

**ECOTOXIC**

**KEEP OUT OF REACH OF CHILDREN**

**zelam**

**PROTEK™**

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

**F U N G I C I D E**

**NET CONTENTS: 5 LITRES**

™ Trademark of Tapuae Partnership, NZ.

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

**ACTIVE INGREDIENT:** Contains 500g/litre carbendazim in the form of a suspension concentrate.

**APPROVED HANDLER:** This product must be under the control of an approved handler during use. See MSDS for full details.

**RECORD KEEPING:** Records of use must be kept under certain circumstances. See MSDS for full 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, inhaled or absorbed through the skin. 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:** Toxic to aquatic organisms with longlasting effects. Avoid contamination of any water supply with product or empty container.

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

**SHELF LIFE:** When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**DISPOSAL:** For containers of 20 litres or less, triple rinse container and add residue 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. Avoid contamination of any water supply with product or empty container.

**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the MSDS available from Zelman Limited or www.zelman.com

**ERMA NEW ZEALAND:** Additional information is available from the ERMA NZ website - www.ermanz.govt.nz. Approval Code: HSR000464.

**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.

CROP	DISEASE	RATE	DIRECTIONS FOR USE
APPLES	Blackspot	25ml/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 per crop. For botrytis, make 1 application only and use in a programme with alternative botryticides of different chemical groups.
BARLEY/WHEAT	Eyespot	300-500ml 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.
BARLEY	Scald	300-500ml 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.
CITRUS	Blue mould	50ml/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	25ml/100 litres water	Make one application pre-bloom and another immediately post bloom. If conditions are wet over summer use alternative protective fungicides.
CUCURBITS	Powdery mildew	300-500ml/1000 litres water/ha	Apply on a regular schedule throughout the season.
GRAPES	Botrytis	50ml/100 litres water	<b>Resistance management:</b> Use only 1 application per season in a programme with alternative fungicides registered for this use.
KIWIFRUIT	Sclerotinia	50ml/100 litres water. 1 litre/ha	One application during full bloom. DO NOT apply after petal fall.
KUMARA	Scurf	250ml/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	100ml/800 litres water	To treat 45kg of seed, mix with 100g Captan (80%) to form a slurry.
ONIONS	Botrytis	500ml/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)	100ml/400g of seed	Wet onion seed with methyl cellulose adhesive - 25g/500ml water, using 20ml/3kg of seed. Add the <b>Protek™</b> and shake thoroughly to ensure complete coverage.
RASPBERRIES, BRAMBLES	Botrytis, cane spot	50ml/100 litres water	<b>Resistance management:</b> Use no more than one application per season, in a programme with alternative fungicides registered for this use.
RYEGRASS SEED CROPS	Blind seed disease	500ml/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.
STRAWBERRIES	Botrytis, leaf spot (Mycosphaerella)	500ml/1000 litres water/ha	<b>Resistance management:</b> Use no more than one application per season, in a programme with alternative fungicides registered for this use.
STONEFRUIT	Brown rot, peach scab	25-50ml/100 litres water	Apply during blossom period only. When disease pressure is severe, use the higher rate.
TOMATOES Field	Sclerotinia	2 litres in 700-1100 litres water/ha	Begin applications soon after transplanting or seedling emergence.
Glasshouse	Botrytis fruit rot	50ml/100 litres water	Begin application when first flowers appear.

**RESISTANCE:** Resistance to this fungicide and related benzimidazole (MBC) fungicides has developed from repeated use in some disease situations. To help prevent further development of resistance, use strictly in accordance with label directions.

**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.

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

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

**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.

**REGISTERED TO:** Tapuae Partnership, Hudson Road,

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BATCH NO:

D.O.M:

