

ECOTOXIC



Dithane™ Rainshield™

Neo Tec™

FUNGICIDE

ACTIVE INGREDIENT: Contains 750g/kg mancozeb in the form of a water dispersible granule.

GROUP	M3	FUNGICIDE
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For the control of fungal diseases in agricultural, horticultural and ornamental crops

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

NET CONTENTS: 10kg, 20kg

Corteva Agriscience New Zealand Limited
89 Paritutu Road, Private Bag 2017, New Plymouth 4342
www.corteva.co.nz
Telephone: 0800 803 939

INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL
Dithane Rainshield Neo Tec Fungicide

24th May 2021

HAZARD CLASSIFICATION

6.3B, 6.4A, 6.5A, 6.9B, 9.1A

APPROVED HANDLER

This product must be under the personal control of an approved handler when:

- a) applied in a wide dispersive manner; or
- b) used by a commercial contractor.

RECORD KEEPING

Records of use, as described in relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3 kg is applied or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

HEALTH HAZARDS

WARNING

MAY CAUSE SKIN AND EYE IRRITATION AND MAY CAUSE SENSITISATION FROM PROLONGED SKIN CONTACT. Avoid contact with eyes and skin.

MAY CAUSE RESPIRATORY SENSITISATION. Avoid inhalation of spray mist.

MAY CAUSE SENSITISATION FROM PROLONGED SKIN CONTACT. Avoid skin contact.

MAY CAUSE ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES. **DO NOT** eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

ENVIRONMENTAL HAZARDS

VERY TOXIC TO AQUATIC ORGANISMS. **DO NOT** contaminate an aquatic environment with chemical or empty container. **DO NOT** spray over or allow spray to drift over an aquatic environment. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

HANDLING PRECAUTIONS

EQUIPMENT

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

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

STORAGE

Stores containing more than 100 kg of Dithane™ Rainshield™ Neo Tec™ Fungicide require bunding and are subject to signage. See the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep away from fire and sparks. **DO NOT** allow package to become wet or

overheated in storage; decomposition, impaired activity or fire may result. **DO NOT** store near food, feedstuffs, fertilisers or seed.

PERSONAL PROTECTION

When mixing or applying wear eye protection, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, chemical resistant boots and cotton overalls buttoned to the neck and wrist.

SPILLAGE

DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Stop further spill occurring and prevent entry into waterways and drains. **Small spills:** In case of spill on hard surfaces sweep up, and on soft surfaces scoop up, then place in drums for disposal at a licensed local authority landfill. Spill residues may be cleaned using water and detergent. Contain and absorb wash water. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills:** Report large spills to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Puncture or shred and bury empty bags in a local authority landfill. If no landfill is available, bury the bags below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty bags and product should not be burnt.

Dispose of equipment cleaning water onto ground away from edible crops.

Dispose of the product only by using according to the label, or at an approved landfill. **DO NOT** burn product.

DO NOT dispose of this product, spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability whether in contract, tort (including but not limited to negligence), or otherwise to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

Registered pursuant to the ACVM Act 1997, No. P4053.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000737

See www.epa.govt.nz for approval controls.



<p>Registered to: Corteva Agriscience New Zealand Limited Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 www.corteva.co.nz</p>	<p>Distributed by: Fruitfed Supplies P.O.Box 2116 AUCKLAND <i>Part of PGG Wrightson Limited</i> Telephone 0800 550 003</p>	<p>EMERGENCY RESPONSE (All hours) Ring from anywhere in New Zealand 0800 844 455, or Globally +64 6 751 2407</p>	<p>IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE</p>
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SAFETY DATA SHEET

A Safety Data Sheet for Dithane™ Rainshield™ Neo Tec™ Fungicide is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit www.corteva.co.nz.

TRANSPORT

DO NOT carry this product in a passenger service vehicle.

 	<p>Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANCOZEB) Marine pollutant</p> <p>UN Number: 3077</p> <p>Packing Group: III</p> <p>HAZCHEM: 2Z</p>
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Expiry Date: 2 years after date of manufacture in unopened bags

Date of Manufacture:

Batch No.

Barcode

APPLICATION METHODS

Apply Dithane™ Rainshield™ Neo Tec™ Fungicide at 160 – 210 g/100 L of water as a full coverage, dilute spray **unless otherwise specified**.

For low volume sprayers, adjust the mixing rate to give equivalent rates per hectare.

Thorough, uniform coverage is essential for good disease control.

Cleaning Spray Equipment:

Rinsing

After using Dithane™ Rainshield™ Neo Tec™ Fungicide:

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

MIXING:

DO NOT premix Dithane™ Rainshield™ Neo Tec™ Fungicide into a smaller tank. Pour Dithane Rainshield Neo Tec Fungicide into a ¼ filled spray tank while the agitator is running then add remaining water. **DO NOT** let Dithane™ Rainshield™ Neo Tec™ Fungicide settle out in an unagitated spray tank. When preparing spray solutions for use in a hand sprayer, premix as a slurry in a small container and add to sprayer containing ¼ - ½ final water volume and then add remaining water.

Dithane™ Rainshield™ Neo Tec™ Fungicide is compatible with most commonly used insecticides and miticides, however compatibility should be checked before using EC formulations. Dithane™ Rainshield™ Neo Tec™ Fungicide is not compatible with Bordeaux mixture or lime sulphur.

Using the Spray

IMPORTANT: In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.

Beans, Boysenberries, Broccoli, Brussel Sprouts, Cabbage, Carrots, Cauliflower, Celery, Citrus, Currants (Red and Black), Gooseberries, Grapes, Lettuce, Loganberries, Maize, Nectarines, Onions, Peaches, Potatoes, Raspberries, Strawberries, Sweetcorn: DO NOT apply within 14 days of harvest.

Cucurbits and Tomatoes: DO NOT apply within 1 day of harvest.

GRAZING RESTRICTION

The following restrictions on the use of this product **must** be observed. Do **not** feed treated crops or pasture to stock other than sheep used for leaf plucking in vineyards. Take care not to allow this product to drift onto pasture or crops that may be grazed. Do **not** graze stock in orchards which have been treated with Dithane™ Rainshield™ Neo Tec™ fungicide.

VINEYARDS: Do **not** graze stock other than sheep in vineyards which have been treated with Dithane™ Rainshield™ Neo Tec™ Fungicide. For the purpose of leaf plucking, sheep may graze vineyards providing they are not slaughtered for 2 months after leaving the vineyard.

RESISTANCE MANAGEMENT

GROUP	M3	FUNGICIDE
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Dithane™ Rainshield™ Neo Tec™ Fungicide is a dithio carbamate fungicide (Group M3). Some naturally occurring individual fungi may become resistant when excessive use of the same fungicide occurs. To maximize the effectiveness of fungicides, products containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE:

It is an offence to use this product on animals.

Crop	Diseases	Rate	Specific Comments
Fruit and Berries			
Apples Pears	Black Spot, Glomerella, Ripe Spot, Sooty Blotch	160 g/100 L	Apply every 10-14 days beginning at green tip. In regions where Glomerella is not a problem, reduce late cover spray rates to 110 g/100 L.
Boysenberries, Loganberries, Raspberries	Leaf Spot, Rust, Downy Mildew (Dry Berry)	210 g/100 L	Apply every 10-14 days from green tip.
Citrus	Brown rot		Apply in May. If infection is serious begin applications in April and continue at 4-6 week intervals until late winter.
	Alternaria		Apply from October to April every 14-28 days.
	Verrucosis (Citrus Scab)		Apply at petal fall.
	Citrus Rust Mite		Apply at the first sign of mite activity around December-January. Reapply after 21-28 days if necessary.
Currants (Red and Black), Gooseberries	Leaf Spot		Apply at green tip, pre-flowering and thereafter at 2-3 week intervals.

Crop	Diseases	Rate	Specific Comments
Grapes	Anthracnose (Black Spot), Downy Mildew, Dead Arm Disease	210 g/100 L	Apply every 10-14 days commencing at Bud burst, or in accordance with local recommendations.
Peaches, Nectarines	Rust		Apply in early November. Reapply if disease is severe. DO NOT apply Dithane™ Rainshield™ Neo Tec™ Fungicide to plums as defoliation may occur.
Strawberries	Mycosphaerella Leaf Spot		Apply every 10-14 days beginning in mid-June. In wet conditions, reduce spraying interval to 7 days.

Crop	Diseases	Rate	Specific Comments
Ornamentals			
Ornamentals	Black Spot of Roses, Flower Blight and Rust of Chrysanthemums, Septoria Leaf Blight of Gladioli and Gerberas, Rust of Antirrhinum, Pelargonium and Hollyhock	210 g/100 L	Apply at 7-10 day intervals

Vegetables			
Beans	Rust, Anthracnose	160 – 210 g/100 L	Apply at 7-10 day intervals following the first signs of disease.
Carrots	Cercospora Leaf Spot		Begin applications on appearance of disease and repeat at 7-10 day intervals.
Cabbage, Cauliflower, Broccoli, Brussels Sprouts	Downy Mildew		Apply at 7-10 day intervals in the seedbed and field. In wet weather, reduce the seedbed interval to 3-7 days.
Celery	Septoria Leaf Spot		Apply at 3-5 day intervals in the seedbed and 7-10 day intervals in the field.
Cucurbits	Downy Mildew, Cercospora Leaf Spot, Anthracnose, Alternaria		Apply at 5-7 day intervals beginning when runners form or at the first sign of disease.
Lettuce	Downy Mildew, Pleospora Spot, Ring Spot		Apply at the first sign of disease and repeat at 7-10 day intervals.
Onions	Downy Mildew		Apply at 7-10 day intervals.
Potatoes	Early and Late Blight	1.6 - 2.1 kg/ha	Apply 1.6 kg/ha at crop emergence and increase rate to 2.1 kg /ha as vines increase in size. Spray every 7-10 days throughout the season, reducing the spray interval to 3-4 days in wet conditions conducive to Blight infection.
Sweetcorn, Maize	Northern Leaf Blight	2.1 kg/ha	Apply by aerial application at the first sign of disease. Repeat sprays as necessary.
Tomatoes	Early and Late Blight, Anthracnose, Leaf Mould, Septoria Leaf Spot	160 – 210 g/100 L	Apply every 7-10 days. Increase the rate to 210 g/100 L or reduce spray intervals under severe infection conditions.

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