

FIELD EXPERIMENT HISTORY

Title: Bayer Crop Science Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 3116 **Year:** 2008
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: Bayer Crop Science

Site Information

Field: ARS502 **Previous Crop:** Corn **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 11/4 /08 **pH:** 7.1 **OM (%)** 2.9 **P (ppm)** 73 **K (ppm)** 242

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Soil Finisher Cultivate 6/18/08
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 152 **Date:** 4 /30/08
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /14/08
Post plant Analysis: 46-0-0 **Rate lbs/A:** 50 **Date:** 6 /17/08
Manure: 4300 gal
Herbicide: Dual II Mag 24 oz/A **Insecticide:** None
Hornet 4 oz/A **Hybrid:** See Factors
Accent 0.33 oz/A
Irrigation: None
Planting Date: 5/14/08 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/27/08 **Harvest Method:** Massey 8XP
Notes: Trial ID:SP08NARYKAUHN2

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 50' x 10' **Experiment Size:** 0.34 A
Harvest Plot Size: 47' x 5' **Harvest Plant Density:** 30696 plants per acre

Factors/Treatments:

Treatments:

- 1) Maxim XL 3.5 G A/100 kg
- Apron XL 1 G A/100 kg
- Poncho FS 0.25 mg a/seed
- Proized red colorant 19.6 ml/100kg
- L1463-B 130ml/100 kg
- Talc 62.5 g/100 kg

- 2) Confidential (EXP7)

Hybrids:

- 1) Growmark FSFS47S33
- 2) Growmark FS4189VT3

Results: Table C-31.

**Table C-31. Bayer Crop Science Commercial Fungicide/Corn Rootworm Study.
Arlington, WI - 2008.**

Hybrid	Treatment	Grain yield	Grain moisture	Test weight	Harvest population	Root lodging	Stalk lodging	V5 population	V5 vigor	V2 population	Grower return
		bu/A	%	lb/bu	plants/A	%	%	plants/A	1-9	plants/A	\$/A
	1	190	17.8	57	30742	0	0	30923	6	30674	651
	2	193	17.8	57	30651	0	0	31082	6	30401	663
FS47S33		197	17.5	57	30084	0	0	30583	6	30038	677
FS4189VT3		186	18.1	57	31309	0	0	31422	6	31037	637
FS4189VT3	1	185	18.2	57	31581	0	0	31626	6	31808	634
FS4189VT3	2	186	18.0	58	31037	0	0	31218	6	30265	640
FS47S33	1	194	17.4	57	29902	0	0	30220	6	29539	669
FS47S33	2	200	17.7	57	30265	0	0	30946	6	30537	686
Mean		191	17.8	57	30696	0	0	31002	6	30537	657
Probability(%)											
Hybrid (H)		10.1	19.4	12.3	4.7	0.0	34.3	4.7	100	3.2	7.1
Treatment (T)		61.0	97.6	4.1	86.8	1.1	34.3	67.4	100	50.7	57.8
H x T		75.7	56.8	48.1	41.6	0.5	34.3	15.5	100	1.0	77.1
LSD(0.10)											
Hybrid (H)		NS	NS	NS	975	0	NS	670	NS	722	36
Treatment (T)		NS	NS	0.4	NS	0	NS	NS	NS	NS	NS
H x T		NS	NS	NS	NS	0	NS	NS	NS	1021	NS

FIELD EXPERIMENT HISTORY

Title: Bayer CropScience Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 3117 **Year:** 2008
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:** 11/7 /08 **pH:** 6.7 **OM (%)** 4.6 **P (ppm)** 17 **K (ppm)** 95

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Cultivated 6/26/08
Fertilizer: **Preplant Analysis:** N/A **Rate lbs/A:** N/A **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /8 /08
Post plant Analysis: 46-0-0 **Rate lbs/A:** 50 **Date:** 6/26/08
28-0-0 120 6/17/08
Manure: N/A
Herbicide: Lumax 5.0 pt/A **Insecticide:** None
Hybrid: See Factors
Irrigation: None
Planting Date: 5/8/08 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/23/08 **Harvest Method:** Massey Ferguson 8XP
Notes: Trial ID:SP08NARYKAUHN2

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 50' x 10' **Experiment Size:** 0.34 A
Harvest Plot Size: 47' x 5' **Harvest Plant Density:** 31479 plants per acre

Factors/Treatments:

Treatment

- 1) Maxim XL 3.5 G A/100 kg
- Apron XL 1 G A/100 kg
- Poncho FS 0.25 mg a/seed
- Proized red colorant 19.6 ml/100kg
- L1463-B 130ml/100 kg
- Talc 62.5 g/100 kg

- 2) Confidential (EXP7)

Hybrids:

- 1) Growmark FSFS47S33
- 2) Growmark FS4189VT3

Results: Table C-32.

**Table C-32. Bayer Crop Science Commercial Fungicide/Corn Rootworm Study.
Fond du Lac, WI - 2008.**

Hybrid	Treatment	Grain yield	Grain moisture	Test weight	Harvest population	Root lodging	Stalk lodging	V5 population	V5 vigor	V2 population	Grower return
		bu/A	%	lb/bu	plants/A	%	%	plants/A	1-9	plants/A	\$/A
	1	186	21.3	54	31400	0	0	31717	5	31989	625
	2	188	22.0	54	31558	0	0	30787	5	32080	631
FS47S33		188	18.6	55	31105	0	0	31513	5	31808	642
FS4189VT3		187	24.7	53	31853	0	0	30991	5	32262	615
FS4189VT3	1	183	24.1	53	31853	0	0	31899	5	32035	606
FS4189VT3	2	190	25.3	53	31853	0	0	30084	5	32489	623
FS47S33	1	188	18.6	55	30946	0	0	31536	5	31944	644
FS47S33	2	187	18.6	55	31263	0	0	31490	5	31672	640
Mean		187	21.6	54	31479	0	0	31252	5	32035	628
Probability(%)											
Hybrid (H)		79.0	0.0	0.0	5.5	65.4	8.4	57.0	100	22.6	12.3
Treatment (T)		56.5	11.3	57.7	65.1	68.2	52.0	31.8	100	80.3	69.7
H x T		39.9	12.6	39.8	65.1	6.3	52.0	34.1	100	32.7	51.1
LSD(0.10)											
Hybrid (H)		NS	0.7	0.6	621	NS	0	NS	NS	NS	NS
Treatment (T)		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
H x T		NS	NS	NS	NS	0	NS	NS	NS	NS	NS

FIELD EXPERIMENT HISTORY

Title: Bayer CropScience Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 3118 **Year:** 2008
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Galesville, WI **County:** Trempealeau
Supported By: Bayer Crop Science

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Downs
Soil Test: **Date:** 10/21/08 **pH:** 6.0 **OM (%)** 3.3 **P (ppm)** 76 **K (ppm)** 121

Plot Management

Tillage Operations: Fall Zone Builder

Fertilizer: **Preplant Analysis:** 28-0-0 **Rate lbs/A:** 160 **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5/12/08
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A

Manure: N/A

Herbicide: Cinch 2.0 pt/A **Insecticide:** None
 Callisto 3.0 oz/A **Hybrid:** See Factors

Irrigation: None

Planting Date: 5/12/08 **Planting Depth:** 1.5" **Row Width** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter

Harvest Date: 10/21/08 **Harvest Method:** Massey Ferguson 8XP

Notes: Trial ID:SP08NARYKAUHN2

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 25' x 10' **Experiment Size:** 0.2 A
Harvest Plot Size: 23' x 10' **Harvest Plant Density:** 31392 plants per acre

Factors/Treatments:

Treatment

- 1) Maxim XL 3.5 G A/100 kg
- Apron XL 1 G A/100 kg
- Poncho FS 0.25 mg a/seed
- Proized red colorant 19.6 ml/100kg
- L1463-B 130ml/100 kg
- Talc 62.5 g/100 kg

- 2) Confidential (EXP7)

Hybrids:

- 1) Growmark FSFS47S33
 - 2) Growmark FS4189VT3
-

Results: Table C-33.

**Table C-33. Bayer Crop Science Commercial Fungicide/Corn Rootworm Study.
Galesville, WI - 2008.**

Hybrid	Treatment	Grain yield	Grain moisture	Test weight	Harvest population	Root lodging	Stalk lodging	V5 population	V5 vigor	V2 population	Grower return
		bu/A	%	lb/bu	plants/A	%	%	plants/A	1-9	plants/A	\$/A
	1	202	20.9	56	31297	0	0	31676	7	31060	681
	2	202	21.1	56	31486	0	0	31297	6	29782	680
FS47S33		195	19.4	57	31439	0	0	31534	7	30587	662
FS4189VT3		210	22.6	55	31344	0	0	31439	6	30255	700
FS4189VT3	1	211	22.5	55	31628	0	0	32007	6	31344	705
FS4189VT3	2	208	22.7	56	31060	0	0	30871	6	29166	695
FS47S33	1	193	19.3	57	30965	0	0	31344	7	30776	658
FS47S33	2	196	19.6	57	31912	0	0	31723	7	30397	665
Mean		202	21.0	56	31392	0	0	31486	6	30421	681
Probability(%)											
Hybrid (H)		0.1	0.0	0.0	84.5	26.1	-	83.2	0.5	46.4	0.6
Treatment (T)		97.6	34.8	48.8	69.6	99.1	-	40.2	5.7	1.3	91.8
H x T		47.9	95.5	32.3	14.1	56.7	-	10.8	48.5	6.3	46.6
LSD(0.10)											
Hybrid (H)		6	0.4	0	NS	NS	-	NS	0	781	20
Treatment (T)		NS	NS	NS	NS	NS	-	NS	0	NS	NS
H x T		NS	NS	NS	NS	NS	-	NS	NS	1105	NS

FIELD EXPERIMENT HISTORY

Title: Bayer CropScience Fungicide/Rootworm Study.
Experiment: 08 Bayer **Trial ID:** 3119 **Year:** 2008
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Janesville, WI **County:** Rock
Supported By: Bayer Crop Science

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Plano
Soil Test: **Date:** 10/16/08 **pH:** 6.8 **OM (%)** 3.5 **P (ppm)** 49 **K (ppm)** 124

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Cultivated 6/12/08
Fertilizer: **Preplant Analysis:** 28-0-0 **Rate lbs/A:** 130 **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /8 /08
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Dual II Mag 24 oz/A **Insecticide:** None
Atrazine 4L 1.0 qt/A **Hybrid:** See Factors
Status 5.0 oz/A
Irrigation: None
Planting Date: 5/8/08 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/16/08 **Harvest Method:** Massey Ferguson 8XP
Notes: Trial ID:SP08NARYKAUHN2

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 50' x 10' **Experiment Size:** 0.34 A
Harvest Plot Size: 47' x 5' **Harvest Plant Density:** 30583 plants per acre

Factors/Treatments:

Treatment

- 1) Maxim XL 3.5 G A/100 kg
- Apron XL 1 G A/100 kg
- Poncho FS 0.25 mg a/seed
- Proized red colorant 19.6 ml/100kg
- L1463-B 130ml/100 kg
- Talc 62.5 g/100 kg

- 2) Confidential (EXP7)

Hybrids:

- 1) Growmark FSFS47S33
- 2) Growmark FS4189VT3

Results: Table C-34.

**Table C-34. Bayer Crop Science Commercial Fungicide/Corn Rootworm Study.
Janesville, WI - 2008**

Hybrid	Treatment	Grain yield	Grain moisture	Test weight	Harvest population	Root lodging	Stalk lodging	V5 population	V5 vigor	V2 population	Grower return
		bu/A	%	lb/bu	plants/A	%	%	plants/A	1-9	plants/A	\$/A
	1	164	16.4	57	30810	0	0	31944	7	31400	568
	2	163	16.0	57	30356	0	0	32216	7	32057	564
FS47S33		165	14.2	56	30583	0	0	31694	7	31263	574
FS4189VT3		163	18.3	58	30583	0	0	32466	7	32194	557
FS4189VT3	1	164	18.4	58	31263	0	0	32443	7	31899	560
FS4189VT3	2	162	18.1	58	29902	0	0	32489	7	32489	555
FS47S33	1	165	14.4	56	30356	0	0	31445	7	30900	576
FS47S33	2	164	14.0	56	30810	0	0	31944	7	31626	572
Mean		164	16.2	57	30583	0	0	32080	7	31728	566
Probability(%)											
Hybrid (H)		45.5	0.0	0.1	100	-	-	1.7	10.5	3.0	11.8
Treatment (T)		66.7	19.9	75.2	70.9	-	-	34.9	56.3	10.1	69.6
H x T		90.9	72.7	57.1	46.1	-	-	43.2	56.3	85.4	94.6
LSD(0.10)											
Hybrid (H)		NS	0.4	0.7	NS	-	-	497	NS	661	NS
Treatment (T)		NS	NS	NS	NS	-	-	NS	NS	NS	NS
H x T		NS	NS	NS	NS	-	-	NS	NS	NS	NS