

TOXIC, CORROSIVE, ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



Barrachlor⁷²⁰®

FUNGICIDE

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

**A broad spectrum fungicide for controlling a range of
fungal diseases of fruit, selected vegetables,
ornamental crops and turf**



PLEASE READ ENTIRE LABEL BEFORE MIXING OR APPLYING. STIR WELL BEFORE USE.

HAZARD CLASSIFICATION: 6.1B, 6.5B, 6.7B, 6.9A, 8.3A, 9.1A, 9.2C, 9.3B

APPROVED HANDLER: This product must be under the control of an approved handler or locked up. See MSDS for details.

RECORD KEEPING/TRACKING: Records of use and tracking must be kept. See MSDS for details.

DANGER: May be fatal if swallowed, inhaled or absorbed through the skin. Corrosive - avoid contact with skin and eyes. May cause organ (kidney) damage from repeated oral exposure at high doses.

WARNING: May cause skin sensitisation from prolonged skin contact. Suspected of causing cancer.

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 skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin. If splashed in eyes, wash out immediately with water for at least 15 minutes.

PERSONAL PROTECTION: To prevent harm to human beings - A source of fresh, clean water for flushing eyes must be available in the treated area for seven days following application of Barrachlor 720 to plants. Workers must be informed, in a manner they can understand, that residues in the treated area may be highly irritating to their eyes. Care should be taken to keep the residue out of the eyes (e.g. refrain from rubbing eyes), if residue in eyes, immediately flush eyes with fresh, clean water. Instructions for use of a specialised eyewash facility must be available. Gloves should be worn at all times. Wear eye protection when handling the concentrate. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. DO NOT eat, drink or smoke while using.

ECOTOXIC: Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to the soil environment and toxic to terrestrial vertebrates.

STORAGE: Store at ambient temperature not higher than 25°C. Store in original container, tightly closed, under lock and key, away from foodstuffs.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS available from Zelam Ltd or www.zelam.com.

Approved pursuant to the HSNQ Act 1996, No HSR101015. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P005947. See www.foodsafety.govt.nz for registration conditions.

DIRECTIONS FOR USE

It is an offence to use this product on animals

CROP	DISEASES	RATE	DIRECTIONS FOR USE
ASPARAGUS	Stemphium leaf spot	2.1 litres/ha 210 ml/100 litres	Commence spraying at first appearance of disease after closing up and repeat at 14 - 21 day intervals to maintain disease until ferns brown off. Use the shorter spray interval when disease pressure is high. Ensure good plant coverage.
BEANS Butter, Green, Pole	Rust	1.4 litres/ha 175 - 210 ml/100 litres	Apply at seedling emergence and then at 10 - 21 day intervals.
BEANS Broad	Rust	2.1 litres/ha 210 - 245 ml/100 litres	Apply at first appearance of foliar infection and repeat at 10-21 day intervals or as needed to maintain disease control.
BLACKCURRANTS	Leaf spot	2.1 litres/ha 210 ml/100 litres	Apply from bud burst onwards at 10 - 14 day intervals.
BERRIES Boysenberries, Blackberries, loganberries	Botrytis*, Dryberry	2.1 litres/ha 210 - 245 ml/100 litres	Apply from bud burst every 14 days, reduce to 7 - 10 day intervals.
CELERY	Septoria leaf spot	2.1 litres/ha 210 - 245 ml/100 litres	Apply as a full season cover spray from immediately post-planting at 7 - 10 day intervals.
CURCUBITS	Downy & powdery mildew	1.4 litres/ha 175 - 210 ml/100 litres	Apply at seedling emergence, then at 10 - 21 day intervals.
GRAPES	Blackspot, Botrytis*, Downy & Powdery mildew	2.1 litres/ha 210 - 245 ml/100 litres	Apply as a full season cover spray at 10 - 14 day intervals. In high disease pressure reduce spray intervals to 7 - 10 days. Do not use on table grapes as russet may occur. Use on wine grapes, especially on white varieties, after the start of flowering may result in fruit russet.
LETTUCE	Ringspot	2.1 litres/ha 210 - 245 ml/100 litres	Apply at seedling emergence, continue at 7 - 10 day intervals throughout the growing period.
ORNAMENTALS	Blackspot, Botrytis, downy mildew, flower blight & powdery mildew	1.75 - 2.10 litres/ha 175 - 210 ml/100 litres	Apply from the commencement of new growth at 10 - 21 day intervals. Do not spray when flower buds are showing petal colour as bloom damage may occur.
POTATOES	Early & late blight	1.1 litres/ha 140 ml/100 litres	Apply at 7 - 14 day intervals or as needed to maintain disease control.
STONEFRUIT	Leaf curl, blossom blight, rust, brownrot	1.60 - 2.10 litres/ha 160 - 210 ml/100 litres	Apply at pre-bud swell. Repeat applications from pink to shuck fall at 7 - 14 day intervals. Apply from pink to shuck fall at 7 - 14 day intervals.
STAWBERRIES	Alternaria leaf spot, Botrytis*	2.1 litres/ha 210 - 245 ml/100 litres	Apply from bud burst at 14 day intervals. In severe infection pressure reduce to 7 - 10 day intervals.
TOMATOES	Botrytis*, early & late blight	2.1 litres/ha 210 - 245 ml/100 litres	Apply at planting out, then at 10 - 14 day intervals until harvest.
VEGETABLE BRASSICAS	Downy mildew, ring spot	1.4 litres/ha 175 - 210 ml/100 litres	Apply at seedling emergence, continue at 10 - 21 day intervals. Use the high rate for ring spot control.

*Botrytis - NOTE: Barrachlor 720 applied as a full season spray will prevent Botrytis, however, during high risk periods (ie. wet, humid weather), use a specific Botrytis fungicide.

MIXING: Pour the correct amount of Barrachlor 720 into the partly filled tank and while agitating add the remainder of the water.

REMEMBER: Before each use, shake container vigorously by complete inversion several times.

COMPATIBILITY: Barrachlor 720 is compatible with most commonly used pesticides except some highly alkaline materials such as Bordeaux mixtures or lime sulphur.

Maximum application rates.

The person in charge of the application of this substance and any person applying this substance must ensure the application is carried out in accordance with the following application restrictions:

For wide-dispersive application methods (aerial, boom, airblast spraying): This substance must not be applied at rates exceeding 2.5L product/ha (equivalent to 1.8kg chlorothalonil/ha), must not be applied more than 4 times per year and an interval of at least 7 days between applications must be observed.

For non wide-dispersive application methods: This substance must not be applied at rates exceeding 210mL product/100m² (equivalent to 151g chlorothalonil/100m²), must not be applied more than 4 times per year and an interval of at least 10 days between applications must be observed.

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

WITHHOLDING PERIODS: Beans, blackberries, blackcurrants, boysenberries, brassicas, celery, loganberries, outdoor tomatoes, potatoes - 7 days; Curcubits, strawberries - 1 day, Stonefruit - Do not apply after shuck fall; Grapes - 28 days; Lettuce - 10 days.

FOR CONTROL OF DISEASES OF TURF AND COTULA

DISEASE	USE RATES ml/100 square metres
Dollar spot	70 - 140
Leaf spot / melting out	70 - 140
Brown patch	70 - 140
Red thread	100 - 200
Anthraxnose	100 - 200
Fusarium patch	100 - 200

DIRECTIONS: Spray in sufficient water to thoroughly wet the foliage (7.5 - 10 litres/100 square metres). Use the low rate as a preventative and a high rate as a curative. Under conditions of high disease pressure repeat at 10 - 14 day intervals. As the surface of disease turf may be hard to wet especially where thatch is present, the addition of a wetting agent may be necessary to ensure adequate penetration and control of residual infection sources.

MUST NOT BE USED ON AREAS TO BE GRAZED

MANDATORY DIRECTIONS: As Barrachlor 720 contains minute particles of HCB, a compound that can be taken up by grazing stock to give unacceptable residues in meat and milk, the following restrictions to the use of the product must be observed: DO NOT graze treated crops. DO NOT feed any part of a treated crop to stock. CULTIVATE treated areas thoroughly (ie. not direct drilling or other minimum tillage techniques) before sowing pastures or any animal feed crop.

RESISTANCE STATEMENT: [GROUP M5 FUNGICIDE] Barrachlor 720 contains a fungicide from the chloronitrile group with the multi-site contact of mode of action. Despite having a low risk, naturally occurring strains of disease causing fungi resistant to Barrachlor and other chlorothalonil based products could exist or develop. These resistant strains may dominate when this and other chlorothalonil based fungicides are used excessively. To minimise this risk use strictly in accordance with label instructions and resistance management strategies that may exist for particular diseases on this label. For further information see www.resistance.nzpps.org

NOTICE TO BUYER: The manufacturers and vendors of Barrachlor 720 warrant the formulation to contain the specified active ingredient within accepted tolerance when packed but make no warranty of any kind on the use of this material and accept no responsibility for results, whether the material has been used in accordance with directions or not.

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