

ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

PRO **TEK**™

FUNGICIDE

Contains: 500g/litre Carbendazim in the form of a suspension concentrate

**A broad spectrum systemic fungicide active for
controlling a range of diseases of grass seed and
selected fruit, vegetable and cereal crops**



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

HAZARD CLASSIFICATIONS: 6.5B, 6.6A, 6.8A, 6.9B, 9.1A, 9.2B

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

RECORD KEEPING: Records of use must be kept. See MSDS for details.

DANGER: May cause heritable mutations/genetic defects in human cells. May cause reproductive/developmental damage from repeated oral exposure at high doses.

WARNING: May be harmful if swallowed. May cause organ damage from repeated oral exposure at high doses. May cause skin sensitisation from prolonged skin contact. Avoid contact with skin.

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. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

PERSONAL PROTECTION: Avoid contact with skin or inhalation of spray mist. Gloves should be worn at all times. Wear eye protection when handling the concentrate. Ensure adequate ventilation 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 this product.

ECOTOXIC: Very toxic to aquatic organisms with longlasting effects. Avoid contamination of any water supply with product or empty container. Toxic to the soil environment.

STORAGE: Store in original container, tightly closed, away from foodstuffs.

DISPOSAL: Triple rinse container and add rinsate to spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury at 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 HSN Act 1996, No HSR000464. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P004876 See www.foodsafety.govt.nz for registration conditions.

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

CROP	DISEASE	RATES	CRITICAL COMMENTS
APPLES	Blackspot	25 ml/100 litres water	Apply in combination with a non-benzimidazole fungicide. Confine use to the period from second cover to pre-harvest when infection pressure is high.
BEANS	Botrytis, Sclerotinia	2 litres in 700-1000 litres water/ha	Apply during the early season period immediately after emergence. For sclerotinia, apply a maximum of 2 applications/crop. For botrytis, make 1 application only and use in a programme with alternative botryticides of different chemical groups.
BARLEY	Scald	300-500 ml in 200 litres water/ha	For combined eyespot and scald control use as for eyespot above. For scald control apply the high rate at the first sign of disease.
BARLEY/WHEAT	Eyespot	300-500 ml in 200 litres water/ha	To prevent build up of resistant strains of eyespot, DO NOT apply on cereal crops in the same paddock for more than 2 consecutive seasons. Apply 300ml rate at Feekes G.S. 7-8 & 500ml rate at Feekes G.S.5.
CITRUS	Blue mould	50 ml/100 litres water	Dip fruit in mixture for about 30 seconds. Resistance is widespread. Use only in regions where control of blue mould is still effective.
	Melanose, Verrucosis	25 ml/100 litres water	Make one application pre-bloom and another immediately post bloom. If conditions are wet over summer use alternative protective fungicides.
CURCUBITS	Powdery mildew	300-500 ml/1000 litres water/ha	Apply on a regular schedule throughout the season.
GRAPES	Botrytis	50 ml/100 litres water	Resistance management: Use only 1 application per season in a programme with alternative fungicides registered for this use.
KIWIFRUIT	Sclerotinia	50 ml/100 litres water 1 litre/ha	One application during full bloom. DO NOT apply after petal fall.
KUMERA	Scurf	250 ml/50 litres water	Immerse plants for 3 minutes prior to setting out in the field.
LETTUCE	Sclerotinia	2 litres in 600-1000 litres water/ha	Apply soon after transplanting or emergence of direct seeded crops.
MAIZE	Head Smut	100 ml/800 litres water	To treat 45kg of seed, mix with 100g Captan (80%) to form a slurry.
ONIONS	Botrytis	500 ml/ha in 400-600 litres water	Apply at 'flag stage' and again 14-21 days later. Treat again 30 days before harvest with a further application 10-14 days later if infection persists. Apply no more than 2 applications per season, and use in a programme with alternative botryticides of different chemical groups.
	Smut (seed treatment)	100 ml/400g of seed	Wet onion seed with methyl cellulose adhesive - 25g/500ml water, using 20ml/3kg of seed. Add the Protek and shake thoroughly to ensure complete coverage.
RASPBERRIES BRAMBLES	Botrytis, cane spot	50 ml/100 litres water	Apply 10-14 days after early 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.
RYEGRASS SEED CROPS	Blind seed disease	500 ml in 200 litres water/ha	Apply 10-14 days after early 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	Brown rot, Peach scab	25-50 ml/100 litres water	Apply during blossom period only. When disease pressure is severe, use the higher rate.
STRAWBERRIES	Botrytis, leaf spot	500 ml/1000 litres water/ha	Resistance management: Use no more than one application per season, in a programme with alternative fungicides registered for this use.
TOMATOES: Field	Sclerotinia	2 litres in 700-1100 litres water/ha	Begin applications soon after transplanting or seedling emergence.
TOMATOES: Glasshouse	Botrytis fruit rot	50 ml/100 litres water	Begin application when first flowers appear.

REMEMBER: Settling of this product may occur over time. Stir or shake well before use.

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

COMPATIBILITY: Protek 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 buildup, alternate with a non benzimidazole fungicide.

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

WITHHOLDING PERIODS: Stonefruit - DO NOT use after start of petal fall, Apples - 7 days, Cucurbits - 7 days, Grapes - 7 days, Raspberries, brambles, strawberries - 1 day, Lettuce - 21 days, Beans - 14 days, Field & Glasshouse Tomatoes - 3 days, Wheat & Barley - 60 days, Onions - 14 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.

RESISTANCE MANAGEMENT: **GROUP 1 FUNGICIDE** Protek 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

NOTICE TO BUYER: The manufacturer and vendors of Protek warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

EMERGENCY PHONE: 0800 CHEMCALL 0800 243 6225

REGISTERED TO: Tapuae Partnership, Hudson Rd, New Plymouth, NZ

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