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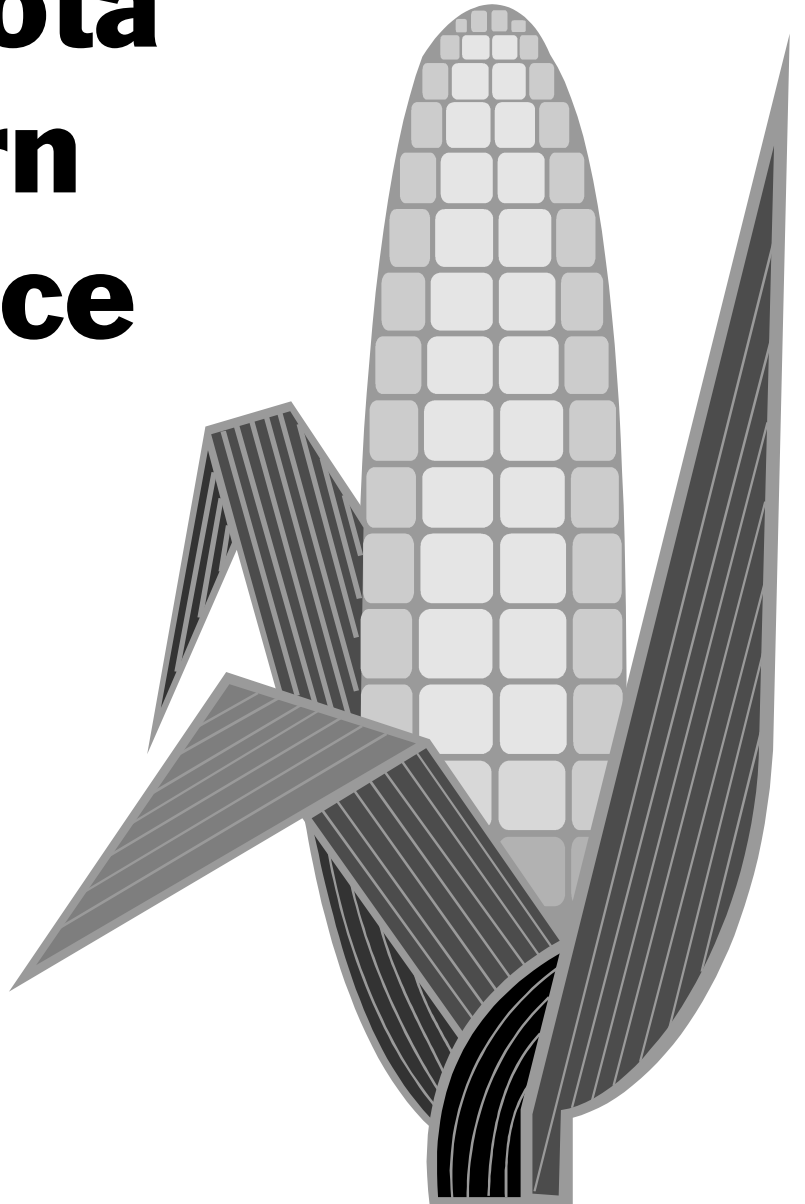
North Dakota Hybrid Corn Performance Results 2008

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Data reported in this publication were collected under the supervision of the following personnel:

Fargo, Casselton, Larimore, Prosper Thompson, Lakota, Colfax, Forman and Barney	Marcelo J. Carena, associate professor and corn breeder
Carrington	Blaine Schatz, Research Extension Center director and agronomist Steve Zwinger, agronomist
Langdon	Bryan Hanson, agronomist
Minot	Mark Halvorson, agronomist
Williston	Neil Riveland, agronomist
Finley	Joel K. Ransom, extension agronomist

Corn Production in North Dakota in 2008

In 2008, the area planted to corn was 2.55 million acres, nearly identical to the acreage planted in 2007, which was a record high for North Dakota. If the estimated yield of 124 bushels per acre (bu/a) is achieved, the total corn production of 285 million bushels will be the largest corn harvest and crop value ever recorded.

2008 Growing Season

The growing degree day accumulations in 2008 were well below normal in nearly every region of the state. Drought was severe in many western locations, while rainfall was excessive in early spring in eastern North Dakota and again in October. The first killing frost in much of the state was delayed until well into October, and conditions were relatively cool in both October and November. This coupled with the cool summer conditions, resulted in excessively wet grain at harvest, especially in late maturing hybrids and when harvested in October. November and December harvests helped reduce moisture this year. Rain further delayed harvest and many acres were harvested late in the season or have not yet been harvested at the time of writing this report.

Background of the Corn Breeder Hybrid Performance Trials

Most of the corn hybrids in North Dakota are still late maturing, lack stress tolerance and often, as in 2008, ended up with poor quality unless early maturing hybrids were harvested late in the fall. Corn value decreases when harvested at high moisture levels. Developing new early maturing corn hybrids in close cooperation with the seed industry is a long-term solution for maintaining profit statewide. The NDSU corn breeding program conducted 65 replicated experiments in 2008, including 22,360 plots across 22 locations mostly in North Dakota. The hybrid trials reported here are a minimum part of the overall corn breeding research efforts being conducted at NDSU to provide the most accurate methodology for hybrid adaptation to North Dakota's environmentally challenging conditions. Results were based on genetic and statistical unbiased principles with the most efficient choice of experimental designs, randomization and replication. Nine state unbiased performance trials were conducted by the NDSU corn breeding program to aid North Dakota farmers in hybrid selection. The decision of choosing new hybrids should not be dependent on "local" results. Hybrids were tested across locations within regions (northeastern North Dakota, east-central North Dakota and southeastern North Dakota) to aid producers in selecting the most stable hybrid for their farms with minimum risk. We made sure results were not limited to one site because top hybrids should be stable, repeatable and flexible to environmental change across locations. Knowing how to choose the right hybrid from unbiased results, if done correctly, is very profitable. No matter how many replications are conducted in one location, results are limited to that site and will not be repeatable (even if the producer's land is close to the NDSU site). Statistically, the average variability in hybrid performance across years has been approximately 30 bushels per acre (measured by the least significant difference). Producers need and have the opportunity to take advantage of this variability. The data that were generated, if properly utilized, could be worth more than \$300 million annually to North Dakota corn producers.

History

Hybrid corn performance trials have been conducted in North Dakota for 70 years. The objective of this testing program is to provide unbiased information to farmers, extension agents, and private companies on the performance of corn hybrids available in North Dakota. Comparative yield trials among corn landraces were initiated at NDSU (then the ND Ag. College) in 1892. Trials comparing open-pollinated varieties and hybrids were performed in Fargo in the early 1930s, and the first annual public report was made available in 1938. In that year, an agreement was set up between the North Dakota Agricultural Experiment Station and the Agricultural Extension Service to grow commercial hybrids and open-pollinated varieties in comparative yield trials at three state locations. It was a cooperative initiative among the corn-breeding project (headed by William Wiidakas, NDSU corn breeder), Agronomy Department (now Department of Plant Sciences), Agricultural Extension Service, seed dealers, farm cooperators, State Seed Department and county Extension agents. Thirty-eight commercial hybrids, 11 experimental hybrids, three check hybrids and 13 open-pollinated varieties were tested in the corn breeder performance trials. The percentage of corn acreage planted to hybrids was 35 percent in the southeastern area (12 percent was the average for the state), while open-pollinated varieties were being replaced rapidly. The goals in the early trials were to prove the superiority of hybrids over open-pollinated varieties, determine their suitability to North Dakota environments and make an objective comparison among the hybrids that were for sale.

Test Program for Lakota, Thompson and Larimore (northeastern North Dakota); Fargo, Casselton and Prosper (east-central North Dakota); Colfax, Forman and Barney (southeastern North Dakota).

Every year, corn companies and producers are invited to participate in the hybrid corn performance trials conducted by the corn breeding program at NDSU. Each entry was assigned a number and was randomized, depending upon the experimental design utilized. Partially balanced lattice or randomized complete block designs were used for these trials. Plots used in these evaluations consisted of three rows spaced at 30 inches with lengths of 23 feet on all locations. Control of weeds and fertilizer applications were adequate for optimum production at all locations, depending on local management. All plots were planted and harvested with machines designed for research plots. Plots were overseeded and later thinned to the desired plant population. Stand counts are collected at harvest to avoid yield performance biases (Note: not all trials in this report have provided stand counts. Hybrids with higher plant populations often show higher yields that are not due to their genetic potential). Plots were harvested with a corn-plot combine with electronic equipment for grain weight, grain moisture and test weight. Grain yield is reported in bushels of shelled corn per acre, adjusted to 15.5 percent grain moisture. Root lodging is reported as the percentage of ear-bearing plants leaning at an angle of more than 30 degrees at harvest. Stalk lodging is the percentage of ear-bearing plants broken below the ear at harvest.

Statistical Analyses and Suggestions for Comparing Performance Among Hybrids

Data were analyzed using SAS software version 9.1. For details on the statistical analyses and experiment design, contact the corn breeder at NDSU.

Several statistical tests are available for comparing corn hybrid mean performance. The least significant difference (LSD) is encouraged due to its simplicity. However, other successful methods are available (for example, FLSD, etc.). When two hybrids differ in grain yield more than the LSD value, the chance is high that the difference is real. Statistically, if the difference among them is greater than the LSD value, those hybrids then are considered different. The experiment means are calculated and included for each location. The coefficient of variation (CV) is added as an indirect measure of experiment precision. For corn in North Dakota, you can rely on CV values below 20 percent. However, low experiment means (for example, Larimore) usually will increase the CV and, therefore, you should not perceive that the high CV at this site or other sites with a low average means accuracy was reduced.

Hybrids are ranked in descending order of grain yield. Selection indices always are a good way to find positive attributes in a hybrid. Selecting a hybrid based on only one trait is not a good strategy.

A successful index for North Dakota environmental conditions is the performance index (PI):

$$PI = [(GY/GY \text{ experiment mean})/(GM/GM \text{ experiment mean})] \times 100$$

where GY = Grain Yield and GM = Grain Moisture at Harvest.

The PI identifies hybrids that are outstanding for grain yield and grain moisture at harvest. This index can help you find early hybrids with high productivity to avoid risky hybrids. High ratings (>100) suggest better than average performance based on the index. Use the PI included in the following tables to help you select hybrids that are not only high yielding but also are early maturing. Early maturing hybrids can outperform late-maturing ones if correctly identified.

Comparing performance among hybrids is neither an exact science nor a job for only one year. Variations in soil uniformity, biotic and abiotic factors, and cultural practices can interact with hybrids and, therefore, influence results. Stable performance under different environmental conditions is an important characteristic to look for in a hybrid. A hybrid that demonstrates good performance in several locations and years can be considered stable and acceptable for selection. Planting good early corn hybrids that are genetically different can help reduce the risk normally associated with North Dakota growing seasons. Insurance companies might not cover late-maturing hybrids for early maturing regions in the near future. Reduce risk in hybrid choice by planting more than one hybrid that demonstrates good performance, especially across locations within regions. Check with company representatives to ensure that hybrids selected are genetically different. For hybrids that were entered in previous years, refer to previous editions of the hybrid corn performance results (also see www.ag.ndsu.edu/pubs/plantsci/rowcrops/a793.pdf). Extensive performance data across years and locations should be given priority in selecting hybrids instead of visual selection (for example, give priority to data after harvest, compared with visual perception during field days) and data from large strip trials with only one strip per hybrid.

We encourage you to select hybrids that have been evaluated across locations rather than across replications within locations. The fact that the number of locations always will be better than the number of replications to increase the reliability on the hybrids you decide to plant is scientifically proven. The research provides unbiased information to assist producers in the selection of adapted, high-yielding, early maturing corn hybrids. Therefore, by the NDSU corn breeding methodology, the North Dakota corn farmer has the chance to choose the right early maturing hybrids in a very profitable way for planting the following season. Research during 10 years has shown that if a farmer wants to select the top hybrid for yield and other economical important traits for his/her farm, choosing based on three locations is 250 percent more efficient than choosing based on one location. The number of replications used in trials conducted in just one location (for example, four, six or even 100) does not matter; the results from only one location are limited and will not show genetically the best hybrid to plant the following year, even if the trial is on or near the farmer's field. Therefore, data from several locations with environmental conditions similar to the farmer's land is even better than choosing from his/her land or close by. You are welcome to contact NDSU researchers for specific details about the trials, data collection, experimental designs and statistical analyses.

Be aware of comparisons between top hybrids from one company and, for instance, the average of hybrids from a different company. Be aware of misleading relative maturities (RMs) because relative maturity is difficult to measure. Compare grain moisture at harvest with RMs; they often do not match. Be aware of the lifespan of hybrids (two-year average is typical). Knowing how to choose the right hybrids from unbiased test results can be very profitable.

Presentation of data for the entries tested does not imply approval or endorsement by the authors or agencies conducting the test. NDSU approves the reproduction of any table in this publication only if no portion is deleted, if appropriate footnotes are given, and if the order of the data is not rearranged.

Table 1. Locations and Planting Dates – 2008 North Dakota Corn Trials.

Location	Planting Date	Harvest Date	Accumulated Growing Degree Days¹	Table #
Lakota ²	5/15	11/17	1,819	2
Larimore ²	5/07	11/19	1,850	3
Thompson ³	5/09	11/24	2,206	4
Northeastern ND – Combined				5
Fargo	5/20	11/28	2,325	6
Prosper	5/06	11/18	2,273	7
Casselton ⁴	5/12	12/01	2,241	8
East-central ND – Combined				9
Barney ⁵	5/13	11/26	2,410	10
Colfax ⁶	5/14	11/11	2,415	11
Forman ⁷	5/13	11/13	2,435	12
Southeastern ND – Combined				13
Carrington – Dryland	5/06	11/10	2,056	14
Carrington – Irrigated	5/06	11/17	2,056	15
Fingal – Dryland	5/06	11/13	2,252	16
Oakes – Irrigated	5/08	11/12	2,454	17
Minot – Roundup Ready	5/16	10/31	2,034	18
Williston – Irrigated	5/16	11/04	2,248	19
Langdon	5/15	10/31	1,729	20
Finley ⁸	5/01	11/13	2,240	21

¹Growing degree days were accumulated from planting to harvest using data from the North Dakota Agricultural Weather Network. (NDAWN).

²Growing degree accumulations were obtained from the NDAWN station at Michigan, N.D.

³Growing degree accumulations were obtained from the NDAWN station at Grand Forks, N.D.

⁴Growing degree accumulations were obtained from the NDAWN station at Prosper, N.D.

⁵Growing degree accumulations were obtained from the NDAWN station at Wyndmere, N.D.

⁶Growing degree accumulations were obtained from the NDAWN station at Wahpeton, N.D.

⁷Growing degree accumulations were obtained from the NDAWN station at Oakes, N.D.

⁸Growing degree accumulations were obtained from the NDAWN station at Mayville, N.D.

Table 2. Hybrid Corn Performance Trial – Lakota, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
NuTech	3T-484 VT3	84	169.1	171	23.0	34,849	0.0	12.9	50.5
Pioneer	39 B 23	88	159.2	158	23.5	34,542	0.0	18.9	48.9
Peterson	PFS 27 L 84	84	157.6	165	22.2	34,542	0.0	13.0	46.1
Terning	TX 8181 GTCBLL	87	151.4	133	26.5	34,542	2.7	21.3	42.1
Wensman	W7083 VT3	80	150.6	167	21.0	33,977	0.0	25.9	51.5
Kruger	K-2086 RR/YGCB	86	147.7	171	20.1	34,413	0.0	39.2	51.6
Proseed	581 VT3	83	136.4	132	24.0	33,977	0.0	7.5	47.0
Monsanto	DKC 35-19(RR2/YGCB)	85	132.2	137	22.4	36,155	0.0	19.1	50.9
Gold Country	77-02-RR	77	131.4	130	23.6	34,928	0.0	70.0	52.4
Kruger	K-1178 RR	78	129.3	144	20.9	34,106	0.0	9.4	47.6
NuTech	3C-882 RR/YGCB	82	127.2	136	21.8	34,849	0.0	34.4	51.1
Proseed	879 RR	78	126.8	146	20.2	34,849	0.0	13.5	53.9
Pioneer	39 N 99	89	126.5	119	24.7	34,364	0.0	7.3	48.4
NuTech	3T-083 VT3	82	125.8	134	21.8	34,186	0.0	20.7	51.8
Hyland	HL R228	85	124.5	109	26.6	33,977	0.0	0.0	46.2
Terning	TSEX85	85	123.8	115	25.1	34,413	0.0	14.0	47.2
Mycogen	2K 154	83	123.3	110	26.2	34,234	0.0	13.3	46.3
Kruger	K-1087 RR	80	123.2	132	21.7	36,591	0.0	19.5	51.5
Pioneer	39 V 08	80	122.1	132	21.6	34,799	0.0	28.8	50.5
Hyland	HL B24R	81	121.9	95	29.8	35,720	1.2	28.0	44.1
Peterson	PFS 54M83	83	121.5	128	22.1	34,235	1.4	43.2	50.4
Seeds 2000	8201 VT3	82	121.3	113	24.9	34,235	0.0	2.8	49.4
Kruger	K-2087 RR/YGCB	87	119.1	122	22.8	34,106	0.0	18.4	49.8
Wensman	7085 VT3	84	118.3	119	23.2	35,720	0.0	14.2	49.4
Mycogen	2P 174	85	117.2	104	26.3	35,284	0.0	15.2	45.4
REA	2B 585	85-87	115.5	115	23.4	34,799	0.0	18.9	46.5
Kruger	K-1584 RR	84	113.4	101	26.2	37,076	0.0	4.7	44.1
Kruger	K-1086 RR	78	113.2	120	21.9	37,027	2.4	54.4	49.8
NuTech	1B-887 GT/CB/LL	87	113.2	87	30.3	34,671	14.7	17.3	41.9
NuTech	3T-388 VT3	88	112.6	82	31.8	37,076	0.0	15.1	42.4
Peterson	PFS 24 F 80	80	111.8	115	22.6	34,186	0.0	2.9	51.3
REA	2N 396	83-85	110.5	98	26.2	34,671	2.6	8.2	46.1
Proseed	781 RR Bt	81	108.3	84	30.1	34,106	0.0	12.9	44.5
Kruger	K-5388 YGCB	88	107.6	104	24.0	34,542	0.0	23.0	48.5
Monsanto	DKC 33-54RR2	83	107.1	96	26.0	34,106	0.0	18.5	48.0
Wensman	W 7087 VT3	85	105.5	79	31.0	36,155	0.0	4.9	42.9
Proseed	884 VT3	84	105.2	85	28.7	34,928	0.0	25.3	45.8
NuTech	3P-484 RR/YGPL	84	102.0	74	32.1	34,671	9.4	7.9	43.7
Monsanto	DKC 29-98(RR2/YGCB)	79	100.4	105	22.3	37,027	0.0	16.6	53.5
Wensman	W 7107 VT3	90	98.0	61	37.2	34,057	6.3	5.5	42.3
Kruger	K-1093 RR	85	96.2	68	32.9	34,671	0.0	16.0	44.4
NuTech	3A-390RR	90	94.7	59	37.7	34,106	0.0	36.3	41.7
REA	2N 102	85-87	94.5	78	28.2	36,155	10.3	3.4	42.9
Experiment Mean			115.9	100	27.0	33,910	1.8	17.3	46.8
LSD 0.05			37.3		6.1	3,403	9.8	25.3	5.4
CV (%)			16.6		12.1	8	273.5	73.0	5.5

Table 2. Hybrid Corn Performance Trial – Lakota, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Mycogen	2T 092	80	94.5	89	24.8	35,284	0.0	12.7	45.8
NuTech	1N-887 CB/LL/RW	87	93.5	57	38.2	34,671	35.3	12.5	40.8
Hyland	HL R22R	79	92.8	62	34.7	34,106	0.0	17.2	43.3
Terning	TS 8000 RR YGCB	83	86.1	51	39.6	34,928	0.0	2.8	40.6
Proseed	787 VT3	87	85.2	53	37.4	36,155	6.3	2.5	41.6
Wensman	W 7089 VT3	86	83.2	52	37.3	34,413	0.0	3.8	42.2
Kruger	K-1780 RR	80	80.6	65	28.7	35,720	0.0	12.7	47.7
REA	1823 YGCB/RR2	80-82	79.4	49	37.6	37,462	0.0	12.7	40.8
Experiment Mean			115.9	100	27.0	33,910	1.8	17.3	46.8
LSD 0.05			37.3		6.1	3,403	9.8	25.3	5.4
CV (%)			16.6		12.1	8	273.5	73.0	5.5

Table 3. Hybrid Corn Performance Trial – Larimore, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Wensman	W 7089 VT3	86	201.6	122	24.0	35,284	0.0	1.2	50.4
NuTech	3T-388 VT3	88	196.2	108	26.2	36,027	0.0	3.6	46.5
NuTech	3T-083 VT3	82	193.7	116	24.2	34,542	0.0	0.0	49.6
Wensman	W 7087 VT3	85	193.7	118	23.8	34,413	0.0	0.0	47.9
NuTech	1N-887 CB/LL/RW	87	193.3	114	24.6	34,849	0.0	8.8	50.4
Wensman	W 7107 VT3	90	189.8	113	24.3	34,413	0.0	2.3	48.7
Wensman	W 7085 VT3	84	189.5	110	25.0	35,333	0.0	0.0	48.7
Pioneer	39 N 99	89	189.0	125	21.8	35,205	0.0	5.0	51.0
NuTech	3P-484 RR/YGPL	84	188.1	112	24.3	34,671	0.0	2.8	49.5
Kruger	K-1584 RR	84	185.5	117	22.9	35,284	0.0	2.7	50.1
Hyland	HL R228	85	184.9	119	22.4	34,008	0.0	3.5	50.2
Mycogen	2K 154	83	184.0	104	25.6	34,106	0.0	5.3	50.7
Monsanto	DKC 35-19(RR2/YGCB)	85	179.8	112	23.3	34,750	0.0	7.6	51.3
Mycogen	2P 174	85	179.4	116	22.4	35,720	0.0	6.3	51.2
Proseed	781 RR Bt	81	178.9	102	25.5	35,284	0.0	2.5	49.1
Terning	TS 8181 GTCBLL	87	178.6	117	22.0	34,542	0.0	7.4	49.5
Proseed	787 VT3	87	178.2	107	24.0	33,977	0.0	5.3	50.3
NuTech	3T-484 VT3	84	177.8	97	26.5	34,750	0.0	1.4	47.7
NuTech	3A-390 RR	90	177.6	103	25.0	36,155	0.0	10.5	45.6
Monsanto	DKC 29-98(RR2/YGCB)	79	173.4	105	23.9	33,977	0.0	0.0	50.3
REA	2N102	85-87	173.2	120	20.9	35,720	0.0	2.3	48.1
NDSU	LH176 x ND07-226 (tropical check)	NA	172.4	98	25.5	34,671	0.0	13.9	49.7
Experiment Mean			161.0	100	23.3	35,152	0.2	6.7	49.4
LSD 0.05			28.2		3.1	3,736	1.9	18.9	3.3
CV (%)			12.9		6.6	10	524.3	139.7	3.4

Table 3. Hybrid Corn Performance Trial – Larimore, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Peterson	PFS 27 L 84	84	171.9	94	26.4	35,720	0.0	1.1	47.3
Hyland	HL B24R	81	170.5	100	24.7	36,155	1.3	0.0	45.1
Pioneer	39 V 08	80	169.6	116	21.2	34,542	0.0	6.5	50.3
NuTech	3C-882 RR/YGCB	82	168.3	123	19.8	34,750	0.0	0.0	52.2
Proseed	884 VT3	84	167.9	112	21.7	35,898	0.0	2.2	49.7
Terning	TS 8000 RR YGCB	83	166.6	99	24.3	34,849	3.7	15.5	48.9
Monsanto	DKC 33-54RR2	83	162.1	109	21.6	36,027	0.0	4.9	52.6
Kruger	K-1093 RR	85	161.2	87	26.7	34,413	0.0	0.0	47.5
Kruger	K-1178 RR	78	160.9	102	22.8	36,591	0.0	13.6	46.2
Kruger	K-2087 RR/YGCB	87	158.1	100	22.8	36,769	0.0	11.1	51.3
REA	1823 YGCB/RR2	80-82	157.6	100	22.8	34,364	0.0	0.0	48.9
Kruger	K-1780 RR	80	157.2	96	23.6	35,284	0.0	0.0	47.3
Proseed	581 VT3	83	152.9	104	21.2	33,977	0.0	1.3	50.5
Mycogen	2T 092	80	151.4	97	22.7	34,364	0.0	4.1	48.4
Kruger	K-1087 RR	80	148.5	97	22.2	35,898	0.0	9.4	51.7
NuTech	1B-887 GTCB/LL	87	143.2	89	23.4	36,462	0.0	8.1	48.4
Peterson	PFS 56J86	86	142.2	89	23.1	34,671	0.0	7.1	50.2
REA	2N 396	83-85	138.3	94	21.4	35,928	0.0	1.5	49.3
NDSU	LH176 x ND07-246 (old check)	NA	134.4	78	25.0	34,413	0.0	5.1	48.1
Proseed	879 RR	78	131.1	89	21.4	35,284	0.0	6.0	51.9
Seeds 2000	8201 VT3	82	130.6	83	22.7	34,542	0.0	0.0	49.9
Peterson	PFS 54M83	83	128.9	80	23.3	35,284	0.0	1.2	49.5
Kruger	K-2086 RR/YGCB	86	126.2	84	21.7	36,591	4.7	15.4	47.3
Wensman	W 7083 VT3	80	126.2	88	20.8	36,027	0.0	3.3	50.0
REA	2B 585	85-87	124.5	83	21.8	34,799	0.0	14.8	51.1
Kruger	K-1086 RR	78	123.2	88	20.3	34,413	0.0	16.4	50.3
Kruger	K-5388 YGCB	88	115.1	80	20.7	36,076	0.0	8.6	51.9
NDSU	LH176 x ND267 (Old check)	NA	114.6	79	21.1	36,462	0.0	7.3	52.1
Pioneer	39 B 23	88	113.4	74	22.3	33,977	0.0	42.0	49.6
Gold Country	77-02-RR	77	99.4	50	28.8	35,720	0.0	51.2	41.3
Experiment Mean			161.0	100	23.3	35,152	0.2	6.7	49.4
LSD 0.05			28.2		3.1	3,736	1.9	18.9	3.3
CV (%)			12.9		6.6	10	524.3	139.7	3.4

Table 4. Hybrid Corn Performance Trial – Thompson, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Pioneer	39 V 08	80	214.4	130	21.8	35,720	0.0	1.3	51.3
NuTech	3T-484 VT3	84	211.0	126	22.0	37,462	1.1	0.0	48.3
NuTech	3T-083 VT3	82	206.0	129	21.0	36,591	1.2	0.0	51.1
Wensman	W7107 VT3	90	198.9	110	23.8	37,462	2.2	0.0	48.1
Peterson	PFS 27L84	84	196.8	108	24.1	35,720	2.3	1.3	46.0
Pioneer	39 B 23	88	189.5	110	22.6	37,333	0.0	0.0	49.9
Dairyland	ST-7985	85	188.9	106	23.5	37,462	0.0	6.1	48.1
Proseed	787 VT3	87	187.2	110	22.4	35,284	2.6	0.0	49.2
Wensman	W7085 VT3	84	186.5	108	22.8	35,284	0.0	0.0	50.0
NuTech	3T-388 VT3	88	183.6	106	22.8	37,462	0.0	0.0	48.8
Dairyland	ST-7286	86	182.9	110	21.9	34,413	2.5	0.0	50.3
Kruger	K-1093 RR	85	182.0	96	25.0	34,849	2.5	0.0	48.4
Kruger	K-1584 RR	84	180.3	110	21.5	35,720	0.0	0.0	50.7
Terning	TS8000 RRYGCB	83	178.2	89	26.4	35,720	10.6	2.3	46.6
Proseed	884 VT3	84	177.8	108	21.7	34,106	0.0	0.0	50.7
Peterson	PFS 54M83	83	177.2	109	21.4	38,333	7.4	0.0	51.5
NuTech	1N-887 CB/LL/RW	87	177.1	100	23.4	34,849	5.0	0.0	46.1
Hyland	HL R230	86	176.9	104	22.3	35,284	1.2	0.0	49.1
Proseed	781 RRBt	81	176.5	90	25.7	35,284	8.9	0.0	46.5
NuTech	3A-390 RR	90	176.3	99	23.4	36,591	1.2	1.2	47.8
Proseed	581 VT3	83	176.3	106	21.9	34,849	0.0	1.2	48.8
Hyland	HL B34R	86	175.4	106	21.8	36,155	3.3	0.0	49.7
Peterson	PFS 56J86	86	175.0	101	22.8	38,333	7.4	0.0	48.5
NuTech	3C-882 RR/YGCB	82	171.6	107	21.2	36,769	0.0	0.0	50.3
NuTech	3P-484 RR/YGPL	84	167.9	97	22.8	34,542	2.7	0.0	48.4
Monsanto	DKC 33-54(RR2)	83	167.4	97	22.8	35,284	0.0	1.2	50.4
Seeds 2000	8201 VT3	82	167.1	105	21.0	35,284	0.0	0.0	50.0
NuTech	1B-887 GT/CB/LL	87	166.9	95	23.2	34,413	3.8	5.1	47.3
Terning	TS8181 GTCBLL	87	165.6	94	23.3	34,542	15.9	3.8	48.0
Kruger	K-1780 RR	80	165.3	104	21.0	35,284	2.5	1.2	53.2
REA	2B 585	85-87	164.8	101	21.4	34,977	6.8	2.7	51.9
Monsanto	DKC 35-19(RR2/YGCB)	85	164.1	99	21.9	34,542	2.6	0.0	51.8
Mycogen	2K154	83	163.8	91	23.8	37,027	0.0	0.0	51.4
Kruger	K-1086 RR	78	163.0	109	19.7	35,284	0.0	1.2	52.2
Hyland	HLR 228	85	161.3	97	22.0	34,542	0.0	0.0	49.2
Mycogen	2P174	85	160.0	98	21.4	35,720	1.3	1.3	51.5
Hyland	HL B24R	81	159.7	74	28.4	35,284	13.6	0.0	45.1
Mycogen	2T092	80	157.9	95	21.9	34,977	1.3	1.3	48.7
Wensman	W7087 VT3	85	157.8	94	22.2	36,205	0.0	0.0	50.3
Proseed	879 RR	78	156.6	104	19.9	35,284	0.0	1.3	52.6
Gold Country	77-02 RR	77	155.4	81	25.3	34,235	8.3	0.0	52.1
REA	2N 396	83-85	155.3	97	21.0	34,106	0.0	1.3	50.0
Wensman	W7089 VT3	86	155.1	84	24.3	36,769	0.0	1.1	49.9
Experiment Mean			169.3	100	22.3	35,720	3.1	1.2	49.8
LSD 0.05			19.3		2.1	3,801	9.4	5.7	2.8
CV (%)			9.6		4.6	7	136.1	197.1	2.8

Table 4. Hybrid Corn Performance Trial – Thompson, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Kruger	K-5388 YGCB	88	151.1	94	21.1	35,284	1.2	0.0	52.6
Kruger	K-1087 RR	80	150.7	92	21.6	35,720	2.3	1.2	50.5
REA	2N 102	85-87	150.6	99	20.1	35,284	12.4	1.3	51.1
REA	1823 HGCB/RR2	80-82	149.1	90	21.9	37,462	1.1	1.1	49.3
Wensman	W7083 VT3	80	146.2	94	20.4	34,671	6.6	0.0	50.7
Pioneer	39 N 99	89	145.4	83	23.0	34,492	5.0	2.5	49.3
Kruger	K-1178 RR	78	140.2	94	19.6	34,849	0.0	14.9	50.3
Monsanto	DKC 29-98(RR2/YGCB)	79	140.1	85	21.7	35,284	0.0	2.5	53.5
Kruger	K-2086 RR/YGCB	86	139.4	91	20.2	37,462	12.7	2.4	51.1
Kruger	K-2087 RR/YGCB	87	137.5	87	20.7	37,333	3.5	3.3	50.4
Experiment Mean			169.3	100	22.3	35,720	3.1	1.2	49.8
LSD 0.05			19.3		2.1	3,801	9.4	5.7	2.8
CV (%)			9.6		4.6	7	136.1	197.1	2.8

Table 5. Hybrid Corn Performance Trial – Northeastern North Dakota Combined, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
NuTech	3T-484VT3	84	186.0	127	23.8	35,687	0.4	4.8	48.8
Peterson	PFS 27 L 84	84	175.4	118	24.2	35,327	0.8	5.1	46.5
NuTech	3T-083VT3	82	175.2	128	22.3	35,106	0.4	6.9	50.8
Pioneer	39V08	80	168.7	128	21.5	35,020	0.0	12.2	50.7
Terning	TS 8181 GTCBLL	87	165.2	113	23.9	34,542	6.2	10.8	46.5
NuTech	3T-388 VT3	88	164.1	99	26.9	36,855	0.0	6.2	45.9
Wensman	W7101 VT3	90	162.2	93	28.4	35,311	2.8	2.6	46.4
Kruger	K-1584 RR	84	159.8	111	23.5	36,027	0.0	2.5	48.3
Monsanto	DKC 35-19RR2/YGCB	85	158.7	115	22.5	35,149	0.9	8.9	51.3
Mycogen	2K 154	83	157.0	101	25.2	35,123	0.0	6.2	49.4
NuTech	3C-882 RR/YGCB	82	155.7	121	20.9	35,456	0.0	11.5	51.2
Proseed	581 VT3	83	155.2	113	22.4	34,268	0.0	3.3	48.8
NuTech	1N-887 CB/LL/RW	87	154.6	88	28.7	34,789	13.4	7.1	45.8
Proseed	781 RR Bt	81	154.5	93	27.1	34,891	3.0	5.1	46.7
Pioneer	39B23	88	154.0	110	22.8	35,284	0.0	20.3	49.4
Pioneer	39N99	89	153.6	108	23.2	34,687	1.7	4.9	49.6
NuTech	3P-484 RR/YGPL	84	152.7	94	26.4	34,628	4.0	3.6	47.2
Wensman	W7087 VT3	85	152.3	97	25.7	35,591	0.0	1.6	47.0
Mycogen	2P174	85	152.2	106	23.3	35,575	0.4	7.6	49.4
Hyland	HL B24R	81	150.7	89	27.6	35,720	5.4	9.3	44.8
Proseed	884 VT3	84	150.3	102	24.0	34,977	0.0	9.2	48.7
Experiment Mean			148.6	100	24.2	35,305	1.8	8.7	48.6
LSD 0.05			25.2		4.6	1,630	6.5	13.9	3.7
CV (%)			10.8		7.5	3	220.3	98.3	4.7

Table 5. Hybrid Corn Performance Trial – Northeastern North Dakota Combined, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Proseed	787VT3	87	150.2	88	27.9	35,139	3.0	2.6	47.0
NuTech	3A-390RR	90	149.6	85	28.7	35,617	0.4	16.0	45.0
Wensman	W7089VT3	86	146.6	84	28.5	35,489	0.0	2.0	47.5
Kruger	K-1093 RR	85	146.4	85	28.2	34,644	0.8	5.3	46.8
Monsanto	DKC 33-54RR2	83	145.6	101	23.5	35,139	0.0	8.2	50.3
Terning	TS 8000 RR YGCB	83	143.6	78	30.1	35,165	4.8	6.9	45.4
Kruger	K-1178 RR	78	143.5	111	21.1	35,182	0.0	12.6	48.0
Peterson	PFS 54M83	83	142.5	104	22.3	35,951	2.9	14.8	50.5
NuTech	1B-887 GTCB/LL	87	141.1	90	25.6	35,182	6.2	10.2	45.8
Wensman	W 7083 VT3	80	141.0	111	20.7	34,892	2.2	9.8	50.7
Kruger	K-1087 RR	80	140.8	105	21.8	36,070	0.8	10.0	51.2
Seeds 2000	8201 VT3	82	139.6	99	22.9	34,687	0.0	0.9	49.7
REA	2N102	85-87	139.5	98	23.1	35,720	7.6	2.3	47.3
Kruger	K-2087 RR/YGCB	87	138.2	102	22.1	36,069	1.2	11.0	50.5
Proseed	879 RR	78	138.2	110	20.5	35,139	0.0	6.9	52.8
Monsanto	DKC 29-98 RR2/YGCB	79	138.0	99	22.6	35,429	0.0	6.3	52.4
Kruger	K-2086 RR/YGCB	86	137.8	108	20.7	36,155	5.8	19.0	50.0
REA	2B 585	85-87	134.9	99	22.2	34,858	2.3	12.1	49.8
REA	2N396	83-85	134.7	96	22.8	34,902	0.9	3.7	48.5
Mycogen	2T 092	80	134.6	95	23.1	34,875	0.4	6.0	47.6
Kruger	K-1780 RR	80	134.4	90	24.4	35,429	0.8	4.6	49.4
Kruger	K-1086 RR	78	133.2	105	20.6	35,575	0.8	24.0	50.7
Gold Country	77-02-RR	77	128.7	81	25.9	34,961	2.8	40.4	48.6
REA	1823 YGCB/RR2	80-82	128.7	76	27.4	36,429	0.4	4.6	46.3
Kruger	K-5388 YGCB	88	124.6	93	21.9	35,301	0.4	10.5	51.0
Experiment Mean			148.6	100	24.2	35,305	1.8	8.7	48.6
LSD 0.05			25.2		4.6	1,630	6.5	13.9	3.7
CV (%)			10.8		7.5	3	220.3	98.3	4.7

¹Performance represents the potential of each hybrid in the Northeastern North Dakota region, not just in one location.

Table 6. Hybrid Corn Performance Trial – Fargo, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
REA	1817 YGCBRRW	84-86	237.4	123	21.0	36,155	5.8	0.0	50.8
Terning	TS 8235GTCBLL	92	233.8	115	22.1	37,205	14.3	1.1	52.2
NuTech	1N-887CB/LL/RW	87	229.9	111	22.5	37,462	11.6	2.3	47.9
Wensman	W7107VT3	90	228.5	118	21.1	34,413	0.0	0.0	50.3
Kruger	K-6093VT3	93	226.3	112	22.0	36,155	11.3	0.0	48.5
Peterson	PFS 82L90	90	225.7	111	22.1	34,849	30.0	1.3	54.3
Wensman	W7143VT3	93	225.2	108	22.7	37,462	0.0	4.7	50.7
Renk	RK584CBLL	98	220.8	100	24.0	34,849	1.2	3.9	47.4
Kruger	K-1093RR	85	220.0	112	21.5	37,462	18.6	0.0	49.9
Peterson	PFS56192	92	216.6	110	21.5	35,720	3.3	0.0	50.3
NuTech	3T-393VT3	93	216.6	108	21.8	34,849	2.7	0.0	48.2
Wensman	W7118VT3	92	213.6	105	22.1	37,462	9.0	0.0	50.8
Pioneer	39B23	88	212.0	107	21.7	35,720	2.2	1.1	50.0
NuTech	3A-095RR	95	209.1	95	24.0	34,542	0.0	0.0	48.8
NuTech	3T-388VT3	88	209.1	109	21.0	34,413	0.0	1.3	52.3
Renk	RK501YGCB	95	208.9	102	22.3	34,106	2.6	2.6	50.3
Proseed	787VT3	87	208.9	114	20.0	37,462	0.0	1.1	51.5
Mycogen	2D326	92	208.0	100	22.6	34,849	1.3	0.0	49.9
Renk	RK570VT3	95	207.6	100	22.7	37,333	0.0	0.0	48.4
Hyland	HL CVR54	92	207.2	105	21.5	34,413	1.3	0.0	49.3
Dahlman	R43-42YGP	86	203.8	106	20.9	34,542	3.8	0.0	51.4
Terning	TS8181GTCBLL	87	203.3	105	21.2	37,027	12.5	12.1	50.3
Wensman	W7089VT3	86	201.7	99	22.2	35,284	2.3	0.0	49.7
Wensman	W7085VT3	84	201.5	117	18.8	37,640	0.0	0.0	53.2
Renk	RK575VT3	96	200.2	103	21.1	34,413	0.0	2.6	48.0
Dahlman	R45-25VT3	90	199.3	95	23.0	35,284	0.0	0.0	50.5
Terning	TSEX93	93	198.8	89	24.3	35,720	8.8	0.0	47.6
Legend	LR9783VT3	83	198.2	108	20.1	34,413	0.0	0.0	51.9
Kruger	K-2090RR/YGCB	90	197.2	103	20.9	37,640	9.9	0.0	51.1
Seeds 2000	8801VT3	88	195.4	96	22.2	37,205	10.4	8.3	50.6
Legend	LR9791VT3	91	195.2	95	22.3	34,106	2.4	0.0	51.0
NuTech	3T-484VT3	84	194.2	99	21.3	34,106	0.0	0.0	50.8
NuTech	3A-390RR	90	193.9	97	21.9	34,364	2.6	0.0	48.3
NuTech	3A-887	93	193.7	99	21.4	34,799	15.5	5.4	49.7
Renk	RK488RRYGPL	95	192.7	84	25.1	33,977	2.4	1.2	48.0
Hyland	HL B34R	86	192.6	99	21.2	36,591	12.5	0.0	50.8
Gold Country	92-03VT3	92	192.5	95	22.0	37,027	3.8	0.0	48.1
Peterson	PFS 56J86	86	192.1	103	20.3	34,106	3.8	0.0	52.5
Integra	9361RBC	86	191.4	100	20.8	37,027	3.5	0.0	52.3
Proseed	581VT3	83	190.5	105	19.8	34,542	0.0	0.0	53.5
Renk	RK438RRYGPL	92	189.7	92	22.5	34,106	0.0	0.0	50.4
Dahlman	R45-22CBLL	90	189.4	96	21.6	35,720	17.6	9.9	49.7
Hyland	HL CVR48	90	188.6	97	21.3	37,462	4.7	16.3	51.6
Experiment Mean			195.3	100	21.3	35,506	5.8	1.5	50.6
LSD 0.05			34.5		1.5	3,955	16.0	7.4	3.5
CV (%)			11.5		3.5	7	136.9	244.8	3.4

Table 6. Hybrid Corn Performance Trial – Fargo, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Seeds 2000	2872RR	87	187.7	100	20.5	34,413	0.0	0.0	51.6
Pioneer	39N99	89	186.9	93	21.9	37,333	32.5	0.0	49.5
Hyland	HL CVR44	88	186.7	97	21.1	37,462	10.2	0.0	57.0
NuTech	3T-083VT3	82	186.5	102	19.9	33,977	0.0	0.0	51.9
Gold Country	89-02R	89	186.3	90	22.5	34,364	0.0	0.0	50.9
Integra	63F90RB	92	186.2	90	22.6	34,799	4.2	0.0	50.5
Kruger	K1490RR	90	185.6	97	20.8	37,462	7.4	2.1	51.6
Proseed	793CB/LL	93	185.2	92	21.9	34,364	2.8	1.4	49.6
Gold Country	87-01CB	87	184.0	100	20.0	34,542	0.0	0.0	52.5
Kruger	K-5388YGCB	88	183.1	99	20.2	33,977	0.0	0.0	52.3
Wensman	W7087VT3	85	182.9	97	20.5	34,542	5.4	1.4	52.0
Kruger	K-2086RR/YGCB	86	181.8	106	18.7	36,591	0.0	0.0	52.2
REA	2N102	85-87	181.4	101	19.5	34,799	0.0	1.4	51.2
Pioneer	38H08	92	179.5	87	22.5	34,928	7.9	1.5	44.5
REA	2B585	85-87	177.7	95	20.5	34,849	5.0	0.0	52.0
Legend	LR9887VT3	87	176.9	96	20.2	34,413	2.5	0.0	51.6
Kruger	K-1584RR	84	176.5	94	20.4	33,977	4.1	2.7	53.4
Legend	LR9780VT3	84	175.0	100	19.1	37,898	20.2	3.3	51.5
Mycogen	2T220	86	174.9	94	20.3	34,542	6.5	1.4	52.2
Kruger	K-2087RR/YGCB	87	173.2	98	19.3	35,720	0.0	0.0	53.4
Proseed	786CBLLGT	86	173.1	90	21.0	34,542	15.1	8.8	49.7
NuTech	3P-191RR/YGPL	91	172.0	87	21.5	35,284	16.2	2.4	49.5
Kruger	K-1087RR	80	171.9	94	19.9	36,155	0.0	1.2	52.1
Terning	TS8000RRYGCB	83	167.5	79	23.1	36,591	32.1	0.0	47.9
Mycogen	2P174	85	165.8	90	20.1	34,671	5.7	2.9	52.3
Proseed	884VT3	84	160.2	85	20.5	34,671	0.0	0.0	51.5
Dahlman	R42-26CB	84	157.4	82	21.0	34,542	0.0	0.0	49.2
Experiment Mean			195.3	100	21.3	35,506	5.8	1.5	50.6
LSD 0.05			34.5		1.5	3,955	16.0	7.4	3.5
CV (%)			11.5		3.5	7	136.9	244.8	3.4

Table 7. Hybrid Corn Performance Trial – Prosper, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Dairyland	ST-9789	89	269.0	118	22.5	34,849	1.2	3.6	56.2
Wensman	W7143VT3	93	262.3	112	23.1	34,849	2.6	14.1	56.7
Seeds 2000	8801VT3	88	262.1	117	22.1	34,413	3.8	0.0	56.7
Pioneer	38H08	92	260.9	108	23.9	32,492	2.7	45.5	53.1
Kruger	K-2090RR/YGCB	90	251.7	113	22.0	32,492	7.7	22.2	59.2
NuTech	3A-390RR	90	251.2	113	21.9	32,492	5.6	35.2	52.7
Terning	TS8235GTCBLL	92	250.2	91	27.1	33,977	1.3	34.2	55.0
Hyland	HLCVR44	88	249.6	111	22.1	32,235	0.0	0.0	59.5
Gold Country	92-03VT3	92	249.4	95	26.0	34,849	0.0	29.7	54.1
Terning	TS8000RR/YGCB	83	249.1	97	25.4	32,235	1.4	49.8	55.8
Proseed	786CBLLGT	86	248.9	116	21.1	32,799	11.0	28.8	57.4
Renk	RK501YGCB	95	245.1	95	25.5	35,720	3.8	7.4	55.2
Pioneer	39N99	89	244.9	94	25.7	35,155	1.1	39.8	57.0
NDSU	TR1017Bt x ND2000	NA	244.5	116	20.7	31,364	1.4	0.0	59.3
Terning	TSEX93	93	244.3	89	26.9	32,671	0.0	5.3	54.3
Kruger	K-1093RR	85	243.5	101	23.7	33,977	0.0	11.8	54.6
Kruger	K-6093VT3	93	241.5	103	23.2	33,542	0.0	17.9	55.3
Peterson	PFS56J86	86	241.2	106	22.5	32,492	0.0	20.2	55.1
NuTech	3T-083VT3	83	240.0	113	20.9	33,542	4.1	0.0	59.5
Kruger	K-1490RR	90	240.0	114	20.8	34,413	2.9	19.7	59.8
Wensman	W7107VT3	90	239.2	102	23.1	33,977	1.1	33.0	56.1
Renk	RK488RRYGPL	95	239.0	88	26.9	34,849	2.5	24.6	56.4
NuTech	3T-388VT3	88	238.4	103	22.8	33,977	1.2	3.7	55.3
Wensman	W7085VT3	84	237.3	112	20.8	34,849	0.0	0.0	55.7
Kruger	K-1087RR	80	236.0	106	21.9	35,254	2.2	14.6	57.6
Terning	TS8181GTCBLL	87	235.9	102	22.7	33,057	22.2	10.6	56.0
NuTech	3A-887	93	234.5	91	25.3	32,799	4.1	23.2	57.9
Wensman	W7118VT3	92	234.4	100	23.1	32,928	4.2	30.7	57.6
Gold Country	89-02R	89	234.4	107	21.6	33,977	1.2	6.0	55.8
Renk	RK575VT3	96	234.1	97	23.8	33,977	6.8	47.1	52.3
NuTech	3P-191RR/YGPL	91	232.6	92	24.8	34,462	0.0	15.6	57.8
Renk	RK570VT3	95	231.6	102	22.3	32,235	1.2	9.8	53.4
Renk	RK438RRYGPL	92	230.0	93	24.5	33,186	4.7	25.0	57.9
NuTech	3T-393VT3	93	229.7	96	23.5	32,671	6.3	20.1	55.8
Mycogen	2D326	92	229.5	92	24.7	33,186	4.8	14.3	56.5
Gold Country	87-01CB	87	229.0	106	21.2	33,542	24.0	3.6	57.8
Peterson	PFS82L90	90	228.8	94	24.1	33,186	4.4	58.1	54.7
REA	1817YGCB/RR2	84-86	228.6	104	21.6	33,186	7.8	27.9	57.4
Proseed	581VT3	83	228.4	102	22.1	35,284	0.0	0.0	58.5
Peterson	PFS56I92	92	228.0	90	25.1	32,235	2.9	21.4	54.8
Wensman	W7087VT3	85	227.9	114	19.7	35,155	11.1	11.4	58.2
Kruger	K-2086RR/YGCB	86	227.4	110	20.4	32,235	11.1	15.4	57.0
Experiment Mean			232.4	100	22.9	33,342	4.5	18.2	56.5
LSD 0.05			29.4		3.3	3,715	10.6	36.3	3.6
CV (%)			10.7		7.2	8	117.8	99.7	3.1

Table 7. Hybrid Corn Performance Trial – Prosper, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Integra	9361RBC	86	227.3	102	21.9	32,235	0.0	18.2	57.4
Pioneer	39B23	88	227.1	92	24.2	34,413	1.3	8.9	56.6
Proseed	793CB/LL	93	226.5	91	24.6	32,364	0.0	38.3	55.0
Proseed	787VT3	87	226.4	110	20.3	32,492	10.8	24.2	57.6
Hyland	HL CBR34	87	223.1	104	21.1	32,671	0.0	13.8	57.7
Mycogen	2P174	85	219.1	104	20.8	33,057	4.5	4.4	58.8
NuTech	3A-095RR	95	217.2	86	25.0	32,364	1.3	4.4	56.2
Hyland	HL CVR48	90	217.1	92	23.3	34,898	2.3	9.1	57.3
Kruger	K-2087RR/YGCB	87	216.9	99	21.6	32,492	1.4	33.1	58.0
NuTech	3T-484VT3	84	216.3	91	23.3	32,671	0.0	4.1	57.0
Renk	RK584CBLL	98	215.5	71	29.7	34,413	2.6	12.5	50.1
Kruger	K-1584RR	84	214.5	99	21.4	33,106	6.8	23.5	59.4
Proseed	884VT3	84	214.1	97	21.7	32,671	0.0	8.6	58.0
Dairyland	ST-7891	91	213.1	87	24.1	32,364	6.9	29.2	53.7
Mycogen	2T220	86	211.7	96	21.8	33,057	4.7	11.9	57.7
Kruger	K-5388YGCB	88	211.0	101	20.5	32,364	33.9	10.8	59.1
NuTech	1N-887CB/LL/RW	87	208.7	86	24.0	32,492	8.4	32.7	55.4
Integra	63F90RB	92	207.7	84	24.3	32,235	5.4	17.6	57.4
Hyland	HL B34R	86	206.8	149	13.7	32,364	2.8	11.1	58.6
REA	2B585	85-87	200.0	99	19.9	32,364	19.5	7.4	58.4
Wensman	W7089VT3	86	199.7	81	24.4	33,106	1.3	42.8	57.1
Seeds 2000	2872RR	87	199.0	83	23.7	32,928	0.0	0.0	55.5
Experiment Mean			232.4	100	22.9	33,342	4.5	18.2	56.5
LSD 0.05			29.4		3.3	3,715	10.6	36.3	3.6
CV (%)			10.7		7.2	8	117.8	99.7	3.1

Table 8. Hybrid Corn Performance Trial – Casselton, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Hyland	HL CVR48	90	253.4	136	19.4	33,542	13.1	0.0	54.0
REA	1817YGCBRR2	84-86	247.4	128	20.1	32,671	0.0	0.0	51.2
Dairyland	ST-9789	89	239.3	120	20.7	33,492	2.7	1.5	52.5
Dairyland	ST-9594	94	237.0	114	21.6	37,027	9.3	1.2	50.4
Kruger	K-6093 VT3	93	236.5	113	21.8	34,849	10.4	0.0	50.1
NuTech	3T-388VT3	88	234.5	112	21.8	38,333	11.0	0.0	50.4
Renk	RK501YGCB	95	231.4	98	24.4	35,284	8.8	1.2	49.7
Wensman	W7107VT3	90	228.7	107	22.2	32,671	0.0	1.3	51.2
Terning	TS EX 93	93	227.9	102	23.3	36,155	22.8	0.0	48.0
Seeds 2000	8801VT3	88	227.6	115	20.6	35,284	7.1	0.0	51.9
Pioneer	39B23	88	227.0	108	21.9	31,799	19.1	0.0	52.7
Integra	63F90RB	92	225.5	101	23.1	32,235	3.0	0.0	51.3
Kruger	K-1093RR	85	224.2	98	23.7	33,106	10.0	0.0	49.9
NuTech	1N-887CB/LL/RW	87	221.2	103	22.4	33,542	17.7	0.0	49.5
Gold Country	92-03 VT3	92	221.0	109	21.0	33,106	17.4	0.0	50.7
Peterson	PFS 82L90	90	220.7	106	21.6	33,106	19.0	0.0	50.0
Wensman	W7118VT3	92	218.3	99	22.9	33,106	1.3	0.0	51.2
Wensman	W7143VT3	93	217.5	100	22.6	33,542	12.0	3.8	50.9
Gold Country	87-01 CB	87	216.8	115	19.6	37,462	12.3	3.3	55.9
NuTech	3T-393VT3	93	215.7	104	21.5	33,057	0.0	0.0	49.8
NuTech	3T-083VT3	83	215.6	112	20.0	33,106	0.0	1.4	54.2
Renk	RK 584 CBLL	98	215.4	97	23.0	35,284	17.2	1.2	48.3
Renk	RK570VT3	95	213.3	95	23.4	31,364	16.7	0.0	47.6
Renk	RK438RRYGPL	92	211.8	99	22.3	31,799	0.0	0.0	51.2
Proseed	581VT3	83	211.0	106	20.6	34,849	6.1	0.0	52.7
Renk	RK575VT3	96	210.9	100	21.9	32,671	25.4	0.0	48.9
Proseed	786 CBLLGT	86	210.5	108	20.2	33,542	12.5	4.0	53.1
Wensman	W7089VT3	86	209.5	107	20.3	33,106	2.5	0.0	53.1
Proseed	884VT3	84	209.4	104	20.9	34,849	17.5	0.0	52.9
Seeds 2000	2872RR	87	208.5	102	21.3	33,542	19.5	1.3	51.5
Peterson	PFS 56I92	92	208.0	96	22.4	34,413	1.3	1.3	51.5
NuTech	3A-887RR	93	206.9	101	21.2	32,235	10.2	16.0	50.7
Terning	TS8235GTCBLL	92	206.8	94	22.8	36,155	26.8	0.0	49.7
Kruger	K-1584RR	84	206.0	107	20.0	33,542	18.8	0.0	54.9
Kruger	K-1490	90	204.4	102	20.7	33,977	20.2	0.0	52.9
NuTech	3T-484VT3	84	203.5	102	20.7	34,413	3.5	2.3	52.0
Wensman	W7085VT3	84	202.9	102	20.6	36,155	10.9	2.4	53.4
Terning	TS8000RR/YGCB	83	202.8	95	22.2	34,413	14.9	0.0	50.4
Dairyland	ST-7891	91	202.2	100	20.9	34,849	32.6	19.7	50.3
Terning	TS8181GTCBLL	87	201.7	104	20.2	33,106	2.9	8.8	51.9
Hyland	HL B34R	86	200.6	100	20.8	32,235	8.2	4.1	52.4
Pioneer	38H08	92	199.2	99	20.9	33,542	26.3	2.4	47.8
Renk	RK488RR/YGPL	95	199.2	84	24.6	32,671	1.5	1.2	50.4
NuTech	3A-390RR	90	199.1	94	22.0	34,849	10.0	1.3	49.3
Experiment Mean			205.2	100	21.3	33,743	11.3	2.2	51.6
LSD 0.05			33.3		2.1	3,975	23.9	11.0	1.9
CV (%)			9.1		4.9	9	105.8	255.3	1.8

Table 8. Hybrid Corn Performance Trial – Casselton, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Proseed	787VT3	87	198.6	97	21.2	33,542	18.4	1.3	52.6
Pioneer	39N99	89	196.3	96	21.2	33,542	0.0	0.0	53.1
NuTech	3P-191RR/YGPL	91	194.3	89	22.7	32,750	8.8	0.0	50.2
Mycogen	2D326	92	192.7	93	21.5	32,235	10.5	1.4	50.8
Hyland	HL CVR44	88	192.5	93	21.5	32,671	13.2	0.0	53.4
Integra	9361VT3	86	190.3	99	19.9	33,492	0.0	1.3	53.7
Kruger	K-2090 RR/YGCB	90	188.7	94	20.9	33,977	6.3	3.8	49.9
Mycogen	2T220	86	187.3	93	20.9	33,977	8.8	1.3	52.8
Mycogen	2P174	85	185.7	98	19.7	33,977	3.7	6.8	54.8
Kruger	K-2087 RR/YGCB	87	182.2	96	19.8	35,284	2.2	0.0	54.9
Gold Country	89-02 R	89	176.6	88	20.9	33,492	3.9	1.6	53.0
Proseed	793 CBLL	93	176.4	80	22.9	32,235	23.1	0.0	48.1
NuTech	3A-095RR	95	174.5	77	23.6	33,057	18.3	10.6	49.9
Wensman	W7087VT3	85	172.4	90	19.8	33,492	8.4	2.6	52.9
Peterson	PFS 56J86	86	172.1	85	21.1	32,671	24.3	1.3	52.7
Kruger	K-2086 RR/YGCB	86	170.2	92	19.1	31,364	10.3	1.5	54.3
REA	2B585	85-87	167.3	89	19.5	33,542	1.2	10.0	55.4
Kruger	K-5388 YGCB	88	162.8	84	20.0	35,720	45.4	3.3	54.2
REA	2N102	85-87	160.6	91	18.3	32,235	0.0	8.1	54.5
Kruger	K-1087RR	80	157.3	82	19.8	32,235	13.5	4.1	54.2
Experiment Mean			205.2	100	21.3	33,743	11.3	2.2	51.6
LSD 0.05			33.3		2.1	3,975	23.9	11.0	1.9
CV (%)			9.1		4.9	9	105.8	255.3	1.8

Table 9. Hybrid Corn Performance Trial – East-central North Dakota Combined, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
REA	1817YGCB/RR2	84-86	237.8	118	20.9	34,004	4.6	9.3	53.1
Wensman	W7143VT3	93	235.0	107	22.8	35,284	4.8	7.5	52.7
Kruger	K-6093VT3	93	234.7	109	22.3	34,849	7.2	6.0	51.3
Wensman	W7107VT3	90	232.1	109	22.1	33,687	0.4	11.4	52.5
Terning	TS8235GTCBLL	92	230.3	100	24.0	35,779	14.2	11.8	52.3
Kruger	K-1093RR	85	229.2	103	23.0	34,849	9.5	3.9	51.4
Renk	RK501YGCB	95	228.5	99	24.0	35,037	5.1	3.7	51.7
Seeds 2000	8801VT3	88	228.4	110	21.6	35,634	7.1	2.8	53.1
NuTech	3T-388VT3	88	227.3	108	21.9	35,575	4.1	1.6	52.6
Peterson	PFS82L90	90	225.1	103	22.6	33,714	17.8	19.8	53.0
Terning	TSEX93	93	223.7	94	24.8	34,849	10.5	1.8	49.9
Wensman	W7118VT3	92	222.1	102	22.7	34,499	4.8	10.2	53.2
Pioneer	39B23	88	222.0	102	22.6	33,977	7.5	3.3	53.1
Experiment Mean			210.9	100	21.9	34,221	7.4	7.3	52.9
LSD 0.05			24.6		1.8	2,112	12.4	14.6	2.2
CV (%)			7.2		5.1	4	103.8	123.3	2.6

Table 9. Hybrid Corn Performance Trial – East-central North Dakota Combined, 2008. (Page 2 of 2)¹

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Gold Country	92-03VT3	92	221.0	100	23.0	34,994	7.1	9.9	51.0
NuTech	3T-393VT3	93	220.7	103	22.3	33,525	3.0	6.7	51.2
NuTech	1N-887CB/LL/RW	87	219.9	99	23.0	34,499	12.6	11.7	50.9
Hyland	HL CVR48	90	219.7	107	21.3	35,301	6.7	8.5	54.3
Peterson	PFS56I92	92	217.5	98	23.0	34,123	2.5	7.6	52.2
Renk	RK570VT3	95	217.5	99	22.8	33,644	6.0	3.3	49.8
Renk	RK584CBLL	98	217.2	88	25.6	34,849	7.0	5.9	48.6
Renk	RK575VT3	96	215.1	101	22.2	33,687	10.7	16.5	49.7
NuTech	3A-390RR	90	214.7	102	21.9	33,902	6.1	12.2	50.1
NuTech	3T-083VT3	83	214.1	110	20.2	33,542	1.4	0.5	55.2
Wensman	W7085VT3	84	213.9	111	20.0	36,215	3.6	0.8	54.1
Terning	TS8181GTCBLL	87	213.7	104	21.4	34,397	12.6	10.5	52.7
Pioneer	38H08	92	213.2	99	22.4	33,654	12.3	16.5	48.4
Kruger	K-2090RR/YGCB	90	212.5	104	21.3	34,703	7.9	8.7	53.4
NuTech	3A-887	93	211.7	97	22.6	33,278	9.9	14.8	52.7
Proseed	787VT3	87	211.3	107	20.5	34,499	9.7	8.9	53.9
Proseed	786CBLLGT	86	210.8	105	20.8	33,628	12.9	13.8	53.4
Renk	RK438RRYGPL	92	210.5	95	23.1	33,030	1.6	8.3	53.2
Renk	RK488RRYGPL	95	210.3	86	25.5	33,832	2.1	9.0	51.6
Mycogen	2D326	92	210.1	95	22.9	33,423	5.5	5.2	52.4
Kruger	K-1490RR	90	210.0	105	20.8	35,284	10.2	7.3	54.7
Proseed	581VT3	83	210.0	105	20.8	34,892	2.0	0.0	54.9
Gold Country	87-01CB	87	210.0	107	20.3	35,182	12.1	2.3	55.4
Hyland	HL CVR44	88	209.6	101	21.5	34,123	7.8	0.0	56.6
Pioneer	39N99	89	209.4	95	22.9	35,343	11.2	13.3	53.2
Terning	TS8000RR/YGCB	83	206.5	91	23.6	34,413	16.1	16.6	51.3
Integra	63F90RB	92	206.4	92	23.3	33,090	4.2	5.9	53.1
NuTech	3T-484VT3	84	204.7	98	21.7	33,730	1.2	2.1	53.3
Wensman	W7089VT3	86	203.6	95	22.3	33,832	2.0	14.3	53.3
Peterson	PFS56J86	86	201.8	98	21.3	33,090	9.4	7.2	53.4
NuTech	3A-095RR	95	200.3	86	24.2	33,321	6.5	5.0	51.6
Hyland	HL B34R	86	200.0	112	18.6	33,730	7.8	5.1	53.9
NuTech	3P-191RR/YGPL	91	199.7	90	23.0	34,165	8.3	6.0	52.5
Gold Country	89-02R	89	199.1	95	21.7	33,944	1.7	2.5	53.2
Kruger	K-1584RR	84	199.0	100	20.6	33,542	9.9	8.7	55.9
Seeds 2000	2872RR	87	198.4	95	21.8	33,628	6.5	0.4	52.8
Proseed	793CB/LL	93	196.0	88	23.1	32,988	8.6	13.2	50.9
Proseed	884VT3	84	194.6	96	21.0	34,063	5.8	2.9	54.1
Wensman	W7087VT3	85	194.4	101	20.0	34,396	8.3	5.1	54.3
Kruger	K-2086RR/YGCB	86	193.1	103	19.4	33,397	7.1	5.6	54.5
Mycogen	2T220	86	191.3	95	21.0	33,859	6.6	4.8	54.2
Kruger	K-2087RR/YGCB	87	190.8	98	20.2	34,499	1.2	11.0	55.4
Mycogen	2P174	85	190.2	98	20.2	33,902	4.6	4.7	55.3
Kruger	K-1087RR	80	188.4	95	20.5	34,548	5.2	6.6	54.6
Kruger	K-5388YGCB	88	185.6	95	20.2	34,020	26.4	4.7	55.2
REA	2B585	85-87	181.7	94	20.0	33,585	8.6	5.8	55.3
Experiment Mean			210.9	100	21.9	34,221	7.4	7.3	52.9
LSD 0.05			24.6		1.8	2,112	12.4	14.6	2.2
CV (%)			7.2		5.1	4	103.8	123.3	2.6

¹Performance represents the potential of each hybrid in the East-central North Dakota region, not just in one location.

Table 10. Hybrid Corn Performance Trial – Barney, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
G2 Genetics	5H-298 RR/HX	98	238.7	115	19.7	34,106	0.0	0.0	49.3
NuTech	3A-095RR	95	238.6	116	19.4	35,284	0.0	0.0	52.7
Gold Country	98-10 VT3	98	235.8	113	19.7	35,284	0.0	0.0	52.3
NuTech	3C-300RR/YGCB	100	231.0	105	20.9	36,591	0.0	0.0	51.4
NuTech	3T-499VT3	99	230.9	109	20.1	34,849	0.0	0.0	52.4
Kruger	K-6298 VT3	98	230.1	113	19.2	36,155	1.2	0.0	51.0
NuTech	3T-096VT3	96	227.0	107	20.0	34,413	5.0	1.3	53.3
NuTech	5N-898 GT/CB/LL/RW	98	226.4	106	20.3	35,333	0.0	0.0	50.8
NuTech	3T-098AVT3	98	224.1	106	20.1	35,284	0.0	0.0	51.2
NuTech	3C-098RR/YGCB	98	221.7	105	20.0	35,720	5.3	0.0	52.6
Proseed	794 CBLLRW	94	221.4	108	19.4	36,155	0.0	0.0	51.3
Mycogen	2P483	97	220.2	110	18.9	36,155	0.0	0.0	51.6
Kruger	K-6697 VT3	96	219.8	110	18.9	34,106	2.8	0.0	53.1
Proseed	894 VT3	94	219.4	108	19.3	33,542	0.0	0.0	52.9
NuTech	3T-096AVT3	96	219.2	99	21.0	36,591	0.0	1.3	51.5
Peterson	PFS53B97	97	218.5	99	20.9	35,284	0.0	0.0	52.1
Wensman	W7289VT3	99	217.8	99	20.8	34,413	0.0	1.3	52.3
NuTech	3T-799VT3	99	217.2	105	19.6	35,720	0.0	0.0	52.4
Mycogen	2R428	96	215.6	104	19.7	33,977	0.0	0.0	53.4
Mycogen	2D326	92	215.4	109	18.8	34,413	0.0	0.0	53.3
NuTech	3T-595VT3	95	215.2	105	19.4	35,720	0.0	0.0	53.6
Pioneer	38H08	92	214.9	111	18.4	36,155	3.9	0.0	49.9
Kruger	K-1295 RR	95	213.7	105	19.2	36,155	0.0	8.6	52.5
Terning	TS8235GTCBLL	92	212.8	103	19.6	36,155	0.0	0.0	52.0
NuTech	3T500VT3	100	211.1	94	21.3	34,413	11.5	1.3	51.0
Kruger	K-6093 VT3	93	209.9	101	19.6	35,720	0.0	0.0	50.4
Integra	9480VT3	98	206.4	98	19.9	33,977	0.0	1.3	52.5
Wensman	W7107VT3	90	206.0	109	17.9	35,720	6.0	1.2	53.5
NuTech	1N-398 CB/LL/RW	98	205.1	94	20.6	33,542	0.0	0.0	48.7
Wensman	W7143VT3	93	204.0	103	18.7	35,720	1.2	0.0	54.2
NuTech	3T-098VT3	98	202.8	97	19.7	36,155	0.0	0.0	51.9
Peterson	PFS56G95	95	202.7	97	19.7	35,769	0.0	0.0	51.6
Peterson	PFS53Y96	96	200.1	97	19.6	35,284	0.0	0.0	50.9
Proseed	793CBLL	93	199.5	94	20.1	34,413	0.0	0.0	49.9
Kruger	K-1500RR	99	198.4	95	19.8	36,027	11.8	1.2	51.2
Kruger	K-6097 VT3	97	198.3	99	18.9	36,155	4.9	0.0	50.3
NuTech	3T-393VT3	93	197.9	100	18.7	36,155	0.0	0.0	51.6
NuTech	3T-995VT3	95	197.9	95	19.7	35,720	0.0	0.0	52.6
Wensman	W7273VT3	98	196.5	90	20.6	34,413	0.0	0.0	50.4
Kruger	K-6499 VT3	99	196.4	93	19.9	35,462	0.0	0.0	58.2
Kruger	K-6094 VT3	94	195.2	95	19.5	33,977	6.3	0.0	53.2
Seeds 2000	2954RR/BT	95	194.3	91	20.2	35,769	0.0	1.1	50.5
Kruger	K-2090 RR/YGCB	90	193.5	99	18.6	35,720	1.2	1.2	53.2
Kruger	K-1490 RR	90	188.6	98	18.2	35,284	8.0	0.0	53.8
Experiment Mean			205.9	100	19.5	35,299	1.6	0.5	52.1
LSD 0.05			33.6		1.1	3,241	7.0	2.6	3.3
CV (%)			9.4		2.8	7	217.7	270.0	3.2

Table 10. Hybrid Corn Performance Trial – Barney, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Gold Country	94-04 VT3	94	187.9	90	19.7	36,155	1.2	0.0	51.8
Seeds 2000	9501 VT3	95	186.9	94	18.9	36,155	0.0	0.0	51.4
Pioneer	38P43	95	182.6	89	19.5	34,106	0.0	2.9	54.6
Hyland	HL CVR54	92	181.7	92	18.8	35,769	0.0	1.2	51.8
Terning	TFS8181GTCBLL	87	178.3	94	18.0	35,284	2.5	0.0	53.0
Pioneer	38M60	94	177.0	87	19.3	36,155	0.0	0.0	53.4
Wensman	W7195VT3	94	173.1	88	18.7	33,542	0.0	0.0	53.0
Wensman	W7267VT3	97	172.5	80	20.3	34,106	9.0	0.0	52.2
Wensman	W7118VT3	92	166.4	83	19.1	36,027	0.0	2.4	54.2
Terning	TS EX 93	93	164.5	85	18.4	35,898	2.3	0.0	49.4
Experiment Mean			205.9	100	19.5	35,299	1.6	0.5	52.1
LSD 0.05			33.6		1.1	3,241	7.0	2.6	3.3
CV (%)			9.4		2.8	7	217.7	270.0	3.2

Table 11. Hybrid Corn Performance Trial – Colfax, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
NuTech	3T-098AVT3	98	296.3	122	18.6	36,591	2.4	0.0	57.7
Kruger	K-6499 VT3	99	284.3	81	26.9	35,284	0.0	0.0	56.4
G2 Genetics	5H-298 RR/HX	98	279.3	101	21.1	34,849	0.0	0.0	57.1
NuTech	3C-098RR/YGCB	98	274.6	103	20.3	35,542	0.0	0.0	58.5
Terning	Exp 95 Day	95	273.6	100	20.8	34,849	0.0	0.0	55.8
NuTech	3T-499VT3	99	272.5	103	20.3	34,977	0.0	0.0	59.3
Wensman	W7143VT3	93	270.6	114	18.2	35,284	0.0	1.3	58.4
Seeds 2000	9501VT3	95	270.2	105	19.6	35,542	0.0	0.0	55.7
NuTech	3T500VT3	100	269.1	101	20.3	34,413	0.0	0.0	58.6
Monsanto	DKC 43-27(VT3)	93	266.6	123	16.6	36,591	0.0	0.0	58.6
Seeds 2000	2954RR/BT	95	266.1	106	19.1	34,849	0.0	0.0	56.7
Kruger	K-6298 VT3	98	264.5	115	17.5	34,413	0.0	0.0	59.4
NuTech	3T-393VT3	93	262.5	102	19.6	36,333	0.0	0.0	56.0
Pioneer	38H08	92	261.8	118	17.0	36,462	0.0	0.0	55.8
NuTech	1N-398 CB/LL/RW	98	261.8	88	22.8	36,462	0.0	0.0	54.8
NuTech	3T-098VT3	98	261.7	96	20.8	35,284	0.0	0.0	56.8
Wensman	W7273VT3	98	261.6	168	11.9	35,284	0.0	1.3	55.3
Mycogen	2P483	97	258.9	109	18.1	35,898	0.0	0.0	55.1
Dahlman	R48-55VT3	96	258.7	103	19.2	35,284	0.0	0.0	59.7
Hyland	HL CVR54	92	258.1	106	18.6	34,977	0.0	1.4	56.4
Kruger	K-1500RR	99	257.9	99	19.9	35,591	0.0	0.0	62.6
Terning	TS EX 93	93	256.8	101	19.5	35,284	1.2	0.0	54.7
NuTech	3C-300RR/YG/CB	100	256.1	91	21.6	37,561	0.0	0.0	56.6
Wensman	W7289VT3	99	255.4	94	20.7	34,849	0.0	0.0	58.2
Experiment Mean			248.8	100	19.0	35,448	0.2	0.6	57.7
LSD 0.05			33.9		5.1	4,567	1.7	2.5	2.9
CV (%)			8.9		8.5	7	530.7	202.2	2.5

Table 11. Hybrid Corn Performance Trial - Colfax 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Proseed	794 CBLLRW	94	254.8	93	21.0	35,591	0.0	0.0	56.6
Wensman	W7267VT3	97	253.5	96	20.2	34,977	0.0	0.0	56.6
Kruger	K-6097 VT3	97	253.1	92	20.9	35,542	0.0	0.0	56.6
Gold Country	98-10 VT3	98	251.9	92	20.8	34,413	0.0	0.0	57.0
Kruger	K-1490 RR	90	251.2	131	14.6	35,591	0.0	0.0	59.4
Dahlman	R48-07VT3	96	251.1	96	20.0	36,666	0.0	0.0	56.0
Peterson	PFS53Y96	96	251.0	94	20.3	37,333	0.0	0.0	57.5
NuTech	3A-095RR	95	250.2	106	18.1	35,284	0.0	1.3	58.0
NuTech	3T-799VT3	99	250.1	85	22.5	34,977	0.0	0.0	57.4
Proseed	793CBLL	93	249.7	105	18.2	35,284	0.0	0.0	55.1
Kruger	K-1295	95	247.2	107	17.7	35,235	0.0	0.0	58.3
Wensman	W7107VT3	90	244.7	109	17.1	35,542	0.0	0.0	57.7
Terning	TS8235GTCBLL	92	243.2	96	19.3	35,106	2.7	0.0	58.4
NuTech	3T-995VT3	95	243.1	101	18.3	35,235	0.0	1.4	55.7
Pioneer	38P43	95	242.6	97	19.1	34,849	0.0	0.0	62.1
Proseed	894 VT3	94	242.6	95	19.6	35,720	2.4	1.3	54.8
Kruger	K-6697 VT3	96	242.4	105	17.6	35,671	0.0	0.0	58.4
NuTech	3T-096VT3	96	241.8	92	20.0	35,671	0.0	2.9	58.8
Peterson	PFS56G95	95	240.3	94	19.6	36,591	0.0	0.0	57.4
NuTech	3T-096AVT3	96	238.5	94	19.3	35,799	0.0	0.0	59.9
Mycogen	2D326	92	236.9	101	17.9	34,849	0.0	1.3	58.6
Kruger	K-2090 RR/YGCB	90	236.5	119	15.2	34,977	0.0	1.4	59.2
Integra	9480VT3	98	236.4	88	20.5	36,591	0.0	0.0	59.3
Terning	TS8181GTCBLL	87	236.3	106	17.0	34,849	1.3	5.0	57.0
Monsanto	DKC 41-60(VT3)	91	236.2	70	25.6	35,720	0.0	0.0	58.8
Kruger	K-6094 VT3	94	235.4	97	18.5	35,235	0.0	1.3	57.5
Pioneer	38M60	94	234.3	107	16.7	34,849	0.0	2.6	59.4
Gold Country	94-04 VT3	94	234.2	105	17.0	35,720	0.0	1.3	58.6
Kruger	K-6093 VT3	93	232.3	100	17.8	34,849	0.0	0.0	57.7
NuTech	5N-898 GT/CB/LL/RW	98	227.8	74	23.5	36,155	0.0	0.0	57.7
Monsanto	DKC 38-89(VT3)	88	227.3	84	20.6	34,977	0.0	0.0	57.5
Wensman	W7118VT3	92	227.3	102	17.0	34,849	0.0	0.0	60.1
Dairyland	ST-7891	91	226.2	117	14.8	34,849	0.0	2.4	56.2
Peterson	PFS56I92	92	224.7	102	16.8	35,284	0.0	2.6	60.1
Mycogen	2R428	NA	221.1	94	18.0	34,413	0.0	0.0	58.1
Monsanto	DKC 42-91(VT3)	92	221.1	96	17.6	36,155	0.0	1.2	58.2
Wensman	W7195VT3	94	215.8	85	19.3	35,235	0.0	0.0	57.9
Dahlman	R48-25VT3	96	215.7	86	19.2	35,284	0.0	0.0	58.3
NuTech	3T-595VT3	95	209.9	83	19.2	34,849	0.0	1.3	59.6
Experiment Mean			248.8	100	19.0	35,448	0.2	0.6	57.7
LSD 0.05			33.9		5.1	4,567	1.7	2.5	2.9
CV (%)			8.9		8.5	7	530.7	202.2	2.5

Table 12. Hybrid Corn Performance Trial – Forman, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Dropped Ears (%)	Test Weight (lb/bu)
Gold Country	98-10 VT3	98	252.0	120	19.6	30,492	0.0	0.0	0.0	57.9
Kruger	K-6697 VT3	96	248.2	125	18.5	31,671	0.0	0.0	0.0	54.0
NuTech	3T-096VT3	96	245.1	111	20.7	31,671	0.0	0.0	0.0	58.9
Seeds 2000	9501VT3	95	242.6	133	17.1	31,799	0.0	0.0	0.0	57.4
NuTech	3T-500VT3	100	226.2	95	22.2	28,750	0.0	0.0	0.0	55.7
NuTech	3T-098VT3	98	226.2	107	19.8	31,671	5.4	1.3	0.0	56.6
NuTech	3C-300RR/YGCB	100	224.0	113	18.5	29,621	2.8	0.0	0.0	57.4
Kruger	K-6499 VT3	99	224.0	118	17.7	31,364	0.0	0.0	0.0	57.9
Kruger	K-2090 RR/YGCB	90	219.1	131	15.6	31,364	2.8	1.4	0.0	58.6
Gold Country	94-04 VT3	94	217.7	114	17.8	28,750	0.0	1.5	0.0	59.7
Wensman	W7118VT3	92	216.6	107	18.9	29,621	0.0	0.0	0.0	57.9
Mycogen	2D326	92	216.5	126	16.1	31,799	0.0	2.6	0.0	54.8
Peterson	PFS53Y96	96	216.0	113	17.9	30,492	0.0	0.0	0.0	57.5
Terning	TS8235GTCBLL	92	215.4	110	18.3	28,314	9.1	0.0	0.0	57.8
NuTech	3T-393VT3	93	213.6	104	19.2	30,492	9.0	1.6	0.0	56.5
NuTech	3T-499VT3	99	213.3	101	19.8	30,492	0.0	0.0	0.0	57.8
Kruger	K-1500RR	99	212.4	108	18.4	29,621	0.0	0.0	0.0	57.6
Wensman	W7195VT3	94	212.1	103	19.2	28,314	0.0	0.0	0.0	57.4
NuTech	3T-799VT3	99	209.7	82	23.9	30,057	0.0	0.0	0.0	56.6
Pioneer	38H08	92	209.4	103	19.1	30,057	0.0	0.0	0.0	54.3
NDSU	TR1017Bt x ND2000	NA	208.7	132	14.8	28,424	0.0	2.9	16.7	57.6
Kruger	K-6093 VT3	93	206.3	95	20.4	29,186	1.4	0.0	0.0	58.2
Pioneer	38P43	95	206.3	105	18.4	31,364	0.0	0.0	0.0	61.7
Wensman	W7273VT3	98	206.2	88	21.8	30,057	0.0	0.0	0.0	53.4
G2 Genetics	5H-298 RR/HX	98	205.7	87	22.0	28,750	0.0	0.0	0.0	56.5
Integra	9480VT3	98	205.0	102	18.8	30,492	0.0	0.0	0.0	58.2
Mycogen	2R428	NA	202.0	90	21.1	29,621	4.3	2.9	0.0	57.8
Wensman	W7107VT3	90	201.8	99	19.0	29,621	1.5	0.0	0.0	58.3
Dairyland	ST-9594	94	201.2	106	17.7	31,364	0.0	0.0	0.0	58.4
Seeds 2000	2954RR/BT	95	200.6	91	20.6	29,186	0.0	5.7	0.0	54.0
NuTech	3T-098AVT3	98	197.6	106	17.4	30,057	0.0	0.0	0.0	57.4
NuTech	3T-096AVT3	96	195.9	82	22.3	29,621	0.0	0.0	0.0	59.0
Kruger	K-6094 VT3	94	195.9	103	17.8	30,928	0.0	0.0	0.0	58.2
NuTech	3T-595VT3	95	194.4	104	17.5	28,314	1.6	0.0	0.0	57.6
Wensman	W7267VT3	97	194.4	109	16.7	30,928	9.5	0.0	0.0	61.7
Terning	TS EX 93	93	192.0	86	20.8	31,364	0.0	0.0	0.0	56.0
Dairyland	ST-7891	91	191.5	142	12.6	27,572	0.0	3.4	0.0	53.2
Wensman	W7289VT3	99	190.5	95	18.7	30,492	0.0	0.0	0.0	58.0
Proseed	794 CBLLRW	94	189.8	106	16.8	28,523	2.4	0.0	0.0	56.7
Terning	TS8181GTCBLL	87	189.3	110	16.1	27,909	5.3	0.0	15.0	57.2
Hyland	HL CVR64	97	189.1	90	19.6	29,186	0.0	0.0	0.0	56.0
Kruger	K-1295 RR	95	187.4	87	20.2	31,799	3.9	1.3	0.0	57.4
Experiment Mean			198.9	100	18.6	29,743	1.9	1.4	0.6	57.3
LSD 0.05			31.4		4.4	3,889	10.6	7.1	8.1	3.7
CV (%)			12.4		11.8	10	284.5	256.9	732.2	3.2

Table 12. Hybrid Corn Performance Trial – Forman, 2008. (Page 2 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Dropped Ears (%)	Test Weight (lb/bu)
Kruger	K-1490 RR	90	186.1	101	17.2	27,443	0.0	3.2	0.0	59.3
Kruger	K-6097 VT3	97	185.3	93	18.7	30,928	1.4	1.4	0.0	55.5
NuTech	3A-095RR	95	184.8	88	19.7	27,008	0.0	0.0	0.0	57.1
Proseed	894 VT3	94	183.1	90	19.0	31,235	5.4	0.0	0.0	55.6
Wensman	W7143VT3	93	181.7	97	17.6	30,057	11.4	0.0	0.0	59.3
NuTech	3C-098RR/YCCB	98	177.0	84	19.6	27,958	4.8	1.5	0.0	60.1
Peterson	PFS53B97	97	176.5	81	20.3	28,345	0.0	17.1	0.0	57.8
Peterson	PFS56G95	95	176.5	84	19.6	30,057	0.0	0.0	0.0	52.9
Proseed	793CBLL	93	168.3	102	15.5	28,523	2.1	0.0	2.1	54.8
NuTech	5N-898 GT/CB/LL/RW	98	167.3	62	25.3	27,879	0.0	1.7	0.0	56.2
NuTech	3T-995VT3	95	166.0	70	22.3	29,167	8.3	0.0	0.0	57.4
Mycogen	2P483	97	161.1	79	19.1	28,265	0.0	1.4	0.0	56.0
Kruger	K-6298 VT3	98	159.3	87	17.2	28,314	0.0	0.0	0.0	58.4
Pioneer	38M60	94	156.3	121	12.1	29,958	1.6	3.7	0.0	60.1
NuTech	1N-398 CB/LL/RW	98	149.8	83	16.8	29,087	0.0	0.0	0.0	56.2
Experiment Mean			198.9	100	18.6	29,743	1.9	1.4	0.6	57.3
LSD 0.05			31.4		4.4	3,889	10.6	7.1	8.1	3.7
CV (%)			12.4		11.8	10	284.5	256.9	732.2	3.2

Table 13. Hybrid Corn Performance Trial – Southeastern North Dakota Combined, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Gold Country	98-10 VT3	98	246.6	108	20.0	33,397	0.0	0.0	55.7
G2 Genetics	5H-298 RR/HX	98	241.2	101	20.9	32,568	0.0	0.0	54.3
NuTech	3T-098AVT3	98	239.3	112	18.7	33,977	0.8	0.0	55.4
NuTech	3T-499VT3	99	238.9	104	20.1	33,439	0.0	0.0	56.5
NuTech	3T-096VT3	96	238.0	103	20.2	33,918	1.7	1.4	57.0
NuTech	3C-300RR/YGCB	100	237.0	102	20.3	34,591	0.9	0.0	55.1
Kruger	K-6697 VT3	96	236.8	113	18.3	33,816	0.9	0.0	55.2
Seeds 2000	2954RR/BT	95	235.7	109	19.0	34,370	0.0	0.4	54.5
NuTech	3T-500VT3	100	235.5	97	21.3	32,525	3.8	0.4	55.1
Kruger	K-6499 VT3	99	234.9	96	21.5	34,037	0.0	0.0	57.5
NuTech	3T-098VT3	98	230.3	100	20.1	34,370	1.8	0.0	55.1
Pioneer	38H08	92	228.7	111	18.1	34,225	1.3	0.0	53.3
NuTech	3T-799VT3	99	225.7	90	22.0	33,585	0.0	0.0	55.5
NuTech	3T-393VT3	93	224.7	103	19.1	34,327	3.0	0.5	54.7
NuTech	3A-095RR	95	224.5	103	19.1	32,525	0.0	0.4	55.9
NuTech	3C-098RR/YGCB	98	224.4	99	19.9	33,073	3.3	0.5	57.1
Terning	TS8235GTCBLL	92	223.8	103	19.0	33,192	3.9	0.0	56.1
Mycogen	2D326	92	222.9	111	17.6	33,687	0.0	1.3	56.5
Kruger	K-1500RR	99	222.9	101	19.4	33,746	3.9	0.4	57.1
Peterson	PFS53Y96	96	222.4	101	19.3	34,370	0.0	0.0	55.3
Proseed	794 CBLLRW	94	222.0	102	19.1	33,423	0.8	0.0	54.9
Wensman	W7273VT3	98	221.4	107	18.1	33,251	0.0	0.4	53.0
Wensman	W7289VT3	99	221.2	96	20.1	33,251	0.0	0.4	56.2
Wensman	W7143VT3	93	218.8	106	18.1	33,687	4.2	0.4	57.3
Kruger	K-6298 VT3	98	217.9	106	18.0	32,961	0.4	0.0	56.3
Seeds 2000	9501VT3	95	217.9	98	19.5	33,397	0.0	1.9	54.0
NuTech	3T-096AVT3	96	217.9	91	20.9	34,004	0.0	0.4	56.8
Wensman	W7107VT3	90	217.5	106	18.0	33,628	2.5	0.4	56.5
Kruger	K-2090 RR/YGCB	90	216.4	115	16.5	34,020	1.3	1.3	57.0
Kruger	K-6093 VT3	93	216.2	98	19.3	33,251	0.5	0.0	55.4
Kruger	K-1295 RR	95	216.1	100	19.0	34,397	1.3	3.3	56.1
Integra	9480VT3	98	216.0	96	19.7	33,687	0.0	0.4	56.6
Proseed	894 VT3	94	215.0	98	19.3	33,499	2.6	0.4	54.4
Mycogen	2P483	97	213.4	100	18.7	33,439	0.0	0.5	54.2
Gold Country	94-04 VT3	94	213.3	103	18.1	33,542	0.4	0.9	56.7
Mycogen	2R428	NA	212.9	95	19.6	32,671	1.4	1.0	56.4
Kruger	K-6097 VT3	97	212.2	95	19.5	34,208	2.1	0.5	54.1
Pioneer	38P43	95	210.5	97	19.0	33,439	0.0	1.0	59.4
Kruger	K-6094 VT3	94	208.8	98	18.6	33,380	2.1	0.4	56.3
Kruger	K-1490 RR	90	208.6	110	16.6	32,773	2.7	1.1	57.5
NuTech	5N-898 GT/CB/LL/RW	98	207.2	79	23.0	33,122	0.0	0.6	54.9
Wensman	W7267VT3	97	206.8	95	19.1	33,337	6.1	0.0	56.8
Peterson	PFS56G95	95	206.5	92	19.6	34,139	0.0	0.0	54.0
Experiment Mean			219.0	100	19.2	33,514	1.2	0.5	55.7
LSD 0.05			30.7		2.8	1,616	4.0	1.9	2.1
CV (%)			8.7		5.9	3	205.3	231.3	2.3

Table 13. Hybrid Corn Performance Trial – Southeastern North Dakota Combined, 2008. (Page 2 of 2)¹

Company	Hybrid		Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Ldg. (%)	Stalk Ldg. (%)	Test Weight (lb/bu)
Proseed	793CBLL	93	205.9	101	17.9	32,740	0.7	0.0	53.2
NuTech	1N-398 CB/LL/RW	98	205.6	90	20.1	33,030	0.0	0.0	53.2
NuTech	3T-595VT3	95	204.8	96	18.7	32,961	0.5	0.4	56.9
Terning	TS EX 93	93	204.4	91	19.6	34,182	1.2	0.0	53.4
Wensman	W7118VT3	92	203.4	97	18.3	33,499	0.0	0.8	57.4
NuTech	3T-995VT3	95	202.3	88	20.1	33,374	2.8	0.5	55.2
Terning	TFS8181GTCBLL	87	201.3	104	17.0	32,681	3.0	1.7	55.7
Wensman	W7195VT3	94	200.3	92	19.0	32,364	0.0	0.0	56.1
Pioneer	38M60	94	189.2	104	16.0	33,654	0.5	2.1	57.6
Experiment Mean			219.0	100	19.2	33,514	1.2	0.5	55.7
LSD 0.05			30.7		2.8	1,616	4.0	1.9	2.1
CV (%)			8.7		5.9	3	205.3	231.3	2.3

¹Performance represents the potential of each hybrid in the Southeastern ND region, not just in one location.

Table 14. Hybrid Corn Performance Trial – Dryland – Carrington, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
NuTech	3C-292 RR/YGPL	90	138.3	106	28.2	95.8	38.0	101.4	47.7
NuTech	3P-191 RR/YGPL	90	135.1	113	25.8	95.3	34.6	91.4	45.8
Dairyland	ST-7985	85	133.5	135	21.3	92.8	36.8	92.0	49.3
NuTech	1N-887 CB/LL/RW	86	132.1	111	25.7	95.0	37.2	91.3	45.6
NuTech	3T-393 VT3	91	131.2	99	28.6	97.8	40.4	95.5	44.3
Wensman	W 7085VT3	84	127.8	126	21.8	91.5	32.6	88.2	53.4
NuTech	3T-484 VT3	84	127.4	115	23.9	94.3	33.5	92.1	48.4
NuTech	3P-484 RR/YGPL	84	127.4	119	23.0	93.3	34.4	93.5	50.4
NuTech	3A-390 RR	89	127.1	122	22.4	94.5	33.9	94.2	49.4
Jung	4288 YGCB	88	125.4	115	23.6	94.0	36.2	90.4	53.2
Mycogen	2P174	85	124.6	126	21.4	93.5	31.5	86.4	52.1
WRV	2982	82	124.3	107	25.1	95.8	36.2	87.2	46.1
NuTech	3T-083 VT3	83	123.4	124	21.5	93.0	33.5	91.9	53.2
Dyna-Gro	52V01	87	122.9	123	21.6	94.3	37.6	93.6	51.7
Monsanto	DKC38-89	88	122.2	108	24.4	93.8	30.1	88.4	49.8
Seeds 2000	8801VT3	88	121.9	108	24.4	94.5	33.9	91.8	49.2
Dairyland	ST-7286	86	121.3	102	25.7	92.3	33.7	92.8	50.9
Integra	9332R VT3	83	120.9	105	24.8	95.5	37.4	86.4	45.7
WRV	2987	87	120.4	98	26.5	95.0	37.1	89.8	46.2
Mustang	2304 VT3 RR	84	120.3	120	21.7	92.5	33.6	86.4	52.0
Wensman	W 7107VT3	90	119.5	105	24.5	94.3	35.6	94.0	48.8
Wensman	W 7089VT3	86	119.0	108	23.8	95.5	34.4	92.7	48.7
Kruger	K-2090RR/YGCB	90	118.7	104	24.7	94.5	32.8	89.7	49.2
Kruger	K-1490RR	90	118.1	109	23.4	94.0	33.5	90.0	50.5
Gold Country	87-01 CB	87	118.0	102	25.0	94.3	36.4	90.4	55.0
Renk	RK292CBLL	85	117.8	113	22.5	93.8	35.4	88.7	48.8
Integra	9361 VT3	86	117.2	113	22.3	93.3	36.5	90.6	50.9
Peterson	82L90	90	115.8	100	25.0	95.3	34.4	87.4	45.8
Integra	6385 VT3	85	114.9	95	26.2	93.8	31.7	86.9	51.0
Pioneer	39N99	89	114.3	103	24.0	95.3	35.2	87.7	51.1
Renk	RK268RRYGPL	84	114.0	108	22.8	96.3	31.1	93.9	44.8
Wensman	W 7087VT3	85	113.8	99	24.9	92.0	35.4	89.1	51.9
Proseed	786 CBLLGT	86	113.3	100	24.4	92.8	36.6	91.9	47.6
Jung	4209 RR/YGCB	85	112.9	110	22.1	94.5	36.0	92.1	51.7
Kruger	K-5388YGCB	88	112.3	105	23.1	93.8	36.8	90.8	52.5
NuTech	3T-388 VT3	87	112.0	98	24.6	95.8	35.3	87.8	49.2
Seeds 2000	8201VT3	82	112.0	107	22.6	93.5	33.1	87.9	51.1
Kruger	K-1584RR	84	111.3	102	23.5	94.8	30.9	85.3	51.2
Hyland	HL R228	85	111.1	121	19.8	91.8	32.1	89.8	52.5
Proseed	884 VT3	84	110.7	109	22.0	93.0	33.5	89.0	53.2
Kruger	K-1780RR	80	110.5	98	24.3	89.5	34.0	85.8	53.0
Dyna-Gro	51P62	82	110.1	109	21.7	92.8	32.1	85.7	52.4
Proseed	781 RRBT	81	109.8	85	27.7	95.5	33.9	85.2	44.9
Dyna-Gro	51P97	82	109.7	92	25.8	89.0	36.7	93.3	52.8
Hyland	HL B266	88	109.7	98	24.1	96.0	30.7	84.6	48.0
Hyland	HL CVR44	88	109.5	92	25.8	96.5	32.3	82.8	47.7
NuTech	3A-093 RR	91	108.9	85	27.5	94.0	33.7	89.6	49.2
Pioneer	38H08	92	108.7	90	26.0	96.0	40.7	92.3	43.4
Experiment Mean			111.3	100	24.0	93.7	34.2	89.3	50.5
LSD 0.05			17.9		3.4	2.3	4.4	5.6	2.6
CV (%)			11.6		10.2	1.8	9.3	4.6	3.7

Table 14. Hybrid Corn Performance Trial – Dryland – Carrington, 2008. (Page 2 of 2)¹

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
Peterson	56J86	86	108.5	105	22.2	93.5	34.1	92.4	50.2
NuTech	3A-095 RR	93	107.9	73	31.9	96.0	32.3	90.1	45.6
Proseed	581 VT3	83	107.1	94	24.5	95.3	33.9	85.5	48.3
Pioneer	39B23	88	106.6	82	28.2	93.3	37.4	91.1	50.6
Jung	7171VT3	82	106.5	100	23.0	92.8	36.3	92.8	54.3
Peterson	27L84	84	106.3	77	29.9	94.3	32.6	83.6	44.6
Renk	RK224RR	83	106.1	94	24.3	94.3	34.3	89.4	51.9
Peterson	54M83	83	105.1	87	26.0	93.0	38.4	97.5	52.9
Integra	9381 VT3	88	104.8	90	25.0	94.8	37.3	96.3	51.1
Mycogen	2K154	83	104.5	94	24.1	94.5	36.6	87.7	52.0
Dairyland	ST-7891	91	104.0	84	26.8	95.3	35.6	85.6	45.6
Kruger	K-1086RR	78	104.0	108	20.8	92.5	35.1	94.9	53.5
Dyna-Gro	51P15	85	103.7	99	22.7	93.0	30.9	88.3	53.5
Proseed	787 VT3	87	103.2	89	25.0	95.0	35.4	89.4	49.9
Monsanto	DKC35-19	85	102.0	86	25.5	93.0	29.3	82.4	53.2
Kruger	K-2385RR/YGCB	85	100.6	96	22.6	92.8	29.9	84.4	52.5
Kruger	K-1178RR	78	100.2	100	21.5	89.0	31.5	85.2	52.3
Mustang	1979 RR YGCB	79	100.0	98	22.0	93.3	33.9	92.4	53.6
Kruger	K-2086RR/YGCB	86	99.7	92	23.3	93.5	33.9	91.6	50.6
Monsanto	DKC33-54	83	99.6	102	21.1	89.8	32.5	83.5	54.3
Wensman	W 7083VT3	80	99.4	92	23.2	93.0	35.9	86.9	51.2
Kruger	K-2087RR/YGCB	87	99.0	87	24.4	93.0	37.4	95.1	51.7
WRV	2995	95	97.6	69	30.5	98.5	37.0	91.8	44.5
Integra	6385 R	85	97.3	95	22.0	93.3	30.3	84.4	52.7
Mycogen	2T092	80	96.6	110	18.9	92.8	28.0	83.6	50.9
Jung	4183 RR/YGCB	85	94.4	81	25.2	94.8	34.8	90.7	51.3
Dyna-Gro	51K95	85	93.4	84	23.9	93.8	33.3	84.1	50.5
Kruger	K-1381 RR	81	92.6	93	21.4	90.3	30.3	87.9	54.7
Monsanto	DKC29-98	79	91.9	80	24.7	90.0	34.4	80.3	56.2
Integra	9311 R	81	91.3	92	21.5	91.5	34.8	89.9	53.1
Gold Country	84-02 VT3	84	90.8	81	24.1	94.5	31.7	89.9	52.8
Proseed	879RR	79	87.3	95	19.9	90.5	30.7	86.0	54.3
Experiment Mean			111.3	100	24.0	93.7	34.2	89.3	50.5
LSD 0.05			17.9		3.4	2.3	4.4	5.6	2.6
CV (%)			11.6		10.2	1.8	9.3	4.6	3.7

¹Harvested population not counted. Plots were over-seeded and thinned to a population 24,000 pl/a. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 15. Hybrid Corn Performance Trial – Irrigated – Carrington, 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
Kruger	K-1490RR	90	144.0	107	27.9	96.8	35.4	101.2	49.1
Pioneer	38H08	92	137.3	105	27.1	95.8	41.7	103.0	44.7
Integra	9361 VT3	86	137.2	115	24.9	96.5	37.2	97.3	49.8
Proseed	787 VT3	87	134.2	105	26.7	96.8	34.8	96.9	49.2
Wensman	W 7089VT3	86	134.1	108	25.9	98.0	34.3	101.4	48.9
NuTech	3A-095 RR	93	133.4	86	32.3	97.5	35.4	97.8	46.4
Peterson	82L90	90	132.2	95	29.1	96.8	35.4	97.9	44.1
Renk	RK292CBLL	85	131.5	94	29.2	96.8	34.6	94.7	46.6
Integra	9332 VT3	83	130.7	105	25.9	97.3	36.6	90.0	47.8
NuTech	3C-292 RR/YGCB	90	130.7	90	30.1	98.5	37.8	100.2	48.2
Gold Country	87-01 CB	87	130.3	127	21.4	96.5	38.2	96.9	53.9
Wensman	W 7083VT3	80	129.9	122	22.1	93.5	32.7	93.1	52.3
Mycogen	2P174	85	129.4	115	23.4	96.3	31.5	93.5	51.5
NuTech	3T-484 VT3	84	129.3	100	26.8	97.3	37.6	101.2	45.2
NuTech	3T-083 VT3	83	128.0	109	24.5	94.8	32.3	92.9	51.8
Proseed	884 VT3	84	128.0	114	23.4	94.0	33.1	96.4	52.8
Pioneer	39B23	88	127.8	109	24.4	95.8	39.1	98.0	49.1
Kruger	K-5388YGCB	88	127.4	112	23.6	97.3	36.0	94.8	51.5
NuTech	3A-390 RR	89	127.3	87	30.3	98.8	40.0	100.9	44.0
Kruger	K-1086RR	78	127.2	121	21.9	97.0	33.9	99.7	49.6
Peterson	54M83	83	127.0	110	24.0	96.3	35.8	99.9	50.2
Pioneer	39N99	89	126.9	107	24.6	96.0	34.8	94.6	50.4
Peterson	56J86	86	125.9	101	25.9	94.5	31.9	95.1	50.1
Wensman	W 7085VT3	84	125.7	104	25.1	93.0	31.1	86.4	51.7
Monsanto	DKC38-89	88	125.3	97	27.0	97.0	29.1	91.7	48.1
Seeds 2000	8801VT3	88	124.0	99	26.0	97.5	35.4	99.9	48.6
NuTech	3T-388 VT3	87	123.8	92	28.1	96.3	34.6	94.9	47.9
Proseed	786 CBLLGT	86	123.7	88	29.1	97.5	35.6	94.7	46.2
NuTech	3P-191 RR/YGPL	90	123.5	88	29.3	98.0	36.0	98.4	44.3
Seeds 2000	8201VT3	82	123.4	109	23.5	94.5	32.1	94.4	50.7
Gold Country	84-02 VT3	84	122.1	105	24.3	97.0	35.2	97.2	50.8
Kruger	K-2087RR/YGCB	87	122.1	102	24.8	95.0	34.3	100.1	50.3
Kruger	K-1584RR	84	121.8	116	21.8	97.3	32.9	92.7	53.4
NuTech	3A-093 RR	91	121.5	85	29.7	98.0	30.7	97.2	47.9
Peterson	27L84	84	120.9	101	24.9	95.3	31.3	83.0	47.3
Kruger	K-2090RR/YGCB	90	120.5	89	28.1	98.0	36.4	103.0	46.2
Monsanto	DKC33-54	83	120.4	127	19.7	91.8	32.3	92.5	53.2
Wensman	W 7143VT3	93	120.3	76	32.8	99.3	32.9	93.1	46.8
Hyland	HL CVR44	88	120.0	91	27.3	97.5	32.7	92.9	49.0
NuTech	1N-887 CB/LL/RW	86	119.7	84	29.8	95.5	34.8	90.9	44.9
Hyland	HL B266	88	119.3	92	26.9	97.8	30.3	92.0	49.6
Renk	RK268RRYGPL	84	119.3	90	27.5	96.0	34.6	96.7	47.2
Jung	7171VT3	82	119.1	102	24.4	97.5	36.6	95.3	52.4
Jung	4288 YGCB	88	119.1	105	23.5	98.0	34.8	96.5	51.3
Mycogen	2K154	83	119.0	96	25.8	96.5	32.3	92.5	49.4
Wensman	W 7087VT3	85	119.0	101	24.6	95.0	31.3	93.1	50.5
Renk	RK224RR	83	118.9	99	24.9	96.0	31.7	89.2	50.0
Mycogen	2T220	86	118.6	94	26.3	94.8	32.7	92.9	48.2
Experiment Mean			122.1	100	25.4	96.0	33.8	94.9	49.6
LSD 0.05			16.0		3.2	2.4	4.3	5.4	2.8
CV (%)			9.4		9.1	1.8	9.1	4.1	4.1

Table 15. Hybrid Corn Performance Trial – Irrigated – Carrington, 2008. (Page 2 of 2)¹

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
NuTech	3T-393 VT3	91	118.1	76	32.5	100.0	38.0	99.0	43.4
Kruger	K-2385RR/YGCB	85	116.7	106	22.8	94.0	32.3	90.6	52.4
Kruger	K-2086RR/YGCB	86	116.6	102	23.8	97.8	36.4	95.5	48.8
Monsanto	DKC35-19	85	116.1	109	22.1	94.5	34.3	93.5	53.4
Integra	6385 R	85	115.7	102	23.5	96.8	30.1	86.5	50.0
Wensman	W 7107VT3	90	114.2	85	27.8	97.3	35.2	97.5	49.4
Jung	4183 RR/YGCB	85	113.6	101	23.5	95.3	32.3	96.9	49.6
Jung	4209 RR/YGCB	85	113.0	107	22.0	95.0	32.5	95.5	53.4
NuTech	3P-484 RR/YGPL	84	112.9	85	27.7	96.0	30.9	96.1	47.0
Kruger	K-1381 RR	81	111.2	129	18.0	91.3	32.1	93.7	54.3
Integra	6385 VT3	85	110.8	89	26.0	96.8	31.1	87.6	49.7
Kruger	K-1178RR	78	104.7	99	22.0	88.5	30.7	90.2	51.2
Hyland	HL CVR48	88	104.2	84	25.7	98.8	36.8	102.4	49.3
Kruger	K-1780RR	80	102.3	96	22.1	94.3	28.7	91.0	51.3
Monsanto	DKC29-98	79	93.0	83	23.4	88.0	27.0	83.3	56.3
Experiment Mean			122.1	100	25.4	96.0	33.8	94.9	49.6
LSD 0.05			16.0		3.2	2.4	4.3	5.4	2.8
CV (%)			9.4		9.1	1.8	9.1	4.1	4.1

¹Harvested population not counted. Plots were over-seeded and thinned to a population of 30,000 pl/a. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 16. Hybrid Corn Performance Trial – Dryland – Fingal (Carrington REC), 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
NuTech	3T-495 VT3	93	189.9	106	27.0	44.5	108.5	51.6
Mustang	4320 VT3 RR	95	187.8	104	27.1	43.7	105.5	53.1
Dyna-Gro	53V80	92	187.0	100	28.0	45.5	109.1	54.3
Mustang	2222 GTCBLL	87	186.1	120	23.4	47.0	108.5	54.6
Mycogen	2P174	85	185.4	115	24.2	41.3	107.3	56.4
Hyland	HL CVR54	92	184.3	95	29.2	42.9	102.4	52.2
Gold Country	92-03 VT3	92	183.4	94	29.2	40.6	100.8	53.8
NuTech	3T-995 VT3	93	183.4	94	29.4	42.5	109.6	53.0
Pioneer	38H08	92	183.4	106	26.0	46.9	106.5	50.9
Peterson	56J86	86	183.2	113	24.3	40.4	110.4	55.1
Peterson	82L90	90	181.7	106	25.8	39.8	107.9	52.7
Wensman	W 7143VT3	93	181.0	99	27.4	40.0	103.0	55.0
Pioneer	39N99	89	180.8	102	26.7	40.2	105.3	54.0
Dyna-Gro	52V01	87	179.6	109	24.7	39.4	105.7	55.1
Integra	63F90VT3	93	179.6	108	25.1	43.3	103.9	54.4
Proseed	P92VT3	92	179.5	98	27.4	40.6	106.3	54.2
Kruger	K-1086RR	78	179.4	127	21.2	45.1	106.9	56.0
Kruger	K-2086RR/YGCB	86	178.2	115	23.2	47.0	111.2	56.3
Renk	RK438RRYGPL	92	178.2	100	26.9	42.1	106.7	54.2
Kruger	K-5388YGCB	88	176.8	114	23.3	46.3	106.3	57.3
NuTech	3C-292 RR/YGPL	90	176.8	102	26.1	44.9	111.2	53.5
Kruger	K-2087RR/YGCB	87	176.6	114	23.3	41.1	107.1	57.1
Kruger	K-1490RR	90	176.6	107	24.7	44.5	104.1	56.2
Mycogen	2T220	86	176.5	109	24.3	41.3	107.9	56.3
NuTech	3P-191 RR/YGPL	90	176.0	98	27.1	42.1	106.9	53.5
NuTech	3T-096 VT3	94	175.9	92	28.6	41.1	112.0	54.5
Mycogen	2J272	87	175.8	109	24.2	39.8	106.1	55.2
Peterson	27L84	84	175.1	101	26.0	38.2	99.2	54.6
NuTech	3A-390 RR	89	175.0	92	28.6	42.5	107.5	52.7
Renk	RK488RRYGPL	95	175.0	79	33.5	45.3	110.0	52.0
Renk	RK575VT3	97	174.9	94	27.9	43.9	110.0	54.1
Seeds 2000	8801VT3	88	174.8	104	25.3	40.2	106.3	54.1
Mustang	4355 VT3 RR	95	174.3	84	31.1	46.3	106.9	53.1
Kruger	K-2090RR/YGCB	90	173.9	112	23.3	43.1	107.9	55.7
Mustang	2307 VT3 RR	86	173.1	100	26.1	42.1	108.9	54.1
Wensman	W 7107VT3	90	172.8	106	24.6	41.9	107.9	54.9
Hyland	HL B38R	92	172.7	89	29.0	45.3	107.3	53.6
Mustang	2304 VT3 RR	84	172.7	111	23.4	40.6	105.5	56.0
NuTech	3T-388 VT3	87	172.5	100	26.0	41.3	103.3	54.2
NuTech	3T-595 VT3	93	172.1	84	30.9	47.2	108.3	53.4
NuTech	3A-095 RR	93	172.0	84	30.7	40.0	106.1	53.2
Proseed	787 VT3	87	171.5	101	25.4	44.7	107.1	55.0
Pioneer	38M60	94	171.4	103	24.9	46.9	106.7	53.4
Kruger	K-1780RR	80	171.2	113	22.8	40.4	100.6	55.6
Peterson	54M83	83	170.1	112	22.9	43.1	109.1	57.1
Wensman	W 7089VT3	86	169.7	99	25.8	40.9	107.5	54.0
Seeds 2000	8201VT3	82	169.3	108	23.5	41.3	104.3	56.0
Hyland	HL CVR48	90	169.1	105	24.2	44.7	108.5	55.9
Experiment Mean			173.0	100	26.0	42.5	105.9	54.5
LSD 0.05			18.6		2.2	4.4	5.1	1.9
CV (%)			7.7		6.2	7.5	3.5	2.6

Table 16. Hybrid Corn Performance Trial – Dryland – Fingal (Carrington REC), 2008. (Page 2 of 2)¹

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
Renk	RK570VT3	95	168.7	87	29.3	41.9	103.3	51.5
Gold Country	89-02 R	89	168.0	103	24.5	44.5	103.1	56.0
Dyna-Gro	51P15	85	166.6	103	24.4	36.0	98.2	56.6
NuTech	3T-393 VT3	91	166.4	88	28.4	45.5	107.7	52.6
Kruger	K-2385RR/YGCB	85	165.7	112	22.3	38.6	99.2	57.0
Dyna-Gro	51V89	84	165.5	110	22.6	42.3	101.4	56.4
Kruger	K-1584RR	84	165.2	104	23.9	38.0	99.0	57.1
Renk	RK501YGCB	95	163.4	78	31.3	44.1	105.7	52.5
Proseed	786 CBLTGT	86	162.4	107	22.9	41.7	105.9	53.5
Mustang	3302 VT3 RR	92	161.8	88	27.7	42.5	105.9	54.6
Kruger	K-1381 RR	81	161.3	118	20.6	41.9	103.9	57.5
Proseed	793CBLT	93	159.7	84	28.6	45.3	107.1	50.8
Mycogen	2D326	92	157.9	80	29.6	40.9	107.7	53.4
Gold Country	87-01 CB	87	157.6	103	23.0	44.1	104.1	57.5
Renk	RK584CBLT	98	157.3	69	34.1	46.3	110.2	50.8
Wensman	W 7085VT3	84	155.9	103	22.8	36.2	97.0	55.6
Wensman	W 7087VT3	85	155.3	99	23.6	41.5	102.8	56.3
Kruger	K-1178RR	78	151.4	109	20.9	42.3	100.4	56.2
Experiment Mean			173.0	100	26.0	42.5	105.9	54.5
LSD 0.05			18.6		2.2	4.4	5.1	1.9
CV (%)			7.7		6.2	7.5	3.5	2.6

¹Harvested population not counted. Plots were over-seeded and thinned to a population 26,000 pl/a. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 17. Hybrid Corn Performance Trial – Irrigated – Oakes (Carrington REC), 2008. (Page 1 of 2)

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
Kruger	K-6499VT3	99	250.0	128	20.1	81.0	46.8	93.8	53.8
Wensman	W 7267VT3	97	249.5	119	21.6	81.0	47.3	94.3	53.4
NuTech	5H-599 RR/HX	97	244.8	111	22.8	83.0	55.0	102.8	51.9
NuTech	1B-900 CB/LL	98	241.5	101	24.6	79.0	49.5	98.3	50.8
NuTech	3C-300 RR/YGCB	98	238.5	109	22.6	79.0	52.0	105.3	52.1
Wensman	W 7309VT3	101	238.5	104	23.6	79.0	52.5	98.0	52.7
Gold Country	98-10 VT3	98	238.3	121	20.3	81.0	49.8	96.8	53.8
NuTech	5N-898 GT/CB/LL/RW	96	238.1	111	22.1	78.0	43.0	94.3	53.6
Kruger	K-1500RR	99	237.6	115	21.3	81.0	53.5	100.8	52.3
NuTech	3T-500 VT3	98	237.3	98	24.8	79.0	51.5	97.8	52.0
Renk	RK584CBLL	98	236.4	108	22.5	79.0	50.5	98.3	52.5
NuTech	1B-198 CB/LL	96	236.3	108	22.4	78.0	48.0	98.0	52.5
NuTech	3T-399 VT3	97	235.2	105	23.1	78.0	47.5	96.5	53.8
NuTech	3T-098 VT3	96	233.7	115	20.9	81.0	48.8	96.3	53.9
Kruger	K-6097VT3	97	232.8	115	20.9	80.0	52.0	98.5	53.0
Monsanto	DKC50-44	100	232.1	90	26.4	77.0	47.0	96.8	51.9
NuTech	3T-799 VT3	97	232.1	111	21.4	81.0	52.0	97.8	53.3
NuTech	3P-400 RR/YGPL	98	230.4	103	23.0	80.0	51.5	100.5	52.5
Dairyland	ST-9196	96	228.6	118	20.0	80.0	48.5	96.3	54.8
Wensman	W 7143VT3	93	228.5	117	20.2	78.0	47.8	99.5	54.4
NuTech	1X-201 HXT/LL	99	227.9	98	24.0	83.0	58.0	102.0	52.8
NuTech	3T-098A VT3	96	227.6	106	22.1	81.0	50.0	95.8	53.4
NuTech	3T-101+VT3	99	225.2	109	21.3	82.0	54.0	103.3	51.7
NuTech	3T-995 VT3	93	224.7	111	20.9	77.0	46.3	96.5	53.5
Proseed	794 CBLLGT	94	223.5	110	20.9	79.0	54.0	96.8	54.3
Peterson	53B97	97	222.7	103	22.2	77.0	50.8	99.0	56.3
Seeds 2000	9901VT3	99	222.6	99	23.1	78.0	50.8	97.8	53.8
Renk	RK501YGCB	95	222.2	111	20.6	78.0	47.5	96.0	54.4
Wensman	W 7273VT3	98	220.6	111	20.5	81.0	49.5	94.0	53.4
NuTech	3T-096 VT3	94	218.5	105	21.5	77.0	49.0	99.0	55.1
NuTech	3C-300A RR/YGCB	98	217.3	104	21.4	78.0	50.8	102.3	53.0
NuTech	3T-393 VT3	91	216.3	107	20.8	80.0	52.3	99.0	52.7
Tester		95	216.0	104	21.4	77.0	46.3	98.0	55.6
Kruger	K-1295RR	95	215.7	107	20.8	77.0	49.0	96.8	53.7
Hyland	HL CVR64	97	214.6	104	21.3	79.0	46.8	96.3	52.4
Proseed	793CBLL	93	214.2	107	20.6	76.0	47.0	96.3	52.5
Kruger	K-6697VT3	96	213.5	112	19.7	80.0	47.3	96.0	54.3
Mustang	4320 VT3 RR	95	212.7	102	21.5	80.0	50.3	98.3	52.0
Monsanto	DKC50-19	100	212.5	96	22.7	77.0	47.5	95.0	53.3
Proseed	894 VT3	94	208.8	101	21.3	80.0	50.8	97.5	52.6
Hyland	HL CVR54	92	208.8	98	22.0	80.0	51.5	100.0	52.2
Wensman	W 7289VT3	99	208.6	95	22.7	77.0	49.3	96.8	54.9
Hyland	HL B38R	92	208.4	97	22.1	80.0	50.3	99.0	52.3
Monsanto	DKC46-60	96	208.0	99	21.5	75.0	46.8	95.0	53.5
Gold Country	94-04 VT3	94	207.4	88	24.2	78.0	49.5	97.8	52.3
NuTech	3A-095 RR	93	206.8	103	20.6	78.0	48.0	96.3	54.3
Pioneer	37Y14	99	206.6	95	22.5	79.0	49.5	98.0	53.4
Integra	9480VT3	97	205.8	96	22.0	78.0	48.5	96.5	53.8
Experiment Mean			211.0	100	21.7	78.0	49.0	98.0	53.2
LSD 0.05			18.9		1.5	1.9	3.5	3.7	1.6
CV (%)			6.5		5.0	1.5	5.1	2.7	2.2

Table 17. Hybrid Corn Performance Trial – Irrigated – Oakes (Carrington REC), 2008. (Page 2 of 2)¹

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Ear Height (inch)	Plant Height (inch)	Test Weight (lb/bu)
Renk	RK488RRYGPL	95	204.7	97	21.8	80.0	50.0	98.3	53.5
Renk	RK575VT3	97	204.3	95	22.2	79.0	47.0	98.5	50.9
Peterson	53Y96	96	204.2	93	22.5	77.0	47.8	96.0	52.3
Renk	RK570VT3	95	204.1	94	22.4	79.0	48.0	99.3	50.9
Monsanto	DKC45-79	95	203.1	94	22.3	77.0	46.0	99.0	53.3
Kruger	K-6298VT3	98	201.8	98	21.3	77.0	47.3	98.0	53.1
Pioneer	38H08	92	201.6	103	20.2	76.0	52.0	95.8	50.6
Wensman	W 7107VT3	90	197.8	100	20.4	77.0	46.0	96.3	53.7
Seeds 2000	9501VT3	95	195.9	89	22.7	80.0	50.5	99.8	51.8
Kruger	K-6093VT3	93	195.3	94	21.3	76.0	45.8	92.5	52.6
Dairyland	ST-7891	91	194.4	113	17.7	76.0	47.3	92.5	55.0
Dairyland	ST-9594	94	190.8	99	19.9	78.0	51.5	103.8	53.2
Kruger	K-6094VT3	94	188.5	83	23.3	79.0	49.0	95.8	52.7
Pioneer	38P43	95	187.5	78	24.7	77.0	49.8	101.8	56.1
Gold Country	92-03 VT3	92	183.8	86	21.9	76.0	45.5	89.8	52.3
Renk	RK438RRYGPL	92	182.8	88	21.4	78.0	43.3	92.8	53.2
Mustang	2307 VT3 RR	86	176.6	89	20.5	77.0	46.3	96.0	53.7
Kruger	K-1490RR	90	176.4	89	20.3	77.0	49.8	99.5	56.2
Monsanto	DKC43-27	93	174.7	85	21.2	75.0	43.3	91.3	51.2
Kruger	K-2090RR/YGCB	90	173.0	90	19.7	76.0	47.0	95.8	53.8
Peterson	56G95	95	169.8	79	22.0	77.0	48.8	95.8	51.3
NuTech	3T-595 VT3	93	168.7	81	21.5	77.0	49.0	94.8	51.6
Kruger	K-2087RR/YGCB	87	166.8	82	20.9	76.0	48.3	98.3	54.7
Kruger	K-2086RR/YGCB	86	165.3	81	20.9	75.0	52.5	103.3	53.5
Pioneer	38M60	94	164.7	79	21.5	76.0	53.5	98.5	53.3
Kruger	K-5388YGCB	88	159.8	81	20.2	76.0	49.3	96.0	55.2
Experiment Mean			211.0	100	21.7	78.0	49.0	98.0	53.2
LSD 0.05			18.9		1.5		3.5	3.7	1.6
CV (%)			6.5		5.0		5.1	2.7	2.2

¹Harvested population not counted. Plots were over-seeded and thinned to a population 35,000 pl/a. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 18. Hybrid Corn Performance Trial – Roundup Ready – Minot, 2008¹.

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Days to Silk (days)	Plant Height (inch)	Seed Protein (%)	Test Weight (lb/bu)
Wensman	EXP 6056BtRR	72	156.3	218	11.8	77.5	70.5	11.6	60.1
NuTech	3C-181 RR/YGCB	81	150.7	114	21.8	81.8	87.1	10.5	51.4
Integra	9332 RB	83	149.7	117	21.1	80.5	85.2	10.7	52.0
Proseed	781RRBT	81	143.0	116	20.3	81.3	86.9	11.1	53.3
Mycogen	2K154	83	123.9	112	18.3	79.8	87.5	10.5	54.5
Croplan	2340RH	83	121.7	115	17.5	78.8	87.3	10.5	54.6
Gold Country	84-02 VT3	83	121.4	112	17.9	79.5	93.0	10.5	54.8
NuTech	3T-083 VT3	83	120.9	120	16.7	79.0	89.8	9.8	55.7
Dyna-Gro	51P15RRBT	85	117.8	109	17.8	81.0	89.2	9.9	53.9
Proseed	678RRBT	78	117.7	106	18.4	78.0	86.8	11.1	54.9
Wensman	W 7085VT3	83	117.4	115	16.8	78.8	79.2	10.7	55.8
Mycogen	2K152	82	116.0	114	16.8	79.8	87.3	10.3	55.0
Peterson	37T79	79	112.0	105	17.6	78.3	86.0	11.5	57.3
Croplan	229VT3	80	111.1	114	16.1	78.5	88.4	10.5	55.1
Wensman	W 7083BT3	80	110.6	113	16.2	79.3	89.7	10.4	54.4
Monsanto	DKC 35-19 (RR2/YGCB)	83	109.2	117	15.4	79.8	91.7	10.8	56.8
Gold Country	84-03 CBR	83	109.1	114	15.8	79.0	89.3	10.1	55.5
NuTech	3C-484 RR/YGCB	82	109.1	105	17.2	78.5	88.8	11.1	55.3
Proseed	581RRBTCRW	83	108.5	98	18.3	77.3	81.2	10.2	53.1
Integra	6780 VT3	80	106.2	98	17.8	79.5	83.8	9.8	56.1
G2	5G-881 RR/HX	81	105.3	105	16.5	78.3	90.6	10.3	54.0
Integra	6780R	80	105.0	97	17.9	75.8	85.6	10.3	55.5
Mycogen	2J086	80	104.8	101	17.1	78.5	85.5	10.8	54.5
NuTech	3C-882 RR/YGCB	82	104.5	101	17.2	79.3	87.1	10.6	53.8
Wensman	W 6076BtRR	79	104.5	105	16.5	78.8	92.4	10.6	55.3
Peterson	24F80	80	104.1	99	17.3	79.0	85.5	10.2	56.3
Dyna-Gro	51P62	82	101.8	103	16.4	79.0	90.4	10.6	55.1
Croplan	238VT3	85	99.8	94	17.5	80.3	89.8	10.3	53.9
Integra	6385R	83	99.2	103	15.8	80.3	84.8	10.0	56.1
Dyna-Gro	51V89	83	95.3	95	16.5	80.0	90.4	10.2	54.8
Dyna-Gro	51P97	81	92.5	74	20.4	79.3	88.6	10.6	56.1
Hyland	HLB24R	83	86.7	73	19.7	81.5	88.5	10.8	52.0
Seeds 2000	8201 VT3	82	84.9	77	18.3	80.5	91.4	10.0	54.3
Mycogen	2T092	80	79.3	94	13.9	76.5	85.3	10.9	54.4
Monsanto	DKC 33-54(RR2)	83	74.2	79	15.4	76.0	84.7	10.7	56.1
Gold Country	80-02 RR	80	73.2	89	13.6	78.0	90.9	10.3	56.2
Monsanto	DKC 29-98(RR2/YGCB)	79	69.8	88	13.1	75.0	81.5	11.2	58.6
Seeds 2000	2781RR	78	66.1	65	16.7	76.3	87.1	11.0	56.4
Proseed	879RR	78	54.2	63	14.2	78.3	90.1	10.1	56.2
Hyland	HLB16R	76	45.8	41	18.4	74.5	93.9	11.7	58.1
Croplan	155RR	77	43.2	50	14.2	74.8	86.2	10.5	59.2
Experiment Mean			103.1	100	17.0	79.0	87.0	10.6	55.3
LSD 0.05			21.0		1.9	1.0	4	0.5	1.4
CV (%)			14.8		8.1	1.1	3	3.1	1.8

¹Harvested population not counted, plots were over-seeded and thinned to a population 22,000 pl/a. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 19. Hybrid Corn Performance Trial - Irrigated - Williston 2008.

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Days to Silk (days)	Test Weight (lb/bu)
Monsanto	DKC35-19	85	183.2	98	20.9	36,518	85.0	51.6
Mycogen	2T220	85	179.2	100	20.1	33,735	87.0	50.1
Dyna-Gro	51P15	85	176.4	93	21.1	34,390	88.0	48.5
Monsanto	DKC33-54	83	173.6	115	16.8	33,243	84.0	52.3
Mycogen	2P174	84	170.0	102	18.6	33,571	87.0	51.4
Dyna-Gro	51P62	81	168.9	98	19.3	35,536	87.5	51.2
Monsanto	DKC29-98	79	168.6	98	19.2	36,191	81.0	53.9
Mycogen	2K154	83	168.3	102	18.4	33,407	86.0	52.3
Dyna-Gro	51P97	78	162.5	104	17.4	33,898	88.0	53.2
Dyna-Gro	51V89	84	161.8	87	20.7	33,571	88.0	50.5
Gold Country	84-03 CBR	84	160.9	102	17.6	30,787	85.0	51.8
Gold Country	80-02 RR	80	158.7	106	16.7	35,700	84.0	53.7
Experiment Mean			169.3	100	18.9	34,212	85.9	51.7
LSD 0.05			NS		2.2	NS	0.4	NS
CV (%)			9.0		8.3	13	0.3	2.7

Table 20. Hybrid Corn Performance Trial – Langdon, 2008.

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Height (inch)	Days to Silk (days)	Test Weight (lb/bu)
Gold Country	77-01 CBR	77	110.6	122	37.0	100.2	85.6	47.4
Mustang	1308RRYGCB	78	109.9	137	32.7	96.6	87.3	48.9
NuTech	3C-482 RR/YGCB	81	108.2	117	37.6	94.6	87.2	47.0
G2	5H-881 RR/HX	81	106.6	108	40.1	108.5	88.7	40.8
NuTech	3T-484 VT3	83	105.6	99	43.4	104.5	90.8	42.5
Wensman	W 7083 VT3	80	103.7	103	41.1	95.5	90.0	42.0
Seeds 2000	2781 RR	78	102.6	115	36.2	100.5	85.2	48.3
Hyland	Baxxos RR	75	102.4	120	34.7	107.4	84.0	49.5
Monsanto	DKC29-98(RR2/YGCB)	79	102.4	129	32.4	86.5	83.1	50.9
Hyland	HL B14R	75	102.3	122	34.2	100.5	85.5	47.9
AgSource	3C-822 RR/YGCB	82	102.1	110	37.9	97.3	88.7	44.3
Mustang	2304VT3	83	100.9	93	44.3	100.9	90.5	42.6
Monsanto	DKC35-19 (RR2/YGCB)	83	100.2	111	36.6	97.0	88.5	46.6
Peterson	24F80	80	100.0	97	42.0	94.5	88.5	44.9
Peterson	37T79	79	99.4	118	34.3	95.8	87.9	49.1
Wensman	EXP 6056BtRR	72	98.8	118	34.2	85.2	85.0	49.1
Gold Country	80-02 RR	80	98.6	114	35.3	101.2	87.1	46.7
Hyland	HL B22R	79	98.5	102	39.1	97.8	89.0	44.1
Gold Country	84-03 RR	77	98.2	105	37.9	97.1	89.8	46.2
Proseed	678RRBT	78	94.3	109	35.1	97.3	88.5	48.6
Mustang	1979RRYGCB	79	94.1	102	37.6	102.1	89.1	44.9
Wensman	W 6076BtRR	79	93.2	97	38.9	98.5	88.5	43.9
Proseed	879RR	78	92.3	108	34.9	97.3	87.1	46.9
Monsanto	DKC33-54 (RR2)	83	90.8	93	39.9	93.0	88.4	43.4
Integra	6780R	80	89.7	92	39.7	98.6	88.5	44.4
NuTech	3C-181 RR/YGCB	80	87.4	71	50.4	94.4	91.7	38.4
Integra	6780 VT3	78	85.8	88	39.8	100.0	88.9	45.1
Seeds 2000	8201VT3	82	85.3	78	44.6	98.5	92.5	41.0
Hyland	HLX 815 BtRR	75	84.9	105	33.1	85.8	85.0	48.2
AgSource	3A-383+ RR	83	84.1	76	45.0	101.2	92.6	41.5
Proseed	781RRBT	81	83.0	68	49.9	96.1	91.4	38.0
NuTech	3T-083 VT3	82	82.3	80	42.1	103.4	90.0	43.4
NuTech	3A-887 GT	83	79.7	62	52.6	102.3	91.7	38.2
Integra	9311RBC	81	78.1	84	37.9	99.6	87.6	44.8
Experiment Mean			95.6	101	38.9	97.9	88.3	45.2
LSD 0.05			18.9		3.0	4.7	1.7	1.9
CV (%)			12.1		4.7	2.9	1.2	2.6

¹Harvested population not counted, plots were over-seeded and thinned to a population 28,000. Plant populations often affect grain yield of hybrids. Therefore, caution should be taken when selecting hybrids from trials without plant populations.

Table 21. Hybrid Corn Performance Trial – Finley, 2008.

Company	Hybrid	RM	Grain Yield (bu/a)	Perf. Index (PI)	Grain Moisture (%)	Plant Density (pl/a)	Root Lodging (%)	Test Weight (lb/bu)
Monsanto	DKC38-89	88	169.1	109	29.4	30,333	10.0	48.0
Dyna-Gro	52V01	87	166.3	128	24.6	29,333	10.0	48.7
Proseed	787 VT3	87	165.9	127	24.9	27,666	25.9	48.4
Dyna-Gro	51P15	85	162.8	125	24.7	31,666	6.7	51.4
Peterson	56J86	86	160.8	114	26.8	31,666	0.0	49.1
Seeds 2000	8201 VT3	82	158.8	111	27.2	32,666	10.0	48.6
Seeds 2000	8801 VT3	88	158.6	128	23.6	28,666	6.7	49.0
Hyland	HL B34R	88	157.2	105	28.5	27,666	30.0	48.7
Hyland	HL B24R	81	156.1	88	33.6	30,333	20.0	46.7
NuTech	3C-089	89	155.0	92	32.0	32,000	0.0	46.1
Monsanto	DKC35-19	85	154.3	114	25.6	33,333	6.7	49.5
Croplan	238 VT3	85	153.2	110	26.3	29,666	3.3	48.6
Stine	9200	85	150.9	95	30.2	28,333	13.3	47.6
Peterson	27L84	84	149.0	104	27.3	28,000	26.7	46.6
Wensman	W 7085 VT3	84	148.4	110	25.6	30,153	35.9	50.0
Dyna-Gro	51P62	82	147.0	118	23.7	30,666	6.7	50.2
Pioneer	39N99	89	146.7	83	33.8	32,153	10.9	47.7
Peterson	54F80	84	146.6	110	25.3	31,333	10.0	50.2
Gold Country	84-02 VT3	84	146.5	98	28.4	30,392	0.0	49.7
Dyna-Gro	51V89	84	146.1	107	25.9	35,333	0.0	48.9
NuTech	3P-484	84	145.9	100	27.6	28,333	30.0	48.3
Thunder	TS 8000 RRBT	87	145.6	94	29.4	30,153	26.7	45.6
NuTech	3P-191	87	144.5	84	32.7	31,333	3.3	47.1
Integra	65D85 RB	83	143.8	115	23.8	29,666	30.0	49.7
Integra	9361 RBC	86	142.3	93	29.0	31,000	16.7	48.2
Peterson	54M83	83	141.3	95	28.3	33,333	13.3	48.4
Proseed	884 VT3	84	141.3	90	29.6	32,666	10.0	48.8
Hyland	HL CVR44	88	141.0	86	31.1	29,333	6.7	47.3
Gold Country	94-04 VT3	84	141.0	74	36.1	30,333	10.0	46.7
Integra	9381 VT3	88	139.2	92	28.6	28,666	6.7	48.7
Monsanto	DKC33-11	83	136.0	110	23.4	30,333	20.0	51.6
Wensman	W 7089 VT3	86	136.6	76	34.1	32,153	20.9	45.9
Hyland	HL R228	85	133.7	88	28.7	28,892	23.3	47.2
NuTech	3A-484	84	131.8	97	25.8	30,666	16.6	48.1
Wensman	W 7083 VT3	80	129.2	97	25.2	29,153	10.9	48.5
Gold Country	85-04 R	84	123.3	77	30.3	28,892	20.0	46.9
Experiment Mean			147.6	100	28.1	30,452	13.6	48.4
LSD 0.05			25.1		5.8	4,342	21.5	2.4
CV (%)			13.6		12.9	9	95.0	3.1

Table 22. Names and addresses of companies that submitted hybrids for evaluation by NDSU eastern trials in 2008.

Company	Address	Contact
Dairyland Seed	P.O. Box 958, West Bend, WI 53095	Sherry Peters
Dyna-Gro	11935 County Road 1, Fergus Falls, MN 56537	Aaron Aarestad
G2 Genetics	36131 Hwy 69, Forest City, IA 50436	Dennis Ewing
Gold Country Seed Inc.	16506 Highway 15 N., Hutchinson, MN 55350	T. Carlson
Hyland Seeds	2 Hyland Drive, Blenheim, Ontario, Canada N0P 1A0	Brett Sauer
Integra Seed	3079 22nd St. S., Fargo, ND 58103	Dean Pedersen
Kruger Seed	33938 160th Ave., Dike, IA 50624	Howard Jensen
Legend Seeds	Box 241, DeSmet, SD 57231	Mike Knight
Monsanto	800 Lindbergh Blvd. N., St. Louis, MO 63167	Diane Freeman
Mycogen Seeds	9330 Zionsville Road, Indianapolis, IN 46268	Bruce Due
NuTech Seed Co.	40321 130th Ave., Leland, IA 50453	Dan Lund
Peterson Farms Seed	3104 164th Ave. S.E., Harwood, ND 58042	Ron Hagemeister
Pioneer Hi-Bred Intl. Inc.	151 Saint Andrew Ct. #910, Mankato, MN 56001	Barry Anderson
Proseed	705 Brueske E., Harvey, ND 58341	Jim Hanzel
REA Hybrids	537 th Ave. S., Moorhead, MN 56560	Mike Dietrich
Renk Seed	6809 Wilburn Road, Sun Prairie, WI 53590	Jeff Taffe
Seeds 2000 Inc.	P.O. Box 200, 115 3rd St. N., Breckenridge, MN 56520	Kevin Wall
Terning Seeds	60th St. S.W., Cokato, MN 55321	Mike Kottom
Wensman Seed	P.O. Box 190, Wadena, MN 56482	Jeff Wensman

Entry forms for corn entries in the 2009 eastern hybrid performance trials and 2008 breeder data can be obtained by writing to:

Marcelo J. Carena, corn breeding and genetics	North Dakota State University Department of Plant Sciences	P.O. Box 6050, Dept. 7670 Fargo, ND 58108-6050
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The information also is on the Web at www.ag.ndsu.nodak.edu/plantsci/breeding/corn

and www.ag.ndsu.edu/fargo/08data/cornmenu08.htm.

For trials at Carrington, Hettinger, Langdon, Minot and Williston, contact:

Carrington Research Extension Center	Blaine Schatz, director and agronomist Steve Zwinger, agronomist	P.O. Box 219 Carrington, ND 58421-0219
Hettinger Research Extension Center	Eric Eriksmoen, agronomist	P.O. Box 1377 Hettinger, ND 58639
Langdon Research Extension Center	Bryan Hanson, agronomist	P.O. Box 310 Langdon, ND 58249
North Central Research Extension Center	Mark Halvorson, agronomist	5400 Highway 83 S. Minot, ND 58701-7645
Williston Research Extension Center	Neil Riveland, agronomist	14120 Highway 2 Williston, ND 58801-8629

For more information on this and other topics, see: www.ag.ndsu.edu

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