

FIELD EXPERIMENT HISTORY

Title: Wilbur Ellis Grain Trial
Experiment: 01Private Grain **Trial ID:** 3466 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Fond du Lac, WI **County:** Fond du Lac
Supported By: Wilbur Ellis

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 6.7 **OM (%)** 2.9 **P (ppm)** 86 **K (ppm)** 23

Plot Management

Tillage Operations: Fall Chisel Field Cultivator Cultivated
Fertilizer:

	<u>Preplant</u>	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
		46-0-0	150 lbs/A	N/A
	Starter	10-34-0	3.0 gal/A	5 /17/11
	Post plant	N/A	N/A	N/A
	Manure:	N/A	N/A	N/A

Herbicide: Lumax 3 qt/A **Insecticide:** None
Irrigation: None **Hybrid:** See Factors
Planting Date: 5/17/11 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/20/11 **Harvest Method:** Massey 8XP

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.25 A
Harvest Plot Size: 21' x 5' **Harvest Plant Density:** 34912 plants per acre

Factors/Treatments:

Hybrids:

021090GTCBLLRW	131084GTCBLLRW	9422VT3
035095GT3000	141092VT3PRO	9453VT3
041091VT3	151090GT	9460SS
043093RR2	151096GTCBLLRW	9472SS
111093VT3PRO	931087GTCBLL	Pioneer 9910AM1
111096VT3PRO	9350VT3	Pioneer 9990XR
131082GT3000	9390VT2PRO	

Results: TableC-07

**Table C-07. Wilbur Ellis Hybrid Comparison.
Fond du Lac, WI - 2011.**

Hybrid	Grain	Grain	Test	Lodged			Grower
	yield	moisture	weight	Total	Stalk	Root	return
	bu/A	%	lb/bu	%	%	%	\$/A
021090GTCBLLRW	206	14.5	55	1	1	0	1120
035095GT3000	207	16.9	55	5	4	2	1121
041091VT3	204	16.6	56	0	0	0	1104
043093RR2	222	17.8	54	1	1	0	1198
111093VT3PRO	202	17.2	57	2	2	0	1093
111096VT3PRO	211	17.1	57	3	3	0	1140
131082GT3000	186	15.2	56	1	1	0	1014
131084GTCBLLRW	200	17.5	55	5	3	2	1080
141092VT3PRO	183	16.3	57	10	9	1	991
151090GT	212	16.1	55	2	1	1	1149
151096GTCBLLRW	189	16.8	54	5	4	1	1024
931087GTCBLL	195	14.7	56	2	2	0	1061
9350VT3	172	14.4	57	2	2	0	936
9390VT2PRO	212	16.8	56	1	1	0	1149
9422VT3	205	16.8	58	8	8	0	1109
9453VT3	197	17.9	55	9	8	1	1060
9460SS	192	18.6	57	4	4	0	1033
9472SS	202	17.4	56	2	2	0	1088
Pioneer 9910AM1	212	18.9	53	1	1	0	1137
Pioneer 9990XR	198	18.2	54	2	2	0	1064
Mean	200	16.8	56	3	3	0	1084
Probability(%)							
Hybrid (H)	4.0	0.0	0.0	0.0	0.0	1.0	4.4
LSD(0.10)							
Hybrid (H)	20	0.8	1	3	3	1	108

FIELD EXPERIMENT HISTORY

Title: Wilbur Ellis Grain Trial
Experiment: 01Private Grain **Trial ID:** 3467 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Galesville, WI **County:** Trempealeau
Supported By: Wilbur Ellis

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam
Soil Test: **Date:** 10/6 /11 **pH:** 6.1 **OM (%)** 3.2 **P (ppm)** 32 **K (ppm)** 166

Plot Management

Tillage Operations: Fall Zone

Strip Tillage

Fertilizer:	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	21-0-0-24	21 bs/A	N/A
	46-0-0	150 lbs/A	N/A
Starter	10-34-0	3.0 gal/A	5 /2 /11
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Callisto 3.0 oz/A **Insecticide:** None
 Harness 3.0 pt/A

Irrigation: None **Hybrid:** See Factors

Planting Date: 5/2/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 10/18/11 **Harvest Method:** Massey 8XP

Experimental Design

Design: RCB

Replications: 3

Plot Size Seeded: 25' x 5'

Experiment Size: 0.25 A

Harvest Plot Size: 21' x 5'

Harvest Plant Density: 30428 plants per acre

Factors/Treatments:

Hybrids:

021090GTCBLLRW	131084GTCBLLRW	9422VT3
035095GT3000	141092VT3PRO	9453VT3
041091VT3	151090GT	9460SS
043093RR2	151096GTCBLLRW	9472SS
111093VT3PRO	931087GTCBLL	Pioneer 9910AM1
111096VT3PRO	9350VT3	Pioneer 9990XR
131082GT3000	9390VT2PRO	

Results: TableC-08

**Table C-08. Wilbur Ellis Hybrid Comparison.
Galesville, WI - 2011.**

Hybrid	Grain yield	Grain moisture	Test weight	Lodged			Grower return
				Total	Stalk	Root	
	bu/A	%	lb/bu	%	%	%	\$/A
021090GTCBLLRW	255	15.4	59	4	2	1	1389
035095GT3000	188	16.4	58	0	0	0	1022
041091VT3	186	15.3	58	0	0	0	1012
043093RR2	168	15.5	58	0	0	0	916
111093VT3PRO	232	15.5	61	0	0	0	1264
111096VT3PRO	230	16.0	59	0	0	0	1250
131082GT3000	212	15.0	60	3	3	0	1156
131084GTCBLLRW	218	16.0	58	1	0	0	1186
141092VT3PRO	228	14.8	60	1	1	0	1241
151090GT	227	15.9	59	3	3	0	1230
151096GTCBLLRW	237	16.2	59	1	1	0	1283
931087GTCBLL	199	15.8	60	3	2	1	1080
9350VT3	170	13.9	59	9	8	0	924
9390VT2PRO	232	15.1	59	0	0	0	1264
9422VT3	230	15.9	61	2	2	0	1249
9453VT3	187	16.6	58	1	1	0	1014
9460SS	204	17.3	59	1	1	0	1104
9472SS	200	16.0	59	1	1	0	1087
Pioneer 9910AM1	260	16.6	56	0	0	0	1411
Pioneer 9990XR	230	17.6	56	0	0	0	1243
Mean	215	15.8	59	2	1	0	1166
Probability(%)							
Hybrid (H)	0.0	0.0	0.0	2.4	1.6	18.4	0.0
LSD(0.10)							
Hybrid (H)	20	0.5	1	3	3	NS	111

FIELD EXPERIMENT HISTORY

Title: Wilbur Ellis Grain Trial
Experiment: 01Private Grain **Trial ID:** 3465 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Hancock, WI **County:** Waushara
Supported By: Wilbur Ellis

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Plainfield Sand
Soil Test: **Date:** 10/21/11 **pH:** 6.8 **OM (%)** 0.8 **P (ppm)** 76 **K (ppm)** 85

Plot Management

Tillage Operations: Disk

Fertilizer:	<u>Preplant</u>	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
		N/A	N/A	N/A
	Starter	10-34-0	3 gal/A	4 /29/11
	Post plant	46-0-0	46-0-0	N/A
	Manure:	N/A	N/A	N/A

Herbicide: Prowl 2.0 pt/A **Insecticide:** None
 Callisto 3.0 oz/A
 Aatrex 1.5pt/A
 Laudis 3.0 oz/A

Irrigation: Yes **Hybrid:** See Factors

Planting Date: 4/29/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 10/14/11 **Harvest Method:** Massey 8XP

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.25 A
Harvest Plot Size: 21' x 5' **Harvest Plant Density:** 30587 plants per acre

Factors/Treatments:

Hybrids:

021090GTCBLLRW	131084GTCBLLRW	9422VT3
035095GT3000	141092VT3PRO	9453VT3
041091VT3	151090GT	9460SS
043093RR2	151096GTCBLLRW	9472SS
111093VT3PRO	931087GTCBLL	Pioneer 9910AM1
111096VT3PRO	9350VT3	Pioneer 9990XR
131082GT3000	9390VT2PRO	

**Table C-09. Wilbur Ellis Hybrid Comparison.
Hancock, WI - 2011.**

Hybrid	Grain	Grain	Test	Lodged		Grower	
	yield	moisture	weight	Total	Stalk		Root
	bu/A	%	lb/bu	%	%	%	\$/A
021090GTCBLLRW	175	18.1	56	18	14	4	942
035095GT3000	197	19.6	55	3	1	2	1055
041091VT3	145	17.7	57	0	0	0	783
043093RR2	171	18.9	55	0	0	0	918
111093VT3PRO	207	18.6	58	1	0	0	1115
111096VT3PRO	205	17.5	58	5	5	1	1109
131082GT3000	176	16.1	57	24	12	12	953
131084GTCBLLRW	213	19.0	56	21	20	0	1144
141092VT3PRO	208	17.2	58	4	2	2	1125
151090GT	214	17.5	56	20	20	0	1157
151096GTCBLLRW	180	18.7	56	19	19	0	967
931087GTCBLL	198	15.3	56	29	26	3	1075
9350VT3	153	15.8	58	20	20	0	830
9390VT2PRO	219	16.8	57	2	2	0	1186
9422VT3	233	18.5	59	2	1	0	1255
9453VT3	111	20.0	55	0	0	0	592
9460SS	182	19.7	57	4	3	1	973
9472SS	151	20.9	56	1	1	0	806
Pioneer 9910AM1	230	18.0	54	6	3	3	1237
Pioneer 9990XR	208	20.9	53	21	20	0	1111
Mean	189	18.2	56	10	8	2	1017
Probability(%)							
Hybrid (H)	0.0	0.0	0.0	0.0	0.0	0.2	0.0
LSD(0.10)							
Hybrid (H)	32	1.4	1	7	7	4	175