

MAGIC™



GROUP 29 FUNGICIDE

MAPP 18861 FLUAZINAM 500 G/L

A fungicide for the control of foliar blight and protection against tuber blight in potatoes.

A suspension concentrate formulation containing 500 g/L fluzinam (39.1% w/w).

Safety Data Sheet for this product scan the QR code or use the weblink <https://bit.ly/2RFu7vQ> Alternatively, contact your supplier.



FOR PROFESSIONAL USE ONLY

Contains fluzinam and 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Warning

Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.

Keep out of reach of children. Obtain special instructions before use. Wear protective gloves/protective clothing. Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

If exposed or concerned: get medical advice/attention. If medical advice is needed, have product container or label at hand. Collect spillage.

Store locked up. Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed, empty containers which can be disposed of as non-hazardous waste.

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

**PROTECT FROM FROST
SHAKE WELL BEFORE USE**

Transport Information
UN 3082 ADR/RID Class: 9 Packaging Group: III

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Marketing Company Authorisation Holder
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Transport Information
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This leaflet is part of the approved label.

For advice on medical emergencies, fires or major spills telephone the
National Chemical Emergency Centre on 01865 407333

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops/situations	Maximum Individual dose (L product/ha)	Maximum Total dose (L product/ha)	Latest time of application	Aquatic buffer zone distance (metres)
Potato	0.4	4.0	1 day before harvesting	6

Other specific restrictions:

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

This product must not be applied via hand-held equipment.

A 6 M buffer zone to adjacent surface waters should be applied for the protection of aquatic organisms.

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.

THE (COSHH) CONTROL OF SUBSTANCE 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:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) during application.

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

WASH CONCENTRATE from skin and eyes immediately.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (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.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

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 the HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30 M 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 M of the top of a ditch which is dry at the time of application. Aim spray away from water.

NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME. The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

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.

RESISTANCE

Disease control may be reduced if strains of pathogen less sensitive to MAGIC develop.

MAGIC contains fluazinam, a multi-site contact fungicide from the dinitroaniline group, mode of action code C5 and classified as FRAC code 29.

If an intensive blight control programme is necessary, include products with different modes of action. 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 differing modes of action.

To minimise the risk of resistance occurring, MAGIC must only be used at its recommended rate in a blight programme.

For further advice, on resistance management for potato blight (*Phytophthora infestans*) contact your agronomist or specialist advisor, and/or visit the Fungicide Resistance Action Group (FRAG)-UK and British Potato Council websites.

PROCESSORS

Consult processors before using on crops grown for processing.

DISEASE CONTROL

MAGIC is used for the control of foliar blight and protection against tuber blight in potatoes.

To avoid the spread of blight you should be aware of the following agronomic practice;

- Destroy all ground-keepers
- Use disease-free seed
- Good soil ridging will help avoid spread
- Do not allow re-growth of potatoes on dumps
- Dessicate the crop prior to harvest to avoid spread when potatoes are lifted

The crop is at highest risk of disease under warm, humid conditions. Growers should also look out for blight warnings. Location can also affect the disease. Areas of high potato production and those where climate is warm and humid, have the highest disease incidence particularly, in the UK, East Anglia, the Fens and the South West.

CROP SPECIFIC INFORMATION

MAGIC will give good control of disease before it appears. If disease is already well established then control may be reduced.

Rate of use: 400 ml of MAGIC per hectare in 200-400 litres water/ha. Use the higher water volume where crops are dense or under high disease pressure.

Timing	Recommendations	Interval between applications
First application	Apply as soon as conditions favour disease incidence, or when disease warning is given, but before disease appears. Otherwise, in the absence of weather conducive to disease development, the first application should be made just before foliage of adjacent plants in the rows begin to meet.	-
Second and repeat applications	Apply depending on disease pressure as follows; Low risk – as soon as conditions favour disease. High risk – after 2 warm and humid days, and/or in irrigated crops. Severe risk – when conditions are favourable and disease is present in adjacent crops, apply 400 ml at 7 day intervals.	14 days 7 – 10 days 7 days

Tuber Blight

To protect against tuber blight, apply MAGIC as recommended above. It is advised to desiccate the crop prior to harvest, especially where disease is present.

MIXING AND APPLICATION

For use by tractor mounted/trailed sprayer only. Half-fill the spray tank with clean water and begin agitation. Add the recommended amount of MAGIC, and the remainder of the water. Continue agitation until spraying is complete.

Do not leave spray mixture in the tank for long periods such as during breaks or overnight.

On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely. Wash all equipment and personal protective equipment after use, avoiding contact with unprotected skin. Crops should not be re-entered until spray residues are dry.

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.

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