**LUCENTO™ Fungicide**

**UNDER DEVELOPMENT FOR DISEASE CONTROL IN CORN TO OPTIMIZE PHOTOSYNTHETIC POTENTIAL AND GRAIN FILL**

Lucento™ fungicide encompasses two separate modes of action delivering broad-spectrum disease efficacy, resistance management, plant mobility and residual control. Lucento fungicide provides preventative and curative activity for improved protection against fungal pathogens.

### ACTIVE INGREDIENTS IN LUCENTO FUNGICIDE:

**FLUTRIAFOL (FRAC GROUP 3, DEMETHYLATION INHIBITOR)**

- Disrupts cell wall synthesis of fungi.
- Inhibits the production of sterols, important components of cell membranes.
- Active on developing spores.
- Delivers curative control of latent disease on the leaf.

**FEATURES AND BENEFITS:**

- Broad-spectrum disease efficacy.
- Low Koc value indicates weak attraction to clay and organic matter allowing soil availability for root uptake.
- Low Log Kow demonstrates water partiality enabling mobility with water and dissolved nutrients up the plant and out to leaf margins.

**FLUTRIAFOL ACTIVE INGREDIENT DIFFERENTIATES BY:**

- Disease efficacy
- Plant mobility
- Soil uptake
- Residual activity

**BIXAFEN (FRAC GROUP 7, SUCCINATE DEHYDROGENASE INHIBITOR)**

- Complex II inhibitor of mitochondrial respiration.
- Leads to an inhibition of respiration and ATP (energy) assembly.

**FEATURES AND BENEFITS:**

- Plant mobility through cuticle absorption and xylem transport.
- Uniform leaf distribution.
- Preventative activity on developing spores.

**BIXAFEN ACTIVE INGREDIENT DIFFERENTIATES BY:**

- New SDHI carboxamide fungicide.
- Broad-spectrum disease efficacy.
- Extended green leaf period.
- Increased yields.

### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>FORMULATION</th>
<th>SC - Suspension Conc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOADING</td>
<td>4.17 lbs. AI/gal.</td>
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<tr>
<td>SIGNAL WORD</td>
<td>CAUTION</td>
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</tbody>
</table>

### FOLIAR FUNGICIDE EFFICACY TRIALS

**SOUTHERN ILLINOIS UNIVERSITY**

**CARMi, Ii. 2017**

**GRAY LEAF SPOT – R1 APPLICATIONS**

<table>
<thead>
<tr>
<th>Check</th>
<th>Lucento fungicide 5 oz. + NIS 0.25% w/v @ VT</th>
<th>Headline AMP fungicide 10 oz. + NIS 0.25% w/v @ VT</th>
<th>Trivapro® fungicide (4 oz. - A, 10.5 oz. - B) + NIS 0.25% w/v</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-Jul</td>
<td>0.35</td>
<td>1.67</td>
<td>3.67</td>
</tr>
<tr>
<td>31-Jul</td>
<td>0.28</td>
<td>1.67</td>
<td>3.3</td>
</tr>
<tr>
<td>17-Aug</td>
<td>0.13</td>
<td>0.5</td>
<td>0.3</td>
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<tr>
<td>29-Aug</td>
<td>0.1</td>
<td>0.13</td>
<td>0.28</td>
</tr>
</tbody>
</table>

**USE RATE:**

- 4.0-5.5 fl. oz./A. For best results, apply 5.0-5.5 oz.

**APPLICATION GUIDELINES:**

- Emergence through R4 (early dough stage)
- Optimum application window: VT-R2
- REI – 12 hrs., 5 days for detasselling
- PHI – 10 days forage, 30 days grain and stover

**ADJUVANTS:**

- Nonionic surfactant 0.25% v/v, or other high-quality surface active agent at labeled rate for improved coverage.
- Do not use adjuvant after the V8 and prior to the VT corn growth stage.

### SOUTHERN ILLINOIS UNIVERSITY

**CARMi, Ii. 2017**

**GRAY LEAF SPOT – R1 APPLICATIONS**

- Check
- Headline AMP fungicide
- Trivapro fungicide
- Lucento fungicide