

orion AGRISCIENCE

HARMFUL | ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

PhytospearTM

FUNGICIDE

A systemic fungicide for the control of certain diseases in ASPARAGUS, BRASSICA SEEDBEDS, POTATOES and OUTDOOR TOMATOES.

Active Ingredient:

250 g/litre metalaxyl in the form of an emulsifiable concentrate.



9 421004 531566

20 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE

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

WARNING: TOXIC, ECOTOXIC

May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. May cause sensitisation from prolonged skin contact. May cause organ damage following ingestion at high doses. Harmful to aquatic organisms.

PRECAUTIONS

STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

PERSONAL PROTECTION: Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear overalls, chemical resistant boots and gloves, and eye protection. Clean 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.

USE: Apply with well maintained and calibrated spray equipment.

DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Do not allow spray drift outside the target area to occur.

First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz.

GENERAL INFORMATION

Phytospear is a systemic fungicide for the control of phytophthora spear rot in asparagus, downy mildew in brassica seedbeds and onions, and late blight in potatoes and outdoor tomatoes.

It is an offence to use this product on animals

APPLICATION METHODS

Apply Phytospear to soil free of weeds and trash as an annual broadcast application. Use conventional aerial or ground spraying equipment.

COMPATIBILITY

Phytospear is compatible with herbicides most commonly used in asparagus crops.

WITHHOLDING PERIOD

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Asparagus	7 days
Onion	14 days
Potatoes	14 days
Outdoor Tomatoes	14 days

RESISTANCE MANAGEMENT

GROUP 4 FUNGICIDE

Phytospear is a member of the phenylamide group of fungicides. Resistance to this and other phenylamide fungicides can develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Phytospear must always be used in combination with a protectant fungicide such as mancozeb for disease control in brassica seedbeds, onions, potatoes and tomatoes. Apply no more than three applications of Phytospear in any single season. Consult <http://resistance.nzps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops and/or diseases listed on the label.

DIRECTIONS FOR USE

CROP	DISEASE CONTROLLED	RATE	CRITICAL COMMENTS
Asparagus	Phytophthora spear rot	4 – 5 litres/ Ha	Make one application in early spring one week before spear emergence. Apply in sufficient water to obtain good coverage. Use the higher rate if the disease occurred during the previous spring. Approximately 10mm of rain or irrigation is needed to move Phytospear into the soil.
Brassica seedbeds	Downy mildew	6.5mL/100m2 of seedbed + 17g/100m2 of Manco™ 75WG (75% Mancozeb)	Make first application as soon as most seedlings have emerged and repeat every 10 days until transplanting. Apply in sufficient water to achieve complete coverage. Note: No more than 3 applications of Phytospear (or any other phenylamide containing fungicide) should be applied to the crop. Phytospear MUST be used in combination with Mancozeb.
Onions	Downy mildew	640mL/ha + 1.7kg/ha of Manco 75WG (75% Mancozeb) In 500-700L of water/ha	Make a maximum of 3 applications at 10 day intervals during the period of active growth when conditions of high humidity favour the disease. Note: No more than 3 applications of Phytospear (or any other phenylamide containing fungicide) should be applied to the crop. Phytospear should not be used on onion crops which follow an onion crop that has been growing in the same field that season. Phytospear MUST be used in combination with Mancozeb.
Potatoes, outdoor tomatoes	Late blight	800mL/ha + 2.1kg/ha of Manco 75WG (75% Mancozeb) In 500-700L of water/ha	Apply when the crop is fully emerged but before any sign of disease and repeat at 10-14 day intervals. Use closer intervals 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 2 hours. Do not apply after flowering. Note: No more than 3 applications of Phytospear (or any other phenylamide containing fungicide) should be applied to the crop. Phytospear should not be used on potato crops which follow a potato crop that has been growing in the same field that season. Phytospear MUST be used in combination with Mancozeb.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P5324
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNQ Act 1996, No. HSR000663
See www.epa.govt.nz for approval conditions.

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Batch No:

Date of manufacture:

PHYTOSPEAR

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