

ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

Defence[®]

500

FUNGICIDE

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

To control of a wide range of fungal diseases in many fruit crops, asparagus, glasshouse tomatoes, ornamentals and fine turf



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

HAZARD CLASSIFICATION: 6.5B, 6.9B, 9.1A

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

RECORD KEEPING: Records of use must be kept under certain circumstances - see MSDS for details

WARNING: May cause skin sensitisation from prolonged skin contact. Avoid skin contact. May cause organ damage from repeated oral exposure at high doses.

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: Warning - very toxic to aquatic organisms. Avoid contamination of any water supply with the product or empty container.

STORAGE: Store in original container, tightly closed, away from foodstuffs. Keep out of reach of children.

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 Limited or www.zelam.com.

Approved pursuant to the HSNO Act 1996, No: HSR100975. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No: P005807. See www.foodsafety.govt.nz for registration conditions.

DIRECTIONS FOR USE

It is an offence to use this product on animals.

The rates suggested are for high volume spraying to run-off. For concentrated spraying, adjust rate accordingly.

CROP	DISEASES	RATES	DIRECTIONS
ASPARAGUS	Stemphylium needle blight	1.5 litres /hectare as a maximum rate.	Apply between close-up and the end of February at the first appearance of disease. Repeat on a 21 - 28 day schedule. Use the shorter interval period during periods of high disease pressure.
BERRYFRUIT	Botrytis	100 ml/100 litres water or maximum of 1 litre/ha	Apply in a programme with alternative products on a 7 - 10 day schedule from the start of flowering. Reserve use for when infection pressure is high, particularly in the pre-harvest period. DO NOT use on rabbiteye blueberry cultivars.
FLOWERS/ ORNAMENTALS	Botrytis, stemphylium, alternaria, sclerotinia	100 - 150 ml /100 litres water or maximum 1.5 litres/ha	Apply at 10 - 14 day intervals especially when disease pressure is high. Use the higher rate during periods of severe disease pressure.
GRAPES	Botrytis	75 - 100 ml /100 litres water or a maximum of 1 litre/ha	Apply no more than twice in the period from veraison to harvest. Use the higher rate under conditions of severe disease pressure. Use non-dicarboximide fungicides for the rest of the season. Use a minimum of 750 ml/ha bunchline or 1 litre/ha canopy spraying.
KIWIFRUIT	Botrytis and sclerotinia fruit rots	75 ml/100 litres water or a maximum of 1.5 litres/ha	SCLEROTINIA: Apply at flowering and again in January if required. BOTRYTIS: Use rates as for sclerotinia and apply one day before harvest to reduce losses from botrytis storage rot. NOTE: Applications at flowering for sclerotinia control will also suppress botrytis. DO NOT make more than two applications in any one season.
STONEFRUIT	Brownrot	75 ml/100 litres water or a maximum of 1.5 litres/ha	Apply 2 - 3 sprays at 7 - 10 day intervals in the four week period prior to harvest (more frequent applications are required after heavy rainfall). Use alternative non-dicarboximide fungicide for the rest of the season.
TANGELOS	Alternaria leaf spot	100 ml/100 litre water or a maximum of 1 litre/ha	Begin applications when harvest is completed. Apply in a 21 - 28 day programme from the start of flowering and alternate with other products. Use the shorter interval during periods of high disease pressure.
TOMATOES Glasshouse	Botrytis	100 ml/100 litres water or a maximum of 1 litre/ha	Apply at 10 - 14 day intervals as an overall spray. Defence 500 may be mixed with fruit setting hormone and directed to flowers. Commence application when the second truss is in flower and use in a program with alternative.
Cotula and Fine Turf grasses	Fusarium, red thread, brown patch, dollarspot, helminthosporium leaf blight, curvularia leaf blight	50 - 100 ml/5 litres water/100 square metres, or a maximum of 10 litres/ha	Apply at 14 - 21 day intervals from the onset of disease or while conditions favour disease. Use the higher rate under conditions of severe disease pressure.

Post-harvest dipping of stone fruit for brown rot (Monilinia) control. Use 100ml per 100 litres of dip water and dip fruit for 30 seconds to one minute ensuring fruit are thoroughly wet. Top up the dip at the same dose periodically as required to maintain sufficient liquid to ensure complete coverage of all fruit. Replace the dip solution every seven days or if it becomes dirty.

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: Grapes, kiwifruit, berryfruits and stonefruit - 1 day; glasshouse tomatoes - 3 days; tangelos - 14 days.

COMPATIBILITY: May be tank mixed with commonly used fungicides and insecticides except highly alkaline materials. If unsure check compatibility before use.

RAINFALL: Rainfall within 6 hours following treatment may reduce effectiveness.

RESISTANCE MANAGEMENT: **GROUP 2 FUNGICIDE** Defence 500 contains a dicarboximide fungicide with the osmotic signal transduction inhibition mode of action. Naturally occurring resistant strains of disease causing fungi are known to exist and more could develop from over use of this and other related group 2 fungicides. To minimise this risk use Defence 500 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 Defence 500 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.

REGISTERED TO: Zelam Limited, Hudson Road,
New Plymouth, NZ.

Tel: 06-755-9234 Fax: 06-755-1174

EMERGENCY PHONE: 0800 CHEMCALL - 0800 243 6225