Fungicide Use Strategies

#1 - Low Rust Risk:

- No disease detected in immediate area or in sentinel plots; no rust forecasting alerts
- Crop between R1 and R6
- DO NOT SPRAY
- Reevaluate at regular intervals through R6

#2 - High Rust Risk, Preventative Program:

- High rust risk based on observations from regional sentinel plots and rust forecasting
- Rust not detected in local soybean crop
- Crop between R1 and R6
- **Fungicide applications:**
  1) Chlorothalonil or premix or strobilurin
  2) Premix or strobilurin\(^1\) or triazole
  3) Premix\(^2\) or strobirun\(^3\) or triazole\(^4\)

\(^1\) If first application was not a strobilurin; \(^2\) if no more than one other premix has been applied; \(^3\) if no more than one other strobilurin has been applied and the second application was not a strobilurin; \(^4\) if the second application was not a triazole

#3 - Rust Detected, Curative Program:

- Rust detected at low levels (1-10% of leaves in lower crop canopy) in your field or your neighbors field
- Crop between R1 and R6
- **Fungicide applications:**
  1) Premix or strobilurin\(^1\) + triazole or triazole
  2) Premix or triazole\(^2\) or strobilurin\(^1\)
  3) Premix\(^3\) or triazole\(^4\) or strobilurin\(^1\)

\(^1\) Do not apply strobilurins if disease incidence exceeds 3%, or as indicated on the product label; \(^2\) if the first application was not a triazole; \(^3\) if no more than one other premix has been applied; \(^4\) if the second application was not a triazole

#4 - Rust Detected In Mid Canopy:

- Crop between R1 and R6
- Weather favorable for rust development
- Crop may not respond to treatment; fungicide application may not be economical
- Triazoles provide the best hope
• DO NOT apply a strobilurin

Information obtained from the Fungicide Manual for Soybean Rust, Dorrance, Draper and Hershman, January 15, 2005

Following is a list of fungicide available for Asian soybean rust control in Alabama.

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Manufacturer</th>
<th>Active ingredient</th>
<th>fungicide group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quadris 2.08F</td>
<td>Syngenta</td>
<td>azoxystrobin</td>
<td>strobilurin</td>
</tr>
<tr>
<td>Headline</td>
<td>BASF</td>
<td>pyraclostrobin</td>
<td>strobilurin</td>
</tr>
<tr>
<td>Echo 6.0F</td>
<td>Sipcam Agro</td>
<td>chlorothalonil</td>
<td>chlorothalonil</td>
</tr>
<tr>
<td>Stratego</td>
<td>Bayer</td>
<td>propiconazole + trifloxystrobin</td>
<td>triazole+  strobilurin</td>
</tr>
<tr>
<td>Laredo EC</td>
<td>Dow Agro.</td>
<td>myclobutanil</td>
<td>triazole</td>
</tr>
<tr>
<td>Laredo EW</td>
<td>Dow Agro.</td>
<td>myclobutanil</td>
<td>triazole</td>
</tr>
<tr>
<td>Bumper 3.6EC</td>
<td>Makhteshim</td>
<td>propiconazole</td>
<td>triazole</td>
</tr>
<tr>
<td>Tilt 3.6 EC</td>
<td>Syngenta</td>
<td>propiconazole</td>
<td>triazole</td>
</tr>
<tr>
<td>PropiMax 3.6EC</td>
<td>Dow Agro.</td>
<td>propiconazole</td>
<td>triazole</td>
</tr>
<tr>
<td>Domark 125SL</td>
<td>Valent</td>
<td>tetraconazole</td>
<td>triazole</td>
</tr>
<tr>
<td>Folicur</td>
<td>Bayer</td>
<td>tebuconazole</td>
<td>triazole</td>
</tr>
</tbody>
</table>