

CAUTION

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

**CHEMAG
DOMINATOR 600
FUNGICIDE**

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

GROUP Y FUNGICIDE

For control of phytophthora disease and
downy mildew in the various situations described
in the Directions for Use table.

**IMPORTANT READ THIS BOOKLET BEFORE
USING THIS PRODUCT.**

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TREE AND VINE CROPS

Directions For Use : RESTRAINTS:

Do Not apply ChemAg Dominator 600 at volumes which cause excessive run-off

Crop	Weeds Controlled	State	Treatment Method	Rate	Critical Comments
Avocado	Phytophthora Root Rot (<i>Phytophthora Cinnamomi</i>)	Qld, NSW, Vic, SA, WA, ACT	Injection	<p>Trunk Injection, Skeletal Trees: 1st Year 5ml undiluted product per metre of canopy diameter.</p> <p>Other situations: 2.5ml product diluted with 7.5mL water per metre of canopy diameter.</p>	<p>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 an Ag-Murf gun or 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 ChemAg Dominator 600 for trunk injection. DO NOT inject more liquid in fewer syringes than directed.</p>
			Foliar Spray	3.3-4.0 L / Ha	<p>Solution concentrate: 165 200 ml / 100 L Amount per unit: Spray to run off 7.5 to 10 L per adult tree.</p> <ol style="list-style-type: none"> Curative: apply every 3 weeks until disease is under control. Preventative: apply every 5-6 weeks.
Young or Small Citrus	Phytophthora Root Rot & Collar Rot (<i>Phytophthora Nicotianae</i> <i>Phytophthora Citrophthora</i>)	All States	Foliar Spray	170 - 330 ml / 100 L To leaf wetness (by boom or similar high volume sprayer).	<p>Two applications: Late Winter prior to flowering 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 like Chemag Wetter 1000 in conjunction with ChemAg Dominator 600.</p>

Crop	Weeds Controlled	State	Treatment Method	Rate	Critical Comments
Mature Citrus	Phytophthora Root Rot & Collar Rot (<i>Phytophthora Nicotianae</i> <i>Phytophthora Citrophthora</i>)	All States	Foliar Spray	13.3 L / Ha In 3000 - 4000 L of water 53 ml / 12 L / 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.
				8.3L / Ha in 2000 - 5000L of water 33 ml / 12 L / tree	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.
Grapes	Downy Mildew (<i>Plasmopara Viticola</i>)	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 ChemAg Dominator 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 2000L / Ha in a vigorous crop at full canopy. Spray timing is critical. For best results apply ChemAg Dominator 600 as a tank mix with protectant fungicides such as Mancozeb / Dithene, Copper Oxychloride, etc, to ensure both pre- and post-infection activity. ChemAg Dominator 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 ChemAg Dominator 600 is applied to match vine growth, particularly from mid-season onwards, and especially where grapes are grown on rootstock.

Crop	WeedsControlled	State	Treatment Method	Rate	Critical Comments
Cucurbits	Downy Mildew (<i>Pseudoperonospora Cubensis</i>)	All States	Foliar Spray	3 L / ha in min 800 1000L of water	Use weekly spray intervals when conditions favour disease development. To avoid phytotoxicity with some plant specie, it is recommended that the product be tested on a few plants of each species prior to the main application.
Orna-mentals	Phytophthora Root & Crown Rot (<i>Phytophthora Spp.</i>)	Qld, NSW, Vic, WA, Tas, NT, ACT	Foliar Spray	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 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 and Heart Rot (<i>Phytophthora Cinnamomi</i> <i>Phytophthora Parasitica</i>)	Qld, WA only	Foliar Spray	4L/ha 1:200 1:500L water	Apply to tops, two (2) weeks prior to harvest of planting material.
Sub-terranean Clover	Phytophthora Root Top (<i>Phytophthora Clandestina</i>)	Nsw, Vic, Tas, SA, WA, ACT	Foliar Spray	500 ml / 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 THE LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD:

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.

GENERAL INSTRUCTIONS:

For effective disease control, of good leaf cover must be achieved before a widespread disease outbreak occurs.

CONDITIONS CONDUCIVE TO DOWNY MILDEW INFECTION

1. PRIMARY INFECTION Overnight conditions of:

Temperature	10°C
Rainfall	10mm
Soil Wetness	24hrs
Leaf wetness	3-4 hrs at end of a 24hr period

2. SECONDARY INFECTION Overnight conditions of:

Temperature	11°C
Humidity	98% for at least 4 hours from mid night to dawn
Leaf Wetness	24 hrs

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

FUNGICIDE RESISTANCE WARNING:

ChemAg Dominator 600 is a member of the Multi-site Activity group of fungicides. For fungicide resistance management ChemAg Dominator 600 is a Group Y Fungicide. Some naturally occurring fungal populations resistant to ChemAg Dominator 600 and other Group Y fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by ChemAg Dominator 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, Chemag Pty Limited accepts no liability for any losses that may result from the failure of ChemAg Dominator 600 to control resistant fungi.

MIXING:

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

COMPATIBILITY:

Compatible with Mancozeb, Copper Oxychloride, Bayleton, Tilt 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 ChemAg Dominator 600.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND 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 of in a sealed container at an approved disposal site. Triple or preferably pressure rinse containers before disposal. Add rinsing 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. For refillable containers: empty contents full into application equipment. Close all valves and return to collection point for refill or storage. If not recycling, break crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury containers below 500 mm in a disposal 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.

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 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 Poisons Information Centre.
(Telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet.