

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

SPRAYPHOS 620

SYSTEMIC FUNGICIDE
 ACTIVE CONSTITUENT: -
620g/L PHOSPHOROUS (PHOSPHONIC) ACID
PRESENT AS MONO AND DI POTASSIUM PHOSPHONATE

GROUP Y FUNGICIDE

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



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DIRECTIONS FOR USE: RESTRAINTS: Do not apply Sprayphos 620 at volumes which cause excessive run-off

CROP	DISEASE	STATE	TREATMENT METHOD	RATES	COMMENTS
AVOCADO	PHYTOPHTHORA & ROOT ROT	QLD, NSW, SA, VIC, WA, ACT.	INJECT	Trunk injection, skeletal trees, 1st year 4.6ml undiluted product per metre of canopy diameter. Other situations 2.4ml 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 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 ChemTee tree injectors. Ag-mul 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 620 for tree injection. Do not inject more liquid in a lesser number of syringes than directed. Solution concentrate: 1.6ml/1.9ml/L. Amount per unit: Spray to run off - 7.10L per adult tree. 1. Canarite: apply every 3 weeks until disease is under control; 2. Preventative: apply every 5 to 6 weeks. Two annually: 1) Late winter prior to flowering 2) Autumn applied to mature fruit. Repeat applications depending on conditions and time of application for the plant.
YOUNG OR SMALL CITRUS	PHYTOPHTHORA, ROOT & CROWN ROT	ALL STATES.	FOLIAR	165-320 ml/100L to leaf wetness (by boom or similar high volume sprayer)	Apply at 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.
MATURE CITRUS	PHYTOPHTHORA, ROOT ROT & COLLAR ROT	ALL STATES.	FOLIAR	13L/ha in 3000-4000L of water or 50ml/12L tree or 7.8L/ha in 2000-5000L of water 32ml/12L tree	WHERE DISEASE INCIDENCE IS HIGHER OR WELL ESTABLISHED For reflective 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: 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	2.9L/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.
GRAPES	DOWNY MILDEW	ALL STATES.	FOLIAR	1.9L/ha early season, small canopies 2.6-3.9L/ha mid to late season, large canopies.	It is essential that the rate of Sprayphos 620 is adjusted to the vine row volume (ie the volume of vine foliage per hectare). An application volume of 500L/ha is suggested at the start of the season, increasing to 2000L/ha in a vigorous crop at full canopy. Spray timing is critical. For best results apply Sprayphos 620 as a tank mix with protectant fungicides such as mancozeb/Dithane, copper oxychloride etc to ensure both pre and post infection activity. Sprayphos 620 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 620 is applied to match vine growth, particularly from mid season onwards, and especially where grapes are grown on root stock.
ORNAMENTALS	PHYTOPHTHORA ROOT & CROWN ROT	QLD, NSW, VIC, WA, TAS, NT, ACT.	FOLIAR	1.6ml boom or knapsack 3ml/L arboret	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.
PINEAPPLE	PHYTOPHTHORA, ROOT & HEART ROT	QLD, WA.	FOLIAR	3.9L/ha 1:200-1:500 water	Apply to tops 2 weeks prior to harvest of planting material.
POPPLES	DOWNY MILDEW	TAS	FOLIAR	1.9L/ha	Commence application from 10-12 leaf stage up to row cover. Use in combination with mancozeb products at registered rates. 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.
SUBTERRANEAN CLOVER	PHYTOPHTHORA, ROOT ROT	NSW, SA, VIC, TAS, WA, ACT.	FOLIAR	485ml/ha approx. 200L water/ha	Apply 6-9 days after first irrigation but before second irrigation. Apply in autumn when subterranean cover 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.
WITHHOLDING PERIOD: SUBTERRANEAN CLOVER: Do not graze or cut for stock foods for 14 days after application. AVOCADO, CUCURBITS, CITRUS, GRAPES & PINEAPPLES: Not required when used as directed.
 POPPLES: Do not harvest for 6 weeks after application.

GENERAL INSTRUCTIONS: For effective disease control a good leaf cover must be achieved before a widespread disease outbreak occurs. To avoid resistant strains of downy mildew developing, Sprayphos 620 should be applied as close as possible to the day of infection and alternated with other systemic fungicides.

METHOD OF APPLICATION: Foliar Spray • The injection • **When applying Sprayphos 620 as a foliar spray, ensure adequate covering of the target plant.

MIXING: Half fill spray vat and with agitation system running, add the required amount of product.

COMPATIBILITY: SPRAYPHOS 620 is compatible with • Dithane • Copper-oxychloride • Till • Bayleton and most common powdery mildew fungicides • Most foliage nutrients are also compatible. When using in conjunction with ECs - always form emulsion with water prior to adding SPRAYPHOS 620.

SPRAYPHOS 620 is an aqueous fungicide for the control of: • Downy Mildew • Phytophthora species.

CONDITIONS CONDUCTIVE TO DOWNY MILDEW INFECTION

- 1) Primary infection overnight conditions of

Temperature	10°C	Humidity	98 percent for at least 4hrs from midnight to dawn.
Rainfall	10mm	Leaf wetness	24hrs.
- 2) Secondary infection overnight conditions of

Temperature	11°C	Humidity	98 percent for at least 4hrs from midnight to dawn.
Soil Wetness	3-4hrs	Leaf wetness	24hrs.

PROTECTION OF WILDLIFE FISH AND THE ENVIRONMENT: This product is harmful to fish, 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. Spillage should not be directed to drains but absorbed in sawdust and the absorbent material disposed off in a sealed container at an approved disposal site. Triple rinse or preferably pressure rinse containers before 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 burnt.

DRUM MUSTER ELIGIBLE CONTAINER, NOT APPLICABLE IN 1000 LITRE CONTAINER, FOR 1000 LBC, EMPTY CONTENTS FULLY, CLOSE ALL VALVES AND RETURN TO THE MANUFACTURER FOR REFILL OR STORAGE.

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.

GROUP Y FUNGICIDE

FUNGICIDE RESISTANCE WARNING

For fungicide resistance management, Sprayphos 620 is a Group Y fungicide. Some naturally occurring individual fungi resistant to Sprayphos 620 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 620 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 620 to control resistant fungi.

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

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.

PRODUCED AND MANUFACTURED IN AUSTRALIA

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