Wetness 3 - 4 hours at end of 24-hour period

- 2) Secondary Infection - Overnight conditions of

- Temperature 11°C (minimum)
- Humidity 98% for at least 4 hours from midnight to dawn
- Leaf Wetness 24 hours

TO AVOID RESISTANT STRAINS OF DOWNY MILDEW DEVELOPING, AUS-PHOZ 600 SHOULD BE APPLIED AS CLOSE AS POSSIBLE TO THE DAY OF INFECTION AND ALTERNATED WITH SYSTEMIC FUNGICIDES.

MIXING

Foliar Application: For foliar spraying, AUS-PHOZ 600 is diluted with water. AUS-PHOZ 600 is already formulated as a solution in a water base and mixes easily with water. When mixing, use only a clean uncontaminated tank. If the tank has been used for herbicide application, ensure it has been thoroughly decontaminated. Recycle material through the spray pump to ensure good mixing.

COMPATIBILITY

Compatible with Mancozeb, Copper-Oxychloride, Bayleton, Tilt and most common powdery mildew fungicides. Compatible with Ethephon (Pineapples only). Most foliage nutrients are also compatible. When using in conjunctions with 'EC's' always form emulsion with water prior to adding AUS-PHOZ 600.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

When applying as a foliar spray, ensure the mixture is directed only onto the target plant.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT spray AUS-PHOZ 600 over waterways or onto native plant growth. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. This product is harmful to fish.

STORAGE AND DISPOSURE

Store in the closed, original container in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple, or preferably pressure, rinse container 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 bury containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin, Wash hands after use.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 1311265.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet.

CONDITIONS OF SALE

NOTICE TO BUYER: SELLER warrants that this material conforms to its chemical description and is reasonably fit for the purpose of the label when used in accordance with directions under normal conditions of use. BUYER assumes the risk of any use contrary to such directions. SELLER makes no other express or implied warranty of FITNESS or MERCHANTABILITY and no agent or SELLER is authorised to do so except in writing with a specific reference to this warranty. In no event shall SELLER's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.