

## FIELD EXPERIMENT HISTORY

**Title:** Wilbur Ellis Grain Trial  
**Experiment:** 01Private Grain **Trial ID:** 3309 **Year:** 2010  
**Personnel:** J.G. Lauer, K.D. Kohn and T.H. Diallo  
**Location:** Hancock, WI **County:** Waushara  
**Supported By:** Wilbur Ellis

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### Site Information

**Field:** K30 **Previous Crop:** Corn **Soil Type:** Plainfield Sand  
**Soil Test:** **Date:** 10/21/10 **pH:** 6.4 **OM (%)** 0.8 **P (ppm)** 45 **K (ppm)** 60

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### Plot Management

**Tillage Operations:** Disk 2x Soil Finisher  
**Fertilizer:** **Preplant Analysis:** 0-0-60 **Rate lbs/A:** 100 **Date:** 3/31/10  
**Starter Analysis:** 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4/26/10  
**Post plant Analysis:** 46-0-0 **Rate lbs/A:** 184 lbs/A **Date:** 4/26,5/27  
**Manure:** N/A  
**Herbicide:** Parallel 1.33pt/A **Insecticide:** None  
 Callisto 3.0 oz/A  
**Irrigation:** Yes  
**Planting Date:** 4/26/10 **Planting Depth:** 1.5" **Row Width** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 10/11/10 **Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 10' **Experiment Size:** 1.9 A  
**Harvest Plot Size:** 21' x 5' **Harvest Plant Density:** 281195 plants per acre

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**Results: Table C-11 and C-12.**

**Table C-11. Wilbur Ellis Hybrid Comparison - Early Trial.  
Hancock, WI - 2010.**

Hybrid	Harvest population	Grain yield	Grain moisture	Test weight	Lodged			Grower return
					Total	Stalk	Root	
	plants/A	bu/A	%	lb/bu	%	%	%	\$/A
9453	23785	184	15.8	56	0	0	0	823
9480VT3	26551	194	16.4	57	0	0	0	867
DKC42-72	29317	213	15.1	57	0	0	0	956
DKC43-27	27657	207	14.7	57	0	0	0	931
Exp.011089RR	30976	196	13.9	56	0	0	0	881
Exp.011093SS	29040	196	14.6	57	0	0	0	879
Exp.021090GTCBLL	26274	185	14.7	56	3	3	0	830
Exp.022091GT3000	28487	201	14.9	54	2	2	0	903
Exp.031090RR2	29317	164	13.3	59	0	0	0	736
Exp.041091VT3	26274	163	14.4	57	0	0	0	730
Exp.042092RR2	29040	220	15.0	56	0	0	0	987
Exp.043093RR2	28210	208	14.2	55	1	1	0	932
Exp.051090YGRR2	25998	174	14.6	57	0	0	0	780
Exp.052094GT	28487	173	13.6	55	11	10	0	775
Exp.053095GT3000	25168	184	15.7	55	0	0	0	827
Exp.912086VT3PRO	24891	169	14.2	56	0	0	0	760
Exp.912092VT3	28487	186	15.7	57	0	0	0	834
Exp.913091VT3	25168	199	16.2	58	0	0	0	891
Exp.914093VT3	25998	177	14.8	58	0	0	0	797
Exp.921087GTCBLL	25168	162	14.7	59	3	3	0	728
Exp.922086GT3000	26551	180	14.8	58	0	0	0	809
Exp.931087GT3000	30699	192	13.9	56	0	0	0	861
Pioneer P9512XR	31529	201	15.4	54	0	0	0	904
Pioneer P9990XR	30699	194	16.2	55	0	0	0	868
Mean	27657	188	14.9	56	1	1	0	845
<b>Probability(%)</b>								
Hybrid (H)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
<b>LSD(0.10)</b>								
Hybrid (H)	2194	10	0.3	0	2	2	0	46

**Table C-12. Wilbur Ellis Hybrid Comparison - Late Trial.  
Hancock, WI - 2010.**

Hybrid	Harvest population	Grain yield	Grain moisture	Test weight	Lodged			Grower return
					Total	Stalk	Root	
	plants/A	bu/A	%	lb/bu	%	%	%	\$/A
9530	26551	207	18.1	53	0	0	0	917
9532	24338	187	19.2	54	0	0	0	825
9532SS	27934	193	18.1	55	0	0	0	857
DKC48-37	29593	197	14.9	58	0	0	0	885
Exp.011096SS	30423	203	15.8	56	0	0	0	911
Exp.011101RR	32082	213	16.8	58	0	0	0	949
Exp.021097GT3000	30423	210	15.3	56	0	0	0	944
Exp.031095GTCBLL	30146	207	14.7	54	1	0	0	928
Exp.031104VT3PRO	30146	193	16.3	55	0	0	0	863
Exp.033095VT3PRO	29870	195	14.9	57	0	0	0	874
Exp.034098GTCBLL	31806	203	14.7	54	0	0	0	912
Exp.035095GT3000	29593	217	15.5	55	0	0	0	973
Exp.044095VT3	30683	163	15.7	57	0	0	0	732
Exp.051098GT3000	27934	201	16.9	55	0	0	0	897
Exp.912095RR	32635	209	15.1	57	0	0	0	938
Exp.912095VT3	29593	199	14.9	56	0	0	0	894
Exp.913096VT3	24062	165	14.6	59	0	0	0	739
Exp.914096VT3	24338	181	15.9	57	2	2	0	811
Exp.915098SS	29593	224	17.0	54	0	0	0	997
Exp.917099VT3	22126	176	16.2	57	1	1	0	787
Exp.921100GT3000	28487	178	16.4	54	1	1	0	796
Exp.941096VT3	27934	171	15.4	57	0	0	0	766
Pioneer 36Y26	27104	195	16.1	58	0	0	0	875
Mean	28582	195	16.0	56	0	0	0	873
<b>Probability(%)</b>								
Hybrid (H)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>LSD(0.10)</b>								
Hybrid (H)	2349	13	0.3	0	1	0	0	57