

# MICROTHIOL SPECIAL<sup>®</sup>

FUNGICIDE

PCS 04757

A water dispersible granule containing 80% w/w sulphur for use against Powdery Mildew on barley, oats, rye, triticale, durum wheat, spelt wheat, sugar beet, fodder beet, vines, apple, pear, plum, pumpkin, courgette, cucumber and melon.

MICROTHIOL SPECIAL can also be used as a foliar feed on oilseed rape, grassland and other crops.

## FOR PROFESSIONAL USE ONLY

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

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

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.

PCS no. 04757

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops/situations	Maximum single dose (kg product/ha)	Maximum number of applications	Maximum total dose (kg product/ha)	Latest time of application
Barley, oats, rye, triticale, durum wheat, spelt wheat	7.5	3 per crop	22.5 per crop	35 days before harvest
Sugar beet, Fodder beet	7.5	4 per crop	30 per crop	N/A (0 days before harvest)
Table grapes (field), wine grapes (field)	8.0 <sup>1</sup>	10 per crop	80 per crop	28 days before harvest
	6.25 <sup>2</sup>	3 per crop	18.75 per crop	28 days before harvest
Apple, pear	3.0	14 per crop	112 per crop	7 days before harvest
Plum	7.5	14 per year	105 per year	7 days before harvest
Pumpkin (field), courgette (field), cucumber (field), melon (field)	7.5	6 per crop	45 per crop	N/A (0 days before harvest)

<sup>1</sup> Powdery Mildew

<sup>2</sup> Dead-arm infections

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.

## SAFETY PRECAUTIONS

### Operation Protection

DO NOT BREATHE DUST.

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

WASH HANDS before meals and after work.

### 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.

### Storage and Disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINKS AND ANIMAL FEEDING STUFFS.

KEEP ONLY IN THE ORIGINAL CONTAINER, tightly closed in a safe place.

Keep dry and lock in a suitable pesticide store<sup>1</sup>.

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.

Approval holder:

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Manufacturing date and Batch No.: see packaging

**10 KG**  
NET CONTENT



## 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.**

As MICROTIIOL SPECIAL is a preventive fungicide, spraying should be carried out before the disease has become established in the crop. Certain varieties of bushes and vines may be damaged by sulphur sprays. The form of the spray, district, soil and weather conditions and type of stock all affect the degree of sulphur shyness. If in doubt, treat a small area with the product first.

The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods.

### CROP SPECIFIC INFORMATION

#### Wheat, Oats, Rye, Triticale, Durum Wheat and Spelt Wheat

For the control of Powdery Mildew.

Rate of application: Apply MICROTIIOL SPECIAL at 5-7.5 kg per hectare in 200-400 litres of water.

Timing and minimum interval between applications: Apply MICROTIIOL SPECIAL from the fifth leaf is unfolded until the end of the blossoming (BBCH 15 to 69), with a minimum interval of 7-21 days between applications according to disease prevalence.

Maximum number of applications: 3 per crop/year

#### Sugar Beet, fodder beet

For the control of Powdery Mildew.

Rate of application: Apply MICROTIIOL SPECIAL at 5-7.5 kg of product per hectare in a water volume between 200-1000 litres.

Timing: Apply MICROTIIOL SPECIAL as soon as disease is seen in the crop (BBCH 39-49) with a minimum interval of 7-14 days between applications.

Maximum number of applications: 4 per crop/year

#### Grapevines

For control of Powdery Mildew

Rate of application: Apply at a maximum concentration of 8 kg of product per 1000 litres of water per hectare.

Timing and minimum interval between applications: Apply on appearance of the disease between BBCH 09-81 and at 7-10-day intervals thereafter.

Maximum number of applications: 10 per year.

For control of dead-arm

Rate of application: Apply at a maximum concentration of 25 kg of product per 500 litres of water per hectare.

Timing and minimum interval between applications: in the developing stage from the start of the bud swelling until the sixth leaf unfolds (BBCH 01-16) and at 7-day intervals thereafter.

Maximum number of applications: 3 per year.

As a side effect, MICROTIIOL SPECIAL reduces grape rust mite and grape bud mite.

#### Apples and pears

For the control of apple Powdery Mildew and to reduce Apple Scab infections and Pear Scab.

Rate of application: Apply at 5-8 kg of product per 500-1500 litres of water per hectare.

Timing and minimum interval between applications: Apply on appearance of the disease (BBCH 09-85). Starting when the tips of the green leaves are approx. 5 mm above the bud scales and at 7 to 14-day intervals.

Maximum number of applications: 14 per crop/year.

As a side effect, the product reduces leaf mite (*Aculus* sp.).

#### Plums

For partial control of infections of Powdery Mildew.

Rate of application: Apply at a dose of 5-7.5 kg of product per 500-1500 litres of water per hectare.

Timing and minimum interval between applications: in the growing stage, when the tips of the green leaves are approx. 5 mm above the bud scales until the stage of ripening: the intensity of variety-specific colours increases (BBCH 09-85) at 7 to 14-day intervals.

Maximum number of applications: 14 per year.

#### Pumpkin, courgette, cucumber and melon

For the control of Powdery Mildew in field conditions.

Rate of application: Apply at a dose of 5-7.5 kg of product per 200-1000 litres of water per hectare.

Timing and minimum interval between applications: in the growing stage from the third true leaf establishment to the stage when 70% of the crop has developed the characteristic colour of a ripe crop (BBCH 13-87) at 7 to 14-day intervals.

Maximum number of applications: 6 per crop/year.

As a side effect, the product affects mites (*Acarina*).

### RESISTANCE MANAGEMENT

A strategy for preventing and managing such resistance should be adopted.

- Maintain the label dose rate.
- Application for preventative control and within the maximum specified number of applications per season.
- Use as part of a spray program in sequence and tank mixtures with other fungicides with different modes of action where relevant.

### MIXING

Add the product to the required volume of water in the spray tank. Leave to disperse and then agitate well. Continue effective agitation until spraying is complete.

### CROP SPECIFIC INFORMATION FOR USE AS A FOLIAR FEED

The following uses do not fall within the scope of Regulation (EC) No. 1107/2009.

Please seek advice from distributor before application to any other crop.

MICROTIIOL SPECIAL may be used in areas of sulphur deficiency, to supply the necessary sulphur for the crop. A sulphur imbalance can also occur in fast growing crops and an application of MICROTIIOL SPECIAL will correct the imbalance at this critical period.

#### Oilseed rape

An early spring spray gives useful growth promotion which often leads to an increase in the longevity of green leaf area and consequently increased yield.

Rate of application: Apply MICROTIIOL SPECIAL at 10 kg per hectare in 200-500 litres of water.

Number of applications: maximum 2 at 14-day interval.

Timing: Apply MICROTIIOL SPECIAL during March at beginning of spring growth. BBCH 31-79.

#### Brassica

Yield promotion

Rate of application: Apply MICROTIIOL SPECIAL at 10 kg per hectare in 200-450 litres of water.

Timing: Hay or Silage: Apply MICROTIIOL SPECIAL after the first or second cut ensuring there are at least two weeks between spraying and cutting.

Grazing: Apply MICROTIIOL SPECIAL from mid-June to mid-July. Allow at least 3 weeks after re-introducing stock.

#### Other crops

Please seek advice from distributor before application to any other crop.

Potatoes, vegetable brassicas, swedes, turnips, vegetables, vines, hops, turf, top fruit and soft fruit.

Rate of application: Apply MICROTIIOL SPECIAL at 10 kg per hectare in 200-450 litres of water.

Timing: Apply MICROTIIOL SPECIAL when the crop is actively growing and there is sufficient leaf area to absorb the spray. Spraying should be carried out on a calm day, but not during strong sunshine. Do not spray if rain is imminent.

When sulphur deficiency is very severe, a repeat application should be made after 10-14 days.

### CONDITIONS OF SUPPLY

All goods supplied by the company are of good quality and we believe them to be fit for purpose. However, 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. Brand names used in this label may be registered trademarks of UPL Europe Ltd, or other manufacturers in which propriety rights may exist.