FIELD EXPERIMENT HISTORY

Title: Foliar Fungicide Timing
Experiment: 10 Foliar Fungicide Timing  Trial ID: 2674  Year: 2005
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Arlington, WI  County: Columbia
Supported By: BASF Corporation

Site Information
Field: ARS368N  Previous Crop: Corn  Soil Type: Plano Silt Loam
Soil Test: Date: 10/15/05  pH 6.3  OM (%) 3.2  P (ppm) 30  K (ppm) 162

Plot Management
Tillage Operations: Chisel Plow  Field Cultivator  Cultivated 6/23/05
Fertilizer:
Preplant Analysis: 46-0-0  Rate lbs/A: 325  Date: 4/15/05
Starter Analysis: N/A  Rate lbs/A: N/A  Date: N/A
Post plant Analysis: 34-0-0  Rate lbs/A: 150  Date: 6/27/05
Manure: N/A
Herbicide:
Outlook 20 oz/A  Insecticide: Force 3G 4.4 lbs/A
Hornet 4.0 oz/A  Hybrid: Dekalb DKCS3-34
Accent 0.67 oz/A
Callisto 3.0 oz/A
Irrigation: None
Planting Date: 4/29/05  Planting Depth: 1.5"  Row Width 30"
Target Plant Density: 30000 plants per acre  Planting Method: Kinze 3000 Row Planter
Harvest Date: 10/26/05  Harvest Method: Massey Ferguson 8XP
Notes: Method of Application: CO2 Backpack sprayer, 10' boom, 15" spacing, TeeJet 8002VS nozzles, 30 lb pressure, 3.5 mph, 19.6 gal H2O/Acre.

Experimental Design
Design: RCB  Replications: 4
Plot Size Seeded: 10' x 30'  Experiment Size: 0.3 Acre
Harvest Plot Size: 5' x 30'  Harvest Plant Density: 33033 plants per acre
Factors/Treatments:
Application:
1. Check
2. Headline @ 6.0 g a.i. /A; NIS @ 0.125 g/A @ V17 on 7/18/05
3. Headline @ 6.0 g a.i. /A; NIS @ 0.125 g/A @ VT on 7/21/05
4. Headline @ 6.0 g a.i. /A; NIS @ 0.125 g/A @ R1 on 7/25/05
5. Headline @ 9.0 g a.i. /A; NIS @ 0.125 g/A @ V17 on 7/18/05
6. Headline @ 9.0 g a.i. /A; NIS @ 0.125 g/A @ VT on 7/21/05
7. Headline @ 9.0 g a.i. /A; NIS @ 0.125 g/A @ R1 on 7/25/05
Observation Ratings:
1. Stay Green
2. Completely Brown 1. Poor (diseased)
3. 25% Green  2. Moderate
4. 50% Green  3. Best (healthy)
5. 75% Green 6. Completely Green
Results: Table C-63.
### Table C-63. BASF Headline Trial - ARS368N
Arlington, WI - 2005

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Application</th>
<th>Grain Timing</th>
<th>Grain yield</th>
<th>Grain moisture</th>
<th>Test weight</th>
<th>Lodging %</th>
<th>Grower return</th>
<th>Disease rating</th>
<th>Stay Green rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>181</td>
<td>17.4</td>
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<tr>
<td>2</td>
<td>Headline@ 6.0; NIS@0.125</td>
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<td>Headline@ 9.0; NIS@0.125</td>
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<td>195</td>
<td>17.2</td>
<td>60</td>
<td>16</td>
<td>314</td>
<td>3.0</td>
<td>4.8</td>
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</table>

Mean: 190 17.3 60 14 305 2.5 4.0

**Probability (%)**

| Treatment | 20.2 | 44.9 | 22.5 | 42.9 | 18.6 | 9.8 | 5.4 |

**LSD (0.10)**

| Treatment | NS   | NS   | NS   | NS   | NS   | 0.6 | 0.9 |

**CV (%)**

| 7 | 2 | 1 | 53 | 6 | 20 | 18 |
FIELD EXPERIMENT HISTORY

Title: Foliar Fungicide Timing
Experiment: 10 Foliar Fungicide Timing  
Trial ID: 2675  
Year: 2005
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Arlington, WI  
County: Columbia
Supported By: BASF Corporation

Site Information
Field: ARS372  
Previous Crop: Soybean  
Soil Type: Plano Silt Loam
Soil Test: Date: 10/15/05  
PH: 5.7  
OM (%): 3.7  
P (ppm): 35  
K (ppm): 202

Plot Management
Tillage Operations: Chisel Plow  
Field Cultivator  
Soil Finisher  
Cultivated: 6/23/05
Preplant Analysis: Rate lbs/A: 46-0-0  
Starter Analysis: Rate lbs/A: 325  
Date: 4/15/05
Post plant Analysis: Rate lbs/A: N/A  
Date: N/A
Herbicide: Outlook 20 oz/A  
Insecticide: None  
Hybrid: NK Brand N50-P5
Irrigation: None
Planting Date: 4/28/05  
Planting Depth: 1.5"  
Row Width: 30"
Target Plant Density: 30000 plants per acre  
Planting Method: Kinze 3000 Row Planter
Harvest Date: 10/26/05  
Harvest Method: Massey Ferguson 8XP
Notes: Method of Application: CO2 Backpack sprayer, 10’ boom, 15” spacing, TeeJet 8002VS nozzles, 30 lb pressure, 3.5 mph, 19.6 gal H2O/Acre.

Experimental Design
Design: RCB  
Replications: 4
Plot Size Seeded: 10’ x 30’  
Experiment Size: 0.3 Acre
Harvest Plot Size: 5’ x 30’  
Harvest Plant Density: 31487 plants per acre
Factors/Treatments:
Application:
1. Check
2. Headline @ 6.0 g a.i./A; NIS @ 0.125 g/A @ V17 on 7/18/05
3. Headline @ 6.0 g a.i./A; NIS @ 0.125 g/A @ VT on 7/21/05
4. Headline @ 6.0 g a.i./A; NIS @ 0.125 g/A @ R1 on 7/25/05
5. Headline @ 9.0 g a.i./A; NIS @ 0.125 g/A @ V17 on 7/18/05
6. Headline @ 9.0 g a.i./A; NIS @ 0.125 g/A @ VT on 7/21/05
7. Headline @ 9.0 g a.i./A; NIS @ 0.125 g/A @ R1 on 7/25/05

Observation Ratings:
1. Completely Brown  
2. 25% Green  
3. 50% Green  
4. 75% Green  
5. Completely Green  
1. Poor (diseased)  
2. Moderate  
3. Best (healthy)

Results: Table C-64.
Table C-64. BASF Headline Trial - ARS372

Arlington, WI - 2005

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Application</th>
<th>Application Timing</th>
<th>Grain yield bu/A</th>
<th>Grain moisture %</th>
<th>Test weight lb/bu</th>
<th>Lodging %</th>
<th>Grower return $/A</th>
<th>Disease rating 1-10</th>
<th>Stay Green rating 1-10</th>
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Probability (%)

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LSD (0.10)

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CV (%)

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