

HARMFUL
KEEP OUT OF REACH OF CHILDREN



NORDOX™



75WG



PROTECTANT COPPER FUNGICIDE

grochem

Contains: 750g/kg copper as cuprous oxide in the form of a water dispersible granule.

PROPER SHIPPING NAME:
Environmentally Hazardous Substance
Solid, NOS
UN No. 3077

Batch:

DoM:



NET CONTENTS
10kg

GNORDO/0817

REGISTERED TO & DISTRIBUTED BY: AgriNova New Zealand Ltd,
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PLEASE READ LABEL AND SAFETY DATA SHEET BEFORE USE

HAZARD CLASSIFICATIONS: 6.1E, 6.4A, 6.9B, 9.1A
WARNING: May be harmful if swallowed or inhaled. Causes eye irritation. May cause damage to lung through prolonged or repeated exposure. Wash hands and exposed skin before meals and after work.
ECOTOXIC: Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container.

PRECAUTIONARY STATEMENTS:
P260 Do not breathe dust/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves, eye/face protection.
P314 Get medical advice/attention if you feel unwell.

APPROVED HANDLER: This product must be under the control of an Approved Handler when applied in a wide dispersive manner, used by a commercial contractor, or applied directly onto or into water.

EQUIPMENT: Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

FIRST AID: If medical advice is needed, have product label or container at hand.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF ON SKIN: Wash with soap and water.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell or if irritation persists.

24-hour Emergency Telephone Number – for advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.
For specialist advice in an emergency only, call 0800 CHEMCALL (24hrs) or 0800 243 6225. In a transport emergency dial 111.

TRANSPORT: Do not carry more than 3kg on a passenger service vehicle.
SAFETY DATA SHEET: A Safety Data Sheet (SDS) for Nordox 75WG is available from Grochem on request or www.grochem.co.nz
SPILLAGE: Wear protective clothing and prevent material entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.
DISPOSAL: Dispose of this product only by using according to the label, or at an approved landfill, or another approved facility. Avoid contamination of any water supply with product or empty container.
Container Disposal: ensure container is completely empty. Burn if circumstances, especially wind direction, permit. Otherwise bury in a suitable landfill.
STORAGE: Store in a dry cool well ventilated area away from feed, seed and foodstuffs. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture (DOM). Contact your supplier for further information about the use of any product that is older than this.

WITHHOLDING PERIOD: Do not apply to fruit and vegetable crops later than 1 day before harvest.
CONDITIONS OF SALE: As no control can be exercised over the manner in which or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

Nordox™ is a trademark of Nordox AS, Norway.
Registered pursuant to the ACVM Act 1997, No. P6085. See www.foodsafety.govt.nz for registration conditions. Approved Pursuant to the HSN Act 1996, No. HSP000603. See www.epa.govt.nz for approval conditions.

DIRECTIONS FOR USE:

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.
RESTRAINTS: DO NOT apply when poor drying conditions exist. DO NOT apply when either extreme heat prevail or immediately prior to damaging frost conditions. In use situations when multiple rate options are provided use the lower rates when disease pressure is light and higher rates when disease pressure is severe.
GENERAL INSTRUCTIONS: Frost Injury Protection (Bacterial Ice Nucleation Inhibitor):
LABEL RATE APPLICATION OF NORDOX 75WG: Two to five days prior to anticipated frost conditions, will afford control of ice-nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost. Not effective for severe frost conditions.
COMPATIBILITY: Nordox 75WG is compatible in the spray tank with spray oils, and most commonly used neutral or slightly alkaline fungicides,
INSECTICIDES AND MITICIDES. DO NOT tank mix with acidic chemistry. Observe all precautions and limitations on labels of all products used in mixtures. Note: Nordox 75WG should NOT be used in mixtures with Euparent DF. If compatibility is a question, conduct a compatibility test before mixing. Mixtures with calcium nitrate may give rise to small skin markings on citrus. Kiwifruit – tank mixtures post fruit set may result in fruit marking.

RESISTANCE MANAGEMENT: Nordox 75WG is a member of the inorganic copper group of fungicides with multi-site activity.
Nordox 75WG is a **GROUP M1 FUNGICIDE**
Some naturally occurring fungi and bacteria resistant to Nordox 75WG and other Group M1 fungicides may exist through normal genetic variability in any population. These will not be controlled by Nordox 75WG or other Group M1 fungicides. The resistant individuals can eventually dominate the population if copper products are used repeatedly. Since the occurrence of resistance is difficult to detect prior to use, AgriNova NZ Ltd accepts no liability for any losses that may result from the failure of Nordox 75WG to control resistant fungi or bacteria. To prevent or delay the development of resistance, use Nordox 75WG in tank mixtures where appropriate, and/or in rotation with fungicides or bactericides having a different mode of action. Refer to www.resistance.nzpps.org for further information.
MIXING: Add Nordox 75WG slowly to the spray tank partially filled with water and agitate mixture to maintain uniform suspension. If using in a mixture with an emulsifiable concentrate, add the Nordox 75WG after making the emulsion. Otherwise add insecticides, nutrients, etc after the Nordox 75WG. Ensure adequate agitation of both during mixing and application. Rates as stated in directions for use are for dilute spray volume application.

APPLICATION RATES:

CROP	CONTROL	RATES G/100L WATER	CRITICAL COMMENTS
Apples	Blackspot	90 (min 1.75kg/ha)	Apply as full cover spray between silver tip and green tip. Warning: Discontinue when green tip is 1cm long as late application may cause phytotoxicity.
	European Canker	70 to 90 (min 1.3kg/ha)	Apply first application immediately post harvest, before the occurrence of wet weather. Reapply at the beginning of leaf fall and repeat as required to provide cover of leaf scars until leaf fall is complete. Ensure good coverage.
Avocados	Anthraxnose	55-70 (min 1.6kg/ha)	Apply at monthly intervals from flowering to harvest. Reduce to 14 day intervals during prolonged wet periods.
Brassicac (cabbage, cauliflower, broccoli, brussel sprouts)	Downy mildew	55-70 (min 0.2kg/ha)	Apply at first sign of disease and then every 10-14 days as necessary. Warning: Do not use on copper shy varieties.
Bushfruit Cane	Cane wilt, cane spot, spur blight, leaf spot	55-70 (min 0.52kg/ha)	Apply at bud burst at 14 day intervals. Use higher rate early season.
Strawberries	Leaf spot	55-70 (min 0.52kg/ha)	Begin application when plants are established and continue on a weekly schedule throughout the season. Use higher rate early season. Note: Discontinue if signs of crop injury appear.
Celery	Septoria – leaf spot	70 (min 0.35kg/ha)	Apply as soon as the plants are set in the field, then at 5-7 day intervals depending on disease severity and environmental conditions. Excel Oil™ may be added at 1 litre per 100 litre of spray mix.
Citrus	Brown rot	70-90 (min 1.4kg/ha for mature trees)	Early winter & repeat 8-10 weeks later if necessary. Apply to bottom meter of tree and ground 0.5m beyond skirt. Copper marking may occur on sensitive varieties.
	Melanose Verrucosis	35-70 (min 1.4kg/ha for mature trees)	Pre-blossom & petal fall sprays. Repeat 6 weeks later where melanose is a problem.
Cucurbits	Angular leaf spot, downy mildew	55-105 (min 0.5ha/kg)	Apply at first sign of disease and repeat every 7-10 days.
Feijoas	Leaf spot (glomerella sphacelmoa)	55-70 (min 0.6kg/ha)	Repeat as necessary.
Grapes	Downy mildew, black spot	55-105 (min 0.7kg/ha)	Apply at bud break & continue during pre and post bloom period every 14 days throughout the season as needed. Note: Discontinue if signs of injury are observed.
	Powdery mildew, botrytis, sour rot	55-90 (min 0.54kg/ha)	The control of Sour Rot and the suppression of Powdery Mildew and Botrytis. Full control of Powdery Mildew and Botrytis may not be obtained under very high pressure situations. Apply at 10-14 day intervals throughout the season as required. To stay within the wine industry guidelines of less than 3kg metal copper per ha per season apply no more than 7 applications per season at 0.54kg/ha.
Kiwifruit	Leaf spot, botryospheria	55-70 (min 1.1kg/ha)	Apply as a dormant season spray only. Apply after harvest but before leaf fall, after pruning and as 2 sprays 1 month apart, before bud burst.
	Psa Pseudomonas syringae pathovar actinidiae	55-70 (min 1.1kg/ha) 37.5	Apply after harvest but before leaf fall, after pruning and as 2 sprays 1 month apart, before bud burst. Pre- and Post-flowering. Do not apply to open flowers. Apply full dilute water rate, appropriate for the size of canopy to give complete coverage. Target 750g per ha for full mature canopy. Apply as required to prevent infection. Warning higher rates and/or multiple applications and/or poor drying conditions can result in leaf drop, leaf marking, and marginal leaf burn. Fruit marking may occur from any application post flowering. Apply alone, post flowering, tank mixing with other chemistry may increase the risk of fruit marking and leaf damage.
Lettuce	Downy mildew	55-90 (min 0.26kg/ha)	Begin treatment from seed emergence or when transplants are set in the field and repeat every 7-10 days as needed to suppress the disease.
Onions	Downy mildew, bacterial blight	70 (min 0.78kg/ha)	Apply when the disease first appears and repeat every 10-14 days while conditions allow infection.
Passionfruit	Septoria spot, brown rot, grease spot	35 (min 0.35kg/ha)	2-4 week intervals alternating with mancozeb from Nov-Mar. Where grease spot is a problem 2 week intervals may be necessary.
Pears (inc Nashi)	Blackspot	90 (min 1.75kg/ha)	Apply at 21 day intervals as full cover spray between silver tip and green tip. Reduce intervals if wet conditions persist. Warning: Do not apply between green tip & harvest as late application may cause phytotoxicity. Smooth skin varieties – russetting may occur.
	Fireblight	20-35	
Peas	Downy mildew, leaf spot	55-70 (min 0.53kg/ha)	Begin treatment at seedling emergence & repeat every 7-14 days depending on disease severity.
Pine	Dothistroma – pine needle blight	Aerial. Mix 1.1kg with 2L of an intermediate type spraying oil and add sufficient water to give a total of 5L/ha	Apply at a rate of 5L/ha using 'micronairs' set to give a droplet size of 65 microns. Repeat at yearly intervals or as necessary. Nurseries use 2.66kg/ha in 400-1000L of water.
Potatoes	Early & late blight	105-160 (min 1.1kg/ha)	Apply when plants are 15cm high and then every 7 days until 2 weeks before harvest. Under severe disease pressure, use an alternative fungicide.
Stonefruit	Leaf curl	90 (min 1.8kg/ha)	Timing is critical for effective control. Apply high rate at bud movement with second application at lower rate 10-14 days later.
	Shot hole, bladder plum		Use higher rate. Apply at leaf fall and at monthly intervals throughout winter until bud movement then treat as leaf curl.
	Bacterial blast	170 (min 3.3kg/ha)	Apply at leaf fall and repeat at monthly intervals throughout winter until leaf bud movement, then treat as per leaf curl.
Tamarillo	Leaf spot	55 (min 0.71kg/ha)	Apply as necessary.
Tomatoes	Early & late blight, bacterial speck & spot	55-105 (min 0.7kg/ha)	Apply at first sign of disease & every 7-10 days depending on severity of disease & weather conditions. Increase spray volume to ensure full coverage. Repeat after rain (more than 13mm) or irrigation.