

ECOTOXIC, HARMFUL
KEEP OUT OF REACH OF CHILDREN



SPEARTEK™

FUNGICIDE

Contains: 250g/L Metalaxyl in the form of an emulsifiable concentrate

Systemic fungicide to control phytophthora rot in asparagus, late blight in potatoes, late blight and botrytis in outdoor tomatoes and downy mildew in onions and brassica seedbeds

20140930



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

HAZARD CLASSIFICATIONS: 6.1E, 6.3A, 6.4A, 6.5B, 6.8A, 6.9B, 9.1C

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

WARNING: May be harmful if swallowed, inhaled or absorbed through the skin. May cause irritation to eyes and skin or skin sensitisation from prolonged contact. May cause organ damage from repeated oral exposure at high doses. May cause reproductive/developmental 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: When handling, wear waterproof gloves, eye protection, overalls and boots. Wash protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

ECOTOXIC: Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.

STORAGE: Keep out of reach of children. Store in original container, tightly closed, 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 the label, or at a suitable landfill.

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

Approved pursuant to the **HSNO Act 1996**, No: HSR000664. See www.epa.govt.nz for approval conditions.

Registered pursuant to the **ACVM Act 1997**, No: P005413. See www.foodsafety.govt.nz for registration conditions.

DIRECTIONS FOR USE

It is an offence to use this product on animals

CROP	DISEASE	RATE	DIRECTIONS
Asparagus	Phytophthora rot	4.0 to 5.0 litres/ha	Apply to bare soil (cleared of weeds and rubbish) in early spring 3 - 4 weeks before spear emergence. Use the high rate if the disease was evident during the previous season. About 10mm of rain or irrigation is required to move the fungicide into the soil.
Brassica seedbeds	Downy mildew	6.5 ml Speartek plus 17g mancozeb (75%ai)/100 m2 of seedbed. Use adequate water to obtain complete coverage.	Make a maximum of three applications commencing as soon as most seedlings have emerged and repeat every ten days until transplanting. IMPORTANT: NO MORE THAN 3 APPLICATIONS OF SPEARTEK (OR ANY OTHER PHENYLAMIDE CONTAINING FUNGICIDE) SHOULD BE APPLIED TO A CROP. SPEARTEK ALSO MUST BE USED IN COMBINATION WITH MANCOZEB.
Onions	Downy mildew	640 ml Speartek plus either 1.7kg mancozeb (75%ai) or 1.7 litres Barrachlor (72% chlorothalonil)/ha in 500 to 700 litres of water/ha.	Make a maximum of three applications at 10 day intervals during the period of active growth when conditions of high humidity favour the disease. IMPORTANT: NO MORE THAN 3 APPLICATIONS OF SPEARTEK (OR ANY OTHER PHENYLAMIDE CONTAINING FUNGICIDE) SHOULD BE APPLIED TO A CROP. SPEARTEK SHOULD NOT BE USED ON ONION CROPS WHICH FOLLOW AN ONION CROP THAT HAS BEEN GROWN IN THE SAME FIELD IN THAT SEASON. SPEARTEK ALSO MUST BE USED IN COMBINATION WITH EITHER MANCOZEB OR CHLOROTHALONIL.
Potatoes	Late blight	800 ml Speartek plus either 2.1kg mancozeb (75%ai) or 1.1 litres Barrachlor (72% chlorothalonil)/ha in 500 to 750 litres of water/ha.	Apply when the crop has fully emerged but before any sign of disease and repeat at 10 to 14 day intervals. Use the closer interval when conditions favour the disease, especially during favourable growth conditions in the period prior to flowering. Apply when foliage is dry and no rain is expected for at least two hours. Do not apply following the completion of flowering as translocation is considerably reduced as haulms dry off. IMPORTANT: NO MORE THAN 3 APPLICATIONS OF SPEARTEK (OR ANY OTHER PHENYLAMIDE CONTAINING FUNGICIDE) SHOULD BE APPLIED TO A CROP. SPEARTEK SHOULD NOT BE USED ON POTATO CROPS WHICH FOLLOW A POTATO CROP THAT HAS BEEN GROWN IN THE SAME FIELD IN THAT SEASON. SPEARTEK ALSO MUST BE USED IN COMBINATION WITH EITHER MANCOZEB OR CHLOROTHALONIL.
Outdoor Tomatoes	Late blight	800 ml Speartek plus either 2.1Kg mancozeb (75%ai) or 2.1 litres Barrachlor (72% chlorothalonil)/ha in 500 to 750 litres of water/ha.	Make a maximum of three applications commencing before disease appears and repeat at 10 to 14 day intervals. Use the closer interval when conditions favour disease. Apply when foliage is dry and no rain is expected for at least two hours. For botrytis control during high risk periods (eg flowering) use a specific botrytis fungicide such as Pinnacle (50% fluazinam). IMPORTANT: NO MORE THAN 3 APPLICATIONS OF SPEARTEK (OR ANY OTHER PHENYLAMIDE CONTAINING FUNGICIDE) SHOULD BE APPLIED TO A CROP. SPEARTEK SHOULD NOT BE USED ON TOMATO CROPS WHICH FOLLOW A TOMATO CROP THAT HAS BEEN GROWN IN THE SAME FIELD IN THAT SEASON. SPEARTEK ALSO MUST BE USED IN COMBINATION WITH EITHER MANCOZEB OR CHLOROTHALONIL.
	Late blight and botrytis	800 ml Speartek plus 2.1litres Barrachlor (72% chlorothalonil)/ha in 500 to 750 litres of water/ha.	IMPORTANT: NO MORE THAN 3 APPLICATIONS OF SPEARTEK (OR ANY OTHER PHENYLAMIDE CONTAINING FUNGICIDE) SHOULD BE APPLIED TO A CROP. SPEARTEK SHOULD NOT BE USED ON TOMATO CROPS WHICH FOLLOW A TOMATO CROP THAT HAS BEEN GROWN IN THE SAME FIELD IN THAT SEASON. SPEARTEK ALSO MUST BE USED IN COMBINATION WITH EITHER MANCOZEB OR CHLOROTHALONIL.

COMPATIBILITY: Speartek is compatible with herbicides commonly used in asparagus and with fungicides and insecticides commonly used in potatoes, tomatoes and onions.

MIXING: When tank mixing with other products, first add wettable powders, water dispersible granules and flowables into a partly filled tank and agitate thoroughly. Then add the Speartek with the rest of the water while agitating. Continue agitation while filling, spraying and during any stoppages.

SURFACTANT: The addition of a suitable surfactant at label rates (eg Multifilm Extra at 25ml/100 Litres) is recommended with all foliar applications of Speartek.

APPLICATION: Use conventional aerial or ground spraying equipment to apply sufficient water to obtain complete coverage. For onions and potatoes this is expected to be between 300 and 750 litres/ha depending on crop stage.

RESISTANCE MANAGEMENT **GROUP 4 FUNGICIDE**

Speartek contains a fungicide from the phenylamide activity group with a RNA polymerase target site mode of action. Naturally occurring strains of disease causing fungi resistant to this and other group 4 fungicides may exist or develop. These resistant strains may dominate when Speartek or other related fungicides are used excessively. To minimise the risk of resistance use strictly in accordance with label instructions. Speartek must always be used in combination with a protectant fungicide such as mancozeb or chlorothalonil for disease control in onions, potatoes and tomatoes. Apply no more than three applications of Speartek in any single season.

See www.resistance.nzpps.org for further information about resistance management strategies that may exist for any disease causing organisms listed on this label.

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 PERIOD: Asparagus - 7 days; onions, potatoes, outdoor tomatoes - 14 days.

NOTICE TO BUYER: The manufacturer and vendors of Speartek 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.

BATCH NO:

D.O.M:

