

DISCLAIMER/CONDITIONS OF SALE: 1) Foliar Fertilizers Pty Ltd trading as Spraygro Liquid Fertilizers and its servants and agents ("Spraygro") shall be under no liability to the purchaser and/or user of Spraygro products ("customer") in respect to any loss or damage including consequential loss or damage which may be suffered or arise directly or indirectly in respect of such products, or the use thereof, in accordance with the Spraygro Product Profile or not. 2) The customer warrants that there has been no reliance by the customer upon any representation made by Spraygro or upon any descriptions, illustrations or specifications contained in Spraygro's Product Profile or any other document produced by Spraygro. 3) The customer understands that any representation of the type set out above is on the basis that the customer independently verify the accuracy thereof. 4) The customer shall at all times indemnify and hold harmless Spraygro from and against all losses (including reasonable legal costs and expenses) or liability incurred or suffered by Spraygro arising from any proceedings or threatened proceedings against Spraygro by or involving the customer. 5) Spraygro 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 an authorised officer of Spraygro is authorised to make any warranty, guarantee or direction concerning this product. 6) Before using please obtain a current Product Profile which is available from Spraygro or our distributor.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

SAFETY DIRECTIONS: May irritate 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. Wash hands after use.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Cap removed and placed in a sheltered place with a drumMUSTER collection or similar container. Chemical on site. Wash outside of the container and the cap. Store cleaned container in a drumMUSTER logo visible. Dispose of residue by adding it to the spray tank. Do not dispose of undiluted management program site. The cap should not be replaced, but may be taken separately.

STORAGE AND DISPOSAL: Store in the closed, original container in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Spillage should not be directed to drains but absorbed in sawdust and the absorbent material disposed of in a sealed container at an approved disposal site. Triple-rinse containers before emptying. 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 to an approved waste management facility. If an approved waste management facility is not available, bury the 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. For refillable containers: Empty contents fully into application equipment. Close all valves and return to collection point for refill or storage.

RESTRAINTS: DO NOT apply Sprayphos 400 at volumes which cause excessive run off. SPRAY DIFT RESTRAINTS: DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application. DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

COMPATIBILITY: Compatible with Mancozeb, Copper Oxchloride, Till, and most common powdery mildew fungicides. Most foliage nutrients are also compatible. When using in conjunction with EC's always form emulsion with water prior to adding Sprayphos 400 Systemic Fungicide. **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:** DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

CONDITIONS CONDUCIVE TO DOWNY MILDEW INFECTION
(1) PRIMARY INFECTION - Overmight conditions of: Temperature 10°C, Rainfall 10 mm, Soil Wetness 24 hrs
(2) SECONDARY INFECTION - Overnight conditions of: Temperature 11°C, Humidity 98% for at least 4 hours from midnigh to dawn, Leaf Wetness 24 hrs
Leaf Wetness 3 - 4 hrs at end of a 24 hr period.
METHOD OF APPLICATION • Foliar Spray • Tree Injection
When applying Sprayphos 400 as a foliar spray, ensure adequate coverage of the target plant.

SPRAYPHOS 400 is systemically absorbed by the plant and a two fold mode of action:
(1) Sprayphos 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.

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 33 FUNGICIDE

EFFECTIVE AGAINST
PHYTOPHTHORA DISEASES AND DOWNY MILDEW
IN VARIOUS SITUATIONS AS PER DIRECTIONS FOR USE TABLE

GROUP 33 FUNGICIDE	
FUNGICIDE RESISTANCE WARNING For fungicide resistance management, Sprayphos 400 is a Group 33 fungicide. Some naturally occurring individual fungi resistant to Sprayphos 400 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 Sprayphos 400 Systemic Fungicide, and 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, Spraygro Liquid Fertilizers accepts no liability for any losses that may result from the failure of Sprayphos 400 Systemic Fungicide to control resistant fungi.	




NOT APPLICABLE TO 1000 LITER CONTAINERS

SPRAYgro LIQUID FERTILIZERS 76-80 GRAND TRUNKWAY, GILLMAN, SOUTH AUSTRALIA 5013 • PO BOX 494 PORT ADELAIDE, SA 5015 • A.B.N. 47 007 974 496 **PHONE:** (08) 8447 7266 customerservice@spraygro.com.au www.spraygro.com.au

DIRECTIONS FOR USE TABLE

CROP	DISEASE	STATE	TREATMENT METHOD	RATES	COMMENTS
YOUNG OR SMALL CITRUS	PHYTOPHTHORA, ROOT ROT & COLLAR ROT	QLD, NSW, SA, VIC, WA, TAS, ONLY.	FOLIAR	2.5 - 5ml/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 for 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.
MATURE CITRUS	PHYTOPHTHORA, ROOT ROT & COLLAR ROT	QLD, NSW, SA, WA, TAS.	FOLIAR	20L/ha in 3000-4000L of water 80ml/12L/tree or 12.5L/ha in 2000-5000L 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 PHYTOPHTHORA PRESSURE, WELL DRAINED SOIL Removal of fruit from affected plants will assist recovery. WARNING: Younger 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.
ORNAMENTALS	PHYTOPHTHORA ROOT & CROWN ROT	QLD, NSW, VIC, WA, TAS ONLY	FOLIAR	2.5ml/L boom or knapsack 5ml/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, stressed or under extremes of temperature.
AVOCADO	PHYTOPHTHORA ROOT ROT	QLD, NSW, SA, VIC, WA ONLY	INJECT	Trunk injection, skeletal trees. 1st year 7.5ml undiluted product per metre of canopy diameter. Other situations 3.75ml product diluted with 7.5ml water per metre of canopy diameter.	Inject trees at spring flush maturity - repeat treatment in February or March. Drill holes 5mm in diameter and 25-50mm 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 the injectors, Ag-murf 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 anything other than water to Sprayphos 400 for tree injection. Do not inject more liquid in a lesser number of syringes than directed.
			FOLIAR	5-6 L/ha	Solution concentrate: 2mL/ha – 3mL/ha per unit. Spray to run off – 7L-10L/ adult tree. 1. Curative: apply every 3 weeks until disease is under control. 2. Preventative: apply every 5 to 6 weeks.
PINEAPPLE	PHYTOPHTHORA, ROOT & HEART ROT	QLD ONLY	FOLIAR	6L/ha 1:200-1:500 water	Apply to tops 2 weeks prior to harvest of planting material.
GRAPES	DOWNY MILDEW	QLD, NSW, SA, VIC, TAS ONLY	FOLIAR	3L/ha in early season, small canopies 4-6L/ha mid to late season, large canopies	It is essential that the rate of Sprayphos 400 is adjusted to the vine row volume (i.e. 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 Mancozeb/Dithane, Copper Oxchloride 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 onward. Spraypho 400 should be applied as close as possible to time of infection and alternate with other systemic fungicides. DO NOT apply after E-L 33.
CUCURBITS	DOWNY MILDEW	QLD, NSW, SA, VIC, WA, TAS, NT	FOLIAR	4.5L/ha in min 800-1000L 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.
SUBTERRANEAN CLOVER	PHYTOPHTHORA, ROOT ROT	NSW, SA, VIC, TAS, WA ONLY	FOLIAR	750ml/ha approx. 200L water/ha	Apply 8 to 9 days after first irrigation but before second irrigation. Apply in Autumn when Subterranean Clover is at the cotyledon to unifoliate leaf growth stage.

WITHHOLDING PERIODS: Subterranean Clover: Do not graze or cut for stockfeed for 14 days after application. Citrus, Cucurbits, Avocado, Grapes, Pineapples: Not required when used as directed.

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



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