

# Grecale

A suspension concentrate containing 200 g/l of Cymoxanil (16.7% w/v) and 300 g/l of Fluazinam (25% w/v)

**A fungicide for the control of *Phytophthora infestans* on Potato**

## RISK AND SAFETY INFORMATION

### WARNING



- Harmful if swallowed
  - May cause an allergic skin reaction
  - May cause damage to organs through prolonged or repeated exposure (blood and thymus)
  - Suspected of damaging fertility and the unborn child
  - Very toxic to aquatic life with long lasting effects
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- Wash hands thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - Get medical advice/attention if you feel unwell
  - Collect spillage.
  - Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.
  - Avoid release to the environment.

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

FOR 24 HOUR EMERGENCY INFORMATION TELEPHONE +44 (0)1763 212100.

PCS Number 05437

#### Registration Holder

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#### Marketing Company

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GRECALE is a registered trademark and product of SIPCAM OXON S.P.A.



Scan to view the Safety Data Sheet

Alternatively, download the Safety Data Sheet from [sipcamuk.co.uk](http://sipcamuk.co.uk) or contact your supplier.

[sipcamuk.co.uk](http://sipcamuk.co.uk)

# FUNGICIDE

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**SIPCAM**  
UK

## FOR PROFESSIONAL USE ONLY

### FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose (L product/hectare)	Maximum number of treatments	Latest time of application
Potato (High disease risk)	0.6	6	7 days before harvest

**Other Specific Restrictions:** A minimum interval of 7 days between applications must be observed. The maximum concentration must not exceed 0.6L product per 240L water.

READ ALL PRECAUTIONS BEFORE USE

## SAFETY PRECAUTIONS

### Operator Protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin and eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating or drinking and after work.

IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

### Environmental Protection

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

Do not contaminate surface water and ditches with chemical or used container. (Do not clean application equipment near surface water/ Avoid contamination via drains and from farmyards and roads).

Use appropriate containment to avoid environmental contamination.

Avoid release to the environment.

Do not apply with hand held equipment.

### Storage and Disposal

- Collect spillage
- Dispose of contents/container as hazardous waste
- 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
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS
- KEEP OUT OF THE REACH OF CHILDREN
- WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely
- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place

## DIRECTIONS FOR USE

### IMPORTANT

This information is authorised as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product. Avoid spraying within 5 m of the field boundary to reduce effects on non-target insects or other arthropods.

### Diseases Controlled and Application Timing

GRECALE is recommended for the use as a fungicide in the field for post-emergence application (BBCH 21-89) to potato infested with Late blight (*Phytophthora infestans*).

### Crop specific information

The product is used for the control of Late blight (*Phytophthora infestans*) in Potatoes. A minimum interval of 7 days between applications must be observed.

### Dose

Intervals between applications of 'Grecale' should be reduced as blight risk increases so that protection of the crop can be maintained as follows:

Risk situation	Further information	Interval	Rate L/ha
Severe	During continued warm, humid weather and when blight is in nearby crops, potato dumps or volunteer plants.	7 days	0.6

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

- b) Up to 6 applications of GRECALE per crop may be made.
- c) Apply GRECALE in 240-600 litres of water per hectare. Apply as a MEDIUM quality spray as defined in the BCPC system.
- d) Apply at the recommended water volumes, appropriate for the density of the crop, ensuring good coverage of the foliage.

## TIMING

GRECALE should be used from the beginning of May onwards.

GRECALE should be applied as part of a repeat spray programme at 7-10 day intervals.

GRECALE must be used preventatively starting applications as soon as there is a risk of blight infection, or an official blight warning has been issued.

In the absence of any warnings applications should start as soon as crops meet within the rows.

A maximum of 6 applications may be applied to the crop.

Protect from frost.

## FOLLOWING CROPS

There are no restrictions on following crops.

## MIXING AND SPRAYING

Shake well before use. Half fill the spray tank with clean water and add the required quantity of GRECALE while maintaining constant agitation. Add the remaining water and continue agitation during spray application.

Wash out all spray equipment with water immediately after use.

## FUNGICIDE RESISTANCE

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GRECALE contains a mixture of cymoxanil (a cyanoacetamide-oxime fungicide) and fluazinam (a 2,6-dinito-Aniline fungicide). To reduce risk of resistance developing the product should be used as a part of a spray programme of treatments using fungicides with different modes of action. For further advice on resistance management for potato blight (*Phytophthora infestans*) contact your agronomist or specialist advisor and/or visit the FRAG-UK and Potato Council websites.

## SIPCAM UK LTD CONDITIONS OF SUPPLY

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We accept responsibility for this product meeting the declared specification and also for our written directions for use and warnings. Users however should be aware that no responsibility can be accepted for use which disregards our written instructions, including directions, warnings and precautions, nor for any advice given by any person whether verbal or written, about storage, mixing and application, or about any use which is not strictly in accordance with our written instructions.