

# Protection above and below ground with Serifel® Biofungicide

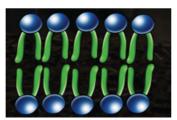
# **Benefits of Serifel Biofungicide**

- Greater CFU count than competitors
- Tankmix compatible with conventional products
- Rainfast within 3 hours
- Proven resistance management
- Low use rate

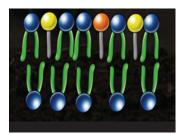
# Serifel Biofungicide Mode of Action: Membrane Integrity Disruptor (FRAC Grp 44)



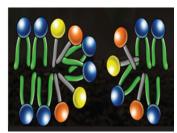
Metabolites



Healthy pathogen membrane

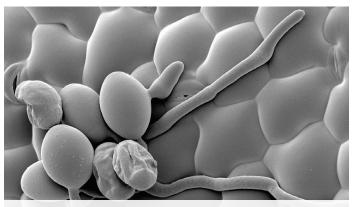


Metabolites insert into patheogen membrane

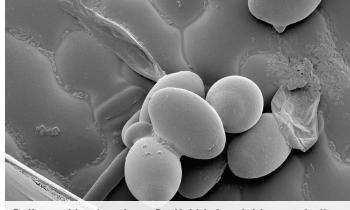


Pathogen membrane disrupted

### **Serifel Biofungicide at Work**



Healthy powdery mildew hyphae



Collapsed hyphae from Serifel biofungicide metabolites



# **Protect Your Crop From the Ground Up**

#### **Fusarium**





Serifel® Biofungicide 8 oz

#### **Rhizoctonia**





Untreated

# **Phytophthora**





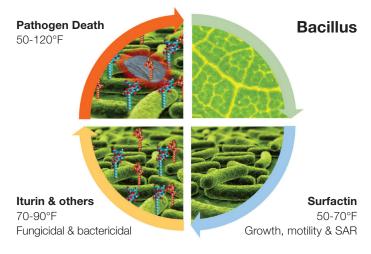
**Pythium** 





BASF sponsored trials. 2017 GLC Consulting, LLC. Quitman, GA. Pathogen inoculations by drip or drench applications.

## Why Serifel Provides Consistency\*



\*Adapted from: Monteiro Fernando, Pereira & Vasconcelos de Medeiros Flavio, Henrique & Marc, Ongena & Franzil, Laurent & de Souza Paulo, Estevao & de Souza Jorge, Teodoro. (2016). Effect of temperature, pH and substrate composition on production of lipopeptides by Bacillus amyloliquefaciens 629. African Journal of Microbiology Research.10.1506-1512. 10.5897/AJMR2016.8222.

# **Best Use Recommendations**

■ Use Rate: 4-16 oz/ac

Below Ground: 8-16 oz/ac

Above Ground: 4-8 oz/ac

■ PHI: 0 days

REI: 4 hours

Signal Word: Caution

■ MOA: 44

Rotation Restriction: None

Adjuvant: Spreader



To learn more about crop protection products from BASF, visit www.agproducts.basf.us



