



# UNICUR<sup>®</sup>



5L e



## Fungicide

A fungicide for the control of diseases in bulb onions and shallots.

### MAPP 19987

An emulsifiable concentrate formulation containing

100 g/L prothioconazole and  
100 g/L fluoxastrobin.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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## Safety Information

**UNICUR**

Contains 100 g/L prothioconazole  
and 100 g/L fluoxastrobin

**Danger**

Very toxic to aquatic life with long lasting effects  
Wear protective gloves/protective clothing/eye  
protection/face protection.

Collect spillage.

Protect from sunlight.

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

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

Contains 2-[2-(1-chlorocyclopropyl)-2-hydroxy-  
3-phenylpropyl]-2,4-dihydro-3H-1,2,4-triazole-3-  
thione. May produce an allergic reaction.

**IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE****Crops:**

Bulb onions, Shallots\*  
(see "other specific restrictions" below)

**Maximum individual dose:**

1.25 litres of product per hectare

**Maximum total dose:**

5.0 litres of product per hectare

**Latest time of application:**

Up to 10% of leaves bent over (GS 47)

Other specific restrictions 'Do not apply by hand-held equipment e.g. knapsack sprayer'

\* Use only on shallot crops that will be mechanically harvested, treated crops must not be hand harvested.

**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.**



unicursds

To access the **Safety Data Sheet** for this  
product scan the code or use the link below:

[www.cropscience.bayer.co.uk/unicursds](http://www.cropscience.bayer.co.uk/unicursds)

or alternatively contact your supplier

PROTECT FROM FROST

**Bayer**

# SAFETY PRECAUTIONS

## 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 or when handling contaminated surfaces.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.
- 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 ANY CONTAMINATION from eyes immediately.
- WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.
- IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

## Environmental Protection

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).



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk

Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

## Storage and Disposal

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.

## DIRECTIONS 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.

### PROTECT FROM FROST

Unicur is a mixture of strobilurin and triazolothione fungicides recommended for control of Downy Mildew caused by *Peronospora destructor* and a useful level of control of leaf blight caused by *Botryotinia squamosa* (anamorph *Botrytis squamosa*).

### CROPS

Unicur may be used on all commercial varieties of bulb onions and shallots.

If the crop is intended for processing consult the processor before use of Unicur.

### RATE OF USE

Apply Unicur at 1.25 litres per hectare, the maximum total dose per crop is 5.0 litres per hectare.

### APPLICATION

#### Water volume

Apply Unicur in 100-300 litres per hectare water. The higher spray volumes are recommended where the crop is dense or disease pressure / risk is high to ensure good penetration to the lower leaves and stem bases. Disease control maybe compromised by reducing water volumes, where good spray coverage is difficult to achieve.

#### Pressure

A spray pressure of 2-3 bar is recommended.

#### Spray quality

Apply as a MEDIUM spray quality (as defined by BCPC).

#### Latest Permitted Timing

Up to 10% of leaves bent over (GS 47).

#### Mixing

Thoroughly shake the pack before use.

Add the required quantity of Unicur to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

#### Tank washing

Any product rinsings should be added to the spray tank and sprayed on the crop to be treated. The product can be removed from spray tanks by rinsing with water and detergent.

#### General

Sprayers should be thoroughly cleaned before use, and filters and jets checked for damage and blockages.

Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop. In dense crops, at later growth stages, higher water volumes should be used.

Thoroughly wash equipment with water and detergent after use.

## **DISEASES CONTROLLED**

Downy mildew (*Peronospora destructor*)

A useful level of control of leaf blight, (*Botryotinia squamosa*, anamorph *Botrytis squamosa*).

### **\*Qualified minor use recommendation:**

Based on limited data, useful reductions can be expected of infections caused by *Botrytis*, *Cladosporium*, *Stemphylium* and *Puccinia* species and also some reduction of bacterial rots of bulbs associated with downy mildew infections.

## **APPLICATION TIMING**

Apply Unicur as part of a protectant programme, at any stage from when the leaf bases begin to thicken (BBCH 40, beginning of bulb formation) until when 10% of the leaves are bent over (BBCH 47). Do not apply any more than two consecutive applications of Unicur.

## **MANAGEMENT STRATEGY TO MINIMISE THE LIKELIHOOD OF RESISTANCE**

Apply fungicides according to manufacturer's recommendations for the target disease (or complex) at the specific crop growth stage indicated. Effective disease management is a critical parameter in delaying the build-up of resistant pathogen populations. Unicur is a mixture of two fungicides with different modes of action, a strobilurin and a triazolinthione.

Unicur contains fluoxastrobin, a member of the QoI cross-resistance group. Unicur should be used preventatively and should not be relied on for its curative potential.

Use Unicur as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

Do not apply any more than two consecutive applications of Unicur.

**CAUTION:** The possible development of disease strains resistant to Unicur cannot be excluded or predicted. Where such resistant strains occur, Unicur is unlikely to give satisfactory control.

## **FACTORS AFFECTING CROP SAFETY**

Application of Unicur to young plants before the beginning of bulb formation may cause, some transient leaf chlorosis, leaf white tipping and leaf distortion. To avoid this and gain the maximum yield and quality benefit from the product, apply from the beginning of bulb formation.

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