Serifel is an agricultural biofungicide/bactericide product for suppression of select foliar plant diseases in tobacco.

This supplemental labeling expires November 10th, 2019, and must not be used or distributed after this date.

**Active Ingredient:**
* Bacillus amyloliquefaciens strain MBI 600*† ................................................................. 11.0%

**Other Ingredients:** ........................................................................................................ 89.0%

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

*Serifel contains a minimum of 5.5 x 10^10 colony forming units per gram.
† Formerly named Bacillus subtilis strain MBI 600

**EPA Reg. No. 71840-18**

**CAUTION/PRECAUCIÓN**

**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.

**Application Instructions**

Apply rates of Serifel as instructed by the 
**Crop-Specific Directions.** Apply Serifel with ground 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 pest control products can also improve performance.

**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 listed foliar diseases in tobacco. 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 pest control products. Under higher disease pressure situations, Serifel can be tank mixed with other registered pesticide products.

**Restrictions and Limitations**

- Crop Rotation Restriction - None
- Preharvest Interval (PHI) – 0 Day
- Re-entry Interval (REI) – 4 hours
- Not for use in California on crops marked with an asterisk (*) in Crop-Specific Directions
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>Tobacco*</td>
<td>Foliar diseases</td>
<td>4 – 16 oz/A (0.25 – 1.0 lb/A)</td>
<td>Begin foliar applications prior to infection and continue on 7- to 10-day intervals if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. Mix and apply Serifel in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</td>
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<td></td>
<td>Angular leaf spot (Pseudomonas spp.)</td>
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<td>Anthracnose (Colletotrichum destructivum, Glomerella glycines)</td>
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<td>Barnspot/Frogeye leaf spot (Cercospora nicotianae)</td>
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<td>Brown spot (Alternaria alternata)</td>
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<td>Blue mold (Peronospora spp.)</td>
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<td>Botrytis gray mold (Botrytis cinerea)</td>
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<td>Collar rot (Sclerotinia sclerotiorum)</td>
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<td></td>
<td>Powdery mildew (Erysiphe cichoracearum)</td>
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<tr>
<td></td>
<td>Target spot (Rhizoctonia solani)</td>
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</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.

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