

Read label before use and do not handle until all safety precautions have been read and understood.



This product **MUST NOT** be used for any purpose or in any manner contrary to the controls and conditions of this registration.

This product **MUST** be Tracked and requires a Certified Handler.

HAZARD CLASSIFICATIONS

Acute inhalation toxicity Category 2, Serious eye damage Category 1, Skin sensitization Category 1, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

DANGER: May be fatal if ingested, in contact with skin or inhaled. Causes serious eye damage, and kidney damage from repeat oral exposure at high doses.

WARNING: May cause an allergic skin reaction. Mild skin irritant. Suspected of causing cancer.

ECOTOXIC: Very toxic to aquatic organisms. Toxic to terrestrial vertebrates and terrestrial invertebrates. Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

PRECAUTIONS

Store in original container, tightly closed, away from foodstuffs and under lock and key.

Use only outdoors or in well-ventilated area. When handling, wear full protective clothing such as overalls, impervious gloves, approved respirator, and a face shield. Wash splashes of concentrate from skin or eyes immediately. When spraying, wear overalls and gloves. Avoid contact with skin, eyes and inhalation of spray mist. **DO NOT** eat, drink or smoke while using. Wash hands and face before eating, drinking

or smoking and after work. Wash protective clothing after use. Apply with well-maintained and calibrated spray equipment. Tracking records **MUST** be kept.

Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409. **DO NOT** carry on a passenger service vehicle.

Avoid contamination of any water supply with chemical or empty container.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill. **DO NOT** reuse this container for any other purpose.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID: If swallowed, rinse mouth. **DO NOT** induce vomiting. Immediately contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor for advice. If inhaled, move the victim to fresh air immediately and keep at rest in position comfortable for breathing. Immediately get medical advice. Begin artificial respiration if breathing has stopped. If skin or hair contact occurs, remove contaminated clothing and gently wash with soap and water. **DO NOT** scrub the skin. If irritation or rash occurs, get medical advice. Wash contaminated clothing before re-use. If in the eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical advice.

SPILLS: In the event of a leak or spillage - contain the spillage, taking particular care to prevent entry to drains or waterways:

- Keep people away.
- Absorb spillage with material such as sawdust or soil, and dispose of safely.
- Sweep up contaminated material and place in drums for disposal in accordance with the requirements of the EPA New Zealand controls and in a manner acceptable to the

Batch Number:

Date of Manufacture:

local authorities. For major spillages, inform the Fire Service immediately.

- Overalls, eye protection, gloves and gumboots should be worn during clean up and disposal.

GENERAL INFORMATION

CLEANER is a protectant fungicide that will provide effective control of fungus diseases on a wide range of vegetable, fruit, ornamental crops, turf and wheat. CLEANER can be used effectively through high volume, low volume or aircraft spray equipment.

Note: CLEANER must be used only as directed on this label.

MIXING

If the container has been standing for some while, roll the drum from side to side several times to ensure a uniform mixture is drawn off. Add the required amount of CLEANER to the partly filled spray tank and top up with water. Keep mechanical agitator or bypass running while filling, during spraying, and before recommencing spraying after a stoppage.

APPLICATION

Suggested spray volume: It is important that good spray coverage of the crop is achieved and for high volume spraying use a minimum of 800 litres of water per hectare, increasing as necessary to ensure complete foliar cover at all stages of crop development. The rates suggested are for high volume spraying to run off. For concentrate spraying adjust dilution rates accordingly.

COMPATIBILITY

CLEANER is compatible with most commonly used fungicides and insecticides. Unless prior experience has shown the combination to be physically compatible and non-injurious to crop, DO NOT combine with emulsifiable formulations, including oils, in the spray tank. DO NOT use with lime sulphur or Bordeaux mixture. CLEANER is compatible with streptomycin: when using add CLEANER to the spray tank, top up, then add streptomycin containing product.

WETTING AGENTS

CLEANER is formulated with an effective wetting system, and the addition of

further surfactant is neither required, nor recommended except where suggested in the Directions for Use table.

STORAGE

Store in the closed, original container in a cool, dry, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. See Safety Data Sheet for additional storage information. Stores containing quantities of 100 litres or more require signage and secondary containment.

SAFETY DATA SHEET

If additional information is required, refer to the Safety Data Sheet. Contact your supplier for a copy.

DIRECTIONS FOR USE

By law, the following restrictions must be complied with:

- As CLEANER contains minute quantities of HCB, a compound that can be taken up by grazing stock to give unacceptable residues in meat and milk, the following restrictions on the use of the product must be observed:
- **DO NOT** graze treated crops.
- **DO NOT** feed any part of treated crop to stock.

These two restrictions do not apply if either of the following is first undertaken:

- **CULTIVATE** treated areas thoroughly (i.e. do not use direct drilling or other minimum tillage techniques) before sowing pasture or any animal feed crop; or
- **SOIL TESTING** in compliance with the "Guideline for Management of Sheep Grazing in Vineyards or Orchards Contaminated with Hexachlorobenzene" of the vineyard/orchard area indicates HCB residues are less than 0.001 mg/kg in the soil.

It is an offence to use this product on animals.

Crop	Disease	Rate/100 litres water	Rate/ha	Note
Asparagus	Stemphyllium Leaf Spot	210 ml	2.1 litres	Commence spraying at first appearance of disease after closing up and repeat at 14 to 28 day intervals to maintain disease control until ferns die off. Use the shorter spray interval when disease pressure is high. Ensure good plant coverage.
Beans Butter, Green, Pole	Rust	175 to 210 ml	1.4 litres	Apply at seedling emergence and continue at 10 to 21 day intervals.
Beans Broad		210 to 245 ml	2.1 litres	Apply at first appearance of foliar infection and repeat at 10 to 21 day intervals or as needed to maintain disease control.
Berryfruit Boysenberries, Blackberries, Loganberries	Dryberry, *Botrytis	210 to 245 ml	2.1 litres	Apply as a full season cover spray at 14 day intervals from bud burst onwards. When infection is severe reduce the interval to 7 to 10 days. Autumn applications are necessary to protect primocanes from infection.
Blackcurrants	Leaf Spot	210 ml	2.1 litres	Apply from bud burst onwards at 10 to 14 day intervals.
Brassicas Cabbage, Cauliflower, Broccoli, Brussels Sprouts	Downy Mildew, Ring Spot	175 to 210 ml	1.4 litres	Apply at seedling emergence and continue at 10 to 21 day intervals. Use the high rate for Ring Spot control.
Celery	Septoria Leaf Spot	210 to 245 ml	2.1 litres	Apply as a full season cover spray from immediately post-planting at 7 to 14 day intervals.
Cucurbits Cucumbers, Melons, Squash	Downy Mildew, Powdery Mildew	175 to 210 ml	1.4 litres	Apply at seedling emergence and continue at 10 to 21 day intervals.
Lettuce	Ring Spot	210 to 245 ml	2.1 litres	Apply at seedling emergence and continue at 7 to 10 day intervals throughout the growing period. A regular protective program is necessary to prevent disease establishment.
Ornamentals Camellias, Carnations, Chrysanthemums, Geraniums, Statice, Roses	Black Spot, *Botrytis, Downy Mildew, Flower Blight, Powdery Mildew	175 to 210 ml	-	Apply from the commencement of new growth at 10 to 21 day intervals. DO NOT spray when flower buds are showing petal colour as bloom damage may occur.

Crop	Disease	Rate/100 litres water	Rate/ha	Note
Pipfruit Non-bearing Apples and Pears	Black Spot	210 to 245 ml	2.1 litres	Apply as a full season cover spray at 14 to 21 day intervals. DO NOT apply to bearing trees as fruit russet may occur.
Potatoes	Early Blight, Late Blight	140 ml	1.1 litres	Apply at 7 to 14 day intervals or as needed to maintain disease control.
Stonefruit Apricots, Cherries, Nectarines	Leaf Curl	160 to 210 ml	-	Apply pre bud swell. Where disease levels are high repeat application from pink to shuck fall at 7 to 14 day intervals.
Stonefruit Peaches, Plums	Brown Rot, Rust, Blossom Blight			Apply from pink to shuck fall at 7 to 14 day intervals.
Strawberries	Alternaria Leaf Spot, *Botrytis	210 to 245 ml	2.1 litres	Apply as a full season cover spray at 14 day intervals from bud burst onwards. When infection is severe reduce the interval to 7 to 10 days.
Tomatoes Outdoor	Early Blight, Late Blight, *Botrytis			Apply at planting out and continue at 10 to 14 day intervals until harvest.
Turf, Cotula	Dollar Spot, Brown Patch, Leaf Spotting/ Melting Out	70 to 140 ml/ 100 square metres	-	Spray in sufficient water to thoroughly wet foliage (7.5 to 10 litres per 100 square metres). Use the low rate for preventative applications and the high rate as a curative application. Under conditions of high pressure repeat at 10 to 14 day intervals. As the surface of diseased turf may be hard to wet, especially where thatch is present, add a wetting agent to ensure adequate penetration and control of residual infection resources. MUST NOT be used on areas to be grazed.
	Anthracnose, Fusarium Patch, Red Thread	105 to 210 ml/ 100 square metres		
Wheat DO NOT use if stock are likely to graze the stubble DO NOT remove the straw from treated fields	Ascochyta spp, Didymella, Glume Blotch, Sooty Moulds	-	0.7 to 1.4 litres	Apply at flag leaf emergence and again up until ear fully emerged if cool, wet conditions prevail. Use the higher rate where disease risk levels are high. Tank mix CLEANER with other cereal fungicides for control of other diseases.
*Botrytis: CLEANER applied as a full season cover spray will prevent Botrytis. However, during periods of high risk (wet, humid weather) use a specific Botrytis fungicide.				

WITHHOLDING PERIODS

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

Beans (Broad, Butter, Green, Pole): 7 days

Berryfruit (Boysenberries, Blackberries, Loganberries): 7 days

Blackcurrants: 7 days

Brassicac (Cabbage, Cauliflower, Broccoli, Brussels Sprouts): 7 days

Celery: 7 days

Cucurbits (Cucumbers, Melons, Squash): 1 day

Lettuce: 10 days

Potatoes: 7 days

Tomatoes (Outdoors): 7 days

Strawberries: 1 day

Stonefruit (Apricots, Cherries, Nectarines, Peaches, Plums): DO NOT use after shuckfall

Wheat: 56 days

Conditions Of Sale: This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, P8841

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

Approved under the HSNO Act 1996, HSR007697

See www.epa.govt.nz for Controls.

Registered to:

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