

# Serifel fungicide

## technology sheet

An innovative biological fungicide with multiple modes of action that forms a shield of protection on plants' surfaces to protect against disease.

- Highly effective, biological fungicide for a wide range of crops
- Multiple unique modes of action form a protective shield against a broad-spectrum of diseases
- Complements both chemistry-based solutions and organic production
- Zero PHI, 4-hour REI and 36-month shelf life offer new flexibility and choice to address crop production challenges
- Sets the standard for purity, performance and quality

### Active ingredient

*Bacillus amyloliquefaciens*  
strain MBI 600 – Group 44

### Formulation

Wettable powder

### One pack contains

4 x 2 kg jugs

### Storage

Store product away from food or feed. Store in a dry area for up to 36 months from date of manufacture. Protect from freezing.

### Serifel in grapes



Untreated



Chemistry + Serifel

Source: BASF

### Crops and diseases suppressed

#### In bushberries and caneberries.

Botrytis gray mold (*Botrytis cinerea*)

2 to 10 day application interval

#### In carrots.

Leaf blight (*Alternaria dauci*)<sup>1</sup>

7 to 10 day application interval

Powdery mildew (*Erysipheheraclei*)<sup>1</sup>

5 to 7 day application interval

#### In cucumbers.

Downy mildew (*Pseudoperonospora cubensis*)<sup>1</sup>

7 to 10 day application interval

#### In cucurbit vegetable group.

Powdery mildew

7 to 10 day application interval

(*Sphaerotheca fuliginea* synonyms *Podosphaera xanthii*)<sup>1</sup>

#### In grapes.

Botrytis gray mold (*Botrytis cinerea*)

5 to 10 day application interval

Powdery mildew (*Erysiphe necator*)

#### In lettuce.

Botrytis gray mold (*Botrytis cinerea*)

7 to 10 day application interval

White mold (*Sclerotinia sclerotiorum*)<sup>1</sup>

Downy mildew (*Bremia lactuacae*)<sup>1</sup>

#### In low-growing berries.

Botrytis gray mold (*Botrytis cinerea*)

7 to 10 day application interval

#### In peppers.

Botrytis gray mold (*Botrytis cinerea*)

7 to 10 day application interval

Powdery mildew (*Leveillula taurica*)

#### In potatoes.

Early blight (*Alternaria solani*)

7 to 10 day application interval

Rhizoctonia stem canker /black scurf (*Rhizoctonia solani*)<sup>1,2</sup>

#### In sugar beets.

Cercospora leaf spot (*Cercospora beticola*)

7 to 10 day application interval

#### In field tomatoes.

Early blight (*Alternaria solani*)

7 to 10 day application interval

Botrytis gray mold (*Botrytis cinerea*)

### Serifel® fungicide must be used preventatively.

Maximum application rates and shorter spray intervals are recommended when conditions favour high disease pressure.

<sup>1</sup> Partial suppression.

<sup>2</sup> In-furrow. See label for application instructions.

**BASF**

We create chemistry

## Application rate

**One jug of Serifel fungicide will treat 2 to 8 ha (5 to 20 acres).**

Caneberries, carrots, cucumbers, cucurbit vegetable group, bushberries, grapes, low growing berries, peppers, potatoes	0.25 to 0.5 kg/ha (0.1 to 0.2 kg/ac)
Lettuce, tomatoes	0.25 to 1.0 kg/ha (0.1 to 0.4 kg/ac)
Sugar beets	0.28 to 0.5 kg/ha (0.11 to 0.2 kg/ac)

## Mixing order

1. Ensure the spray tank is clean before use.
2. Fill the spray tank 3/4 full of water and start agitation.
  - a. The pH of the spray solution should be between 4 and 9.
3. Before adding Serifel to the spray tank, create a pre-slurry by mixing the required amount of Serifel with water in a bucket.
4. With the spray tank agitation system running, add the Serifel pre-slurry to spray tank.
5. Add the required amount of tank-mix partner, if applicable.
6. Add the recommended amount of adjuvant, if applicable.
7. Continue agitation while filling the remainder of the spray tank, throughout mixing and application.
8. The spray mixture should be applied shortly after mixing. Do not allow the spray mixture to sit overnight.
9. After use, clean the spray tank according to label precautions.

The product mixture should be applied shortly after mixing. DO NOT store mixed suspensions of Serifel overnight.

## Application tips

**Rainfastness** – 3 hours.

**Restricted entry interval** – 4 hours or until sprays have dried.

**Resistance management** – Serifel is an excellent resistance management tool to include in an IPM program. It can be used in combination or rotation with other chemistries to prevent the development of resistant strains.

## Pre-harvest interval

0 days for all labeled crops.

## Tank mixes and additives

BASF supported tank-mix partners include:

- |                                  |                       |                      |                             |                   |
|----------------------------------|-----------------------|----------------------|-----------------------------|-------------------|
| • Apogee® plant growth regulator | • Sercadis® fungicide | • Copper hydroxide   | • Fludioxonil               | • Pyrimethanil    |
| • Cabrio® fungicide              | • Vivando® fungicide  | • Copper oxychloride | • Fluopyram                 | • Spinosad        |
| • Cantus® fungicide              | • Abamectin           | • Copper sulfate     | • Imidacloprid              | • Spirotetramat   |
| • Kumulus® fungicide             | • Acetamiprid         | • Cyprodinil         | • Non-ionic surfactant      | • Streptomycin    |
| • Nealta® miticide               | • Azoxystrobin        | • Difenconazole      | • Organosilicone surfactant | • Trifloxystrobin |
| • Pristine® fungicide            | • Captan              | • Dinutefuron        | • Paraffinic oil            |                   |
|                                  | • Chlorantraniliprole | • Fenhexamid         |                             |                   |

For other information concerning additives and supported tank mixes, contact **AgSolutions®** Customer Care or your BASF Sales Representative.

**For more information:** Call **AgSolutions** Customer Care at 1-877-371-BASF (2273) or visit [agsolutions.ca/horticulture](https://agsolutions.ca/horticulture).

## Always read and follow label directions.

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