

Supplemental Labeling

Serifel®

Biofungicide

Serifel is an agricultural biofungicide product for suppression of powdery mildew in hops.

This supplemental labeling expires November 10th, 2018, and must not be used or distributed after this date.

Active Ingredient:

Bacillus amyloliquefaciens strain MBI 600*† 9.9%

Other Ingredients: 90.1%

Total: 100.0%

*Serifel contains a minimum of 5.5×10^{10} viable spores per gram

†Formerly named *Bacillus subtilis* strain MBI 600

EPA Reg. No. 71840-18

CAUTION/PRECAUCION

Directions For Use

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- The supplemental labeling and the entire **Serifel** container label, EPA Reg. No. 71840-18, must be in possession of the user at the time of application.
- Read the label affixed to the container for **Serifel** before applying.
- Use of **Serifel** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Serifel**.

Product Information

This package contains **Serifel**, a wettable powder (WP). The active ingredient in **Serifel** is *Bacillus amyloliquefaciens* strain MBI 600, a beneficial microbe providing suppression of powdery mildew in hops. Apply **Serifel** preventively in low to medium disease pressure situations. **Serifel** can be applied as a foliar spray or a directed or banded spray. **Serifel** can be applied alone or in a tank mix with other registered pesticide products, unless otherwise noted in the **Crop-Specific Directions**. Apply **Serifel** in a regularly scheduled protective spray program and use in a rotation program with other registered pesticide products. Under higher disease pressure situations, **Serifel** can be tank-mixed with other registered pesticide products.

Application Instructions

Apply rates of **Serifel** as instructed by the **Crop-Specific Directions**. Apply **Serifel** with ground equipment, aerial equipment or through sprinkler irrigation equipment. Equipment must be checked frequently for calibration. If heavy rainfall or irrigation occurs shortly after application, reapplication of **Serifel** may be necessary.

Under low-level disease conditions, the minimum application rates can be used while maximum application rates and shortened spray schedules are to be used for severe or threatening disease conditions. Tank mixing **Serifel** with other registered pesticide products can also improve performance.

Restrictions and Limitations

- Crop Rotation Restriction** - None
- Preharvest Interval (PHI)** – 0 Day
- Re-entry Interval (REI)** – 4 hours
- Not for use** in greenhouse or transplant production
- Not for use** in California on crops marked with an asterisk (*) in **Crop-Specific Directions**

Crop-Specific Directions

Crop	Target Diseases	Product Use Rate per Application (oz or lb of Serifel®/Acre)	Application Directions
Hops*	Foliar diseases Powdery mildew <i>(Sphaerotheca macularis)</i>	4 – 16 oz/A (0.25 – 1.0 lb/A)	For Powdery mildew, begin foliar applications prior to onset of disease and continue on 5 –10 day intervals as needed. Mix and apply Serifel in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.

*Not registered for use in California.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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