### Azoxystrobin (Quadris®) vs. Pyraclostrobin (Headline®)

<table>
<thead>
<tr>
<th>Property</th>
<th>Azoxystrobin</th>
<th>Pyraclostrobin</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mobility</strong></td>
<td>Excellent local systemic activity</td>
<td>Excellent local systemic activity</td>
</tr>
<tr>
<td></td>
<td>Excellent translaminar activity</td>
<td>NOT Xylem mobile</td>
</tr>
<tr>
<td></td>
<td>Xylem mobile</td>
<td>Soil</td>
</tr>
<tr>
<td>Soil</td>
<td></td>
<td>NO systemic movement through roots and stems.</td>
</tr>
<tr>
<td><strong>Benefit</strong></td>
<td>Controls disease in the soil, on the roots and in the newly emerging shoot.</td>
<td>Controls disease in the soil and on the roots.</td>
</tr>
<tr>
<td><strong>Foliar</strong></td>
<td>ACTIVE movement through the xylem past the point of contact. Potential redistribution within the plant through washoff and subsequent contact with the plant tissue or soil. Movement into leaflets on the same leaf.</td>
<td>NO movement past point of leaf contact except through leaf surface and translaminar movement. Will not move into leaflets on the same leaf unless direct contact is made.</td>
</tr>
<tr>
<td><strong>Benefit</strong></td>
<td>Helps provide control on tissue that may have been missed with spray deposit. For diseases where curative activity is present, systemic action provides increased efficacy.</td>
<td>No unique benefits.</td>
</tr>
<tr>
<td><strong>Curative / Protectant Activity</strong></td>
<td>Protectant – Primary means of control. Curative activity on selected fungi and crops.</td>
<td>Protectant – Primary means of control. Curative activity on selected fungi and crops.</td>
</tr>
<tr>
<td><strong>Benefit</strong></td>
<td>Broad-spectrum disease control. Disease control activity beyond the area of fungicide contact.</td>
<td>Broad-spectrum disease control.</td>
</tr>
<tr>
<td><strong>Rainfastness</strong></td>
<td>Azoxystrobin moves slowly into leaf with potential for surface redistribution.</td>
<td>Pyraclostrobin moves slowly into leaf with potential for surface redistribution.</td>
</tr>
<tr>
<td><strong>Benefit</strong></td>
<td>Excellent control of foliar diseases.</td>
<td>Excellent control of foliar diseases.</td>
</tr>
<tr>
<td><strong>Crop Safety</strong></td>
<td>Excellent crop safety on labeled crops.</td>
<td>Excellent crop safety on labeled crops.</td>
</tr>
</tbody>
</table>
Azoxystrobin cont. | Pyraclostrobin cont.
---|---
**Disease Spectrum of Activity**
Active on fungi in all four fungi classes. Broad crop label and disease control. Includes activity on oomycetes.

**Yield and Quality Effects**
Systemic and broad spectrum fungicidal activity from foliar application, along with physiological effects, provide yield and quality benefits in labeled crops.

**Mode of Action**
Inhibition of cell respiration (mitochondria). Inhibition of spore germination, germ tube elongation, mycelial growth and sporulation.

**Application Options**
Aerial
Chemigation
Ground

**Re-entry Interval**
4 hours

**Formulations**
2.08 SC Ag Quadris®

Pyraclostrobin cont. | Pyraclostrobin cont.
---|---
**Disease Spectrum of Activity**
Active on fungi in all four fungi classes. Broad crop label and disease control. Includes activity on oomycetes.

**Yield and Quality Effects**
Broad spectrum fungicidal activity from foliar application, along with physiological effects, provide yield and quality benefits in labeled crops.

**Mode of Action**
Inhibition of cell respiration (mitochondria). Inhibition of spore germination, germ tube elongation, mycelial growth and sporulation.

**Application Options**
Aerial
Chemigation
Ground

**Re-entry Interval**
12 hours

**Formulations**
2.09 EC Ag Headline®

Highlighted areas denote significant areas of difference.

- Maximizes plant performance and, in field tests, boosts yields an average of 5.5 bu/A, improving your bottom line
- Provides complete control of key foliar soybean diseases
- Impacts plant physiology to produce greener plants, larger beans, fuller pods and improved pod retention for better harvests
- Provides complete plant protection with the excellent xylem-mobile, systemic activity of the X-Factor™.
- Offers application flexibility and long-lasting residual disease control