MAPP 20220

GROUP 27 FUNGICIDE

# A fungicide for the control of late foliar blight (Phytophthora infestans).

A water dispersible granule (WG) formulation containing 45% w/w cymoxanil.

# IMPORTANT INFORMATION

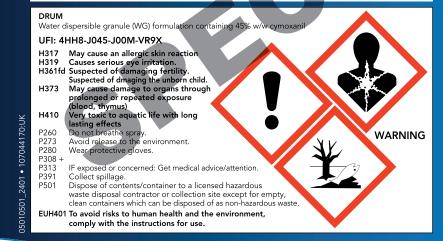
FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (kg product/ha)	Maximum number of treatments (per year)	K	Latest time of application	
Potato	0.25	10	7	days before harvest	

#### Other specific restrictions:

A minimum interval of 7 days must be observed between applications. Do not re-use container for any purpose.

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.





## Contents

1kg

FOR PROFESSIONAL USE ONLY

## PROTECT FROM FROST

Production date/Batch number: see packaging

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

For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone Carechem 24 EU: 01235 239670

For technical and non-emergency calls – phone 0845 373 0305

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# 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 product.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- WASH SPLASHES from skin immediately.
- WASH HANDS AND EXPOSED SKIN before eating and drinking or smoking and after work.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- AVOID CONTACT WITH SKIN.
- WEAR SUITABLE GLOVES.

# **Environmental protection**

- DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.
- Use appropriate containment to avoid environmental contamination.

### Storage and disposal

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
- EMPTY CONTAINER COMPLETELY and dispose of safely.
- KEEP OUT OF REACH OF CHILDREN.
- KEEPAWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

# **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.

# **RESTRICTIONS**

Allow a minimum of 7 days between applications.

Only apply **DRUM** in tank mixture with other fungicides containing a different active ingredient.

## RESISTANCE MANAGEMENT

When fungicides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. It is therefore advised to design spray programmes to utilise fungicides with different modes of action and observe manufacturers recommendations on dose, timing and spray interval. Cymoxanil must always be used in mixture with actives of a different mode of action and alternate in the spray programme with other mixed formulations of active ingredients with different modes of action or fungicide families.

## **CROPS**

**DRUM** can be used on all varieties of early and main crop potatoes. On crops grown for processing, consult your processor before use.

# TIMING AND WEATHER

Timing of spray applications should take into account the normal prevalence of the disease in the area and conditions in the particular season. The first spray should be applied as soon as there is a risk of blight infection or an official warning has been issued, whichever occurs first.

In the absence of a warning, spraying should begin just before the crop meets along the rows.

Applications should be repeated at 10-14 day intervals depending on the prevalence of the disease and favourable conditions for infection. A 7 day spray interval may be used under exceptional circumstances, e.g. blight risk is already high and rain is forecast at the time the next 10 day spray is due. High risk situations include conditions of rapid growth, irrigated crops, areas of intensive potato growing, particularly blight sensitive varieties, when further warnings are issued, or when active blight is in the area. The longer interval is recommended under dry conditions. Irrigation of crops increases the risk of blight and crops should always be sprayed with DRUM as soon as possible after irrigation subject to the minimum spray interval. Irrigated crops should normally be sprayed at 10 day intervals.

## DOSE

**DRUM** should be applied at 0.2-0.25 kg/ha in tank-mixture with one of the following products; the highest rate of **DRUM** should be used when conditions are favourable for *P. infestans* and disease pressure is high.

Fluazinam (Shirlan, MAPP 18406/20198) at 0.3-0.4 litres product per hectare (rate of Shirlan is dependent on blight risk and spray interval, see product label). This mixture will give a reduction in tuber blight. OR

Cyazofamid (Ranman Top MAPP 14753/20353/20354) at 500 ml of product per hectare. This mixture will reduce the percentage of blight affected tubers due to the activity of Ranman Top.

All other requirements and restrictions on the partner product label should be adhered to.

## **VOLUME AND APPLICATION**

Apply **DRUM** in not less than 200 litres of water per hectare using a MEDIUM quality spray (as defined by BCPC).

## MIXING

Spraying equipment should be thoroughly cleaned before spraying. **DRUM** mixes easily with water and should be added directly to the spray tank during filling. Wash out container and add washings to the spray tank. Continue agitation until spraying is complete.

CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

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:

www.certisbelchim.co.uk/pdf/ MSDS/Drum\_MSDS.pdf

Alternatively, contact your supplier.