



**SERENADE<sup>®</sup>**  
**ASO**

10L e



## Fungicide

A fungicide for the reduction of fruit damage caused by grey mould (*Botrytis cinerea*) on protected strawberry crops.

### MAPP 16139

A suspension concentrate containing 1015.1 g/L *Bacillus subtilis* strain QST 713 (including fermentation residues and water).

Containing a minimum of  $1.05 \times 10^{12}$  cfu/L.

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

### Authorisation Holder and Marketing Company:

Bayer CropScience Ltd.  
230 Cambridge Science Park  
Milton Road, Cambridge  
CB4 0WB

Telephone: 01223 226500

### For 24 hour emergency information contact Bayer CropScience Ltd.

Telephone: 00800 1020 3333

### Safety Information

#### SERENADE ASO

Contains 1015.1 g/L *Bacillus subtilis* strain QST 713 (a minimum of  $1.05 \times 10^{12}$  cfu/L).

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 the instructions for use.**

#### IMPORTANT INFORMATION

**FOR USE ONLY AS A PROFESSIONAL FUNGICIDE, as directed below:**

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application
Strawberry (protected)	10.0 L/ha	6 per crop	0 days before harvest

**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.**

PROTECT FROM FROST. Do not store below 4°C.

### SAFETY PRECAUTIONS

#### Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT\* when handling the concentrate 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.

#### 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).

Use appropriate containment to avoid environmental contamination.

This material and its container must be disposed of in a safe way.

#### Storage and Disposal

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

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.

#### COMPANY ADVISORY INFORMATION

Serenade ASO is a naturally occurring biological control agent suitable for use in organic growing systems. It is approved for use in organic farming under EC Regulation No.834/2007 & 889/2008 by IMO Switzerland.

However, it is advisable to check with your organic certification scheme before use.



To access the **Safety Data Sheet** for this product scan the code or use the link below:

[www.cropscience.bayer.co.uk/serenadeasods](http://www.cropscience.bayer.co.uk/serenadeasods)

serenadeasods or alternatively contact your supplier

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# Bayer



## 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.

Serenade ASO is a biofungicide containing *Bacillus subtilis* QST 713, naturally occurring bacteria that are not genetically modified, for the reduction of fruit damage caused by grey mould (*Botrytis cinerea*) in protected strawberry crops.

It may be applied as a foliar spray alone or in alternating spray programmes with other registered crop protection products.

Alternating with fungicides of different modes of action, along with the use of cultural control methods, is advisable for resistance management.

### Restrictions and Warnings

CONSULT PROCESSOR BEFORE USING ON CROPS FOR PROCESSING.

Do not apply using irrigation equipment.

Micro-organisms may have the potential to provoke sensitising reactions.

### Disease Control

Serenade ASO is for the reduction of fruit damage caused by grey mould (*Botrytis cinerea*) on protected strawberry crops. For maximum effectiveness, Serenade ASO should be applied prior to or in the early stages of disease development. When disease pressure is high, use Serenade ASO in rotation with suitable approved chemicals.

### Crop Recommendations

Serenade ASO is for use on protected strawberry crops.

### Application Rates

Application rates of Serenade ASO should be 10 L/ha, applied up to every 7 days or in rotation with a suitable approved chemical.

### Mixing and Spraying

Before use ensure that all spray equipment is clean.

Add half the volume of water required, and start agitating.

Agitate product container well and add the required amount of Serenade ASO, continue filling spray tank with the required volume of water.

Keep agitating until spraying completed.

All application equipment must be thoroughly cleaned with water prior to storage or use on another crop.

Serenade ASO should be applied in sufficient water to ensure good crop cover, with a minimum of 400 L/ha.

### Storage

Serenade ASO is a biological product and so should be treated with some care. It can be stored at room temperature for two years, storage at higher temperatures may reduce its shelf-life.

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