

DANGER
KEEP OUT OF REACH OF CHILDREN
ACUTE TOXIC
ECOTOXIC

CAVALRY[®]
FUNGICIDE

**For the control of fungal diseases in fruit,
ornamentals, turf, vegetables and wheat**

***READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR
APPLYING***

Active Ingredient: Contains 720 g/litre chlorothalonil
in the form of a suspension concentrate

ADAMA New Zealand Limited
Level 1, 19 Elms Street,
Wakatu Estate
Stoke 7011 New Zealand
PO Box 1799
Nelson 7040 New Zealand

NET CONTENTS
**1, 5, 10, 20,
200 Litres**

Telephone 03 543 8275
Facsimile 03 543 8274

Refer to booklet for full label instructions.

HAZARD CLASSIFICATIONS

Classifications 6.1B, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2B, 9.3B



ACUTE TOXIC



ECOTOXIC

APPROVED HANDLER: This product must be under the control of an approved handler during use

TRACKING: this product must be tracked – see SDS for details

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

TOXICITY

Toxic –

May be fatal if swallowed, inhaled or absorbed through the skin.

May cause kidney damage from repeated oral exposure at high doses.

Harmful –

May cause skin and eye irritation.

May cause sensitisation from prolonged skin contact.

Suspected of causing cancer.

Avoid contact with skin and eyes.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Toxic to the soil environment. Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children. Do not eat, drink or smoke while using.

Equipment

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

Storage

Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs, under lock and key.

As a Class 9 Substance with Ecotoxicity Classifications storage of Cavalry Fungicide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS 8409:2004) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Shelf life

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

Protective Clothing

When mixing or applying wear full protective clothing such as impervious, elbow-length gloves, waterproof hat, coat and trousers (worn outside rubber boots). Suitable or appropriate respiratory and eye protection should also be worn. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly with soap and water before meals and after work.

Spillage

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the Precautions box of this label to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container

FIRST AID

If swallowed DO NOT induce vomiting. **For advice contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately.** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

CONDITIONS OF SALE

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.

ADAMA

Registered to:
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Level 1, 19 Elms Street,
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Stoke 7011 New Zealand
PHONE 03 543 8275
www.adama.com

Registered pursuant to the ACVM Act 1997, No. P7346
See www.nzfsa.govt.nz/acvm for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000670
See www.ermanz.govt.nz for approval controls

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EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Batch Number:
Date of Manufacture:

Bar code to be inserted

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SAFETY DATA SHEET

A Safety Data Sheet for this product is available from ADAMA New Zealand Limited on request. Call 03 543 8275.

DIRECTIONS FOR USE

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

By law, the following restrictions must be complied with:

As Cavalry Fungicide 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**
- **CULTIVATE treated areas thoroughly (i.e. not direct drilling or other minimum tillage techniques) before sowing pasture or any animal feed crop.**

Crop	Disease	Rate/100 Litres Water	Rate/Ha	Critical Comments
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,	Downy Mildew, Powdery Mildew	175 to 210 mL	1.4 litres	Apply at seedling emergence and continue at 10 to 21 day intervals.

Squash				
Grapes	Black Spot, Downy Mildew, Powdery Mildew, *Botrytis	210 to 245 mL	2.1 litres	Apply as a full season cover spray at 10 to 14 day intervals from bud burst onwards. When disease pressure is high reduce the interval to 7 to 10 days. Use on wine grapes, especially white varieties, after the start of capfall, may result in fruit russet. DO NOT use on table grapes.
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.
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	210 to 245 mL	2.1 litres	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.
	Anthraxnose, 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.	<i>Asochyta</i> 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 Cavalry Fungicide with other cereal fungicides for control of other diseases.
*Botrytis: Cavalry Fungicide 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

Beans (Broad, butter, Green, Pole)	7 days
Berryfruit (Boysenberries, Blackberries, Loganberries)	7 days
Blackcurrants	7 days
Brassicas (Cabbage, Cauliflower, Broccoli, Brussels Sprouts)	7 days
Celery	7 days
Cucurbits (Cucumbers, Melons, Squash)	1 day
Grapes	28 days
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

GENERAL INSTRUCTIONS

MIXING

If the container has been standing for some time, roll the drum from side to side several times to ensure a uniform mixture is drawn off. Add the required amount of Cavalry Fungicide 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

May be tank mixed 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. Cavalry Fungicide is compatible with streptomycin: when using add Cavalry Fungicide to the spray tank, top up then add streptomycin containing product.

WETTING AGENTS

The addition of a wetting agent is neither required, nor recommended except where suggested in the Directions for Use table.

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