

FIELD EXPERIMENT HISTORY

Title: Bayer CropScience Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 3000 **Year:** 2007
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: Bayer Crop Science

Site Information

Field: ARS 428 **Previous Crop:** Corn **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 11/01/07 **pH** 7.0 **OM (%)** 2.8 **P (ppm)** 38 **K (ppm)** 114

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Cultivated 6/8/07
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 325 **Date:** N/A
Starter Analysis: 9-23-30 **Rate lbs/A:** 150 **Date:** 4/30/07
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Hornet 4.0 oz/A **Insecticide:** Aztec 2.1G 7.3 lbs/A
Harness 24 oz/A **Hybrid:** Pioneer 36B01
Banvel 2.0 oz/A
Irrigation: None
Planting Date: 4/30/07 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 33454 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: 9/28/07 **Harvest Method:** Massey Ferguson 8XP
Notes: Trial ID: SD07NARMZGUHM5

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 72' x 10' **Experiment Size:** 0.31 A
Harvest Plot Size: 72' x 5' **Harvest Plant Density:** 27924 plants per acre

Factors/Treatments:

Treatment

- 1) Maxim XL+ Apron XL
 - 2) Maxim XL+ Apron XL+ Trilex
 - 3) Maxim XL+ Apron XL+ Trilex+ Poncho FS
 - 4) Maxim XL+ Apron XL+ Trilex+ Exp4a+ L1463-B
 - 5) Maxim XL+ Apron XL+ Trilex+ Exp5a+ L1463-B+ L1273-B
 - 6) Vortex FL+ Allegiance FL+ Trilex+ Exp4a+ L1463-B
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Results: Table C-26.

**Table C-26. Bayer Crop Science Commercial Fungicide/Corn Rootworm Study.
Arlington, WI - 2007**

Treatment	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Harvest population plants/A	Root lodging %	Stalk lodging %	V5 population plants/A	V5 vigor 1-9	V2 population plants/A	V2 vigor 1-9	Seeds planted seeds/A	Grower return \$/A
Maxim XL+ Apron XL	191	26.5	52	27507	4	1	28542	8	32525	8	33454	616
Maxim XL+ Apron XL+ Trilex	201	25.9	53	28637	4	0	27215	8	32193	8	33454	651
Maxim XL+ Apron XL+ Trilex+ Poncho FS	203	25.4	52	28395	4	1	31529	8	32193	8	33454	661
Maxim XL+ Apron XL+ Trilex+ Exp4a+ L1463-B	194	27.2	52	28475	0	1	32525	8	34516	8	33454	625
Maxim XL+ Apron XL+ Trilex+ Exp5a+ L1463-B+ L1273-B	194	26.7	52	25813	1	1	32193	8	30865	8	33454	626
Vortex FL+ Allegiance FL+ Trilex+ Exp4a+ L1463-B	199	25.6	53	28717	2	1	32193	8	31861	8	33454	647
Mean	197	26.2	52	27924	2	1	30699	8	32359	8	33454	638
Probability(%)												
Treatment (T)	28.7	36.6	23.9	0.1	37.5	79.1	18.6	-	91.3	61.9	-	26.7
LSD(0.10)												
Treatment (T)	NS	NS	NS	883	NS	NS	NS	-	NS	NS	-	NS
CV(%)	3	4	1	2	119	112	9	-	12	4	-	4

FIELD EXPERIMENT HISTORY

Title: Bayer CropScience Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 2999 **Year:** 2007
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Fond du Lac, WI **County:** Fond du Lac
Supported By: Bayer Crop Science

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 11/01/07 **pH** 7.1 **OM (%)** 4.4 **P (ppm)** 12 **K (ppm)** 81

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Cultivated 6/18/07
Fertilizer: **Preplant Analysis:** N/A **Rate lbs/A:** N/A **Date:** N/A
Starter Analysis: 9-23-30 **Rate lbs/A:** 150 **Date:** 5/8/07
Post plant Analysis: 46-0-0 **Rate lbs/A:** 325 **Date:** 6/18/07
Manure: N/A
Herbicide: Atrazine 0.5 lbs/A **Insecticide:** Aztec 2.1G 7.3 lbs/A
Accent 0.67 oz/A **Hybrid:** Pioneer 36B01
Callisto 3.0 oz/A
Irrigation: None
Planting Date: 5/8/07 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 36363 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: 10/11/07 **Harvest Method:** Massey Ferguson 8XP
Notes: Trial ID: SD07NARMZGUHM5

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 22' x 10' **Experiment Size:** 0.10 A
Harvest Plot Size: 22' x 5' **Harvest Plant Density:** 32274 plants per acre

Factors/Treatments:

Treatment

- 1) Maxim XL+ Apron XL
 - 2) Maxim XL+ Apron XL+ Trilex
 - 3) Maxim XL+ Apron XL+ Trilex+ Poncho FS
 - 4) Maxim XL+ Apron XL+ Trilex+ Exp4a+ L1463-B
 - 5) Maxim XL+ Apron XL+ Trilex+ Exp5a+ L1463-B+ L1273-B
 - 6) Vortex FL+ Allegiance FL+ Trilex+ Exp4a+ L1463-B
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Fond du Lac, WI - 2007**

Treatment	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Harvest population plants/A	Root lodging %	Stalk lodging %	V5 population plants/A	V5 vigor 1-9	Seeds population seeds/A	Grower vigor \$/A
Maxim XL+ Apron XL	184	22.3	54	31944	0	12	35244	8	36363	609
Maxim XL+ Apron XL+ Trilex	187	21.3	54	33528	0	15	35244	8	36363	622
Maxim XL+ Apron XL+ Trilex+ Poncho FS	183	21.0	55	33000	0	14	35244	8	36363	611
Maxim XL+ Apron XL+ Trilex+ Exp4a+ L1463-B	187	21.4	54	32472	1	12	35772	8	36363	624
Maxim XL+ Apron XL+ Trilex+ Exp5a+ L1463-B+ L1273-B	172	21.4	54	32208	0	14	35508	8	36363	574
Vortex FL+ Allegiance FL+ Trilex+ Exp4a+ L1463-B	179	22.1	55	30492	0	18	34320	8	36363	596
Mean	182	21.6	54	32274	0	14	35222	8	36363	606
Probability(%)										
Treatment (T)	24.2	22.1	28.5	79.3	59.0	25.4	57.6	46.5	-	25.7
LSD(0.10)										
Treatment (T)	NS	NS	NS	NS	NS	NS	NS	NS	-	NS
CV(%)	4	3	1	8	327	21	3	3	-	4