

# DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

# CRACKEN 500 SC

FUNGICIDE

ACTIVE INGREDIENT: 500 g/litre CARBENDAZIM in the  
form of a suspension concentrate

GROUP **1** FUNGICIDE

A broad spectrum fungicide for control of a range of diseases of grass seed and selected fruit, vegetable and cereal crops and for control of the causal organism (*Pithomyces chartarum*) of facial eczema.



Registered pursuant to the ACVM Act 1997, No. P010426

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSN0 Act 1996, Approval No. HSR000453

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

NET CONTENTS: 10L

Registrant:

**Kenso Corporation (M) Sdn Bhd**

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NZ Agent:

**Kenso NZ Limited**

2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand.

Ph: 0800 536 766

# CRACKEN 500 SC FUNGICIDE

## PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of a Certified Handler or an appropriately trained and experienced person during storage, use and disposal. For guidance refer to the requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 & 4.6 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.

## HAZARD CLASSIFICATION

Germ cell mutagenicity Category 1, Reproductive toxicity Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

## DANGER

May cause genetic defects. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

## ECOTOXIC

Very toxic to aquatic organisms and with long-lasting effects. Toxic to the soil environment. Avoid contamination of any water supply with product or empty container. 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.

## HANDLING PRECAUTIONS

### STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, insecticide, fungicides and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 L or more are subject to requirements for signage, secondary containment and emergency response plan.

### DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, submit empty containers to a local authority approved waste receipt facility. DO NOT reuse this container for any other purpose.

## FIRST AID

If swallowed do NOT induce vomiting. If splashed in eyes, hold eyelids apart and flush the eye continuously with running water. Continue until advised to stop by the National Poisons Centre, or for at least 15 minutes. If skin and hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Call National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately for advice.

## SAFETY DATA SHEET

A Safety Data Sheet is available from Kenso NZ website [www.kenso.co.nz](http://www.kenso.co.nz)

## CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. 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 responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



**EMERGENCY RESPONSE**  
Ring 0800 CHEMCALL, or  
0800 243 622 (24 hours)

Product of China



Batch No.:  
Date of Manufacture:

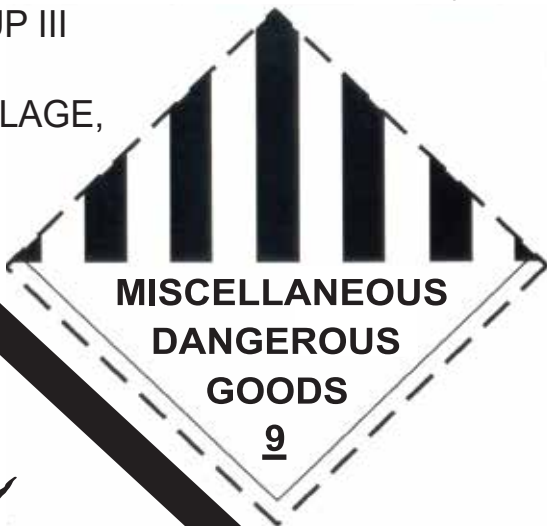
UN NO: 3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (CONTAINS CARBENDAZIM)

PACKING GROUP III

HAZCHEM 2X

CONTAINS SPILLAGE,  
CLASS 9



In a  
transport  
emergency dial  
111, Police or Fire  
Service. For specialist  
advice in emergency only,  
call 0800 243 622 (24 hours)

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Auckland 0620 New Zealand  
Phone: 0800 536 766

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## HANDLING PRECAUTIONS

### STORAGE

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## EMERGENCY RESPONSE

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## ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(CONTAINS CARBENDAZIM)

PACKING GROUP III, HAZCHEM 2X

CONTAINS SPILLAGE, CLASS 9

In a transport emergency dial 111,  
Police or Fire Service.

For specialist advice in emergency only,  
call 0800 243 622 (24 hours)

## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, submit empty containers to a local authority approved waste receival facility. DO NOT reuse this container for any other purpose.

## PERSONAL PROTECTION

Avoid contact with skin and eyes and avoid inhalation of spray mist. May be harmful if swallowed, inhaled or absorbed through skin. Wear protective clothing including chemical resistant: coveralls, gloves, eye and face protection footwear and respiratory protection (organic vapour minimum specification) when handling concentrates, mixing or applying. Remove protective clothing and wash hands and face thoroughly before meals and after work.

## RECORD KEEPING

Records of use as described in the current version of NZS 8409 Management of Agrichemicals must be kept if 3 L or more of the substance is applied in a place where the substance is likely to enter air or water and leave the place.

## SPILLAGE

Wear protective clothing as specified above. Prevent the product or spilled material from entering waterways. Absorb spills with inert material such as earth, clay or sand and place in sealable waste containers. Wash area with detergent and water and absorb with further inert material. Dispose of recovered product and contaminated material in an approved hazardous substances waste management facility or local authority transfer facility capable of hazardous waste disposal.

## FIRST AID

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**DIRECTIONS FOR USE**

Crop	Diseases	Rate	Critical Comments
Apples	Black Spot	25ml/100 litres to the point of run-off	Confine use to the period from 2nd cover to preharvest, when infection pressure is high. Apply only in mixture with suitable protectant fungicides such as Cracken 500 SC Fungicide. Do not apply more than two times in any growing season.
Beans	Botrytis	2 litres/ha in 600-1000 litres of water/ha	Apply in a programme with alternative fungicides. Use no more than two applications per season.
	Sclerotinia	As above	Apply during the early season period immediately after transplanting or seed emergence. Use no more than two applications per season.
Citrus	Blue Mould	50ml/100 litres Drip mixture to the point of run-off	Resistance is widespread. Use only in regions where control of Blue Mould is still effective. Dip fruit after harvest for 30 seconds in the mixture.
Field Tomatoes	Botrytis	2 litres/ha in 600-1000 litres of water/ha	Apply in a programme with alternative fungicides. Use no more than two applications per season.
	Sclerotinia	As above	Apply during the early season period immediately after transplanting or seed emergence. Use no more than two applications per season.
Kumara	Scurf	250 mL/50 litres water	Immerse plants for 3 minutes prior to setting out in the field.
Lettuce	Sclerotinia	2 litres/ha in 600-1000 litres of water/ha	Apply during the early season period immediately after transplanting or seed emergence. Use no more than two applications per season.
Maize	Head Smut	100ml/800ml water	To treat 45kg of seed, mix with 100g Captan (80%) to form a slurry.
Onions	Botrytis	500ml/ha in 400-600 litres of water	Apply at 'flag stage' and 14-21 days later. Treat again 30 days before harvest with a further application 10-14 days later if infection persists. Apply in a programme with alternative Botryticides. Use no more than 4 applications per season.
	Smut (seed treatment)	100ml/400g of seed	Wet onion seed with methyl cellulose adhesive – 25g/500ml water, using 20ml/3kg of seed. Add Cracken 500 SC Fungicide and shake thoroughly to ensure complete coverage.
Pasture (grass)	Casual organism (Pithomyces chartarum) of Facial eczema	300ml in 100 – 400 litres of water/ha	Ensure complete coverage of all areas likely to be grazed, e.g. under and through fences, hedges and trees. Add a surfactant. Protection normally lasts for up to 6 weeks, where possible pastures should be treated in anticipation of danger. In early February treat enough pasture for 14 days grazed, then treat further areas as required so stock will graze 7-10 after spraying. If heavy rain occurs within 3 days of treatment, pasture should be re-sprayed. During danger periods limit stock to treated areas. In an emergency situation stock may graze pasture sprayed at least 24 hours earlier and obtain worthwhile protection.
Ryegrass seed Crops	Blind seed disease	500ml in 200 Litres water/ha	Apply in 10-14 days after flowering to reduce secondary infection. Under moist, cool or irrigated conditions, and in paddocks with a persistent blind seed problem, a second application may be needed.
Stonefruit	Peach Scab Brown Rot	25-50ml/100 litres to the point of run-off	Apply during the blossom period only. Do not exceed two applications per growing season. Use the high rate when disease pressure is severe.
Wheat & Barley	Eyespot	300-500ml/ha in 200 litres of water	Apply only in second year crop. If control was below expectation use an alternative product in third year crop. Do not apply to more than two consecutive crops. Use the higher rate when leaf sheaths have lengthened (Feekees GS5). Use the lower rate when the crop is at the short blade stage (Feekees GS7-8).
Barley	Scald	300-500ml/ha in 400-600 litres of water	For combined eyespot and scald control, apply according to eye spot recommendation. For scald control apply the high rate at the first sign of disease. Apply no more than two applications per season.

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.

It is an offence to use this product on animals.

**WITHHOLDING PERIOD**

Stonefruit - Do not use after petal fall

Apples - 7 days Beans - 14 days Tomatoes - 3 days Lettuce - 21 days Onions - 14 days

Wheat & Barley - 60 days

Ryegrass Seed Crop - Allow 14 days between last application and harvest (cutting) Allow 35 days between last application and introduction of stock for grazing.

**MIXING**

Stir or shake well before use. Pour the correct amount of Cracken 500 SC Fungicide into the partly filled tank and while agitating add the remainder of the water. The addition of a suitable non-ionic surfactant is recommended when spraying hard-to-wet plants.

**COMPATIBILITY**

Cracken 500 SC Fungicide is compatible with most common pesticides except some highly alkaline materials such as Bordeaux mixtures or lime sulphur.

**APPLICATION**

As a general rule, use no more than 2 applications per season. In case of Pipfruit, apply only in mix with a non benzimidazole fungicide.

**ALTERNATION**

To limit resistance build-up, alternate with a non benzimidazole fungicide.

**RESISTANCE MANAGEMENT** **GROUP 1 HERBICIDE**

Cracken 500 SC Fungicide contains carbendazim, a benzimidazole (MBC) group fungicide. Naturally occurring strains of disease causing fungi resistant to this and other group 1 fungicides are known to exist and more could develop from over use of this and other related group 1 fungicides. To minimise this risk use Protek strictly in accordance with the label instructions and follow any resistance management strategies that may exist for any disease on this label. See [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

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