



# Maxim<sup>®</sup> 100 FS

syngenta<sup>®</sup>

Product Registration Number MAPP 15683

MAXIM 100FS is a flowable concentrate containing 100 g/litre fludioxonil.



Useful control of seed borne *Rhizoctonia solani* (black scurf), plus the reduction of seed borne *Helminthosporium solani* (silver scurf) and *Colletotrichum coccodes* (black dot) in potatoes grown from treated seed tubers.

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

#### SAFETY PRECAUTIONS

##### (a) Operator protection

WASH HANDS AND EXPOSED SKIN before meals and after work

##### (b) 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.

##### (c) Storage and disposal

EMPTY CONTAINER COMPLETELY and dispose of safely.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

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 safely.

DO NOT RE-USE CONTAINER for any purpose.





This product label is compliant with the CPA Voluntary Initiative (VI) guidance.

Syngenta UK Limited  
CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE  
Tel: Cambridge (01223) 833400

In case of toxic or transport emergency ring +44 (0)1484 538444 any time

PROTECT FROM FROST. MIX THOROUGHLY BEFORE USE.

5 litres

Product names marked ® or ™, the ALLIANCE FRAME   
the SYNGENTA Logo and the PURPOSE ICON   
are Trademarks of a Syngenta Group Company

TM

**MAXIM 100FS**

A flowable concentrate containing 100 g/litre fludioxonil.

**Signal Word**

Warning

**Hazard Statements**

Very toxic to aquatic life with long lasting effects.

**Precautions Statements**

Avoid release to the environment.

Collect spillage.

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.

**Supplemental information**

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

**MAPP 15683****IMPORTANT INFORMATION****FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE**

For use on potato seed tubers used to produce ware crops

Crops/situations	Maximum individual dose (l/product/tonne)	Maximum number of treatments (per batch)	Latest time of application
Potatoes	0.25	1	Before planting

Other specific restrictions:

Only apply to dormant tubers before planting.

Do not apply to crops intended for seed production.

**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 PRACTISE FOR USING PLANT PROTECTION PRODUCTS.**

This leaflet is part of the approved Product Label.

## **DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

## **DISEASES CONTROLLED**

MAXIM 100FS has activity against a range of seed borne diseases of potato seed tubers. Application of MAXIM 100FS during storage and before planting will minimise the spread of disease from the seed tubers to the progeny grown from these tubers. Where treated seed tubers are planted into soils with a heavy soil inoculum the benefits of seed tuber treatment can be overwhelmed by the soil inoculum.

The application of MAXIM 100FS to seed tubers during storage and pre-planting will provide useful control of black scurf (*Rhizoctonia solani*) and reduction in silver scurf (*Helminthosporium solani*) and some reduction in black dot (*Colletotrichum coccodes*) in tubers grown from the treated seed.

MAXIM 100FS has contact action against the target fungal diseases. To achieve the best activity against the target diseases, good coverage of tubers must be achieved at application. At the time of application the crop should be clean and free of soil to maximise the effectiveness of the product. Only use MAXIM 100FS on healthy vigorous seed tubers. Do not use on diseased or weak stocks. Ensure that good agricultural practice is carried out to minimise disease risk and to provide good conditions for crop growth after tuber planting.

## **PROCESSING**

Consult processor before using on crops being grown for processing.

## **RESISTANCE**

To reduce the risk of resistant strains of fungi developing, MAXIM 100FS should be used as part of an overall management programme for disease control / reduction. MAXIM 100FS should not be used during the seed production cycle and treatment should be used to produce ware or processed crops only. There is no known resistance to fludioxonil in UK populations of silver scurf, black dot or *Rhizoctonia*. Where resistance develops the efficacy of MAXIM 100FS may be reduced.

## **CROP SPECIFIC INFORMATION**

### **Timing**

MAXIM 100FS can be applied to potato seed tubers used for ware and processing. MAXIM 100FS can be applied to all varieties of potato. MAXIM 100FS must be applied to seed tubers during the storage period and before chitting or planting. The tubers should be dormant at the time of application. To ensure the best results the tubers must be clean and free from soil at the time of application. The seed tubers should be vigorous and free from bacterial rots, viral infections or physical damage.

### **Rates of Use**

MAXIM 100FS should be used at a rate of 250 ml of product per tonne of potato tubers. The product can be applied diluted with water and made up to 2.0 litres of solution per tonne of seed tubers.

### **MIXING AND SPRAYING**

Before using MAXIM 100FS the pack should be thoroughly shaken to ensure even dispersion of the product which may settle during storage.

MAXIM 100FS should be applied using low volume hydraulic nozzles situated on a roller table. Seed tubers should only be treated by means which provide an accurate dose. The 250 ml of product should be made up to 2.0 litres with water and this volume applied per tonne of tubers using ultra low volume hydraulic nozzles. At this rate tubers should be dampened, but not wet. Avoid over wetting tubers as this can cause the development of bacterial soft rots against which the product is not active.

Application is normally best achieved by using a roller table. An even flow of tubers needs to be maintained across the roller table during treatment. While in the treatment area on the roller table the seed tubers must have space to rotate 2 – 3 times to obtain good tuber coverage with the product. Application machinery must be shielded to prevent spray drift.

Care should be taken to ensure that MAXIM 100FS is not over or under applied and that tubers are not carrying excessive quantities of soil. Where crops are dirty at application, effectiveness may be reduced.

When diluted with water the solution should be agitated in order to maintain an even dispersion, agitation should continue even when treatment of tubers is not in operation. Mix only sufficient MAXIM 100FS for immediate use.

For further information on product application contact your distributor or Syngenta UK Limited.

### **Applicator Maintenance**

To ensure high standards of application the spray equipment should be regularly cleaned and maintained. Clean spray nozzles and spray lines at the end of each day. Do not leave product in application equipment for prolonged periods e.g. overnight.

### **COMPANY ADVISORY INFORMATION**

As part of our Product Stewardship policy, Syngenta Crop Protection recommends the following precautions should also be observed:

Wear appropriate clothing – cotton overall and rubber gloves, when handling the concentrate and treated tubers.

Apply Maxim 100FS to high quality tubers and avoid handling tubers in a way that can cause unnecessary stress. Treatment of highly stressed or mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, may result in reduced germination and/or reduction of seed and seedling vigour.

Syngenta class dormancy break as a bud greater than 0.5 mm in diameter. MAXIM 100FS should ideally be applied before, and not beyond this point. Please note Syngenta will only support applications made by a TEAM STOREMASTER with Rotary air nozzle application system and over a roller table. Syngenta do not support the use of MAXIM 100FS if the calibration and application is carried out by a non N.P.T.C. PA12 Certified operative.

### **SEED BAG LABEL TEXT**

This seed has been treated with MAXIM 100FS.

MAXIM 100FS contains fludioxonil which has activity against a range of seed borne diseases of potatoes. MAXIM 100FS provides useful control of black scurf (*Rhizoctonia solani*), reduction in silver scurf (*Helminthosporium solani*) and some reduction of black dot (*Colletotrichum coccodes*) in the daughter tubers grown from treated seed.

Consult processor before using this treated seed to grow a crop for processing.  
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### **SAFETY PRECAUTIONS**

WEAR SUITABLE PROTECTIVE GLOVES when handling treated seed.

DO NOT HANDLE seed unnecessarily.

DO NOT USE TREATED SEED as food or feed.

KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.

DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

WASH HANDS AND EXPOSED SKIN before meals and after work.

## NOTES

### 1 Safe handling of treated seed tubers

Avoid skin contact with treated seed and dust during all handling and planting operations. Launder coveralls daily.

### 2 Seed storage

After treatment dry off treated seed tubers to minimise the risk of bacterial soft rots developing in store. Potatoes must be planted within 3 months of treatment.

### 3 Planting

Seed tubers may be chitted before planting or planted from cold store. Avoid planting in cold wet seed beds as this can delay crop emergence.

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