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\(^*\d\)……………………………………………………………………………………… 9.9%

**Other Ingredients:** .......................................................................................................................................................... 90.1%

**Total:** ........................................................................................................................................................................ 100.0%

*Serifel* contains a minimum of 5.5 x 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

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709
# Crop-Specific Directions

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases</th>
<th>Product Use Rate per Application (oz or lb of Serifel®/Acre)</th>
<th>Application Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hops*</td>
<td>Foliar diseases</td>
<td>4 – 16 oz/A (0.25 – 1.0 lb/A)</td>
<td>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.</td>
</tr>
</tbody>
</table>

*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.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF’S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** that may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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*Serifel* is a registered trademark of BASF.