

# WARLOCK



MAPP 20786

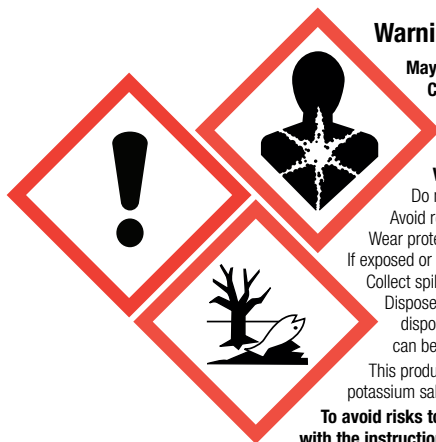
GROUP 27 FUNGICIDE

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

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

UFI: A1Y2-WOM2-600J-54YS

## Warning



**May cause an allergic skin reaction.**

**Causes serious eye irritation.**

**Suspected of damaging fertility or the unborn child.**

**May cause damage to organs through prolonged or repeated exposure (blood, thymus).**

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

Do not breathe spray.

Avoid release to the environment.

Wear protective gloves.

If exposed or concerned: Get medical advice/attention.

Collect spillage.

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

This product contains the sensitising substance maleic acid, potassium salt (CAS no. 10237-70-4).

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

## IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

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

Control of late blight of potatoes caused by *phytophthora infestans* is achieved when used in conjunction with products containing active substances with multi-site activity.

### Other specific restrictions:

- (1) A minimum interval of 7 days must be observed between applications.
- (2) Non-returnable containers must not be re-used 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.**

05/25



**PROTECT FROM FROST**

Distributor: Authorisation Holder:  
Crophetics Ltd JT Agro Ltd  
Lees Mill Lane, Huddersfield, HD7 5QE  
Telephone: 01484 848885  
[www.jtcrop.com](http://www.jtcrop.com) | [info@jtcrop.com](mailto:info@jtcrop.com)

Safety Data Sheet for this product  
scan the QR code or use the weblink:  
[https://links.jtcrop.net/UK\\_Warlock](https://links.jtcrop.net/UK_Warlock)  
Alternatively, contact your supplier.



Net contents  
**1 kg e**





THE (COSH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

## SAFETY PRECAUTIONS

### Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: Operators must 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 that they provide an equal or higher standard of protection.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALL) AND SUITABLE PROTECTIVE GLOVES when handling the product.

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.

### 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).

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 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 WARLOCK 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 that wherever possible spray programmes should include 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

WARLOCK 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 WARLOCK as soon as possible after irrigation subject to the minimum spray interval. Irrigated crops should normally be sprayed at 10 day intervals.

### DOSE

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

Formulations of fluazinam 500 g/L at 0.3-0.4 litres product per hectare (rate of fluazinam is dependent on blight risk and spray interval, see product label). This mixture will give a reduction in tuber blight.

OR

Formulations of cyazofamid 160 g/L at 500 ml of product per hectare. This mixture will reduce the percentage of blight affected tubers due to the activity of cyazofamid.

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

### VOLUME AND APPLICATION

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

### MIXING

Spraying equipment should be thoroughly cleaned before spraying. WARLOCK 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.

### COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 1995 and it provides additional advice on product use at the discretion of JT Agro Ltd.

**CONDITIONS OF SUPPLY:** All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or after application, which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.