



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)	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.**

DRUM

Water dispersible granule (WG) formulation containing 45% w/w cymoxanil

UFI: 4HH8-J045-J00M-VR9X

- H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H361fd Suspected of damaging fertility.
Suspected of damaging the unborn child.
H373 May cause damage to organs through
prolonged or repeated exposure
(blood, thymus)
H410 Very toxic to aquatic life with long
lasting effects
P260 Do not breathe spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P308 +
P313 IF exposed or concerned: Get medical advice/attention.
P391 Collect spillage.
P501 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.
- EUH401 To avoid risks to human health and the environment,
comply with the instructions for use.**



FUNGICIDE

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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

Authorisation Holder :
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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.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- 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.