



**WARNING**  
**HARMFUL · TOXIC · ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**



# **BRAVE<sup>®</sup>**

## **FUNGICIDE**

A fungicide for the control of a wide range of diseases in fruit, ornamentals, turf, vegetables and wheat.

ACTIVE INGREDIENT: Contains 720 g/litre chlorothalonil in the form of a suspension concentrate.

**NET CONTENTS: 20 LITRES**



**TOXICITY:**

**DANGER:** May cause eye damage.  
**TOXIC:** May be fatal if swallowed, inhaled or absorbed through the skin.  
**TOXIC:** May cause organ damage from repeated oral exposure at high doses.  
**HARMFUL:** Suspected of causing cancer.  
**HARMFUL:** May cause sensitization from prolonged skin contact.

**ECO TOXICITY:**

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

**TOXIC:** Toxic to the soil environment.  
**TOXIC:** Toxic to terrestrial vertebrates.  
**DO NOT ALLOW SPRAY DRIFT TO OCCUR OUTSIDE THE TARGET AREA.**

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.**  
 Wash splashes of concentrate from eyes or skin immediately.  
 Avoid contact with the eyes.  
 When handling, wear eye protection, waterproof gloves, boots and overalls.  
 Remove protective clothing and wash hands and face thoroughly before meals and after work.  
 Wash protective clothing after use.  
 Do not eat, drink or smoke while using.  
 Do not carry on a passenger service vehicle.

**STORAGE:**

Store in the original container tightly closed away from foodstuffs.  
 Avoid storage at temperatures below 5°C and above 35°C.  
 Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.

**DISPOSAL:**

Triple rinse empty container and add rinseate to the spray tank.  
 Recycle empty container. Otherwise crush and bury empty container in a suitable landfill. DO NOT use for any other purpose.  
 Avoid contamination of any water supply with chemical or empty container.

**SPILLAGE:**

Wear appropriate protective clothing and prevent material from entering waterways. Contain the spill by damming, recover spill product by absorbing with sawdust or an inert absorbent material then transfer the recovered spill material to a properly labelled container. Dispose of waste safely in an approved landfill or other approved facility.

**FIRST AID:** If swallowed do NOT induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. Do not rub the skin. If inhaled, immediately move to fresh air and rest. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately.

**TRANSPORT:** Do not carry this product on a passenger service vehicle.  
**RECORD KEEPING:** Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 or more litres of BRAVE is used within 24 hours.

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.  
**GENERAL INFORMATION:** BRAVE is a protectant fungicide that will provide effective control of fungus diseases on a wide range of vegetable, fruit, ornamental crops, turf and wheat. BRAVE can be used effectively through high volume, low volume or aircraft spray equipment. BRAVE must be used only as directed on this label.

**MIXING:** Shake the container well before use. For large containers, roll and invert several times to ensure uniform re-suspension of the contents. Add two thirds of the required quantity of water to the spray tank. With the agitation system running, add the required amount of BRAVE to the spray tank. Agitate for 3-5 minutes adding the remaining water. Continue to agitate while spraying or restarting after a stoppage.  
**COMPATIBILITY:** BRAVE is compatible with most commonly used insecticides and fungicides. Unless prior experience has shown the combination to be physically compatible and non-injurious to the crop, DO NOT combine with emulsifiable formulations, including oils, in the spray tank. DO NOT use with lime sulphur or Bordeaux mixture. BRAVE is compatible with streptomycin. When using add BRAVE to the spray tank, top up, then add the streptomycin containing product.

**WETTING AGENTS:** BRAVE is formulated with an effective wetting agent, and the addition of further surfactant is neither required, nor recommended except where suggested in the Directions for Use table.

**DIRECTIONS FOR USE:** It is an offence to use this product on animals.

**MANDATORY DIRECTIONS:**

As BRAVE contains minute quantities of HCB and DCB, compounds that can be taken up by grazing stock use unacceptable residues in meat and milk, it is a condition of registration that the following restrictions MUST be observed:  
 DO NOT graze treated crops.  
 DO NOT feed any part of treated crop to stock.  
 CULTIVATE treated areas thoroughly (ie not direct drilling or other minimum tillage techniques) before sowing pasture or any animal feed crop.

**MAXIMUM DOSAGE RATES:**

Wide dispersive application (aerial, boom, airblast): Apply a maximum of 2.5 litres of the product BRAVE /ha (1.8kg a.i. chlorothalolol /ha), 4 times / year with a spray interval of at least 7 days.  
 Non-wide dispersive application: Apply a maximum of 210ml of the product BRAVE/100 m<sup>2</sup> (151g a.i. chlorothalolol /100 m<sup>2</sup>), 4 times / year with a spray interval of at least 10 days.

Crop	Disease	Rate/100 litres of water	Rate/ha	Note
Barley	Stemphyllium Leaf Spot	210 ml	2.1 litres	Commence spraying at first appearance of disease after closing up and repeat at 14 to 28

Beans Butter, Green, Blue	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 Boyarberries, Blackberries, Loganberries	DryBerry, *Borlytis	210 to 245 ml	2.1 litres	Apply as a full season cover spray at 14 day intervals from bud burst onwards. When disease pressure is high reduce the interval to 7 to 10 days. Autumn applications are necessary to protect primocanes from infection.
Blockcurrants	Leaf Spot	210 ml	2.1 litres	Apply from bud burst onwards at 10 to 14 day intervals.
Brassicacs Collage, Cauliflowers, 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, Squashes	Downy Mildew, Powdery Mildew	175 to 210 ml	1.4 litres	Apply at seedling emergence and continue at 10 to 21 day intervals.
Grapes	Black Spot, Downy Mildew, Powdery Mildew, *Borlytis	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 canopy 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.
Potatoes	Early Blight, Late Blight	140 ml	1.1 litres	Apply at 7 to 14 day intervals or as needed to maintain disease control.
Pigfruit 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.

\*Borlytis: BRAVE applied as a full season cover spray will prevent Borlytis. However, during periods of high risk (wet, humid weather) use a specific Borlytis fungicide.

**WITHHOLDING PERIODS:**

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

- Beans (broad, butter, green, pole): 7 days.
- Berryfruit (boysenberries, blackberries, loganberries): 7 days.
- Blockcurrants: 7 days.
- Brassicacs (collage, cauliflower, broccoli, brussel sprouts): 7 days.
- Celery: 7 days.
- Cucurbits (cucumbers, melons, squashes): 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 apply after shuckfall.
- Wheat: 56 days.

**CONDITIONS OF SALE:** The use of BRAVE being beyond the control of the suppliers, no Warranty expressed or implied is given by Global Agrichem Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not, and Global Agrichem Ltd accept no responsibility whatsoever resulting from the use of this product.

Registered pursuant to the ACVM Act 1997, P9195. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions. Approved under the HSNO Act 1996, HSR101015. See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.

**REGISTERED PROPRIETOR:**

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