

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



SPRAYPHOS 400

SYSTEMIC FUNGICIDE

Active Constituent: 400g/L Phosphorous (Phosphonic Acid)
 present as Mono and Di Potassium Phosphonate.

GROUP Y FUNGICIDE

FOR EFFECTIVE CONTROL OF DOWNY MILDEW AND PHYTOPHORA PLEASE STRICTLY FOLLOW DIRECTIONS FOR USE.

DATE:

BATCH No.

APVMA APPROVAL No. 52984/0702

NET CONTENTS 5L 20L 200L 1000L

SPRAYGRO LIQUID FERTILIZERS

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APPLICATION RATES

DISEASE	CROP	STATE	TREATMENT METHOD	RATES	COMMENTS
PHYTOPHORA ROOT & COLLAR	YOUNG OR SMALL CITRUS	QLD, N.S.W, S.A, VIC, WA, TAS, ONLY.	FOLIAR SPRAY	2.5 to 5 ml/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 with the plant. Removal of fruit from affected plant will assist recovery, depending on conditions at time of application. Use a non ionic wetter in conjunction with Sprayphos 400.
PHYTOPHORA ROOT & COLLAR ROT	MATURE CITRUS	QLD, N.S.W, S.A, WA, TAS.	FOLIAR SPRAY	20L/ha in 3000-4000 L of water 80ml/12L Tree OR 12.5L/ha in 2000-5000 L of water 50ml/12L tree	WHERE DISEASE INCIDENCE IS HIGHER 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 temperature (above 35°C) particularly if humidity is low or to moisture stressed trees. LOW PHYTOPHORA PRESSURE WELL DRAINED SOIL Removal of fruit from affected plants will assist 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.
PHYTOPHORA ROOT & CROWN ROT	ORNAMENTALS	QLD, N.S.W, VIC, WA, TAS, ONLY.	FOLIAR SPRAY	2.5ml/L boom or knapsack 5ml/L air blast	4 to 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 main application. DO NOT apply when ornamental plants are dormant, stressed or under extremes of temperature.
PHYTOPHORA ROOT ROT	AVOCADO	QLD, N.S.W, S.A, VIC, WA, ONLY.	INJECTION	Trunk injection skeletal trees 1st year 7.5mL undiluted product per metre of canopy diameter. "Other situations 3.75ml product diluted with 7.5L water per metre"	Inject trees at spring flush maturity - repeat treatment in February or March. Drill holes 5mm in diameter and 25-30mm deep with slight downhill angle in the trunk. Syringes should be placed in the main trunk of the tree and spaced evenly round the circumference of the trunk. Suitable for use with the injectors, agmuri gun or hydraulic tree injection. Do not prune back trees before 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 Sprayphos 400 for tree injection. Do not inject more liquid in a lesser number of syringes than directed.
			FOLIAR SPRAY	5-6L/ha	Solution concentration: 2ml to 3ml/L. Amount per unit Spray to run off - 7-10L per adult tree. Amount per ha 5 to 6L 1. For curative apply every 3 weeks until disease is under control. 2. For prevention apply every 5 to 6 weeks.
PHYTOPHORA ROOT ROT & HEART ROT	PINEAPPLE	QLD, ONLY.	FOLIAR SPRAY	6L/ha 1:200-1:500 water	Apply to tops 2 weeks prior to harvest of planting material.
DOWNY MILDEW	GRAPES	QLD, N.S.W, S.A, VIC, WA, TAS, ONLY.	FOLIAR SPRAY	3L/ha early seasons/small canopies 4-6L/ha mid-late seasons/large canopies.	It is essential that the rate of Sprayphos 400 is adjusted to the vine row volume (ie the volume of vine foliage per hectare) Spray timing is critical. For best results apply Sprayphos 400 as a tank mix with protectant fungicides such as mancozeedithane copper oxychloride etc to ensure both pre and post infection activity. Sprayphos 400 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 Sprayphos 400 is applied to match vine growth. Particularly from mid season onwards, Sprayphos 400 should be applied as close as possible to time of infection and alternate with other systemic fungicides.
DOWNY MILDEW	CUCURBITS	QLD, N.S.W, S.A, VIC, WA, TAS, N.T.	FOLIAR SPRAY	4.5L/ha in minimum 800-1000L 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 the main application.
PHYTOPHORA ROOT ROT	SUBTERRANEAN CLOVER	N.S.W, S.A, VIC, WA, TAS, ONLY.	FOLIAR SPRAY	750ml/ha approx. 200L 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.

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

DIRECTIONS FOR USE
SPRAYPHOS 400 is systemically absorbed by the plant and a two fold mode of action:
 (1) Spray Phos 400 activates the plants own immune defenses response and,
 (2) Inhibits fungus growth by changing the nature of the fungal cell walls. Phosphonates are highly systemic and mobile, thus translocation to new growth gives protection against airborne diseases.

METHOD OF APPLICATION

• Foliar Spray • Tree Injection

SPRAYPHOS 400 is compatible with:
 • Dithane • Copper Oxy Chloride • Tilt • Sulphur

SPRAYPHOS 400 is an aqueous fungicide for the control of:
 • Downy Mildew • Phytophthora species

CONDITIONS CONDUCIVE TO DOWNY MILDEW OUTBREAK

(1) Primary infection overnight conditions of
 Temperature 10°C
 Rainfall 10mm
 Soil Wetness 24hrs
 Leaf Wetness 3-4hrs at the end of 24hrs period.

(2) Secondary infection overnight conditions of
 Temperature 11°C
 Humidity 98 percent for at least 4hrs from midnight to dawn.
 Leaf wetness 24hrs.

PROTECTION OF WILDLIFE FISH AND THE ENVIRONMENT: Do not contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL: Store in the closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse 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 bury the containers below 500mm 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 burned. **DRUM MUSTER ELIGABLE CONTAINER, NOT APPLICABLE IN 1000 LITRE CONTAINER.**

SAFETY DIRECTIONS: May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, goggles and disposable face mask. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID: If poisoning occurs contact a doctor or the Poisons Information Centre on 13 11 26.

****When applying Sprayphos 400 as a foliar spray, ensure adequate covering of the target plant.**

PRODUCED AND

MANUFACTURED IN AUSTRALIA

CONDITIONS OF SALE: 1) Seller warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one, other than the officer of the Seller, is authorised to make any warranty, guarantee or direction concerning this product. 2) Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from handling, storage and use of this product is limited to replacement of product or refund of purchase price.

MATERIAL SAFETY DATA SHEETS CAN BE OBTAINED ON REQUEST FROM YOUR SUPPLIER.

For fungicide resistance management, Sprayphos 400 is a Group Y fungicide. Some naturally occurring individual fungi resistant to Sprayphos 400 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 Sprayphos 400 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 Foliar Fertilizers Pty Ltd trading as SprayGro Liquid Fertilizers excepts no liability for any losses that may result from the failure of Sprayphos 400 to control resistant fungi.

GROUP Y FUNGICIDE

FUNGICIDE RESISTANCE WARNING