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 yield.

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**TECHNICAL INFORMATION**

<table>
<thead>
<tr>
<th>FRAC GROUP</th>
<th>3, 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMULATION</td>
<td>SC - Suspension Conc.</td>
</tr>
<tr>
<td>LOADING</td>
<td>4.17 lbs. Al/gal.</td>
</tr>
<tr>
<td>SIGNAL WORD</td>
<td>CAUTION</td>
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</tbody>
</table>

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**FOLIAR FUNGICIDE EFFICACY TRIALS**

**UNIVERSITY OF KENTUCKY**
PRINCETON, KY 2017

<table>
<thead>
<tr>
<th>Disease</th>
<th>Untreated Check</th>
<th>Lucento fungicide 5 oz + NIS 0.25% v/v @ R3</th>
<th>Priaxor® D fungicide 4 oz + NIS 0.25% v/v @ R3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frogeye Leaf Spot % Severity</td>
<td>47</td>
<td>14</td>
<td>21</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF KENTUCKY**
PRINCETON, KY 2017

<table>
<thead>
<tr>
<th>Disease</th>
<th>Untreated Check</th>
<th>Lucento fungicide 5 oz/A + NIS 0.25% v/v @ R3</th>
<th>Quadris Top SBX fungicide 7 oz/A + NIS 0.25% v/v @ R3</th>
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</thead>
<tbody>
<tr>
<td>Asian Soybean Rust % Severity</td>
<td>78</td>
<td>10</td>
<td>23</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF TENNESSEE**
MILAN, TN 2017
FROGEYE LEAF SPOT – R3 APPLICATIONS

- Untreated Check
- Quadris Top® SBX
- Lucento fungicide

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**USE RATE:**
- 4.0-5.5 fl. oz./A. For best results, apply 5.0-5.5 oz.

**APPLICATION GUIDELINES:**
- Emergence through R5 (Beginning Seed)
- Optimum application window: R1 - R3
- REI – 12 hrs.
- PHI – 21 days before grain harvest

**ADJUVANTS:**
- Nonionic surfactant 0.25% v/v, or other high-quality surface active agent at labeled rate for improved coverage.

**DISEASES CONTROLLED:**
- Frogeye Leaf Spot
- Septoria Brown Spot
- Cercospora Leaf Blight
- Asian Soybean Rust
- Target Spot
- Aerial Web Blight
- Anthracnose