

Ohayo®

A fungicide for the control of foliar and tuber blight (*Phytophthora infestans*) in potatoes.

A suspension concentrate containing 500 g/l (38.4% w/w) fluazinam

GROUP	29	FUNGICIDE
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IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose: L/ha	Maximum total dose: L/ha	Maximum number of applications	Latest time of application
Potatoes	0.4	4	10	7 days before harvest

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER WHICH IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE PRINCIPLES OF GOOD PLANT PROTECTION PRACTICE FOR USING PLANT PROTECTION PRODUCTS

OHAYO® - A suspension concentrate containing 500 g/l (38.4% w/w) fluazinam

May cause an allergic skin reaction
Suspected of damaging the unborn child
Very toxic to aquatic life with long lasting effects

If medical advice is needed, have the product container or label to hand.

Avoid breathing mist/vapours/spray.
Wash hands thoroughly after handling.
Keep out of reach of children

Wear protective gloves/protective clothing.
If exposed or concerned: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean triple-rinsed containers which can be disposed of as non-hazardous waste

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies

To avoid risks to human health and the environment comply with the instructions for use

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24-hour emergency number:
0032 14 58 45 45



Certis Belchim

GROWING TOGETHER

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FUNGICIDE

Content:

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Production date / Batch number: see packaging

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE
FOR PROFESSIONAL USE ONLY
PROTECT FROM FROST



Distributed by:

Whelehan Crop Protection, Suite 12, Bunkilla Plaza
Bracetown Business Park, Clonee, Co Meath, Ireland
Technical enquiries: 00 353 1 4688900



Risk and Safety Information

UFI: RX2P-4GG0-F309-JJAS

WARNING



PCS N° 05610

Approval holder:

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SAFETY PRECAUTIONS

(a) Operator Protection

- Keep unprotected persons out of treated areas for at least 7 days.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.
- WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
- WASH HANDS AND EXPOSED SKIN before meals and after work.
- TAKE OFF IMMEDIATELY all contaminated clothing.
- WASH CONCENTRATE from skin and eyes immediately.
- Avoid all skin contact with product, spray mist and treated crops;
- Anyone developing skin reactions suggestive of skin sensitisation, such as severe itching, redness or swelling is advised to stop using OHAYO® immediately and seek medical advice.
- Wash all protective clothing (coveralls) regularly, preferably daily, when working with OHAYO®.
- When entering crops do not allow contact of unprotected skin with treated foliage.
- People who have been sensitised by OHAYO® should not use or have further contact with the product.
- IF YOU FEEL UNWELL seek medical advice (show label where possible).

(b) Environmental protection

- Ensure spraying is carried out under good conditions and that sprayer is adjusted to minimise drift.
- Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
- To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

(c) Storage and Disposal

- Do not re-use container for any other purpose.
- RINSE CONTAINER THOROUGHLY by using an

integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

- KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.

PROPERTIES OF OHAYO®

BACKGROUND TO POTATO BLIGHT CONTROL

Late blight (*Phytophthora infestans*) is a potentially devastating disease of potatoes. In commercial production, a season long disease prevention policy is essential. Use cultural control as far as possible, such as:

- (1) Prevent re-growth on potato tubers.
- (2) Use generous soil ridges to protect tubers.

Integrate this approach with a fungicide programme:

Early Crops

In first and second early potato crops, particularly those grown in the same locality as main crop potatoes, an adequate and full blight protection programme should be applied right up to harvesting or haulm desiccation. This will protect the early crop while helping to reduce disease risk to later crops.

Maincrops

Disease prevention programmes require regular and season long fungicide use to limit foliar blight development.

However, as an effective fungicide programme will preserve leaf area there may be more risk of infecting tubers at harvest, particularly during "heavy" blight years. Completion of the control programme should therefore include a complete haulm desiccant. Lifting of the crop should not take place for at least 10 days after COMPLETE KILL of the haulm. Crops intended for storage should not be lifted while there is any green tissue AT ALL on the leaves or stem bases.

Blight Risk Assessment

The risk of disease is affected by weather conditions (during the crop life) and crop location:

Weather Conditions - Spread of disease occurs under warm, humid conditions. Irrigation in warm weather provides ideal conditions for disease spread.

NB Blight forecasting has often been based on the occurrence of "Smith periods". A "Smith period" is a 48 hour period in which the minimum temperature is 10°C



and the relative humidity exceeds 90% for at least 11 hours during the first 24 hours and for at least 11 hours again during the final 24 hours.

However, any period of warm, humid weather increases blight risk.

Crop Location - Locations with the highest probability of blight problems are:

- (1) Areas of the country where extensive maincrop or early production takes place.
- (2) Areas where climatic conditions that encourage disease development occur on a frequent basis

DIRECTIONS FOR USE

IMPORTANT: THIS INFORMATION IS APPROVED AS PART OF THE PRODUCT LABEL. ALL INSTRUCTIONS WITHIN THIS SECTION MUST BE CAREFULLY READ IN ORDER TO OBTAIN SAFE AND SUCCESSFUL USE OF THIS PRODUCT.

Application Details

1. Application equipment: Apply OHAYO® through tractor mounted conventional hydraulic field crop spraying equipment.
2. Sprayer preparation: Ensure that the sprayer is clean and calibrated correctly, to give even application. Apply at the recommended water volumes using a MEDIUM quality spray.
3. Spray pressure: at least 2 bar.
4. Mixing: Before mixing OHAYO®, first part fill the spray tank with clean water and commence agitation. Then, shake the OHAYO® container and add the required amount of product to the tank, before continuing the filling of the spray tank. Agitate thoroughly whilst filling the spray tank and throughout the spraying operation.

Do not leave the spray liquid in the sprayer for long periods (such as during meal-breaks or overnight).

Spray Timing and Intervals

1. Initial Application

OHAYO® is a protectant fungicide and therefore the spray programme must start BEFORE blight enters the crop.

Respective of crop growth stage, commence spraying at the first blight warning or when local weather conditions are favourable for the disease, whichever is the sooner. Otherwise, in the absence of weather conducive to disease development, the first application should be made just before foliage of adjacent plants IN THE ROWS begins to meet. Ensure no areas of the field are left untreated.

2. Repeat Applications

Intervals between applications of OHAYO® MUST be reduced as blight risk increases, so that protection of the crop can be maintained.

“Low risk” situations - applications should be made as a precautionary measure, before conditions conducive to blight

development have occurred - APPLY AT 10 DAY INTERVALS
“High risk” situations - following two warm, humid days or in irrigated crops - APPLY AT 7-10 DAY INTERVALS.

“Severe risk” situations - during continued warm, humid weather and when blight is in nearby crops, potato dumps or volunteer plants- APPLY AT 7 DAY INTERVALS.

NB Potato blight fungicides may not give complete protection when the disease risk is severe. However, disease development will be delayed dramatically with a well timed spray programme.

Up to ten applications of OHAYO® may be made to a crop.

Application Rate and Water Volume

Apply 400 ml/ha of OHAYO® at each treatment.

Apply OHAYO® in 200 to 500 litres of water per hectare.

Use adequate water to ensure complete coverage of the foliage and stems, increasing the volume as haulm growth progresses, particularly in dense crops and under high or severe blight risk conditions.

Harvest Interval

Allow at least 7 days to elapse between the last application of OHAYO® and harvest of the crop.

Crops Grown for Processing

Consult processor before use.

Disease Resistance

Disease control may be reduced if strains of pathogen less sensitive to OHAYO® develop.

THIS PRODUCT IS TO BE USED ONLY IN ACCORDANCE WITH THE RECOMMENDATIONS AND INSTRUCTIONS GIVEN ON THE LABEL PROVIDED WITH THIS PACK. USE IN ANY OTHER CIRCUMSTANCES IS ENTIRELY AT THE USER'S RISK.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



WEBLINK to specific data sheet on manufacturer's website:

http://www.certisbelchim.co.uk/pdf/MSDS/Ohayo_MSDS-IE.pdf

Alternatively, contact your supplier.