

**2011 Experiment Conducted by the NDSU Corn Breeding Program across EastCentral North Dakota Locations**

<b>Company</b>	<b>Hybrid</b>	<b>Grain Yield (bu/A)</b>	<b>Grain Moisture (%)</b>	<b>Root Lodging (%)</b>	<b>Stalk Lodging (%)</b>	<b>Ear Drop (%)</b>
Nu Tech	5N-197	85.55	40.62	0.00	0.31	0.00
Pioneer	P8906HR	67.23	18.93	0.41	0.24	0.65
Monsanto	DKC39-07	66.99	22.73	0.47	0.97	0.00
Nu Tech	5N-290	64.16	27.49	5.27	0.00	0.65
Nu Tech	5B-290	64.04	26.72	2.59	3.72	0.92
Seeds2000	2903GTCBLL	63.07	27.84	25.87	0.21	0.00
Hyland	Hyland8300	60.28	25.25	0.36	0.00	0.04
Nu tech	5N-9001	60.17	27.53	1.35	0.20	0.02
Peterson	PFS 98L90	59.22	22.00	0.01	0.66	0.05
Seeds2000	2904 GT	58.19	21.64	2.18	3.06	0.01
Dairyland	ST-9291SSX	55.50	20.15	11.29	0.31	0.00
G2 Genetics	5X-9101TM	54.58	20.82	3.69	0.00	0.01
Integra	9390	54.03	29.20	0.00	0.85	0.02
Kruger	K-7593	53.75	28.07	0.02	0.09	0.00
Dairyland	ST-9286SSX	53.72	24.54	0.07	0.20	0.23
Peterson	PFS 56J86	53.58	21.37	0.15	0.77	0.00
Integra	9361	52.31	21.66	0.00	0.00	0.02
Dairyland	ST-7085	52.28	18.26	1.78	0.27	0.14
Proseed	990 3000GT	52.14	28.20	0.71	0.06	0.06
Pioneer	P8581R	50.71	20.36	0.25	0.00	0.07
Proseed	1191VT3P	50.20	27.49	7.62	0.10	0.03
Gold Country	89-09VT3P	50.05	25.73	0.00	0.16	0.00
Hyland	HylandHLB32R	48.77	23.70	2.03	0.10	0.02
Kruger	K4-9489	48.36	31.92	2.13	0.18	0.00
Wensman	W8120VT2PRO	48.35	31.17	0.03	0.06	2.18
Peterson	PFS 76L92	45.07	28.01	0.13	0.95	0.00
Wensman	W7107VT3	44.38	26.99	2.21	0.03	0.00
G2 Genetics	5X-8901TM	43.37	19.81	0.73	0.89	0.02
Stine	Ex 87A	42.25	20.20	7.40	4.96	0.09
Kruger	K-7386	42.20	23.28	0.48	0.12	0.22

Gold Country	87-27VT2P	42.04	26.78	0.52	0.06	0.02
CHECK 1	TR2040 Check	41.69	20.00	0.46	3.44	0.00
Nu Tech	5N-592	40.83	24.07	2.16	0.34	0.02
G2 Genetics	5X-795TM	38.75	23.63	0.07	0.00	0.20
Kruger	K-4292	38.23	27.24	1.16	0.23	0.00
G2 Genetics	5H-492TM	38.05	19.92	2.48	0.06	0.03
Proseed	1189 3000GT	38.03	23.56	5.29	4.04	0.04
Pioneer	P8640HR	38.02	17.52	2.36	0.87	0.68
Nu Tech	5N-186	37.85	25.78	0.11	0.00	1.23
Proseed	1091 3000GT	37.03	28.41	0.33	0.00	0.66
Hyland	Hyland8234	36.55	23.62	3.34	0.00	0.02
Kruger	K-4189	35.69	19.44	0.52	2.18	0.02
Proseed	786 3000GT	35.26	21.29	4.45	4.09	0.00
Dairyland	ST-9992	34.88	30.83	0.07	0.00	0.20
Kruger	K-6385VT3	34.23	21.38	0.00	0.95	0.00
Legend	9887GENSS	33.76	20.42	0.04	0.38	0.00
Proseed	1193 VT3P	31.90	22.64	1.68	0.07	0.06
Nu Tech	3A-186	31.85	28.15	2.64	0.59	0.00
CHECK 2	NDSU Early TR3030 Check	30.59	14.96	5.60	7.88	0.06
CHECK 3	TR3026xTR2040 Check	29.93	18.92	6.98	0.39	0.02
Proseed	1086 3000GT	28.90	21.20	3.57	0.10	0.00
Kruger	K-7194	28.43	22.99	1.87	0.08	0.00
Gold Country	93-07VT3p	27.74	21.76	0.60	0.20	0.06
CHECK 4	TR3026xTR2040	27.09	20.94	0.97	5.43	0.02
Pioneer	39N99	26.28	20.10	0.58	1.32	0.02
G2 Genetics	5H-8902TM	21.90	21.42	1.19	0.00	0.00
Means Across Central East ND Locations		45.18	23.90	2.29	0.93	0.16
LSD (0.05)		31.87	8.29	10.25	4.13	1.13
CV (%)		35.73	17.34	224	222	365

**The same hybrids were planted across three dry land locations within Central East ND region (Fargo, Prosper, and Casselton)  
Growing the same hybrids across locations expose the real advantages and weaknesses of hybrids for traits**

**Experiments conducted by the NDSU Corn Breeding Program**

Trials were uniformly affected by water stress

Relative Maturity given by industry may not correspond to moisture at harvest. Check both!

No significant differences across hybrids for stand

CV Values for Yield were much larger than normal due to very low experiment means for this trait

CV Values for Grain Moisture were larger than normal due to very high experiment means for this trait in certain hybrids. Check!