2007 Foliar Fungicide Trials on Corn
South Central Agricultural Laboratory
Clay Center, NE

Tamra Jackson
Extension Plant Pathologist
University of Nebraska-Lincoln
2007 Foliar Fungicide Trials

- New high clearance sprayer for 2007
- Elevated disease risk:
  - Continuous corn
- Late planting (May 14, 2007)
  - 6 reps
  - 20 gpa
  - Overhead sprinkler irrigated

South Central Ag Lab, Clay Center, NE
Acknowledgement – Big John Manufacturing, Althouse, Ridgway, Rathje
2007 Corn Yield in NE

DKC 60-19 (GLS rating = 7/fair)

Quadris: ab 200
Tilt: ab 185
Quilt: ab 197
Headline: a 204
Stratego: ab 202
Headline: ab 201
Stratego: ab 183
None: b 183

South Central Agricultural Lab near Clay Center, NE
Planted May 14, 2007, 6 reps
Fungicides applied at VT (July 23), 20 gpa, NIS = 0.25% v/v
2007 Corn Yield in NE

DKC 61-66 (GLS rating = 5/good)

- Quadris: 207 (ab)
- Tilt: 191 (c)
- Quilt: 213 (a)
- Headline: 207 (ab)
- Stratego: 214 (a)
- Headline: 209 (ab)
- Stratego: 211 (a)
- None: 195 (bc)

Planted May 14, 2007, South Central Ag Lab, Clay Center, NE
Fungicides applied at VT (July 23), 20 gpa, NIS = 0.25% v/v, 6 reps

Tamra Jackson, Extension Plant Pathologist
AUDPC = area under disease progress curve
Disease rated July 15 and 30, August 20
Planted May 14, 2007, South Central Ag Lab, Clay Center, NE
Fungicides applied at VT (July 23), 20 gpa, NIS = 0.25% v/v, 6 reps

DKC 60-19
GLS rating = fair (7)

DKC 61-66
GLS rating = good (5)
The late season (early August) development of severe southern rust in Nebraska in 2006 led to questions about the profitability of late-season fungicide applications.
2007 Corn Yield in NE

DKC 60-19 (GLS rating = 7/fair)

Planted May 14, 2007, South Central Ag Lab, Clay Center, NE
Headline (6 fl oz/A + 0.25% NIS) applied at 20 gpa, NIS = 0.25% v/v, 6 reps

Tamra Jackson, Extension Plant Pathologist
2007 Corn Yield in NE

DKC 61-66 (GLS rating = 5/good)

Tassel: 22 July, 212
Milk: 6 Aug, 215
Dough: 21 Aug, 210
Dent: 30 Aug, 211
Non-treated: 199

Planted May 14, 2007, South Central Ag Lab, Clay Center, NE
Headline (6 fl oz/A + 0.25% NIS) applied at 20 gpa, NIS = 0.25% v/v, 6 reps

Tamra Jackson, Extension Plant Pathologist