A POWERFUL fungicide against Phytophthora infections

Acts by redistribution in the upper leaf surface

Preventative and curative activity as an integrated control strategy

Translaminar activity in the leaves

Composition: Valifenalate 60 g/kg + Mancozeb 600 g/kg

Formulation: WG

Dose rate: 2 - 2.5 kg

Use: Potatoes

Number of applications: 3

Spray interval: 7 - 10 days

Valis M is a registered trademark by Belchim Crop Protection N.V.

Read the instructions on the label before use.

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Trial results Valis M

Preventative and curative activity as an integrated control strategy

Composition: Valifenalate 60 g/kg + Mancozeb 600 g/kg
A new active ingredient in potatoes

Valifenalate

Valifenalate is a fungicide belonging to the chemical group of valinamide carbamates.

Mode of action
VALIFENALATE exhibits effects on the fungal cell wall synthesis
- on the spores (outside the plant)
- on the mycelium (inside the plant)

Very active against spore germination, inhibiting the formation of the infection structures, such as germination tubes and substomatal vesicles, interfering with the cell wall synthesis.

Curative activity on the mycelia in active growth inside the plant tissues, destroying hyphal tips of the cell walls of the fungus.

Antisporulant activity due to the inhibition of the reproductive structures, induced by the action on the cell wall.

Fast penetration
After application valifenalate is fixed to the cuticular wax layer and penetrates into the leaf. Valifenalate sticks into the cuticle wax forming a reserve of active substance
• Excellent rainfastness
• Gradually spreads inside the plant, reaching its optimum concentration and remaining active for up to 14 days

Translaminar effects
Application to the upper leaf surface protects the underside of the leaf through translaminar movement.

Diffusant effects
There is redistribution of valifenalate in the leaf by slow acropetal movement.
Radio-labelled images after a topical application of valifenalate (14C) to the base of the leaflet.

Valifenalate exhibits translocation in the xylematic system of the plant.
Valifenalate protects the newly formed leaves.

In the mode of action list of FRAC (Fungicide Resistance Action Committee) valifenalate is classed in the group of CAA-fungicides (Carboxylic Acid Amides).
See the FRAC website for further information: www.frac.info