FIELD EXPERIMENT HISTORY

Title: Foliar Fungicide Timing
Experiment: 10 Foliar Fungicide Timing  Trial ID: 2571  Year: 2004
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Arlington, WI  County: Columbia
Supported By: BASF Corporation

Site Information
Field: ARS 358  Previous Crop: Soybean  Soil Type: Plano Silt Loam
Soil Test: Date: 10/15/04  pH: 6.6  OM (%): 2.6  P (ppm): 43  K (ppm): 311

Plot Management
Tillage Operations: Chisel Plow  Field Cultivator  Soil Finisher  Cultivated: 6/25/04
Fertilizer: Preplant Analysis: 46-0-0  Rate lbs/A: 325  Date: 4/15/04
Starter Analysis: N/A  Rate lbs/A: N/A  Date: N/A
Post plant Analysis: N/A  Rate lbs/A: N/A  Date: N/A
Manure: N/A
Herbicide: Harness 2.5 pt/A  Insecticide: None
Hornet 4.0 oz/A  Hybrid: Dekalb DKC5334
Irrigation: None
Planting Date: 5/6/04  Planting Depth: 1.5"  Row Width: 30"
Target Plant Density: 30000 plants per acre  Planting Method: Kinze 3000 Row Planter
Harvest Date: 10/21/04  Harvest Method: Kincaid Plot Combine

Experimental Design
Design: RCB  Replications: 4
Plot Size Seeded: 10' x 30'  Experiment Size: 0.55 Acre
Harvest Plot Size: 5' x 27.5'  Harvest Plant Density: 27895 plants per acre
Factors/Treatments:
Application:
1. Check
2. Headline @ 6.14 g a.i. /A; NIS @ 0.125 g/A @ V4
3. Headline @ 6.14 g a.i. /A NIS @ 0.125 g/A @ V6
4. Headline @ 6.14 g a.i. /A; NIS @ 0.125 g/A @ V9
5. Headline @ 6.14 g a.i. /A; NIS @ 0.125 g/A @ V14
6. Headline @ 6.14 g a.i. /A; NIS @ 0.125 g/A @ VT
7. Headline @ 9.2 g a.i. /A; NIS @ 0.125 g/A @ V4
8. Headline @ 9.2 g a.i. /A; NIS @ 0.125 g/A @ V6
9. Headline @ 9.2 g a.i. /A; NIS @ 0.125 g/A @ V9
10. Headline @ 9.2 g a.i. /A; NIS @ 0.125 g/A @ V14
11. Headline @ 9.2 g a.i. /A; NIS @ 0.125 g/A @ VT
12. Headline @ 3.07 g a.i. /A; NIS @ 0.125 g/A @ V9
13. Headline @ 3.07 g a.i. /A; NIS @ 0.125 g/A @ V14
14. Quadris @ 6.14 g a.i. /A @ VT

Observation Ratings:
Stay Green  Disease (Based on leaf area affected).
1. Completely Brown  1. Poor (diseased)
2. 25% Green  5. Moderate
3. 50% Green  9. Best (healthy)
4. 75% Green
9. Completely Green

Results: Table C-71.
Table C-71. BASF Headline Trial.
Arlington, WI - 2004

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Application</th>
<th>Appl Timing</th>
<th>Harvest population</th>
<th>Lodging</th>
<th>Grain yield</th>
<th>Grain moisture</th>
<th>Test weight</th>
<th>Grower return</th>
<th>Disease rating</th>
<th>Stay Green rating</th>
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Mean: 27895, 0, 204, 26.2, 51, 336, 7.1, 6.3

**Probability (%)**
- Treatment (T): 72.1, 73.2, 8.5, 1.7, 11.7, 30.7, 0.1, 16.4

**LSD (0.10)**
- Treatment (T): NS, NS, 8, 0.8, NS, NS, 0.6, NS

**CV (%)**
- 3.6, 329, 3, 3, 1, 4, 8, 10