

# Presidium<sup>®</sup>

## FUNGICIDE

Protectant fungicide for the control of Late Blight in Potatoes

### IMPORTANT INFORMATION.

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE, AS DIRECTED BELOW:

Crops	Maximum Individual Dose	Maximum Number of Applications	Latest Time of Application
Potato	1.0 l/ha	5 per crop See "Other Specific Restrictions"	7 days before harvest (BBCH 93)

**The Following Aquatic Buffer Zone must be observed:**

Crops/situations	Aquatic buffer zone distance (metres):	Comment
Potato	6	see Environmental Protection Phrases 1

### Other Specific Restrictions:

A minimum interval of 7 days must be observed between applications to potatoes.

Do not apply via hand-held equipment.

Cereal crops may be planted as part of a normal rotation following the use of Presidium. 120 days must elapse after the application of Presidium before any other crops are planted.

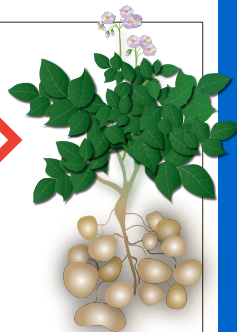
Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30 metres from the top of the bank of any surface water bodies. Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme.

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

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**24 HOUR EMERGENCY TELEPHONE NUMBER:**  
**+44(0) 870 820 0418**

Suspension concentrate containing 180 g/l zoaxamide + 180 g/l dimethomorph  
The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.



### WARNING

**May cause an allergic skin reaction.**

**Very toxic to aquatic life.**

**Very toxic to aquatic life with long lasting effects.**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash contaminated clothing before reuse.

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

Contains Zoaxamide and 1,2-Benzisothiazol-3(2H)-one.

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

**Gowan<sup>®</sup>**  
CROP PROTECTION LIMITED

**READ DIRECTIONS FOR USE ON BACK OF PACKAGE**

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**MAPP 18119**

**Pack Size:**

**5 L e**

64840-6M\_BZ\_UKFTBK-03-0718

## INSTRUCTIONS FOR USE

**IMPORTANT:** This information is approved 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.

### General information

PRESIDIUM is a foliar fungicide for the preventative control of Potato Late Blight (*Phytophthora infestans*) in potato.

### Resistance

Zoxamide is a non-systemic fungicide that inhibits spore germination and development. It has protectant properties. To date, resistance has not been detected for this active substance.

FRAC group: B3, Benzamides and thiazole-carboxamide fungicides

FRAC code: 22

Dimethomorph belongs to the class of morpholine fungicides. It is taken up via leaves and is locally systemic. Dimethomorph inhibits the formation of the fungal cell walls.

FRAC group: H5, CAA-fungicides (Carboxylic acid amides)

FRAC code: 40

Potato Late Blight is considered to be a disease with a medium risk of developing resistance to fungicides. To reduce the risk of resistance developing, PRESIDIUM should be applied at the recommended product label rate and application intervals with a maximum of 5 applications per season. Apply the product as single or block application with a maximum of three consecutive applications, in alternation with other fungicides of a different fungicide resistance group.

### Mixing

Make sure the sprayer is clean and set to give an even application at the correct water volume. Add half the required volume of water to the spray tank and begin agitation. Add the required amount of PRESIDIUM into the partially filled tank. Continue agitation while topping up the tank and during spraying and transport operations.

### Compatibility

Contact your distributor or Gowan representative.

### Cleaning

After each day's work, all application equipment should be thoroughly cleaned / rinsed twice with water.

After each step of washing, the sprayer should be sprayed out completely. It has to be ensured that all liquid is removed from the sprayer tank, pump and hoses. The nozzles have to be removed and washed out. After the cleaning procedure the tank and drain pump should stay open to allow free access of air to all parts of the system.

Care should be taken not to rinse contaminated washings from application equipment into waste water channels. Contaminated cleaning water should be sprayed onto the treated fields.

Operators should read the sprayer manufacturer's instructions before beginning to clean the sprayer.

### Note

PRESIDIUM may be used on all varieties of potato.

## POTATO

For the control of late blight in all varieties of potato.

Pest:	Control of Late Blight ( <i>Phytophthora infestans</i> )
Application rate:	1.0 l/ha
Water volume:	200-600 l/ha
Maximum no. of applications per season:	5
Minimum interval between applications:	7 days
Latest time of application:	7 days before harvest (BBCH 93)

### Timing and dose

Applications must be made preventively as part of a late blight control programme with regard to local late blight warnings or in case of a high risk for plant infection. If a warning is issued for the area, apply the first spray immediately. Situations classed as high risk would be:

- Extended periods of warm, humid weather
- Areas where potato is not commonly grown crop.
- Areas where local weather conditions allow for an increased threat of late blight epidemics.
- Where late blight has been identified in nearby potato crops.

Apply PRESIDIUM at 1.0 l/ha with 7-10 days spray interval, depending on disease pressure. As disease pressure and the risk of late blight infection increases, the interval should be shortened.

In common with all protectant fungicides, it is essential to spray PRESIDIUM before late blight appears in the crop. For this reason a regular spraying programme should be carried out. Do not use PRESIDIUM alone if late blight is present in the crop. PRESIDIUM is not a curative product.

### Application

With ground sprayers, spray fans should overlap just before the top of the crop. Accidental overlap of spray application should be avoided.

Effectiveness using three star drift reduction technology may be reduced.

Use a medium quality spray at recommended pressures for the sprayer machine being used, and apply in a suitable water volume to ensure complete cover of the foliage. Allow foliage to dry before applying PRESIDIUM after rainfall. Do not apply the product if rain is expected within one hour of application.

**Product batch no. / date of manufacture:**

See packaging.

## OPERATOR PROTECTION:

### Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate. WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. WHEN USING DO NOT EAT, DRINK OR SMOKE. WASH HANDS/EXPOSED SKIN before eating and drinking/smoking and after work.

### Worker protection:

As a standard rule, treated crops should not be re-entered before spray deposits on leaf surfaces have completely dried.

### Environmental protection:

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30 metres from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERP record form. The LERP record form must be kept available for three years.

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.

### Storage and disposal:

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

The product and its container must be disposed of in a safe way. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for clean empty containers which can be disposed of as non-hazardous waste. For larger quantities, contact the manufacturer of the product. Must not be disposed of with household waste.

EU waste keys for the packaging with product: 02 01 08

(Agrochemical waste containing dangerous substances),

20 01 19 (Pesticides).

This label is compliant with the CPA Voluntary Initiative Guidance.

