

**NDSU Carrington Research Extension Center
2009 Variety Trial Data**

Corn - Dryland

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Brand	Hybrid	R.M.	Hybrid Traits ¹	Days to Silk	Ear Height inch	Plant Height inch	Stalk Quality ² 1 to 9	Stalk Break ³ %	Grain Protein %	Starch Content %	Harvest Moisture %	Test Weight lb/bu	----- Grain Yield -----				
													2-yr.	3-yr.	Rel.	Relative	
													2009	Avg. bu/ac	Avg. bu/ac	Moist. %	Yield % Mean
Kruger	K-6378VT3		VT3	81.3	33.1	84.6	1.3	0	11.4	67.8	21.0	53.0	111.0	--	--	82	88
Kruger	K-2381RR/YGCB	81	VT3	84.3	36.8	91.5	1.0	0	11.3	67.3	23.5	51.3	112.4	--	--	91	89
Kruger	K-6385VT3	85	RR	84.8	36.6	86.2	0.0	0	10.9	67.6	21.2	52.1	137.3	--	--	82	109
Kruger	K-1286RR	86	VT3	88.3	38.0	87.1	1.5	0	11.4	68.3	23.1	51.4	123.9	--	--	90	99
Kruger	K-6388VT3	88	RR	86.3	35.6	85.5	0.0	0	11.5	67.5	23.6	50.8	136.0	--	--	92	108
Kruger	K-2090RR/YGCB	90	VT3	87.5	36.2	89.6	0.0	0	10.6	68.6	26.1	48.3	125.5	122.1	133.2	102	100
Kruger	K-6490VT3	90	RR/YGCB	88.8	39.8	91.7	0.3	0	11.0	67.0	25.0	50.4	124.9	--	--	97	99
Kruger	K-6093VT3	93	VT3	87.8	34.6	88.6	0.0	3	10.3	67.7	31.9	46.6	129.2	--	--	124	103
Pioneer	39B23	88	HX1,LL,RR2	87.3	37.4	91.1	0.0	0	10.1	68.6	24.5	49.2	143.0	124.8	--	95	114
Pioneer	39N99	89	HX1,LL,RR2	87.3	36.6	87.4	0.8	0	9.9	69.6	25.9	48.8	127.1	120.7	--	101	101
Pioneer	38H08	92	HX1,LL,RR2	86.3	43.1	89.0	1.5	30	9.7	68.3	27.1	45.0	136.3	122.5	--	105	109
Hyland Seeds	HL CVR54	92	VT3/RR2	90.3	39.6	91.5	0.0	0	9.8	69.0	29.0	44.3	133.1	--	--	113	106
Hyland Seeds	HL CVR48	88	VT3/RR2	88.8	40.6	97.6	0.3	0	10.1	66.9	23.1	49.8	125.9	--	--	90	100
Hyland Seeds	HL CVR44	88	VT3/RR2	89.3	35.2	84.1	0.0	0	10.0	67.6	27.0	46.5	119.8	114.7	--	105	95
Hyland Seeds	HL CVR36	88	VT3/RR2	90.3	37.2	92.1	1.0	0	11.3	68.9	28.4	47.5	112.9	--	--	111	90
Proseed	981CBLLGT	81	CB,LL,GT	84.3	34.3	85.2	0.8	15	10.3	69.7	21.0	52.1	116.5	--	--	82	93
Proseed	781RRBT	81	RR,BT	89.0	36.6	83.0	0.0	5	10.8	68.7	31.6	45.5	124.2	117.0	132.1	123	99
Proseed	581VT3	83	RR,BT, RW	87.0	35.0	88.0	0.3	0	11.0	67.9	26.4	49.0	117.9	112.5	--	103	94
Proseed	884VT3	84	RR,BT, RW	87.5	35.8	87.6	1.0	4	11.4	66.8	26.6	50.9	102.5	106.6	--	104	82
Proseed	786CBLLGT	86	CB,LL,GT	88.0	36.4	89.6	0.5	0	10.1	68.4	30.2	47.0	119.0	116.2	135.0	118	95
Proseed	787VT3	87	RR,BT, RW	86.8	35.8	91.1	0.0	0	10.7	68.0	25.0	48.4	124.5	113.9	--	97	99
Dairyland Seed	ST-7985	85	CB,GT,LL	86.5	34.8	89.6	0.3	0	9.7	69.0	28.1	47.9	140.1	136.8	--	109	112
Dairyland Seed	ST-9286	86	VT3	88.0	38.2	91.9	0.0	0	10.6	68.9	23.9	48.7	140.9	--	--	93	112
Legend Seeds	LR 9079VT3	79	VT3	82.3	34.4	87.7	2.3	15	11.1	67.9	21.3	53.8	115.6	--	--	83	92
Legend Seeds	LR 9083VT3	83	VT3	87.0	39.4	90.9	1.0	0	10.6	67.1	23.6	49.8	122.0	--	--	92	97
MEAN				87.0	36.7	88.6	0.8	4.9	10.5	68.2	25.7	48.7	125.6	--	--	--	--
C.V. (%)				1.7	6.1	3.4	85.9	232	4.9	1.6	10.3	3.5	6.2	--	--	--	--
LSD 0.05				2.0	3.1	4.2	1.0	15.6	0.7	1.6	3.7	2.4	10.8	--	--	--	--

Planting Date = May 14 ; Harvest Date = November 10 & 18 ; Previous Crop = Spring Wheat

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													2009	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac	Rel. Moist. % Mean	Relative Yield % Mean
Legend Seeds	LR 9887VT3	87	VT3	88.8	37.4	91.7	0.3	0	10.2	68.6	25.0	48.1	131.1	--	--	97	104
Renk	RK292GTCBLL	85	GT,CB,LL	88.5	35.4	89.4	0.3	0	10.2	68.2	27.6	48.0	128.4	--	--	107	102
Renk	RK268VT3	85	VT3	88.5	34.8	89.2	0.0	0	10.0	69.0	26.0	47.4	129.2	--	--	101	103
Renk	RK224RRYGPL	84	RR,YGPL	87.5	35.4	85.8	0.0	0	10.8	67.2	25.9	48.3	117.5	--	--	101	94
Renk	RK212CBLL	82	CB,LL	86.8	32.9	82.9	0.5	0	9.3	69.9	25.5	48.4	135.6	--	--	99	108
Renk	RK302CBLL	89	CB,LL	90.3	39.2	89.3	0.3	0	9.7	68.4	29.4	44.8	122.0	--	--	114	97
Seeds 2000	2843RR	84	RR	85.0	38.0	90.9	2.0	0	10.9	66.9	24.9	49.8	112.5	--	--	97	90
Seeds 2000	8801VT3	88	VT3	87.5	37.8	92.3	0.0	0	10.2	68.7	23.3	49.0	142.2	132.1	--	91	113
Gold Country	84-03VT3	84	VT3	84.3	39.2	87.9	0.0	0	10.7	67.0	20.8	51.8	141.4	--	--	81	113
Gold Country	89-09R	89	RR	85.3	37.4	87.4	1.3	0	11.2	67.3	26.4	47.4	118.2	--	--	103	94
PFS	92L90	90	GT,CB,LL	88.3	37.4	90.7	0.8	0	9.7	69.6	27.2	48.1	123.8	--	--	106	99
PFS	56J86	86	VT3	86.0	37.4	92.1	0.0	8	10.4	68.2	23.7	48.4	139.8	124.2	--	92	111
PFS	54M83	83	VT3	85.5	38.6	92.1	0.3	0	10.8	68.0	21.6	50.9	124.6	114.9	--	84	99
PFS	37L84	84	RR,YGCB	87.3	35.2	81.3	0.0	0	10.9	67.1	30.9	46.6	125.0	--	--	120	100
Dyna-Gro Seed	51V57	85	VT3	89.3	36.0	87.4	0.0	0	10.2	69.0	21.9	50.4	123.6	--	--	85	98
Dyna-Gro Seed	52V01	87	VT3	86.8	38.2	88.4	0.3	0	10.7	68.9	22.1	49.9	133.9	128.4	--	86	107
Dyna-Gro Seed	CX08287	87	CB,LL,GT	86.8	35.9	89.4	0.8	0	10.5	69.3	28.4	47.7	121.8	--	--	111	97
G2 Genetics	5H-884 RR/HX	83	RR, HX	83.3	38.0	88.3	1.0	0	10.9	68.2	25.3	47.3	132.1	--	--	98	105
G2 Genetics	5X-591 RR/HXT	91	RR, HXT	89.8	34.4	83.5	0.3	0	10.5	68.0	28.9	47.7	107.6	--	--	112	86
NuTech Seed	3T-083 VT3	82	VT3	87.0	37.1	89.1	0.8	6	11.3	67.2	24.9	51.6	117.1	120.3	--	97	93
NuTech Seed	1B-183 CB/LL	82	CB,LL	86.3	35.4	88.6	0.8	3	9.1	69.9	22.3	49.5	137.9	--	--	87	110
NuTech Seed	3T-484 VT3	83	VT3	87.5	37.0	94.3	0.0	0	10.3	69.6	22.3	49.9	135.3	131.4	--	87	108
NuTech Seed	1B-186 CB/LL	83	CB,LL	87.0	36.6	88.7	0.5	0	10.0	69.0	24.2	49.7	138.5	--	--	94	110
NuTech Seed	1N-887 CB/LL/RW	87	CB,LL,RW	87.5	35.9	88.2	0.5	20	10.5	68.9	29.9	45.7	122.7	127.4	--	116	98
NuTech Seed	3C-889 RR/YGCB	89	RR/YGCB	87.5	33.0	90.1	0.0	0	10.2	68.0	27.3	48.4	135.4	--	--	106	108
MEAN				87.0	36.7	88.6	0.8	4.9	10.5	68.2	25.7	48.7	125.6	--	--	--	--
C.V. (%)				1.7	6.1	3.4	85.9	232	4.9	1.6	10.3	3.5	6.2	--	--	--	--
LSD 0.05				2.0	3.1	4.2	1.0	15.6	0.7	1.6	3.7	2.4	10.8	--	--	--	--

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													2009	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac	Rel. Moist. % Mean	Relative Yield % Mean
NuTech Seed	3C-889A RR/YGCE	89	RR/YGCB	86.8	36.0	90.9	0.0	0	9.8	68.9	27.9	47.9	137.5	--	--	109	109
NuTech Seed	1B-290 CB/LL	90	CB,LL	89.8	37.8	88.8	0.5	0	9.0	68.9	28.9	45.1	117.7	--	--	112	94
NuTech Seed	3T-390 VT3	90	VT3	90.5	36.2	92.7	1.3	0	11.7	66.6	34.2	46.8	106.9	--	--	133	85
NuTech Seed	3P-191 RR/YGPL	91	RR, YGPL	90.0	39.4	90.7	0.0	0	9.4	69.8	34.3	44.6	114.2	124.7	141.4	133	91
NuTech Seed	3C-292+ RR/YGCB	92	RR, YGCB	89.8	40.9	98.6	0.0	0	9.8	68.4	32.3	45.2	131.0	--	--	126	104
NuTech Seed	3T-493 VT3	93	VT3	90.3	37.4	88.9	0.5	0	8.8	69.9	35.0	43.5	119.5	--	--	136	95
Integra Fortified	9332R	83	RR	86.3	33.5	80.3	2.8	5	10.2	68.6	30.6	44.5	119.6	--	--	119	95
Integra Fortified	6385R	85	RR	86.8	34.3	86.8	0.5	0	10.1	68.2	23.8	50.0	114.4	105.9	119.7	93	91
Integra Fortified	6385VT3	85	VT3	89.3	34.8	87.6	0.3	0	10.5	67.5	24.8	48.5	127.1	121.0	--	96	101
Integra Fortified	9361R	86	RR	87.8	36.6	90.4	0.5	8	10.5	67.8	23.0	48.0	120.9	--	--	89	96
Dekalb	DKC33-54	83	RR2	82.8	36.0	85.5	5.5	28	11.1	66.9	17.4	53.1	127.0	113.3	--	68	101
Dekalb	DKC36-34	86	VT3	84.5	33.1	84.9	1.0	15	11.0	66.7	23.6	50.2	131.3	--	--	92	105
Dekalb	DKC38-89	88	VT3	87.5	33.3	88.2	0.3	0	10.2	68.8	27.6	46.8	126.3	124.3	--	107	101
Wensman	W 7085VT3	84	VT3	83.5	32.5	79.1	2.0	31	10.1	67.8	22.0	51.4	135.4	131.6	--	86	108
Wensman	W 7089VT3	86	VT3	88.5	37.8	92.9	0.0	0	10.6	68.9	23.5	48.9	134.4	126.7	--	91	107
Wensman	W 7107VT3	90	VT3	87.3	38.0	91.1	0.5	13	10.7	68.3	28.4	48.0	127.5	123.5	--	111	102
Wolf River Valle	2982RR	82	RR	86.5	37.4	84.4	0.0	0	10.8	68.2	28.3	46.8	121.4	122.9	--	110	97
Wolf River Valle	2990GT	90	GT	87.0	34.4	90.9	1.5	6	10.3	68.5	29.3	46.9	123.0	--	--	114	98
Terning	7952	78	RR	84.0	36.2	88.4	2.8	10	11.2	66.6	21.1	49.1	120.1	--	--	82	96
Terning	8000	83	RR,CB	87.5	36.0	82.4	0.0	0	10.3	68.2	32.8	45.8	115.6	--	--	128	92
Stine	Ex 83B RR	83	RR	84.5	35.6	83.3	3.5	35	10.7	69.1	26.8	46.1	124.5	--	--	104	99
Stine	9200 RR	87	RR	86.5	37.0	91.1	2.8	0	10.7	68.8	19.7	50.5	128.0	--	--	77	102
MEAN				87.0	36.7	88.6	0.8	4.9	10.5	68.2	25.7	48.7	125.6	--	--	--	--
C.V. (%)				1.7	6.1	3.4	85.9	232	4.9	1.6	10.3	3.5	6.2	--	--	--	--
LSD 0.05				2.0	3.1	4.2	1.0	15.6	0.7	1.6	3.7	2.4	10.8	--	--	--	--

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¹ Hybrid traits as reported by seed company when hybrids submitted for evaluation.

² Stalk Quality: scored on scale of 1 to 9; A recording of stalk quality in early November; 1 = excellent and 9 = poor.

³ Stalk Breakage: scored on scale of percent; A recording of stalk breakage at the time of harvest, breakage typically above ear.