

TOPENCO

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An emulsifiable concentrate containing 100 g/L penconazole for the control of powdery mildew in apples, crab apples, pears, blackcurrants, redcurrants, grapes, outdoor and protected strawberries.

An emulsifiable concentrate containing 100 g/L of penconazole (10.2 % w/w)

MAPP: 17539

IMPORTANT INFORMATION FOR USE ONLY AS A FUNGICIDE

| Crops | Maximum individual dose (L/ha) | Maximum total dose (L/ha) | Maximum number of treatments | Latest time of application |
|--|--------------------------------|---------------------------|------------------------------|----------------------------|
| Apple, crab apple, pear | 0.5 | - | 3 per year | 21 days before harvest |
| Blackcurrant (outdoor), redcurrant (outdoor) | 0.5 | - | 2 per year | 28 days before harvest |
| Strawberry (outdoor) | 0.5 | - | 2 per crop | 3 days before harvest |
| Strawberry (protected) | 0.5 | - | 4 per crop | 3 days before harvest |
| Table grapes, wine grapes | 0.3 | - | 3 per year | 28 days before harvest |

CONTENTS:
5 lit. e

Batch No: see bottle
PROTECT FROM FROST
STORE IN A COOL, DRY PLACE
SHAKE WELL BEFORE USE

Other specific restrictions:

For the use on grapes, apples, pears and crab apples the spray concentration must not exceed 0.5 L product in 250 L water.

For use on currants the spray concentration must not exceed 0.5 L product in 4000 L water.

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.

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

WARNING



H319 – Causes serious eye irritation.

H361D – Suspected of damaging the unborn child.

H411 – Toxic to aquatic life with long lasting effects.

P102 – Keep out of reach of children.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 – If exposed or concerned: Get medical advice/attention.

P337+P313 – If eye irritation persists: 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.

Globachem
Your Crop Counts

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UK

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 GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

However, engineering controls by using an integrated personal protective equipment (if a COSHH assessment shows that they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use especially inside of gloves.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

ENVIRONMENTAL PROTECTION

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See Directions for Use. Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

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 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.

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.

Where application is by horizontal boom sprayers: Avoid spraying/application within 5 m of the field boundary to reduce effects on non-target insects or other arthropods.

Where application is by broadcast sprayers: The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods. No information on the safety of TOPENCO in Integrated Pest Management systems has been provided and therefore safety cannot be assumed.

PROPERTIES OF TOPENCO

TOPENCO should be used preventatively or in the earliest stages of disease development to minimize risks of resistance. To maintain a high level of protection, applications of TOPENCO should not be made consecutively but used in alternation with fungicides with different modes of action. Where high infection levels of mildew are present in the crop, use another product to lower the mildew pressure before using TOPENCO.

DISEASES CONTROLLED

TOPENCO is an emulsifiable concentrate containing 100 g penconazole per litre, for the control of powdery mildew in apples, crab apples, pears, outdoor blackcurrants and recurrants, table and wine grapes, outdoor and protected strawberries.

A programme of different powdery mildew fungicides is required for season long control.

Podosphaera leucotricha
Grapes *Ucinula necator*

Curants *Diosphaera mors-uae*
Strawberry *Sphaerotheca macularis*

Integrated Pest Control: For the latest information consult your specialist advisor. Where insect pests are a problem, a specific insecticide should be used.

CROP SPECIFIC INFORMATION

Apples, crab apples, pear: Crop safety on pears has not been tested. Test on a small area prior to large scale application.

TOPENCO will reduce the spread of powdery mildew from primary infections and will also control the spread of secondary mildew.

Timing: TOPENCO should be applied as a foliar spray from BBCH 71 (fruit size up to 10 mm; fruit fall after flowering). Further applications can be made if disease pressure remains high. A programme of sprays should include not more than 3 sprays of TOPENCO in any one season. Allow a minimum of 10 days between applications. The latest time of application is 21 days before harvest.

Processing: Where the crop is destined for processing, consult your processor before treating with TOPENCO.

Blackcurrants and recurrants
Timing: TOPENCO should be used as a protective spray commencing at the first sign of disease (usually mid-late flowering) and continue at 7 day intervals. A further application can be made after harvest to protect plants further. A maximum of 2 applications should be made in any one cropping year.

The latest time of application is 28 days before harvest

Rate of use: TOPENCO should be used at the rate of 0.5 litres per hectare.

It is important to ensure complete coverage of the plant at all growth stages.

Volume: Apply TOPENCO in a minimum water volume of 2000 l/ha to achieve good coverage of the foliage without excessive run off.

Processing: Where the crop is destined for processing, consult your processor before treating with TOPENCO.

Strawberry (outdoor), strawberry (protected)

Rate of use: Apply TOPENCO at a rate of 0.5 litres product per hectare.

It is important to ensure complete coverage of the plant at all growth stages.

Timing: For optimum results apply TOPENCO preventatively or in the earliest stages of disease development but no earlier than the standard growth stage.

Outdoor strawberries: Apply TOPENCO from the beginning of stolon/runner formation, visible about 2 cm long (BBCH 4). Further applications can be made if disease pressure remains high. Up to 2 applications may be made in any one season. Allow a minimum of 10 days between applications.

Protected strawberries: Apply TOPENCO preventatively from the 3rd leaf unfolded stage (BBCH 13). Further applications can be made if disease pressure remains high. Up to 4 applications may be made

in any one season. Allow a minimum of 10 days between applications. The latest time of application for outdoor and protected strawberries is 3 days before harvest.

Volume: Apply in 300-2000 litres of water per hectare.

Processing: Where the crop is destined for processing, consult your processor before treating with TOPENCO.

Table and wine grapes

Rate of use: Apply TOPENCO at a rate of 0.3 litres product per hectare. It is important to ensure complete coverage of the plant at all growth stages.

Timing: Apply TOPENCO from the 3rd leaf unfolded stage (BBCH 13). Further applications can be made if disease pressure remains high. Up to 3 applications may be made per crop. Allow a minimum of 8 days between applications.

The latest time of application is 28 days before harvest

Volume: Apply in at 200-1000 litres of water per hectare.

Processing: Where the crop is destined for processing, consult your processor before treating with TOPENCO.

MIXING AND SPRAYING

For outdoor use apply through conventional crop spraying equipment. Apply using a medium quality spray as defined by BCCP. A spray pressure of at least 2 bar is preferred. Applications for the protected uses should be made via hydraulic nozzle applicator e.g. motorised sprayer with hand lance or boom lance or knapsack applications. Make sure the sprayer is set to give an even application at the correct volume. Fill the spray tank with half the required volume of water and begin agitation. Add the required amount of TOPENCO and continue agitation while adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying. Thoroughly wash all spraying and measuring equipment with water and a wetting agent immediately after use. Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).

Where application is by hand-held sprayer: Minimise drift away from target area to reduce effects on non-target insects or other arthropods.

RESISTANCE

TOPENCO contains penconazole, a DMI fungicide. The possible development of disease resistant to TOPENCO cannot be excluded or predicted. Disease control may be reduced accordingly if strains of fungi resistant to penconazole develop. No more than 4 applications of a DMI containing fungicide should be made for the control of powdery mildew in grapes.

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. 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.

For warehouse
purpose only

