

DIRECTIONS FOR USE:
RESTRAINTS: DO NOT apply PHOSIC 600 at volumes which cause excessive run off.

Crop	Disease	State	Treatment Method	Rates	Comments
Almonds	Suppression of <i>Phytophthora</i> spp	All States	Foliar spray	330 mL/100L	Ensure thorough coverage of foliage and branches. Spray to the point of run off using air last sprayer or equivalent equipment. DO NOT apply more than two (2) application per season. DO NOT apply after hull split. DO NOT apply under high temperatures, particularly if humidity is low.
			Irrigation	5.2 L/ha	Ensure even mixing with irrigation water. DO NOT apply more than two (2) application per season. DO NOT apply after hull split. DO NOT apply under high temperatures, particularly if humidity is low.
Avocado	Phytophthora Root Rot	ACT, QLD, NSW, SA, VIC, WA	Inject	Trunk injection, skeletal trees: 1 st year 5 mL undiluted product per metre of canopy diameter. Other situations: 2.5 mL product diluted with 7.5 mL water per metre canopy diameter.	Inject trees at spring flush maturity – repeat treatment in February or March. Drill holes 5mm in diameter and 25mm to 50mm 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 Chemjet tree injectors, Ag-murf gun or hydraulic tree injections. Do not prune trees back before injections process as burning of the new growth may occur. Do not inject trees in winter months. Do not cut back the canopy of injected trees. Do not add anything other than water to PHOSIC 600 for trunk injection. Do not inject more liquid in a lesser number of syringes than directed.
			Foliar	3.3-4.0 L/ha	Solution concentrate: 165-200 mL/100 L. Amount per unit: Spray to run-off – 7.5-10 L per adult tree. 1. Curative: apply every 3 weeks until disease is under control. 2. Preventative: apply every 5-6 weeks.
Chestnut	Suppression of Phytophthora Trunk & Root Canker (<i>phytophthora cinnamomi</i>)	NSW, VIC, SA, WA & TAS	Stem injection only	Dilute 1 to 3with water; then inject 20 mL per meter of canopy.	DO NOT apply to trees under severe water stress or during very hot weather. Apply trunk injection up to three (3) times per year, two (2) during the production (growing) season and one (1) post harvest.
Young or small Citrus	Phytophthora, Root Rot & Collar Rot	All States	Foliar	170-300 mL/100 L To leaf wetness (by boom or similar high volume sprayer)	Two applications: 1. Later winter prior to flowering. 2. Autumn applied to mature fruit. Repeat application annually to maintain protection for the plant. Depending on condition at the time of application use a non-ionic wetting agent in conjunction with PHOSIC 600.
Mature Citrus		All States	Foliar	13.3 L/ha in 3000-4000 L water. 53 mL/12 L/tree 8.3 L/ha in 2000-5000 L water 33 ml/12 L/tree	Where Disease Incidence is High or Well Established: For effective control apply as 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 phosphonate at rates recommended for established trees.
Cucurbits	Downy Mildew	All States	Foliar	3 L/ha in minimum 800-1000 L 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 the main application.
Grapes	Downy Mildew	All States	Foliar	2 L/ha early season (small canopies) 2.7-4 L/ha Mid-late season (large canopies)	It is essential that the rate of PHOSIC 600 is adjusted for a vine-row volume (ie. the volume of vine foliage per hectare). An application volume 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 PHOSIC 600 as a tank mix with protectant fungicides such as Mancozeb/Dithane, Copper Oxychloride etc. to ensure both pre and post-infection activity. PHOSIC 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 PHOSIC 600 is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on root stock. DO NOT apply after E-L 33.
Macadamias	Phytophthora Root Rot (<i>phytophthora spp.</i>) Trunk (Stem) Canker (<i>phytophthora cinnamomi</i>)	NSW, QLD & WA only	Foliar spray	170-200 mL/100L	Apply to affected macadamia trees at mature leaf flush during Spring & Autumn. Apply to each leaf flush if disease persists during the production season. DO NOT apply to young leaf flush, as phosphorous acid may burn the foliage. Apply spray to the point of run-off, ensuring all leaves and branches are covered. Apply a maximum of two (2) application per crop. Apply using spray volume of 2000-3000 L /ha for mature trees (depending on tree size) OR 7.5-10 L solution per tree. Apply using air blast sprayer or equivalent equipment. DO NOT apply to trees under severe water stress during hot weather.
			Trunk application	334 mL/1 L	Apply to affected macadamia trees at root flush and 28 days after root flush. Apply a maximum of two (2) applications per crop. Apply by dilute spray to the point of run-off around the trunk to approximately 1 m above the soil level, ensuring thorough coverage/wetness around the entire trunk. Apply using a knapsack sprayer or equivalent equipment. A bark penetrant such as Pulse or similar is to be applied at the rate of 2%.
Ornamentals	Phytophthora, Root & Crown Rot	ACT, QLD, NSW, NT, TAS, VIC, WA	Foliar	170 mL/100 L boom or knapsack 330 mL/100 L air blast	Apply at 4-6 weekly 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 the main application. DO NOT apply when ornamental plants are dormant or stressed. DO NOT apply to ornamental plants under extremes of temperature.
Pineapple	Phytophthora, Root & Heart Rot	QLD, WA	Foliar	4 L/ha 1:200-1:500 water	Apply to tops, 2 weeks prior to harvest of planting material.
Poppies	Downy Mildew	TAS	Foliar	2 L/ha	Commence application from 10-12 leaf stage 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 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.
Subterranean Clover	Phytophthora Root Rot	ACT, NSW, SA, TAS, VIC, WA	Foliar	500 mL/ha approx. 200 L water/ha	Apply 8-9 days after first irrigation but before second irrigation. Apply in autumn when subterranean clover is at the cotyledon to unifoliate leaf growth stage.
Walnuts	Phytophthora Root Rot (Preventative treatment ONLY)	NSW, VIC, SA, WA & TAS	Foliar spray	333 mL/100 L	DO NOT apply more than two (2) applications per season.
			Trunk injection	5 mL diluted with 7.5 mL water per metre of canopy.	The sensitivity of some species and varieties has not been fully evaluated. It is advisable to treat a small number of trees to ascertain their reaction before treating the whole crop.
			Microjet to root zone	5 L/ha or 9.5 mL per tree.	

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

WITHHOLDING PERIODS:

Almonds, Chestnuts, Walnuts: DO NOT FOR 28 DAYS AFTER APPLICATION.
Macadamias: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
Avocado, Citrus, Cucurbits, Grapes, Pineapples: NOT REQUIRED WHEN USED AS DIRECTED.
Subterranean Clover: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.