

# AQ 10<sup>®</sup>



**A water dispersible granule formulation containing 580g/kg *Ampelomyces quisqualis* strain AQ10 (5.0 x 10<sup>9</sup> CFU/g), a naturally occurring hyperparasitic fungus that has not been modified in any way.**

AQ 10 is a water dispersible granular biofungicide for reducing powdery mildew on protected crops of aubergine, courgette and summer squash, cucumber, melon, pepper and chilli, strawberry, tomato, winter squash and pumpkin.

**Product registration number: MAPP 19968.**

- A parasite of a wide range of powdery mildew species.
- A naturally occurring fungus.
- 1 day harvest interval.
- Compatible with biological pest control and a wide range of other crop protection and production agents.
- Use preventatively or at the very first sign of powdery mildew.
- Use for disease control, for resistance management and for chemical residue reduction.

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

Use plant protection products safely. Always read the label and product information before use.

## VERSION CONTROL

| Version      | Publication Date | Major changes from previous version      |
|--------------|------------------|--|
| <b>03/18</b> | March-2018       | New format.                              |
| <b>12/22</b> | December 2022    | New MAPP number, 1 day harvest interval. |
| <b>06/23</b> | June 2023        | New pack size.                           |

## AQ 10<sup>®</sup>

The following text is taken from the approved Product Label:

**A water dispersible granule formulation containing 580g/kg *Ampelomyces quisqualis* strain AQ10 ( $5.0 \times 10^9$  CFU/g), a naturally occurring hyperparasitic fungus that has not been modified in any way.**

AQ 10 is a water dispersible granular biofungicide for reducing powdery mildew on protected crops of aubergine, courgette and summer squash, cucumber, melon, pepper and chilli, strawberry, tomato, winter squash and pumpkin.

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## 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.**

### DISEASE CONTROL

Powdery mildew diseases are among the most devastating diseases of cultivated crops, which infect a broad spectrum of host species including protected vegetables, protected cucumber, other protected cucurbits and protected strawberry. The disease will attack all plant parts including fruit, stems and leaves with new growth being most susceptible.

AQ 10 will reduce powdery mildew on protected crops of aubergine, courgette and summer squash, cucumber, melon, pepper and chilli, strawberry, tomato, winter squash and pumpkin.

### CROP RECOMMENDATIONS

AQ 10 can be used at all crop stages.

### APPLICATION RATE & FREQUENCY

AQ 10 is formulated as a water dispersible granule and can be applied with conventional spray equipment with sufficient water to ensure uniform coverage, including the underside of leaves.

Treatments should be applied preventatively before disease appears in the crop, when conditions are conducive to powdery mildew infection and development. AQ 10 should not be used as a curative treatment.

Application should be repeated every 7 to 10 days, with at least two successive applications at the rates indicated in the following table:

Pre-harvest interval: 1 day.

| Protected crop  | Application rate            |             |
|---|-----------------------------|-------------|
|   | Plant height/growing system | Rate (g/ha) |
| Aubergine, Cucumber, Pepper and Chilli, Tomato                | Up to 50cm                  | 35          |
|   | 50 to 125cm                 | 53          |
|   | above 125cm                 | 70          |
| Courgette and Summer Squash, Melon, Pumpkin and Winter Squash | Crops not grown vertically  | 70          |
|   | Up to 50cm                  | 35          |
|   | 50 to 125cm                 | 53          |
|   | Above 125cm                 | 70          |
| Strawberry  | All growing systems         | 70          |

AQ 10 works best if applied when the humidity is high, such as early morning or late evening. It is recommended that AQ 10 is applied with Nu-Film P (adjuvant A0635) at a rate of 0.3 litres/ha. The efficacy of AQ 10 may be improved when applied using this adjuvant.

### MIXING AND SPRAYING

Half-fill the spray tank with water. Add the required quantity of AQ 10 granules and leave for a minimum of 30 minutes without agitation. After the pre-soaking, continuously agitate the suspension whilst adding water to achieve the final target volume.

**Continuously agitate the tank mix to maintain suspension.** Use entire content of mixture within the same day of mixing. The viability of *Ampelomyces quisqualis* spores may decline if left in water for more than 12 hours.

### CLEANING EQUIPMENT

Wash out spray tank, pipes and nozzles at least twice with water immediately after application and dispose of washings safely.

### COMPATIBILITY

AQ 10 is a biological fungicide and may be affected by residues of, or subsequent applications of, other pesticide products. Consult the distributor regarding compatibility of other chemical or microbial products within a pest or disease control programme.

Do not tank mix AQ 10 with any chemical pesticide or concentrated fertiliser solution without consulting the distributor.

AQ 10 has been used on a wide range of crops, under a range of conditions and no phytotoxicity has been observed.

## RESISTANCE

There are no reports of resistance to AQ 10, however, it is good practice to use such products as components of Integrated Pest Management systems, alternating with other control measures. This is particularly important for sequential crops.

## STORAGE

AQ 10 contains living spores and particular care should be taken to store it properly. Store the product in a cool, dry place. If stored in the original sachet, AQ 10 has a guaranteed shelf-life of 1 year at room temperature. To maintain optimum efficacy of the product it should be used within 18 months if stored between 4 and 6°C. Do not store the product in extreme heat or cold temperature. Open sachets should be completely used. It is recommended not to store the product at temperatures higher than 30°C.

## RESTRICTIONS AND WARNINGS

Do not freeze.

| <b>IMPORTANT INFORMATION<br/>FOR USE ONLY AS A PROFESSIONAL FUNGICIDE</b>  |                                       |  |                                   |
|--|---------------------------------------|--|-----------------------------------|
| <b>Crops</b>   | <b>Maximum individual dose (g/ha)</b> | <b>Maximum number of treatments (per crop)</b> | <b>Latest time of application</b> |
| Aubergine (protected), courgette and summer squash (protected), cucumber (protected), melon (protected), pepper and chilli (protected), strawberry (protected), tomato (protected), winter squash and pumpkin (protected). | 70                                    | 12   | 1 day before harvest              |
| <b>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.</b>                                   |                                       |  |                                   |

**AQ 10: FOR PROFESSIONAL USE ONLY.**

A water dispersible granule formulation containing 58% w/w *Ampelomyces quisqualis* strain AQ10

(5 x 10<sup>9</sup> CFU/g).

**Precautionary Statements:**

Keep out of reach of children.

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

Wear protective gloves / protective clothing.

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.

**Supplementary Statements:**

Contains *Ampelomyces quisqualis* strain AQ10. May produce an allergic reaction.

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

**MAPP 19968**

## SAFETY PRECAUTIONS

**Precautionary statements**

Contains *Ampelomyces quisqualis* strain AQ10. May produce an allergic reaction.

Do not re-enter the treated area until the spray has dried.

**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), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT\* when handling the product or applying the product.

\*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

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

AVOID CONTACT with SKIN.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

WASH HANDS AND EXPOSED SKIN before meals and after work.

**Environmental protection**

Do not contaminate water with the product or its container. Do not clean application equipment near water/Avoid contamination via drains from farmyards and roads.

**Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

CLEAN ALL EQUIPMENT after use.

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**WARRANTY**

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with use and/or handling and/or the storage of the product, if this use and/or handling and/or storage are carried out contrary to the instructions on the label.

**APPROVAL HOLDER**

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via Zanica, 25

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Marketed in the UK and Ireland by Fargro Limited.

Pack size: 35g outer of 30.

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Safety data sheet available on request.

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DO NOT FREEZE