

FIELD EXPERIMENT HISTORY

Title: Tryon Seed Treatment Trial
Experiment: 08 Seed Treatment **Trial ID:** 2739 **Year:** 2005
Personnel: J. G. Lauer, K.D.Kohn and P.J. Flannery
Location: Arlington, WI **County:** Columbia
Supported By: Tryon Group

Site Information

Field: ARS428 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/15/05 **pH** 6.6 **OM (%)** 3.4 **P (ppm)** 49 **K (ppm)** 91

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Soil Finisher Cultivated 6/09/05

Fertilizer:	Preplant	Analysis	Rate	Date
		46-0-0	325	4 /14/05
	Starter	9-24-24	150	5 /9 /05
	Post plant	N/A	N/A	N/A
	Manure:	N/A	N/A	N/A

Herbicide: Outlook 20 oz/A (4/22/05) **Insecticide:** N/A
 Hornet 4.0 oz/A (4/22/05)

Irrigation: None **Hybrid:** Unknown

Planting Date: 4/28/05 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 30000 plants per acre **Planting Method:** Kinze Plot Planter

Harvest Date: 10/24/05 **Harvest Method:** Massey Ferguson 8XP

Experimental Design

Design: RCB **Replications:** 2
Plot Size Seeded: 5' x 25' **Experiment Size:** 0.7 Acre
Harvest Plot Size: 5' x 22' **Harvest Plant Density:** N/A plants per acre

Treatments :

Untreated Check	Vortex AT	MaximXL + ApronXL + Baytan 30
Captan 400	Vortex - Metalaxyl	MaximXL + ApronXL + TGAB 1
Captan 400 +Allegiance	TG 595.05 + Metalaxyl	MaximXL + ApronXL + TGAB 2
MaximXL	Charter + Metalaxyl	TGN1500C250S2
MaximXL + ApronXL	TG 595.05 + Metalaxyl + TG 516.30	MaximXL + ApronXL + TGN150C250S2
MaximXL + ApronXL + Dynasty	TG 595.05 + Metalaxyl + TG 500.05A	MaximXL + ApronXL + TGN250GREN1
MaximXL + ApronXL + Trilex	TG 595.05 + Metalaxyl + TG 510.20	MaximXL + ApronXL + Dynasty + Poncho 1250
MaximXL + ApronXL + TG 500.05A	TG 500.05A + Metalaxyl	MaximXL + ApronXL + Dynasty + TG8100-6.2
MaximXL + ApronXL + TG 500.05B	TG 500.10A + Metalaxyl	MaximXL + ApronXL + Dynasty + TG8100-500
MaximXL + ApronXL + TG 510.20	TG 516.30 + Metalaxyl	MaximXL + ApronXL + Dynasty + Gaucho
MaximXL + ApronXL + TG 516.30	TG 510.20 + Metalaxyl	MaximXL + ApronXL + Dynasty + TG8150.34-Gaucho.38

Results: TableC-47.

**Table C-47. Tryon Seed Treatment Study
Arlington, WI - 2005**

Trt	Seed Treatment	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
1	Untreated Check	206	21.3	55	313
2	Captan 400	230	21.2	55	350
3	Captan 400 +Allegiance	208	20.7	56	317
4	MaximXL	222	20.6	55	339
5	MaximXL + ApronXL	238	20.1	56	365
6	MaximXL + ApronXL + Dynasty	215	20.4	56	330
7	MaximXL + ApronXL + Trilex	215	21.5	56	325
8	MaximXL + ApronXL + TG 500.05A	214	20.8	56	326
9	MaximXL + ApronXL + TG 500.05B	228	21.0	55	347
10	MaximXL + ApronXL + TG 510.20	217	20.4	56	333
11	MaximXL + ApronXL + TG 516.30	215	19.9	56	332
12	Vortex AT	228	21.3	55	346
13	Vortex - Metalaxyl	221	19.8	55	340
14	TG 595.05 + Metalaxyl	224	20.5	56	343
15	Charter + Metalaxyl	229	20.2	56	351
16	TG 595.05 + Metalaxyl + TG 516.30	223	20.6	55	341
17	TG 595.05 + Metalaxyl + TG 500.05A	218	20.3	56	335
18	TG 595.05 + Metalaxyl + TG 510.20	218	21.0	56	332
19	TG 500.05A + Metalaxyl	196	20.6	56	300
20	TG 500.10A + Metalaxyl	209	20.7	55	319
21	TG 516.30 + Metalaxyl	231	20.5	57	353
22	TG 510.20 + Metalaxyl	232	20.0	55	358
23	MaximXL + ApronXL + Baytan 30	244	20.5	56	374
24	MaximXL + ApronXL + TGAB 1	208	19.6	57	322
25	MaximXL + ApronXL + TGAB 2	222	20.3	56	341
26	TGN1500C250S2	224	20.5	55	343
27	MaximXL + ApronXL + TGN150C250S2	237	20.8	56	362
28	MaximXL + ApronXL + TGN250GREN1	214	21.0	55	325
29	MaximXL + ApronXL + TGN350C2C	204	20.2	56	313
30	MaximXL + ApronXL + TGN465B1	230	20.1	56	354
31	MaximXL + ApronXL + TGN565B2	238	20.6	56	363
32	MaximXL + ApronXL + ZN8CWT	218	20.5	55	334
33	MaximXL + ApronXL + Dynasty + Cruiser (L)	239	19.2	57	372
34	MaximXL + ApronXL + Dynasty + Cruiser (H)	218	20.1	56	335
35	MaximXL + ApronXL + Dynasty + Poncho 250	228	19.6	57	354
36	MaximXL + ApronXL + Dynasty + Poncho 1250	229	20.0	55	352
37	MaximXL + ApronXL + Dynasty + TG8100-6.2	206	19.6	56	319
38	MaximXL + ApronXL + Dynasty + TG8100-500	209	20.4	56	321
39	MaximXL + ApronXL + Dynasty + Gaucho	189	21.0	57	287
40	MaximXL + ApronXL + Dynasty + TG8150.34-Gaucho.38	237	20.1	55	364
Mean		221	20.4	56	338
Probability(%)					
Treatment		45.4	60.2	89.5	47.0
LSD(0.10)					
Treatment		NS	NS	NS	NS
CV(%)					
		8	4	2	8