

Product Name: NUFARM PHOSTROL 500 SYSTEMIC FUNGICIDE
APVMA Approval No: 67983/135839



Label Name:	NUFARM PHOSTROL 500 SYSTEMIC FUNGICIDE
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	500 g/L PHOSPHOROUS ACID (PHOSPHONIC ACID)
Mode of Action:	GROUP 33 FUNGICIDE
Statement of Claims:	Effective against Phytophthora diseases and downy mildew in various situations as specified in the Directions for Use Table.
Net Contents:	1 L - 1000 L
Restrains:	DO NOT apply Nufarm Phostrol 500 at volumes which cause excessive run-off
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	G = grazing

	<p>Citrus, Cucurbits, Avocados, Grapes, Pineapples: NOT REQUIRED WHEN USED AS DIRECTED</p> <p>Poppies: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION</p> <p>Subterranean Clover: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.</p>
--	---

Trade Advice:	<p>Growers should note that MRLs or import tolerances DO NOT exist in all markets for edible produce treated with Nufarm Phostrol 500. If you are growing edible produce for export, please check with Nufarm Australia Limited for the latest information on MRLs and import tolerances before using Nufarm Phostrol 500.</p>
---------------	--

General Instructions:	<p>For effective disease control a good leaf cover must be achieved before a widespread disease outbreak occurs.</p> <p>CONDITIONS CONDUCIVE TO DOWNY MILDEW INFECTION</p> <p>1. PRIMARY INFECTION- Overnight condition of:</p> <p>Temperature: 10°C</p> <p>Rainfall: 10 mm</p> <p>Soil Wetness: 24 hrs</p> <p>Leaf Wetness: 3-4 hrs at the end of a 24 hr period</p> <p>2. SECONDARY INFECTION- Overnight condition of :</p> <p>Temperature: 11°C</p> <p>Humidity: 98% for at least 4 hours from midnight to dawn</p> <p>Leaf Wetness: 24 hrs</p> <p>TO AVOID RESISTANCE STRAINS OF DOWNY MILDEW DEVELOPING, NUFARM PHOSTROL SHOULD BE APPLIED AS CLOSE AS POSSIBLE TO THE DAY OF INFECTION AND ALTERNATED WITH OTHER SYSTEMIC FUNGICIDES.</p> <p>MIXING</p> <p>Half fill spray vat and with agitation system running, add the required amount of product.</p>
-----------------------	---

Resistance Warning:	<p>Nufarm Phostrol 500 is a Group 33 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 33 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can be eventually dominate the fungal population if these fungicides are used repeatedly. The resistant fungi will not be controlled by this product or other Group 33 fungicides. Thus, resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistance fungi is difficult to detect, Nufarm Australia Limited accepts no liability for any losses that may result from failure of this product to control resistant fungi.</p>
---------------------	---

Precautions:	
--------------	--

Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>This product is harmful to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
--------------	--

Storage and Disposal:	<p>Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store at temperatures less than 4°C. 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 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. For refillable containers: empty contents fully into application equipment. Close all valves and return to collection point for refill or storage.</p>
-----------------------	--

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.

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 and a washable hat and 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 and contaminated clothing.

First Aid Instructions:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26.

First Aid Warnings:

Grapes	Downy Mildew (<i>Plasmopara viticola</i>)	ALL STATES	FOLIAR SPRAY	2.4L/ha early season, small canopies 3.25-4.8L/ha Mid-late season, large canopies	It is essential that the rate of Nufarm Phostrol 500 be adjusted for a vine –row volume (i.e the volume of vine foliage per hectare). An application volume of 600L/ha is suggested at the start of the season, increasing to 2400L/ha in a vigorous crop at full canopy. Spray timing is critical. For best results apply Nufarm Phostrol 500 as a tank mix with protectant fungicide such as Mancozeb/Dithane, Copper Oxychloride, etc. To ensure both pre- and post-infection activity. Nufarm Phostrol 500 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 Nufarm Phostrol 500 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.
Cucurbits	Downy Mildew (<i>Pseudoperonospora cubensis</i>)	ALL STATES	FOLIAR SPRAY	3.6L/ha in min 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.
Ornamentals	Phytophthora Root and Crown Rot	QLD, NSW, VIC, WA, TAS, NT, ACT	FOLIAR SPRAY	200mL/100L boom or knapsack 400mL/100L air blast	Apply at 4-6 weekly intervals when condition 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 to ornamental plants are dormant or stressed. DO NOT apply to ornamentals plants under extremes of temperature.
Pineapple	Phytophthora Root and Heart Rot	QLD, WA	FOLIAR SPRAY	4.8L/ha 1:200-1:500 water	Apply to tops, two (2) weeks prior to harvest of planting material.
Poppies	Downy Mildew (<i>Peronospora cristata</i>)	TAS	FOLIAR SPRAY	2.4L/ha	Commence application from 10-12 leaf stage up 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 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 (<i>Phytophthora clandestina</i>)	NSW, VIC, WA, TAS, ACT	FOLIAR SPRAY	600mL/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.

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