

ECOTOXIC

KEEP OUT OF REACH OF CHILDREN



SPEARTEK™

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

F U N G I C I D E

NET CONTENTS: 5 LITRES

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Registered Pursuant to the ACVM Act 1997, No. P5413. See www.nzfsa.govt.nz/acvm/ for registration conditions

PLEASE READ THE ENTIRE LABEL BEFORE USE

ACTIVE INGREDIENT: Contains 250g/L metalaxyl in the form of an emulsifiable concentrate.

DANGER: 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 irritation to eyes and skin or skin sensitisation from prolonged 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: 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.

ECOTOXICITY: 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.

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, stream, etc.

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

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

Approval Code: HSR000664

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.

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	6.5ml Speartek plus 17g mancozeb (75%ai) /100 m ² 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	640ml Speartek plus either 1.7kg mancozeb (75%ai) or 1.7 litres Barrachlor (72% chlorothalonil) /ha in 500 to 700 litres 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	800ml Speartek plus either 2.1kg mancozeb (75%ai) or 1.1 litres Barrachlor (72% chlorothalonil) /ha in 500 to 750 litres 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 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	800ml Speartek plus either 2.1kg mancozeb (75%ai) or 2.1 litres Barrachlor (72% chlorothalonil) /ha in 500 to 750 litres 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 expected for at least two hours. For botrytis control during high risk periods (eg flowering) use a specific botrytis fungicide such as Pinnacle (50% fluzinazim). 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	800ml Speartek plus 2.1 litres Barrachlor (72% chlorothalonil) /ha in 500 to 750 litres water/ha.	

IMPORTANT - RESISTANCE MANAGEMENT:

Strains of fungus resistant to metalaxyl may develop resulting in a reduction in the efficacy of the product and thus in yield losses. 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. Apply no more than three applications of Speartek in any single season.**

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

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 separately through the filler screen with the filler running into a partly filled tank and agitate thoroughly. Then add the Speartek with the rest of the water while agitating.

SURFACTANT: The addition of a suitable surfactant at label rates (eg Multi-film 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.

MANDATORY DIRECTIONS: It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand Food Standards. It is an offence to use this product on animals.

BATCH NO:
Speartek

D.O.M:



REGISTERED TO: Tapuae Partnership, Hudson Rd, New Plymouth, NZ.
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EMERGENCY PHONE: 0800 CHEMCALL - 0800 243 6225