

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Corn - Irrigated

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----- Grain Yield -----

Brand	Hybrid	R.M.	Hybrid Traits ^{-Co}	Days to Silk	Ear Height inch	Plant Height inch	Grain Protein %	Starch Content %	Hail Damage ¹	Harvest Moisture %	Test Weight lb/bu	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac	
Proseed	1083 GTCB	83	GTCBLL	75.0	40.9	96.9	8.7	73.5	26.1	15.3	53.4	136.5	--	--
Proseed	1185 VT2	85	VT2	77.5	44.5	101.2	8.5	73.0	15.0	14.4	53.3	155.6	--	--
Proseed	1086 3000G	86	3000GT	75.0	40.6	95.3	8.7	73.2	24.2	15.4	51.5	133.8	--	--
Wensman	W7107VT3	90	VT3	78.0	45.3	113.7	8.7	72.9	22.0	15.5	53.8	135.5	--	--
Wensman	W7143VT3	93	VT3	80.0	41.7	97.8	8.6	72.9	16.8	16.1	53.5	153.6	--	--
Wensman	W8120VT2PRO	92	VT2PRO	79.0	43.9	100.4	8.5	73.0	20.7	16.1	53.3	150.0	--	--
Wensman	W7140VT3PRO	93	VT3PRO	78.0	41.1	96.7	9.0	72.2	10.8	17.0	52.1	162.9	--	--
Dyna-Gro Seed	51V57	85	VT3	77.5	40.4	94.9	9.8	72.1	17.2	15.6	53.8	122.5	157.6	154.6
Dyna-Gro Seed	D27VC01	87	VT2P	76.0	41.3	97.6	8.4	72.7	12.8	14.1	53.0	160.2	--	--
Dyna-Gro Seed	D27GC19	87	GT/CB/LL	75.5	42.7	97.8	9.3	72.0	20.7	15.7	51.7	133.4	148.0	--
Dekalb	DKC33-53	83	GENSS	76.0	40.4	95.1	9.3	72.5	17.5	14.5	53.3	132.1	--	--
Dekalb	DKC35-43	85	VT3	76.5	40.4	94.5	9.0	72.9	26.7	14.4	55.4	144.2	152.6	--
Kruger	K-6282VT3	82	VT3	74.0	41.1	93.3	9.5	71.8	22.6	14.8	55.6	128.3	148.8	--
Kruger	K-0482	82	NA	74.5	41.5	98.4	9.5	72.7	29.3	13.9	55.5	123.5	--	--
Kruger	K-6385VT3	85	VT3	75.0	40.9	96.6	8.9	72.6	22.9	14.5	55.6	126.1	143.7	140.7
Kruger	K-7386	86	VT3P	75.0	39.6	94.1	8.7	72.6	18.2	14.6	54.6	155.0	--	--
Kruger	K-4189	89	VT2P	78.0	39.8	96.9	8.6	72.5	13.4	15.5	50.4	157.1	--	--
Kruger	K4-9489	89	GENSS	78.0	43.9	98.0	8.7	73.3	12.1	16.8	51.0	163.8	--	--
AgVenture	7900	79	GT	77.0	44.9	99.2	8.9	73.1	26.7	14.3	56.4	96.6	--	--
AgVenture	8300	83	RL/HB	77.0	42.5	97.8	8.1	73.6	21.7	14.7	50.7	138.5	--	--
AgVenture	2949	85	3000GT	74.5	41.1	97.4	8.5	73.3	18.6	14.8	53.6	139.5	--	--
AgVenture	2708	88	3000GT	75.0	43.1	98.0	8.7	73.6	22.3	15.7	53.6	143.6	--	--
AgVenture	4342	92	3000GT	79.0	43.3	89.2	8.7	73.0	19.6	14.9	48.8	121.3	--	--
Terning	8024	84	GT	76.0	43.3	101.2	8.8	73.3	25.4	15.3	53.8	136.9	--	--
Terning	8002	81	GT	74.0	43.9	96.9	9.0	72.9	31.3	15.5	56.2	111.6	--	--
MEAN				76.6	43.0	98.8	8.9	72.7	20.4	15.4	52.7	136.8	--	--
C.V. (%)				1.2	6.2	5.4	2.9	0.8	26.8	3.7	1.4	8.0	--	--
LSD 0.05				1.8	3.7	7.3	0.4	0.8	7.6	0.8	1.0	15.1	--	--

Planting Date = May 16 ; Harvest Date = October 18 ; Previous Crop = Spring Wheat

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Terning	8009	82	GT	75.0	44.9	100.4	8.7	72.2	22.0	14.3	53.3	119.6	--	--
PFS	56J86	86	VT3	77.0	42.7	100.2	8.3	72.8	8.6	14.7	52.9	166.1	169.1	165.1
PFS	54M83	83	VT3	74.0	42.7	100.2	8.8	72.1	20.5	14.9	55.7	140.2	156.6	153.2
PFS	76F82	82	VT2PRO	75.5	41.7	100.0	9.8	71.6	18.1	14.5	57.6	127.3	--	--
NuTech Seed	3A-186	86	GT	75.5	45.1	100.8	9.0	73.1	23.0	15.8	51.5	144.9	--	--
NuTech Seed	5N-186	86	Ag3000GT	75.5	41.9	99.5	8.9	72.5	23.7	15.6	51.2	137.1	161.3	--
NuTech Seed	5B-290	90	CB/LL/GT	78.5	43.7	100.8	9.3	72.6	19.2	15.9	48.6	133.9	165.2	--
NuTech Seed	5N-290	90	Ag3000GT	77.5	47.2	104.4	8.9	72.4	20.1	15.4	48.2	115.4	--	--
NuTech Seed	5N-9001	90	Ag3000GT	78.5	46.5	91.3	8.9	72.0	18.6	17.6	50.0	133.3	--	--
G2 Genetics	5X-8901	89	HXX/RR2	74.0	44.5	99.4	8.9	72.2	28.6	16.4	54.3	110.7	--	--
G2 Genetics	5H-8902	89	HX1/RR2	78.5	47.4	104.3	9.6	72.5	21.1	16.5	51.1	122.5	--	--
G2 Genetics	5X-9101	91	HXX/RR2	79.0	48.2	103.3	8.3	72.7	20.9	16.4	49.5	134.7	--	--
G2 Genetics	5H-492	92	HX1/RR2	74.5	42.3	96.1	8.9	72.9	12.5	16.1	51.6	158.1	--	--
Hyland Seeds	Hyland 8234	86	SmartStax	77.0	40.9	100.8	9.0	71.8	16.8	15.4	52.5	135.0	154.9	--
Hyland Seeds	Hyland 8300	89	SmartStax	78.5	39.4	95.7	8.6	72.9	22.1	15.8	48.9	153.4	--	--
Hyland Seeds	Hyland 8323	92	SmartStax	77.5	41.5	94.9	9.1	72.6	23.5	17.4	49.8	133.4	--	--
Hyland Seeds	Hyland 8386	92	SmartStax	78.0	45.3	104.5	8.7	72.9	20.0	15.8	54.0	139.3	--	--
REA Hybrids	2V550	85	Genuity VT Triple PRO	74.5	41.3	97.0	8.9	72.8	19.3	14.3	54.2	154.0	--	--
REA Hybrids	2T149	85	VT3	74.5	43.9	102.0	9.2	72.3	28.5	14.7	56.3	116.2	138.1	--
REA Hybrids	2B404	85	Genuity VT Double PRO	75.0	40.0	91.1	9.5	72.4	23.2	14.2	55.7	149.3	--	--
REA Hybrids	2B721	86	Genuity VT Double PRO	75.5	42.7	97.7	9.2	72.4	16.4	14.4	53.9	153.2	--	--
Renk	RK268VT3	83	RR, Bt, CRW	78.0	40.0	97.1	8.4	72.7	10.4	14.7	51.9	161.9	166.2	158.9
Renk	RK212GT	82	RR	75.5	42.7	98.8	8.8	73.3	19.7	15.5	52.6	140.9	156.9	150.4
Renk	RK295GTCBLLRW	85	RR,LL,Bt,CRW	78.0	44.1	103.9	9.0	72.5	28.9	16.7	48.7	126.7	--	--
Seeds 2000	2852GTCBLL	85	GTCBLL	74.0	45.9	102.2	8.7	73.2	20.9	16.1	51.7	141.1	159.3	--
MEAN				76.6	43.0	98.8	8.9	72.7	20.4	15.4	52.7	136.8	--	--
C.V. (%)				1.2	6.2	5.4	2.9	0.8	26.8	3.7	1.4	8.0	--	--
LSD 0.05				1.8	3.7	7.3	0.4	0.8	7.6	0.8	1.0	15.1	--	--

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Seeds 2000	2883GTCBLL	88	GTCBLL	76.5	38.8	94.7	9.1	72.6	18.5	15.8	50.0	147.4	158.7	--
Pioneer	39V07	80	HX1,LL,RR2	74.0	42.1	96.3	8.9	72.3	18.9	14.8	54.2	137.5	--	--
Pioneer	P8640HR	86	HX1,LL,RR2	76.5	41.3	96.7	8.6	71.9	19.4	15.6	52.0	147.4	--	--
Wensman	W7268VT3	96	VT3	78.5	42.1	98.0	8.5	73.1	10.6	17.9	50.3	160.9	--	--
REA Hybrids	2V688	86	Genuity VT Triple PRO	76.5	44.5	99.8	8.8	72.8	18.3	14.1	53.6	137.2	--	--
Quality Seed Genetic	QSG 6190	90	CONV	78.0	48.0	106.3	9.1	72.2	22.2	15.7	51.7	107.4	--	--
Quality Seed Genetic	QSG 6094	95	CONV	82.0	53.3	108.3	9.3	72.4	30.3	15.9	49.1	100.0	--	--
Quality Seed Genetic	QSG 6095	95	RR	82.0	48.6	104.9	9.7	72.6	17.4	18.3	48.1	95.5	--	--
MEAN				76.6	43.0	98.8	8.9	72.7	20.4	15.4	52.7	136.8	--	--
C.V. (%)				1.2	6.2	5.4	2.9	0.8	26.8	3.7	1.4	8.0	--	--
LSD 0.05				1.8	3.7	7.3	0.4	0.8	7.6	0.8	1.0	15.1	--	--

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* Trial was impacted by a hail storm on July 24. Hail damage included leaf stripping/defoliation along with a moderate level of stem breakage.

^{Co}: Hybrid traits as reported by seed company when hybrids submitted for evaluation.

¹ Hail damage score represents the percent of plants with stem breakage/stalks that were broken by hail stone impacts.