

North Dakota Corn Hybrid Performance Results – 2011

J. Ransom and M. Carena (NDSU Main Station), B. Schatz (Carrington Research Extension Center), B. Hanson (Langdon Research Extension Center), G. Bradbury (Williston Research Extension Center), M. Halvorson (North Central Research Extension Center), W. Albus (Oakes Irrigation Research Site) and T. Tjelde (Nesson Valley Irrigation Site)

Introduction

This publication reports the results of corn hybrid trials that were conducted by NDSU research and Extension personnel throughout North Dakota.

The hybrids tested were entered voluntarily by the companies that market them, and the management of these trials was financed partially by the entry fee those companies paid. Links to the participating companies are summarized in Table 1. Additional information and data for a given location may be available at www.ag.ndsu.edu/varietytrials/corn. When selecting a hybrid, look at its performance at multiple locations and/or across years if possible.

Corn Production and Weather in 2011

In 2011, the area planted to corn was 2.25 million acres, up about 10 percent from last year. The average yield was recorded at 110 bushels per acre, down substantially from last year's record yield of 132 bushels per acre. The low yield this year can be attributed to late planting and excessive moisture in key corn-growing areas.

The 2011 growing season started out wet and cool. Corn was planted, on average, two to three weeks later than is normal and recommended. Many fields were excessively wet through the early part of the season. Greensnap occurred in a significant number of acres when the state experienced 70 mph winds prior to tasseling. Although the crop development was behind average because of late planting and somewhat cooler than normal weather in May and June, warmer than normal July and August weather helped move the development of the corn crop forward. Most fields were affected by frost on Sept. 14 before they reached physiological maturity. Conditions were extremely favorable for field drying in October and corn in most fields

was harvested dry enough so that no artificial drying was needed. Some ear drop was experienced in some hybrids and fields due to high winds prior to harvest. September and October were significantly warmer than normal.

Experimental Procedures

Hybrids were planted in replicated plots in each location. Plot size, number of replications and experimental design varied by location. Information regarding planting and harvesting dates and other management practices is available from the researchers implementing the research. Grain yield was adjusted to 15.5 percent moisture.

Data Analysis

Data were analyzed using analyses of variance (ANOVA). Least Significant Differences (LSDs) at the 5 percent level were calculated from these analyses and are placed at the bottom of each column of data. These LSD values apply only to the numbers in the column in which they appear. If the difference (for instance, for yield) between two varieties exceeds the LSD value, it means that with 95 percent confidence, the higher-yielding variety has a significant yield advantage. Conversely, when the difference between the means of two varieties is less than the LSD value, statistically there is no difference between them.

The coefficient of variation (CV), which also is placed at the bottom of each column, is a measure of the variability for that trait within the trial. Large CVs (greater than 16 in the case of yield for hybrid trials) means a large amount of variation was found in the experiment that cannot be explained by just the genetic variation between the hybrids.

Hybrids are ranked in descending order for yield in each table. Carefully consider grain moisture at harvest in addition to yield. Comparing the yields of hybrids with similar moisture levels allows you to compare the yield of hybrids with similar relative maturities (RMs). RMs given are industry estimates for hybrids. Therefore, values for grain moisture might not precisely correspond to the RM given. Information on lodging, ear drop and greensnap were included only if they were important at a particular location.

List of Tables

- Table 1. Companies Participating in 2011 NDSU Corn Hybrid Trials.
- Table 2. 2011 Corn - Northern N.D.
- Table 3. 2011 Corn - Central East N.D.
- Table 4. 2011 Corn - Southern N.D.
- Table 5. 2011 Corn - Fingal (Carrington REC).
- Table 6. 2011 Corn - Langdon.
- Table 7. 2011 Corn - Irrigated - Carrington.
- Table 8. 2011 Corn - Dryland - Oakes.
- Table 9. 2011 Corn - Irrigated - Oakes (Carrington REC).
- Table 10. 2011 Corn - Griggs and Steele Counties.
- Table 11. 2011 Corn - Ransom County.
- Table 12. 2011 Corn - Minot.
- Table 13. 2011 Corn - Dryland - Williston.
- Table 14. 2011 Corn - Irrigated - Williston.

Table 1. Companies Participating in 2011 NDSU Corn Hybrid Trials.
--

Company	Website
AgVenture	www.agventure.com
Channel	www.channelbio.com
Croplan Genetics	www.croplangenetics.com
Dairyland Seed	www.dairylandseed.com
Dekalb	www.dekalb.com , www.asgrow.com
Dyna-Gro Seed	www.dynagroseed.com
Garst	www.garstseed.com
G2 Genetics	www.nutechseed.com
Gold Country Seed	www.goldcountryseed.com
Hyland Seeds	www.hylandseeds.com
Integra Fortified Seed	www.FortifiedSeed.com
Kruger Seeds	www.krugerseed.com
Legend Seeds	www.legendseeds.net
Master's Choice	www.seedcorn.com
Monsanto	www.monsanto.com
Mustang Seeds	www.mustangseeds.com
NuTech Seed	www.nutechseed.com
Peterson Farms Seed	www.petersonfarmsseed.com
Pioneer	www.pioneer.com
Proseed	www.proseed.net
Quality Seed Genetics	www.nutechseed.com
REA Hybrids	www.rea-hybrids.com
Renk Seed	www.renkseed.com
Seeds 2000	www.seeds2000.net
Stine	www.stinseed.com
Terning Seed	www.terningseeds.com
Thunder Seed	www.thunderseeds.com
Wensman Seed	www.wensmanseed.com

Table 2. 2011 Corn - Northern North Dakota - NDSU Corn Breeding Program - Author, M. Carena.

Company/ Brand	Hybrid	RM ¹	Ear Drop (%)	Grain Moisture (%)	Test Weight (lb/bu)	Root Ldg. (%)	Stalk Ldg. (%)	Grain Yield ² (bu/a)
Gold Country	85-39VT3P	85	1.7	20.2	52.0	5.7	3.5	141.7
Peterson	PFX 92L82	82	6.0	18.5	51.9	7.9	2.2	135.3
Seeds 2000	2852 GTCBLL	85	1.4	20.1	50.5	12.8	3.3	133.9
Peterson	PFS 56J86	86	3.6	20.4	51.0	2.4	5.4	128.2
Hyland	Hyland8234	86	1.2	22.3	49.4	12.1	1.0	128.1
Wensman	W8089VT2PRO	86	8.3	18.6	52.2	13.3	6.5	126.7
NuTech	3A-183	83	0.1	19.1	52.1	15.6	7.4	126.4
Proseed	1185 VT2	85	3.0	19.2	50.9	17.7	4.4	125.3
Proseed	884 VT3	84	2.7	19.8	53.2	1.0	12.5	121.1
NuTech	5N-186	86	3.3	19.5	50.3	8.8	6.4	121.0
Gold Country	83-08VT2P	83	6.3	16.9	53.3	2.3	15.3	118.2
Dekalb	DKC33-53	83	3.5	20.7	52.2	3.1	6.0	117.8
Gold Country	84-03VT3	84	10.6	20.1	54.6	8.0	2.6	117.4
Dekalb	DKC35-43	85	8.0	18.8	53.7	5.7	5.7	115.3
Stine	9150	82	5.1	18.5	52.2	4.4	5.3	114.3
Pioneer	P8581R	85	12.3	19.7	52.1	5.5	10.4	113.8
Pioneer	39D97	79	1.2	18.4	53.8	33.5	2.5	112.6
G2 Genetics	3A-080™	80	5.7	18.7	50.6	8.6	3.8	112.5
NuTech	5N-183	82	9.0	18.8	53.0	9.2	7.5	112.0
Proseed	1083 GTCBLL	83	1.1	18.6	52.0	12.8	4.8	111.0
Proseed	781 RRBt	82	1.3	24.0	48.7	7.8	9.0	110.5
NuTech	3A-186	86	7.3	19.4	50.8	14.1	10.0	110.4
Peterson	PFS 76F82	82	5.2	20.4	55.5	5.8	3.6	107.9
Seeds 2000	2823GTCBLL	82	12.0	18.2	52.7	10.6	5.4	107.4
Dyna-Gro	CX11179	79	10.6	19.3	53.4	0.6	9.4	107.0
Integra	9350	85	4.2	19.0	50.6	7.2	12.6	106.1
Legend	9083VT2P	83	12.0	19.9	53.4	10.3	2.2	105.9
Pioneer	39V07	80	5.9	17.7	55.2	17.5	11.0	105.9
Hyland	Hyland 8105	81	7.0	17.6	54.3	1.6	5.5	103.7
Dyna-Gro	51V57	85	2.4	18.7	52.6	0.0	6.5	103.2
Hyland	Hyland 8295	88	3.5	21.1	48.8	14.5	3.6	102.4
Dyna-Gro	51V45	82	8.2	17.9	54.8	3.9	17.3	99.5
Dekalb	DKC30-20	80	11.6	18.1	55.6	1.6	4.9	99.2
Wensman	W8085VT2PRO	84	18.3	18.3	51.7	2.0	8.3	96.3
G2 Genetics	5H279™	79	12.0	18.9	53.0	31.4	15.0	95.5
Proseed	981 GTCBLL	81	9.2	19.3	54.2	18.7	2.8	95.1
G2 Genetics	5H-080™	82	3.4	18.9	50.0	3.7	17.4	94.8
Integra	9312	81	12.0	17.7	54.6	4.2	3.5	93.3
Gold Country	84-24VT2P	84	14.6	17.7	53.8	5.6	4.1	91.0
Mean			6.4	19.4	52.5	9.2	7.2	111.2
CV (%)			135.1	12.9	3.9	121.0	104.4	21.4
LSD 0.05			9.8	2.9	2.3	12.6	8.5	27.0

¹Relative maturity as given by industry.

²Average of three dryland locations within northeastern North Dakota region (Larimore, Thompson and Lakota).

The experimental design was a lattice, which was found to be more efficient than a randomized complete block design.

There was no significant difference across hybrids for stand.

Table 3. 2011 Corn - Central East North Dakota - NDSU Corn Breeding Program - Author, M. Carena (Page 1 of 2).

Company/ Brand	Hybrid	RM ¹	Ear Drop (%)	Grain Moisture (%)	Root Ldg. (%)	Stalk Ldg. (%)	Grain Yield ² (bu/a)
NuTech	5N-197	97	0.0	40.6	0.0	0.3	85.6
Pioneer	P8906HR	89	0.7	18.9	0.4	0.2	67.2
Dekalb	DKC39-07	89	0.0	22.7	0.5	1.0	67.0
NuTech	5N-290	90	0.7	27.5	5.3	0.0	64.2
NuTech	5B-290	90	0.9	26.7	2.6	3.7	64.0
Seeds 2000	2903GTCBLL	90	0.0	27.8	25.9	0.2	63.1
Hyland	Hyland8300	89	0.0	25.3	0.4	0.0	60.3
NuTech	5N-9001	90	0.0	27.5	1.4	0.2	60.2
Peterson	PFS 98L90	90	0.1	22.0	0.0	0.7	59.2
Seeds 2000	2904 GT	90	0.0	21.6	2.2	3.1	58.2
Dairyland	ST-9291SSX	91	0.0	20.2	11.3	0.3	55.5
G2 Genetics	5X-9101 TM	91	0.0	20.8	3.7	0.0	54.6
Integra	9390	89	0.0	29.2	0.0	0.9	54.0
Kruger	K-7593	93	0.0	28.1	0.0	0.1	53.8
Dairyland	ST-9286SSX	86	0.2	24.5	0.1	0.2	53.7
Peterson	PFS 56J86	86	0.0	21.4	0.2	0.8	53.6
Integra	9361	86	0.0	21.7	0.0	0.0	52.3
Dairyland	ST-7085	85	0.1	18.3	1.8	0.3	52.3
Proseed	990 3000GT	90	0.1	28.2	0.7	0.1	52.1
Pioneer	P8581R	85	0.1	20.4	0.3	0.0	50.7
Proseed	1191VT3P	91	0.0	27.5	7.6	0.1	50.2
Gold Country	89-09VT3P	89	0.0	25.7	0.0	0.2	50.1
Hyland	HL B32R	86	0.0	23.7	2.0	0.1	48.8
Kruger	K4-9489	89	0.0	31.9	2.1	0.2	48.4
Wensman	W8120VT2PRO	92	2.2	31.2	0.0	0.1	48.4
Peterson	PFS 76L92	92	0.0	28.0	0.1	1.0	45.1
Wensman	W7107VT3	90	0.0	27.0	2.2	0.0	44.4
G2 Genetics	5X-8901 TM	89	0.0	19.8	0.7	0.9	43.4
Stine	Ex 87A	-	0.1	20.2	7.4	5.0	42.3
Kruger	K-7386	86	0.2	23.3	0.5	0.1	42.2
Gold Country	87-27VT2P	87	0.0	26.8	0.5	0.1	42.0
NuTech	5N-592	92	0.0	24.1	2.2	0.3	40.8
G2 Genetics	5X-795 TM	95	0.2	23.6	0.1	0.0	38.8
Kruger	K-4292	92	0.0	27.2	1.2	0.2	38.2
G2 Genetics	5H-492 TM	92	0.0	19.9	2.5	0.1	38.1
Proseed	1189 3000GT	89	0.0	23.6	5.3	4.0	38.0
Pioneer	P8640HR	86	0.7	17.5	2.4	0.9	38.0
NuTech	5N-186	86	1.2	25.8	0.1	0.0	37.9
Proseed	1091 3000GT	91	0.7	28.4	0.3	0.0	37.0
Hyland	8234	86	0.0	23.6	3.3	0.0	36.6
Kruger	K-4189	89	0.0	19.4	0.5	2.2	35.7
Proseed	786 3000GT	87	0.0	21.3	4.5	4.1	35.3
Dairyland	ST-9992	92	0.2	30.8	0.1	0.0	34.9
Mean			0.2	23.9	2.3	0.9	45.2
CV (%)			365	17.3	224	222	35.7
LSD 0.05			1.1	8.3	10.3	4.1	31.9

Table 3. 2011 Corn - Central East North Dakota - NDSU Corn Breeding Program - Author, M. Carena (Page 2 of 2).

Company/ Brand	Hybrid	RM¹	Ear Drop	Grain Moisture	Root Ldg.	Stalk Ldg.	Grain Yield²
			(%)	(%)	(%)	(%)	(bu/a)
Kruger	K-6385VT3	85	0.0	21.4	0.0	1.0	34.2
Legend	9887GENSS	87	0.0	20.4	0.0	0.4	33.8
Proseed	1193 VT3P	93	0.1	22.6	1.7	0.1	31.9
NuTech	3A-186	86	0.0	28.2	2.6	0.6	31.9
Proseed	1086 3000GT	86	0.0	21.2	3.6	0.1	28.9
Kruger	K-7194	94	0.0	23.0	1.9	0.1	28.4
Gold Country	93-07VT3P	93	0.1	21.8	0.6	0.2	27.7
Pioneer	39N99	89	0.0	20.1	0.6	1.3	26.3
G2 Genetics	5H-8902 TM	89	0.0	21.4	1.2	0.0	21.9
Mean			0.2	23.9	2.3	0.9	45.2
CV (%)			365	17.3	224	222	35.7
LSD 0.05			1.1	8.3	10.3	4.1	31.9

¹Relative maturity as given by industry.

²Average of three dryland locations within central eastern North Dakota region (Fargo, Prosper and Casselton).
Trials were uniformly affected by water stress.

Table 4. 2011 Corn - Southern North Dakota - NDSU Corn Breeding Program - Author, M. Carena (Page 1 of 2).

Company/ Brand	Hybrid	RM ¹	Ear Drop (%)	Grain Moisture (%)	Test Weight (lb/bu)	Root Ldg. (%)	Stalk Ldg. (%)	Grain Yield ² (bu/a)
Proseed	1191VT3P	91	0.4	15.5	56.3	2.5	0.6	145.4
Seeds 2000	9202 VT2P	92	0.0	15.8	56.2	1.8	0.4	132.1
Dekalb	DKC45-51	95	0.5	18.0	55.2	1.7	0.5	131.0
Seeds 2000	9503 VT2P	95	0.4	15.3	56.8	6.8	2.6	129.5
Gold Country	93-07VT3P	93	0.0	15.3	55.7	2.7	1.0	127.6
Kruger	K4-9599	99	0.8	19.1	54.6	2.4	5.7	124.9
Dairyland	ST-9992	92	0.5	15.9	57.5	4.9	7.8	124.8
Gold Country	96-20VT3P	96	0.0	17.5	56.5	6.5	0.0	123.4
Dairyland	ST-9291SSX	91	2.3	15.7	55.2	1.6	2.9	123.0
G2 Genetics	5H-501 TM	101	0.0	19.5	55.5	3.2	0.6	122.4
Peterson	PFS 45Q93	93	0.0	17.0	55.0	6.3	1.9	120.3
Proseed	1193 VT3P	93	0.5	16.2	57.0	12.4	0.5	119.8
Kruger	K-7495	95	0.9	17.6	55.9	4.0	0.5	119.7
Gold Country	98-90SS	98	0.0	18.8	55.7	1.0	0.2	119.5
G2 Genetics	5H-797 TM	97	0.4	15.5	54.5	4.1	0.0	119.1
NuTech	5N-592	92	0.5	16.2	57.4	8.5	3.2	117.2
Dekalb	DKC48-12	98	0.0	17.1	54.3	4.1	0.0	115.9
G2 Genetics	5X-500 TM	100	2.4	18.7	55.3	0.9	0.5	113.6
Legend	9095GENSS	95	0.0	17.3	55.3	3.7	3.2	112.7
Integra	9453	95	2.2	17.4	54.3	4.4	0.6	112.6
Dekalb	DKC42-72	92	0.0	16.0	54.8	6.9	2.4	112.3
G2 Genetics	5H-492 TM	92	1.4	14.4	56.6	7.2	1.8	111.7
Pioneer	P9630AM1	96	0.6	16.5	54.8	4.0	4.0	111.7
Hyland	8395	95	4.4	14.8	55.0	3.9	0.0	111.3
G2 Genetics	5X-795 TM	95	7.9	16.1	55.0	3.0	0.3	111.0
Hyland	Hyland8386	92	2.8	15.6	58.0	3.1	1.2	110.9
Kruger	K-7194	94	0.4	15.2	56.3	4.5	2.5	108.7
Peterson	PFS 76L92	90	1.2	15.9	57.0	2.6	0.0	107.4
G2 Genetics	5X-895 TM	95	2.4	17.6	53.2	10.0	0.1	107.4
Seeds 2000	2903GTCBLL	90	2.4	16.1	54.5	18.5	1.0	106.9
Pioneer	38H08	92	1.7	15.8	53.7	2.6	0.0	106.8
Kruger	K-7593	93	0.0	16.0	56.8	10.5	0.6	106.3
Wensman	W7273VT3	98	0.0	18.0	53.2	0.6	0.3	104.8
G2 Genetics	5H-0101 TM	101	0.5	20.5	52.3	3.9	1.7	103.2
NuTech	5N-197	97	2.9	18.5	53.5	6.3	3.6	100.9
NuTech	5N-001	100	1.0	20.3	50.7	19.3	0.0	100.8
Kruger	K-4292	92	0.6	16.8	54.8	8.8	0.3	100.7
Wensman	W7268VT3	96	0.0	16.7	55.7	16.2	3.2	100.2
NuTech	5B-0205	-	8.0	18.7	56.8	10.5	0.0	97.0
Kruger	K-6399VT3	99	0.4	19.7	53.7	6.6	3.9	96.9
NuTech	3A-9901	99	0.9	17.8	52.2	6.8	1.0	96.8
Peterson	PFS 98L90	90	1.6	15.2	55.0	31.8	1.2	96.1
G2 Genetics	5H-502 TM	102	0.0	21.5	54.7	0.6	0.3	95.1
Mean			1.3	17.1	55.1	7.3	1.5	109.8
CV (%)			230.6	8.3	2.2	60.7	562.7	25.8
LSD 0.05			5.0	2.3	2.0	7.1	13.6	35.6

Table 4. 2011 Corn - Southern North Dakota - NDSU Corn Breeding Program - Author, M. Carena (Page 2 of 2).

Company	Hybrid	RM¹	Ear Drop (%)	Grain Moisture (%)	Test Weight (lb/bu)	Root Ldg. (%)	Stalk Ldg. (%)	Grain Yield² (bu/a)
Seeds 2000	9602 G3	96	3.3	16.7	53.9	11.7	2.7	92.4
Seeds 2000	9902 VP	99	0.4	21.0	54.1	25.7	3.6	91.6
Kruger	K4-9100	100	0.4	19.1	53.9	6.5	0.3	89.4
G2 Genetics	5H-597 TM	97	1.9	17.8	54.7	9.6	4.8	83.6
Proseed	1091 3000GT	91	2.8	15.7	54.0	18.1	0.0	82.3
Proseed	794 3000GT	95	4.0	16.7	54.6	12.4	0.0	79.8
Mean			1.3	17.1	55.1	7.3	1.5	109.8
CV (%)			230.6	8.3	2.2	60.7	562.7	25.8
LSD 0.05			5.0	2.3	2.0	7.1	13.6	35.6

¹Relative maturity as given by industry.

²Average of three dryland locations within southern North Dakota region (Gwinner, Barney and Colfax).

The experimental design was a lattice, which was found to be more efficient than a randomized complete block design.

There was no significant difference across hybrids for stand.

Table 5. 2011 Corn - Fingal (Carrington REC) - Authors, B. Schatz and T. Indergaard (Page 1 of 2).

Company/Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2011 ------(bu/a)-----	2-yr. Avg.
Gold Country	93-07VT3P	93	19.9	52.7	196.9	--
Peterson	76R92	90	20.4	52.7	196.4	--
Seeds 2000	9202 VT2P	92	17.4	54.1	195.3	--
Kruger	K4-9489	89	20.6	53.7	193.3	--
Dyna-Gro	D32VP29	92	18.9	54.0	187.8	--
NuTech	5N-197	97	26.0	49.2	184.4	211.3
Seeds 2000	2903GTCBLL	90	20.0	50.9	184.2	204.2
Integra	9390 VT2Pro	89	19.7	52.5	181.8	--
Wensman	W7268VT3	96	21.1	52.9	181.8	--
Dekalb	DKC39-07	89	18.4	53.3	181.0	--
Kruger	K-7194	94	19.4	52.0	180.4	--
Renk	RK434VT3P	92	20.7	52.6	180.1	204.3
Kruger	K-7593	93	20.0	55.2	179.6	--
Wensman	W7107VT3	90	19.8	53.7	174.6	--
Wensman	W7143VT3	93	20.0	54.3	173.8	--
Renk	RK334RR	90	16.9	53.8	172.9	--
Wensman	W8120VT2PRO	92	20.1	53.2	172.1	--
G2 Genetics	5X-895	95	23.6	48.5	169.6	199.8
Terning	8229	93	18.8	53.3	169.5	--
G2 Genetics	5X-9101	91	18.6	51.5	167.0	--
Quality Seed Gen.	QSG 6095	95	24.4	51.2	165.0	--
Kruger	K-7495	95	22.4	51.3	164.3	--
Legend	9887VT2P	87	17.9	52.7	163.3	--
Peterson	56J86	86	17.7	52.6	161.1	172.3
Integra	9361 VT3	86	17.6	52.9	160.8	173.0
Dyna-Gro	CX11191	91	21.6	51.4	160.2	--
Gold Country	94-29VT3	94	19.2	53.5	159.0	190.0
Legend	9983VT2P	83	16.4	58.3	158.5	--
Integra	9422 VT3	92	19.0	54.6	158.0	182.2
Kruger	K-6385VT3	85	16.8	58.4	157.0	162.5
G2 Genetics	5H-597	97	24.5	50.3	155.9	192.3
Pioneer	P8906HR	89	17.7	53.1	155.6	--
Kruger	K-4292	92	21.9	52.3	155.5	--
Hyland	Hyland 8300	89	22.3	50.9	154.7	--
Dekalb	DKC42-72	92	18.1	52.9	154.4	188.0
Dairyland	ST-9286SSX	86	19.0	52.2	154.2	170.7
Hyland	Hyland 8234	86	19.7	52.3	153.9	171.7
Dairyland	ST-7085	85	17.8	54.4	153.3	--
Dyna-Gro	D27VC01	87	16.7	53.8	153.0	--
Mean			20.2	52.0	153.3	181.4
CV %			9.6	3.4	14.4	--
LSD 0.05			2.7	2.4	30.5	--

Table 5. 2011 Corn - Fingal (Carrington REC) - Authors, B. Schatz and T. Indergaard (Page 2 of 2).

Company/Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2011 -----(bu/a)-----	2-yr. Avg.
G2 Genetics	5H-492	92	18.2	51.8	149.6	--
G2 Genetics	5X-8901	89	17.4	57.1	148.8	--
Kruger	K-4189	89	19.9	52.3	147.3	--
G2 Genetics	5H-8902	89	19.0	53.1	147.1	--
Proseed	1091 3000G	91	19.9	49.9	146.7	169.4
Pioneer	39N99	89	17.5	54.4	145.7	163.7
Wensman	W7140VT3PRO	93	22.7	52.2	145.5	--
NuTech	5B-290	90	19.0	49.9	144.6	182.7
NuTech	5N-9001	90	20.7	51.1	143.8	--
Proseed	990 3000GT	90	18.0	50.1	143.7	181.8
Seeds 2000	2904 GT	90	17.9	51.2	143.0	--
Dyna-Gro	D27GC19	87	18.4	53.8	141.8	--
Kruger	K-7386	86	18.3	54.3	138.9	--
G2 Genetics	5H-797	97	39.7	44.3	137.8	174.3
Peterson	98L90	90	20.5	49.3	134.5	--
Proseed	1189 3000G	89	17.3	54.5	130.7	--
Terning	8198	90	19.2	50.1	128.6	--
Legend	9984 3000GT	84	18.0	53.3	123.4	--
Hyland	Hyland 8323	92	21.3	51.7	122.4	--
Proseed	1086 3000G	86	19.1	50.7	122.4	153.5
G2 Genetics	5X-795	95	21.4	49.9	116.2	--
NuTech	5N-290	90	17.5	50.5	104.9	--
Renk	RK302GTCBLLRW	90	18.4	49.2	102.2	--
Quality Seed Gen.	QSG 6095	95	31.8	46.2	82.8	--
Quality Seed Gen.	QSG 6190	90	23.6	44.7	81.6	--
Quality Seed Gen.	QSG 6094	95	30.9	43.0	51.6	--
Mean			20.2	52.0	153.3	181.4
CV %			9.6	3.4	14.4	--
LSD 0.05			2.7	2.4	30.5	--

Planted: May 17. Harvested: Oct. 26. Previous crop: soybean.

¹Relative maturity as given by industry.

Table 6. 2011 Corn - Langdon - Authors, B. Hanson and R. Wilhelmi.

Company/Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2011 ----- (bu/a)-----	2-yr. Avg.
REA	1V115	78	17.4	52.6	134.5	--
Pioneer	39V07	80	16.7	50.0	125.2	--
Wensman	W 7083VT3	80	22.8	51.7	122.5	--
Dyna-Gro	CX11179	79	17.5	52.4	122.0	--
Hyland	HL 3085	79	16.2	53.9	121.8	--
Dyna-Gro	50K21	78	16.1	53.1	121.7	134.8
Seeds 2000	8201 VT3	82	24.0	50.3	121.7	132.7
Hyland	8105	81	17.9	52.1	121.5	--
Integra	9312 VT3	81	17.2	52.3	121.0	--
G2 Genetics	3A-080	80	16.8	49.2	119.7	--
Gold Cntry	81-21 VT3	81	22.6	51.0	119.5	139.2
Mustang	2203VT2	82	18.5	51.8	118.4	--
Gold Cntry	76-61	76	17.2	53.7	118.4	--
G2 Genetics	5H-279	79	22.5	49.2	117.9	--
G2 Genetics	5H-080	82	21.1	47.4	117.5	120.4
Hyland	HL B18R	78	18.6	57.3	117.4	135.3
Pioneer	39D97	79	17.6	52.4	117.3	--
Seeds 2000	2823GTCBLL	82	22.8	47.0	116.9	130.8
Integra	9290 VT3	79	18.4	52.7	116.6	--
Pioneer	P7535HR	75	17.0	52.7	116.3	--
Gold Cntry	82-32	82	19.7	50.9	116.2	--
NuTech	5N-183	82	17.3	49.7	115.7	--
REA	1C101	76	18.0	48.5	115.6	--
Dekalb	DKC30-20	80	15.9	53.1	114.2	130.8
Wensman	W 7080VT3	80	15.1	49.0	111.6	121.6
NuTech	3A-183	83	20.7	48.4	111.2	--
Wensman	W 6084RR	80	20.7	49.1	110.5	--
Peterson	21A78	78	18.7	51.4	109.9	133.0
Peterson	76F82	82	17.8	53.3	107.8	--
Seeds 2000	X382G	82	14.2	50.7	107.0	--
Terning	8002	81	22.3	50.0	106.5	--
Seeds 2000	2771RR	77	20.8	48.4	105.8	--
Proseed	1083 GT	83	23.7	47.1	105.8	--
Mustang	2026GTCBLL	82	21.0	47.8	105.8	--
Hyland	8098	80	18.8	50.1	105.7	--
Dyna-Gro	51V45	82	19.5	49.9	105.4	125.6
REA	1T345	79	25.5	50.2	100.0	121.6
Proseed	981 GTCBLL	81	16.3	53.3	98.3	118.8
Wensman	W 8074VT2PRO	81	15.5	52.8	98.1	--
Terning	8009	82	20.3	45.6	95.0	--
Mean			19.0	50.9	113.8	128.7
CV %			9.4	2.6	7.1	--
LSD 0.05			2.9	2.2	13.2	--

Planted: May 16. Harvested: Oct. 20. Total GDD for the trial was 1,698, 135 above normal.

¹Relative maturity as given by industry.

Table 7. 2011 Corn - Irrigated - Carrington - Authors, B. Schatz and T. Indergaard (Page 1 of 2).

Company/Brand	Hybrid	RM ¹	Hail Damage ² (%)	Harvest Moisture (%)	Test Weight (lb/bu)	Grain Yield		
						2011	2-yr. Avg.	3-yr. Avg.
Peterson	56J86	86	8.6	14.7	52.9	166.1	169.1	165.1
Kruger	K4-9489	89	12.1	16.8	51.0	163.8	--	--
Wensman	W7140VT3PRO	93	10.8	17.0	52.1	162.9	--	--
Renk	RK268VT3	83	10.4	14.7	51.9	161.9	166.2	158.9
Wensman	W7268VT3	96	10.6	17.9	50.3	160.9	--	--
Dyna-Gro	D27VC01	87	12.8	14.1	53.0	160.2	--	--
G2 Genetics	5H-492	92	12.5	16.1	51.6	158.1	--	--
Kruger	K-4189	89	13.4	15.5	50.4	157.1	--	--
Proseed	1185 VT2	85	15.0	14.4	53.3	155.6	--	--
Kruger	K-7386	86	18.2	14.6	54.6	155.0	--	--
REA Hybrids	2V550	85	19.3	14.3	54.2	154.0	--	--
Wensman	W7143VT3	93	16.8	16.1	53.5	153.6	--	--
Hyland	Hyland 8300	89	22.1	15.8	48.9	153.4	--	--
REA Hybrids	2B721	86	16.4	14.4	53.9	153.2	--	--
Wensman	W8120VT2PRO	92	20.7	16.1	53.3	150.0	--	--
REA Hybrids	2B404	85	23.2	14.2	55.7	149.3	--	--
Pioneer	P8640HR	86	19.4	15.6	52.0	147.4	--	--
Seeds 2000	2883GTCBLL	88	18.5	15.8	50.0	147.4	158.7	--
NuTech	3A-186	86	23.0	15.8	51.5	144.9	--	--
Dekalb	DKC35-43	85	26.7	14.4	55.4	144.2	152.6	--
AgVenture	2708	88	22.3	15.7	53.6	143.6	--	--
Seeds 2000	2852GTCBLL	85	20.9	16.1	51.7	141.1	159.3	--
Renk	RK212GT	82	19.7	15.5	52.6	140.9	156.9	150.4
Peterson	54M83	83	20.5	14.9	55.7	140.2	156.6	153.2
AgVenture	2949	85	18.6	14.8	53.6	139.5	--	--
Hyland	Hyland 8386	92	20.0	15.8	54.0	139.3	--	--
AgVenture	8300	83	21.7	14.7	50.7	138.5	--	--
Pioneer	39V07	80	18.9	14.8	54.2	137.5	--	--
REA Hybrids	2V688	86	18.3	14.1	53.6	137.2	--	--
NuTech	5N-186	86	23.7	15.6	51.2	137.1	161.3	--
Terning	8024	84	25.4	15.3	53.8	136.9	--	--
Proseed	1083 GTCB	83	26.1	15.3	53.4	136.5	--	--
Wensman	W7107VT3	90	22.0	15.5	53.8	135.5	--	--
Hyland	Hyland 8234	86	16.8	15.4	52.5	135.0	154.9	--
G2 Genetics	5X-9101	91	20.9	16.4	49.5	134.7	--	--
NuTech	5B-290	90	19.2	15.9	48.6	133.9	165.2	--
Proseed	1086 3000G	86	24.2	15.4	51.5	133.8	--	--
Dyna-Gro	D27GC19	87	20.7	15.7	51.7	133.4	148.0	--
Hyland	Hyland 8323	92	23.5	17.4	49.8	133.4	--	--
NuTech	5N-9001	90	18.6	17.6	50.0	133.3	--	--
Mean			20.4	15.4	52.7	136.8	155.8	153.8
CV %			26.8	3.7	1.4	8.0	--	--
LSD 0.05			7.6	0.8	1.0	15.1	--	--

Table 7. 2011 Corn - Irrigated - Carrington - Authors, B. Schatz and T. Indergaard (Page 2 of 2).

Company/Brand	Hybrid	RM ¹	Hail Damage ² (%)	Harvest Moisture (%)	Test Weight (lb/bu)	Grain Yield		
						2011	2-yr. Avg.	3-yr. Avg.
Dekalb	DKC33-53	83	17.5	14.5	53.3	132.1	--	--
Kruger	K-6282VT3	82	22.6	14.8	55.6	128.3	148.8	--
Peterson	76F82	82	18.1	14.5	57.6	127.3	--	--
Renk	RK295GTCBLLRW	85	28.9	16.7	48.7	126.7	--	--
Kruger	K-6385VT3	85	22.9	14.5	55.6	126.1	143.7	140.7
Kruger	K-0482	82	29.3	13.9	55.5	123.5	--	--
Dyna-Gro	51V57	85	17.2	15.6	53.8	122.5	157.6	154.6
G2 Genetics	5H-8902	89	21.1	16.5	51.1	122.5	--	--
AgVenture	4342	92	19.6	14.9	48.8	121.3	--	--
Terning	8009	82	22.0	14.3	53.3	119.6	--	--
REA Hybrids	2T149	85	28.5	14.7	56.3	116.2	138.1	--
NuTech	5N-290	90	20.1	15.4	48.2	115.4	--	--
Terning	8002	81	31.3	15.5	56.2	111.6	--	--
G2 Genetics	5X-8901	89	28.6	16.4	54.3	110.7	--	--
Quality Seed Genetics	QSG 6190	90	22.2	15.7	51.7	107.4	--	--
Quality Seed Genetics	QSG 6094	95	30.3	15.9	49.1	100.0	--	--
AgVenture	7900	79	26.7	14.3	56.4	96.6	--	--
Quality Seed Genetics	QSG 6095	95	17.4	18.3	48.1	95.5	--	--
Mean			20.4	15.4	52.7	136.8	155.8	153.8
CV %			26.8	3.7	1.4	8.0	--	--
LSD 0.05			7.6	0.8	1.0	15.1	--	--

Planting Date: May 16. Harvest Date: Oct. 18. Previous crop: spring wheat. Trial was impacted by a hail storm on July 24.

Hail damage included leaf stripping/defoliation along with a moderate level of stem breakage.

¹Relative maturity as given by industry.

²Hail damage score represents the percent of plants with stem breakage/stalks that were broken by hail stone impacts.

Table 8. 2011 Corn - Dryland - Oakes (Carrington REC) - Authors, W. Albus and L. Besemann (Page 1 of 2).

Company/ Brand	Hybrid	RM¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield (bu/a)
Seeds 2000	9504VT3P	95	21.5	53.2	217.3
Kruger	K-6399VT3	99	23.3	51.1	214.6
Kruger	K4-9100	100	25.8	50.8	207.4
REA Hybrids	4T297	95	22.6	50.8	203.9
Kruger	K-6201VT3	101	27.2	51.1	202.9
REA Hybrids	4V653	96	22.3	52.9	201.6
Quality Seed Genetics	QSG 6197 CONV	97	27.4	50.5	192.6
Kruger	K-6102VT3	102	21.5	54.4	192.6
Kruger	K-4292	92	20.6	52.8	189.5
Kruger	K-7194	94	19.2	54.1	187.9
Pioneer	P9807HR	98	23.8	52.0	186.7
Wensman	W7273VT3	98	23.6	51.7	186.5
REA Hybrids	3B330	90	19.4	54.5	184.0
Renk	RK530VT3P	94	20.3	54.0	181.7
PFS	76R92	90	20.8	51.5	177.2
Wensman	W8120VT2PRO	92	21.8	51.8	177.2
Seeds 2000	2956 RR	95	21.8	53.2	176.8
G2 Genetics	5H-797	97	35.4	49.1	175.8
REA Hybrids	4B285	93	21.4	51.8	175.1
REA Hybrids	4A609	95	21.4	53.9	173.1
Renk	RK559VT3P	95	24.7	50.9	171.6
Integra	9453 VT3	95	22.0	52.2	171.6
G2 Genetics	5X-500	100	21.3	52.6	171.6
Proseed	794 3000GT	95	20.3	51.9	170.7
Kruger	K4-9302	102	26.2	50.3	168.6
Wensman	W7140VT3PRO	93	20.6	54.5	168.4
Seeds 2000	2903GTCBLL	90	19.0	52.7	168.2
Proseed	1193 VT3Pr	93	20.6	54.0	168.0
Proseed	1191 VT3Pr	91	19.8	53.3	167.8
Channel	19732VT3P	97	24.9	51.2	167.4
Dairyland	ST-9992	92	19.5	54.4	166.8
REA Hybrids	3V376	89	19.2	53.8	164.9
Wensman	W7268VT3	96	21.9	51.7	164.8
REA Hybrids	4V588	94	20.4	54.7	164.1
Seeds 2000	9602G3	96	20.0	52.7	163.1
Channel	190-95VT3P	90	19.4	54.4	161.7
Pioneer	P0115AM1	101	24.2	50.5	161.5
Terning	8244	96	23.8	50.8	161.0
Legend	9095	95	21.7	52.6	160.7
Mean			22.1	52.1	166.3
CV %			10.4	4.4	15.3
LSD 0.05			3.2	3.2	35.5

Table 8. 2011 Corn - Dryland - Oakes (Carrington REC) - Authors, W. Albus and L. Besemann (Page 2 of 2).

Company/ Brand	Hybrid	RM¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield (bu/a)
Channel	196-06VT3P	96	23.3	49.9	160.5
Dairyland	ST-7192	92	22.5	50.1	160.4
NuTech	5N-001	100	25.0	49.3	159.8
Dairyland	ST-9291SSX	91	18.1	52.8	159.4
Renk	RK434VT3P	92	19.6	53.5	159.4
REA Hybrids	3B266	89	18.6	53.8	158.6
Proseed	1091 3000GT	91	19.6	50.5	158.4
Kruger	K-7593	93	19.7	54.5	158.3
Kruger	K-7495	95	23.8	51.0	158.2
Quality Seed Genetics	QSG 6194 CONV	95	21.7	52.6	158.0
NuTech	5N-197	97	24.4	51.7	157.6
NuTech	3A-9901	99	21.7	50.8	157.6
Kruger	K4-9599	99	27.0	49.2	156.8
Terning	TS8229	93	19.8	52.8	156.3
G2 Genetics	5X-895	95	24.1	48.5	156.1
Legend	9293	93	21.5	53.3	155.7
G2 Genetics	5X-795	95	20.0	52.8	155.1
Wensman	W7290VT3PRO	99	25.2	51.2	155.1
Wensman	W7270VT3PRO	97	22.4	52.0	154.8
Garst	89K65	88	18.5	53.3	152.6
Garst	88W22	97	22.0	49.7	149.9
G2 Genetics	5H-0101	101	25.5	50.0	149.4
Peterson	48Q95	95	18.8	54.4	145.5
Quality Seed Genetics	QSG 6190 CONV	90	20.8	52.4	143.7
Quality Seed Genetics	QSG 6095 RR	95	22.9	53.6	143.2
Peterson	87V95	95	22.9	51.2	141.7
Renk	RK585VT3P	96	24.6	49.7	140.9
Renk	RK302GTCBLLRW	90	17.0	54.6	136.3
Quality Seed Genetics	QSG 6198 CONV	98	24.4	52.1	134.7
Quality Seed Genetics	QSG 6095 CONV	95	24.7	49.7	132.4
Garst	88R16	94	20.4	51.0	124.6
Legend	9090	90	16.6	54.3	120.9
Garst	89T43 ²	92	17.8	52.3	--
Mean			22.1	52.1	166.3
CV %			10.4	4.4	15.3
LSD 0.05			3.2	3.2	35.5

Planted: May 11. Harvested: Oct. 27. Previous crop: soybean.

¹Relative maturity as given by industry.²All replications of this hybrid were significantly damaged by excess water so yield data were excluded.

Table 9. 2011 Corn - Irrigated - Oakes (Carrington REC) - Authors, W. Albus and L. Besemann (Page 1 of 2).

Company/ Brand	Hybrid	RM ¹	Green ² Snap (%)	Harvest Moisture (%)	Test Weight (lb/bu)	Grain Yield	
						2011 ³ ------(bu/a)-----	2-yr Avg.
G2 Genetics	5H-0101	101	10	16.4	55.8	236.5	--
Wensman	W7320VT3PRO	101	4	17.8	58.1	234.0	--
Ag Venture	5925	101	7	16.6	56.7	233.8	--
Garst	88W22	97	14	15.5	57.6	228.0	--
G2 Genetics	5H-501	101	12	16.8	56.8	225.1	--
Pioneer	P9910AM1	99	16	16.5	54.7	222.0	--
Seeds 2000	9602 G3	96	19	15.3	57.5	210.8	215.6
NuTech	5N-001	100	15	17.3	54.5	208.9	--
G2 Genetics	5X-795	95	12	15.6	57.3	208.7	--
G2 Genetics	5X-500	100	13	16.6	57.6	208.4	--
Peterson	87V95	95	19	17.0	57.5	203.8	--
Seeds 2000	2982 GT	98	26	16.4	58.6	203.2	223.8
G2 Genetics	5H-797	97	25	24.2	55.0	200.9	213.7
Proseed	1191VT3Pr	91	14	14.7	57.4	200.5	--
Wensman	W7268VT3	96	14	16.7	57.4	200.0	214.4
Pioneer	P9917AM1	99	26	17.2	57.2	199.1	--
Garst	88V62	97	10	15.3	58.0	198.1	--
Seeds 2000	3021 G3	101	35	17.6	54.8	196.7	--
Ag Venture	5267	97	20	17.1	57.4	193.7	--
Dekalb	DKC42-72	92	25	15.4	57.5	193.0	199.9
NuTech	5N-197	97	33	16.7	57.5	189.2	212.2
Pioneer	P9630AM1	96	25	15.8	57.3	189.1	--
Wensman	W7273VT3	98	25	17.2	56.7	187.6	204.8
Quality Seed Gen.	QSG 6197	97	25	19.2	55.1	186.2	--
Ag Venture	4802	95	20	15.3	56.9	186.0	--
Quality Seed Gen.	QSG 6095	95	20	16.7	57.5	184.0	--
Integra	9453 VT3	95	12	16.2	57.9	182.8	194.7
Peterson	48Q95	95	25	15.7	57.5	182.6	--
NuTech	3A-9901	99	23	15.5	56.2	180.8	--
G2 Genetics	5X-895	95	35	17.0	54.8	180.6	207.8
Proseed	794 3000GT	95	24	15.2	58.0	177.0	189.8
Seeds 2000	9902 G3	99	32	16.1	57.6	175.7	--
Renk	RK559VT3P	95	30	15.2	58.6	169.9	191.0
Quality Seed Gen.	QSG 6190	90	17	15.7	57.5	169.3	--
Garst	88R16	94	34	15.1	58.2	167.9	--
Dairyland	ST-9992	92	31	15.2	58.6	166.9	--
Hyland	Hyland 4424	98	28	16.4	57.9	165.1	--
Wensman	W7270VT3PRO	97	41	15.2	58.3	165.0	--
Hyland	Hyland 8395	95	39	15.2	56.6	162.4	--
Dairyland	ST-6494	94	35	14.5	57.9	161.7	182.2
Mean			31	16.1	57.3	172.2	202.5
CV %			27	3.6	1.0	10.6	--
LSD 0.05			11	0.8	0.8	25.6	--

Table 9. 2011 Corn - Irrigated - Oakes (Carrington REC) - Authors, W. Albus and L. Besemann (Page 2 of 2).

Company/ Brand	Hybrid	RM ¹	Green ²	Harvest	Test	Grain Yield	
			Snap (%)	Moisture (%)	Weight (lb/bu)	2011 ³ ------(bu/a)-----	2-yr Avg.
Quality Seed Gen.	QSG 6094	95	21	16.1	58.1	160.8	--
Dairyland	ST-9291 SSX	91	44	14.8	56.6	160.4	--
Hyland	Hyland 8454	93	34	15.6	57.8	159.8	--
Renk	RK585VT3P	96	41	16.6	57.1	157.7	--
Ag Venture	2708	88	28	15.0	58.7	156.3	--
Terning	TS8229	93	31	14.9	57.9	155.8	--
Garst	89T43	92	39	14.5	57.6	154.6	--
Ag Venture	4342	92	30	14.9	57.1	153.6	--
Renk	RK302GTCBLLRW	90	35	14.8	57.3	153.5	--
PFS	76R92	90	39	14.9	58.2	152.3	--
Hyland	Hyland 8377	94	47	14.9	56.3	151.0	--
Terning	8244	96	43	15.4	57.4	145.1	--
Renk	RK434VT3P	92	43	14.9	58.4	143.3	182.0
Hyland	Hyland 8386	92	48	15.1	59.0	136.8	--
Renk	RK530VT3P	94	47	14.9	58.9	133.4	--
Proseed	1193VT3Pr	93	52	14.8	58.9	129.8	--
Ag Venture	2949	85	49	14.6	58.1	119.5	--
Wensman	W7290VT3PRO	99	60	17.1	57.6	118.2	--
Dekalb	DKC45-51	95	57	16.5	57.7	114.5	--
Dekalb	DKC48-12	98	69	16.0	56.6	101.3	--
Quality Seed Gen.	QSG 6198	98	62	18.6	56.0	99.4	--
Quality Seed Gen.	QSG 6095	95	66	15.9	57.3	85.0	--
G2 Genetics	5H-597	97	79	16.7	55.4	72.6	--
Mean			31	16.1	57.3	172.2	202.5
CV %			27	3.6	1.0	10.6	--
LSD 0.05			11	0.8	0.8	25.6	--

Planted: May 6. Harvested: Oct. 20. Previous crop: soybean.

¹Relative maturity as given by industry.

²Percentage of stalks green snapped in each hybrid.

³Regression shows a relationship of $R^2=0.86$ for green snap influence on yield.

Table 10. 2011 Corn - Griggs and Steele Counties, Author, J. Ransom.

Company/ Brand	Hybrid	RM ¹	Griggs County			Steele County			Avg. of two locations
			Moisture (%)	Test Wt (lb/bu)	Yield (bu/a)	Moisture (%)	Test Wt (lb/bu)	Yield -----(bu/a)----	Yield
Legend	9887 VT2P	87	23.2	46.7	179	16.7	53.4	186	182
Hyland	CVR34	86	19.5	50.6	170	17.4	49.9	179	175
Dekalb	3907	89	18.9	54.8	180	18.5	51.8	168	174
Peterson	56J86	86	18.5	51.9	169	18.2	50.4	179	174
Hyland	8234	86	17.3	53.4	188	18.5	52.6	154	171
Gold Country	85-39 VT3P	85	19.6	51.8	176	16.9	55.0	164	170
Seeds 2000	2852 GTCBLL	85	17.7	52.6	163	17.9	54.1	175	169
Pioneer	P8640	86	18.9	52.0	180	16.7	53.5	156	168
Pioneer	P8581R	85	19.2	52.2	166	18.5	50.8	168	167
Thunder	8198 GT	89	19.1	55.0	180	17.7	50.9	154	167
Peterson	54M83	83	19.6	52.4	167	17.3	53.4	167	167
Seeds 2000	8801 VT3	85	20.1	51.7	170	18.8	47.6	162	166
Dekalb	3634	86	19.5	50.9	171	19.5	51.8	154	162
Gold Country	87-27 VT2P	87	20.3	47.5	173	18.8	53.5	151	162
Thunder	8024 GT	84	19.4	50.9	164	18.1	52.1	160	162
Integra	9361 VT3	86	19.2	51.5	171	19.8	47.8	152	162
Dekalb	3543	85	19.8	49.5	176	19.3	52.0	144	160
Stine	9150	82	19.9	48.8	170	17.8	50.4	148	159
Integra	9350 VT3	85	16.9	52.5	163	18.3	54.9	153	158
Croplan	2551 RR	85	19.5	51.6	143	16.5	55.0	171	157
Croplan	2280 AS3000/GT	83	18.8	53.4	155	17.1	55.3	157	156
Legend	9984	84	21.3	50.0	149	15.5	55.0	157	153
NorthStar	85-212	85	17.7	51.7	162	17.3	55.6	138	150
Dekalb	3353	83	18.7	53.4	146	19.1	52.5	152	149
Proseed	1083 GT	83	19.3	54.6	156	16.2	52.0	141	148
Integra	9333 VT2 Pro	83	19.0	50.6	158	17.3	52.5	133	146
Peterson	92L82	82	19.2	50.8	149	19.4	54.7	143	146
NorthStar	89-210	89	18.8	52.6	146	18.2	51.4	145	146
Hyland	4227	85	18.4	51.1	131	17.5	52.0	157	144
NorthStar	90-101	90	19.5	51.7	157	17.5	51.9	129	143
Peterson	76F82	82	19.3	52.2	150	18.3	51.3	136	143
Proseed	1185 VT2	85	17.9	53.7	125	16.3	54.0	155	140
Thunder	8002 GT	81	18.0	50.8	135	19.4	50.2	133	134
Thunder	8009 GT	82	18.0	54.0	136	20.8	47.7	130	133
Hyland	8098	79	19.5	52.7	128	17.1	55.6	117	123
Mean			19	52	160	17.9	52.3	153	157
CV %			8.1	5.2	13.7	8.7	5.5	13.7	13
LSD 0.05			2.4	4.2	35	3.0	4.6	35	25

Planted: May 16 - Griggs, May 17 - Steele. Harvested: Oct. 13. Average harvested population 33,000 - Griggs, 29,900 Steele.

¹Relative maturity as given by industry.

Table 11. 2011 Corn - Ransom County - Author, Joel Ransom.

Company/Brand	Hybrid	RM ¹	Dropped	Grain	Test	Grain Yield
			Ears ²	Moisture	Weight	2011
			(no/a)	(%)	(lb/bu)	(bu/a)
Nutech	5x-795	95	3,248	19.6	54.8	215
Channelbio	196-06VT3P	96	0	20.8	52.7	208
Pioneer	38A57	97	696	18.3	57.2	204
Producers Hybrids	5223 VT2 Pro	92	812	17.2	54.8	202
Croplan	3337	91	348	18.1	53.7	202
Pioneer	P9630AMI	96	1,856	19.1	54.8	200
Producers Hybrids	5408 St	94	464	19.3	53.4	198
Channelbio	190-21VT3P	90	696	16.6	55.1	196
Stine	9207 GTCBLL	90	7,424	19.1	51.8	191
Stine	9206 RR	90	348	17.8	54.7	183
Thunder	TS 8229 UT DP	92	232	17.2	55.0	183
Mustang	2307 VT3	86	1,508	16.1	55.3	183
Mycogen	2J337	92	1,276	18.8	54.8	182
Seeds 2000	2903 GTCBLL	90	3,248	18.3	52.2	181
Peterson	76R92	92	116	18.5	53.8	181
Seeds 2000	9602 G3	96	5,104	17.8	52.1	180
Mustang	3026 GTCBLL	90	5,568	19.0	52.5	180
Thunder	TS 8198 GTCBLL	90	4,176	18.8	51.6	179
Integra	9453 VT3	94	348	19.9	52.9	177
Legend	LR 9293 GenSS	95	1,392	18.2	54.9	176
Peterson	53B97	97	2,204	18.5	55.3	175
Integra	9390 VT2 Pro	89	580	17.0	54.3	174
Croplan	2924 Dpro	89	116	17.5	54.9	173
ProSeed	1193 VT3 Pro	93	116	17.9	56.1	173
Legend	LR 9091 GenSS	90	812	19.2	54.1	166
Nutech	5H492	92	580	17.9	54.3	164
ProSeed	1091 3000 GT	91	2,552	17.4	52.1	161
Hyland	8454	92	232	19.7	53.5	159
Mycogen	2T224	86	1,160	17.2	54.2	148
Mean			1,628	18.3	54.0	182
CV %			106	6	2	10
LSD 0.05			2,736	1.7	1.3	30

Planted: May 16. Harvested: Oct. 14. Average harvested population: 31,685.

¹Relative maturity as given by industry.

²Ears were picked up and included in the harvest.

Table 12. 2011 Corn - Minot (North Central REC) - Authors, Mark Halvorson, Angela Sebelius and James Tarasenko.

Company/ Brand	Hybrid	RM ¹	Harvest Moisture (%)	Test Weight (lb/bu)	Grain Yield		
					2011	2-yr. Avg. (bu/a)	3-yr. Avg.
NuTech	5H-080	82	23.3	53.5	167	--	--
NuTech	5N-183	82	21.3	55.0	160	--	--
NuTech	3A-183	83	18.8	55.8	157	--	--
AgVenture	8300	83	21.7	52.9	153	--	--
Proseed	781 RRBt	81	30.6	52.7	151	150	141
Seeds 2000	2823 GTCBLL	82	17.3	56.3	151	--	--
NuTech	5H-279	79	23.7	56.5	147	--	--
Proseed	981 GTCBLL	81	23.4	57.5	145	140	132
AgVenture	2949	83	17.6	54.8	143	--	--
Proseed	1083 GT	83	19.3	55.3	141	--	--
Integra	9333 VT2 Pro	--	20.1	59.4	135	--	--
REA	1A218	80	23.0	58.2	134	130	--
NuTech	3A-080	80	20.9	53.8	133	--	--
REA	1B880	82	14.9	57.2	132	--	--
Integra	9350 VT3	--	19.8	56.2	131	--	--
Peterson	76782 PFS	82	21.9	59.7	131	--	--
Seeds 2000	2771 GT	77	21.6	55.4	125	--	--
Dyna-Gro	51V45	82	18.7	59.9	125	128	116
Seeds 2000	8201 VT3	82	16.8	56.8	124	--	--
AgVenture	7900	79	17.0	57.9	118	--	--
Integra	6385 VT3	85	18.1	56.5	117	126	117
Dyna-Gro	CX11179	79	16.4	59.5	114	--	--
DEKALB	DKC30-20	80	18.6	60.3	113	119	--
REA	1V115	78	19.9	60.5	110	--	--
DEKALB	DKC33-53	83	19.4	56.5	109	112	103
Hyland	8105	81	16.4	58.5	109	--	--
Hyland	8098	80	21.4	56.0	105	--	--
Integra	9312 VT3	--	19.2	59.9	104	--	--
REA	1C101	76	15.6	61.4	100	--	--
REA	1T345	79	18.9	58.8	99	112	103
Hyland	HL 3085	85	14.9	60.2	97	--	--
Dyna-Gro	50K21	78	16.5	59.3	95	108	100
Mean			19.6	57.2	127	125	116
CV %			9.7	1.2	10.1	--	--
LSD 0.05			2.7	0.9	18	--	--

Trial was planted on May 17 with a seeding rate of 22,000 PLS and harvested on Oct. 18.

¹Relative maturity as given by industry.

Table 13. 2011 Corn - Dryland - Williston - Authors, G. Bradbury and Sara Loomer.

Company/ Brand	Hybrid	RM ¹	Test Weight (lbs/bu)	Lodging Stalk (%)	Grain Moist (%)	Grain Yield 2011 (bu/a)
REA	1C101	76	57.1	6.3	13.4	53.0
NuTech	3A-183	83	54.0	15.0	14.9	52.8
G2 Genetics/NuTech	3A-080	83	50.3	0.0	14.1	52.1
NuTech	5N-183	83	52.8	5.0	16.2	50.9
Seeds 2000	2823 GTCBLL	82	53.6	8.8	15.1	50.2
Dyna-Gro	CX11179	79	55.3	2.5	15.4	47.2
Dyna-Gro	51V45	82	56.4	0.0	14.9	45.7
Dyna-Gro	50K21	78	54.6	22.5	16.4	45.4
REA	2V550	85	55.5	11.3	15.9	44.8
G2 Genetics/NuTech	5H-080	80	49.2	2.5	15.4	44.4
Dekalb	DKC30-20	80	56.6	5.0	12.9	42.5
G2 Genetics/NuTech	5H-279	79	53.0	31.3	14.6	39.2
REA	1B880	82	54.2	12.5	16.6	36.3
REA	2B404	85	55.3	0.0	16.8	35.4
REA	1T345	79	57.4	20.0	19.2	35.3
Peterson	54M83	83	56.0	2.5	17.3	34.8
Peterson	76F82	82	57.6	3.8	18.8	31.0
Dekalb	DKC35-43	85	57.6	3.8	19.7	28.9
Dekalb	DKC33-53	83	54.6	12.5	18.7	22.2
Mean			54.8	8.7	16.1	41.7
CV %			1.2	94.6	7.5	16.6
LSD 0.05			1.4	11.7	1.7	9.8

Planted: June 2. Harvested: Oct. 4. Average harvested plant population: 17,345.

¹Relative maturity as given by industry.**Table 14. 2011 Corn - Irrigated - Williston - Authors, T. Tjelde and C. Wahlstrom.**

Company/ Brand	Hybrid	RM ¹	Test Weight (lbs/bu)	Grain Moist (%)	Grain Yield 2011 (bu/a)
REA	1B880	82	55.9	15.4	153.0
REA	2V550	85	56.6	15.9	148.5
G2 Genetics/NuTech	5H-080	80	52.0	16.2	145.5
G2 Genetics/NuTech	5H-279	79	56.3	16.5	145.4
Peterson	76F82	82	58.7	16.1	141.4
Dekalb	DKC35-43	85	57.7	16.2	140.9
REA	2T149	85	58.6	17.2	139.1
G2 Genetics/NuTech Seed	3A-080	80	52.9	14.6	137.8
Peterson	54M83	83	57.1	17.0	137.6
Dekalb	DKC33-53	83	55.0	17.2	136.3
NuTech	5N-183	83	54.5	16.2	133.5
Dekalb	DKC30-20	80	59.0	15.0	132.5
REA	1T345	79	56.1	15.6	130.6
NuTech	3A-183	83	55.5	16.4	129.5
Dyna-Gro	51V45	82	58.2	16.5	126.2
Seeds 2000	2823 TCBL	82	55.4	16.5	123.5
REA	1V115	79	55.2	15.5	120.3
Dyna-Gro	50K21	78	57.6	16.8	120.2
Mean			56.2	16.1	135.7
CV %			1.5	5.3	5.3
LSD 0.05			1.8	1.2	10.3

Planted: May 25. Harvested: Oct. 21. Previous crop: barley.

¹Relative maturity as given by industry.**For more information on this and other topics, see: www.ag.ndsu.edu**NDSU encourages you to use and share this content, but please do so under the conditions of our Creative Commons license. You may copy, distribute, transmit and adapt this work as long as you give full attribution, don't use the work for commercial purposes and share your resulting work similarly. For more information, visit www.ag.ndsu.edu/agcomm/creative-commons.

North Dakota State University does not discriminate on the basis of age, color, disability, gender expression/identity, genetic information, marital status, national origin, public assistance status, sex, sexual orientation, status as a U.S. veteran, race or religion. Direct inquiries to the Vice President for Equity, Diversity and Global Outreach, 205 Old Main, (701) 231-7708.

County Commissions, NDSU and U.S. Department of Agriculture Cooperating. This publication will be made available in alternative formats for people with disabilities upon request, (701) 231-7881.