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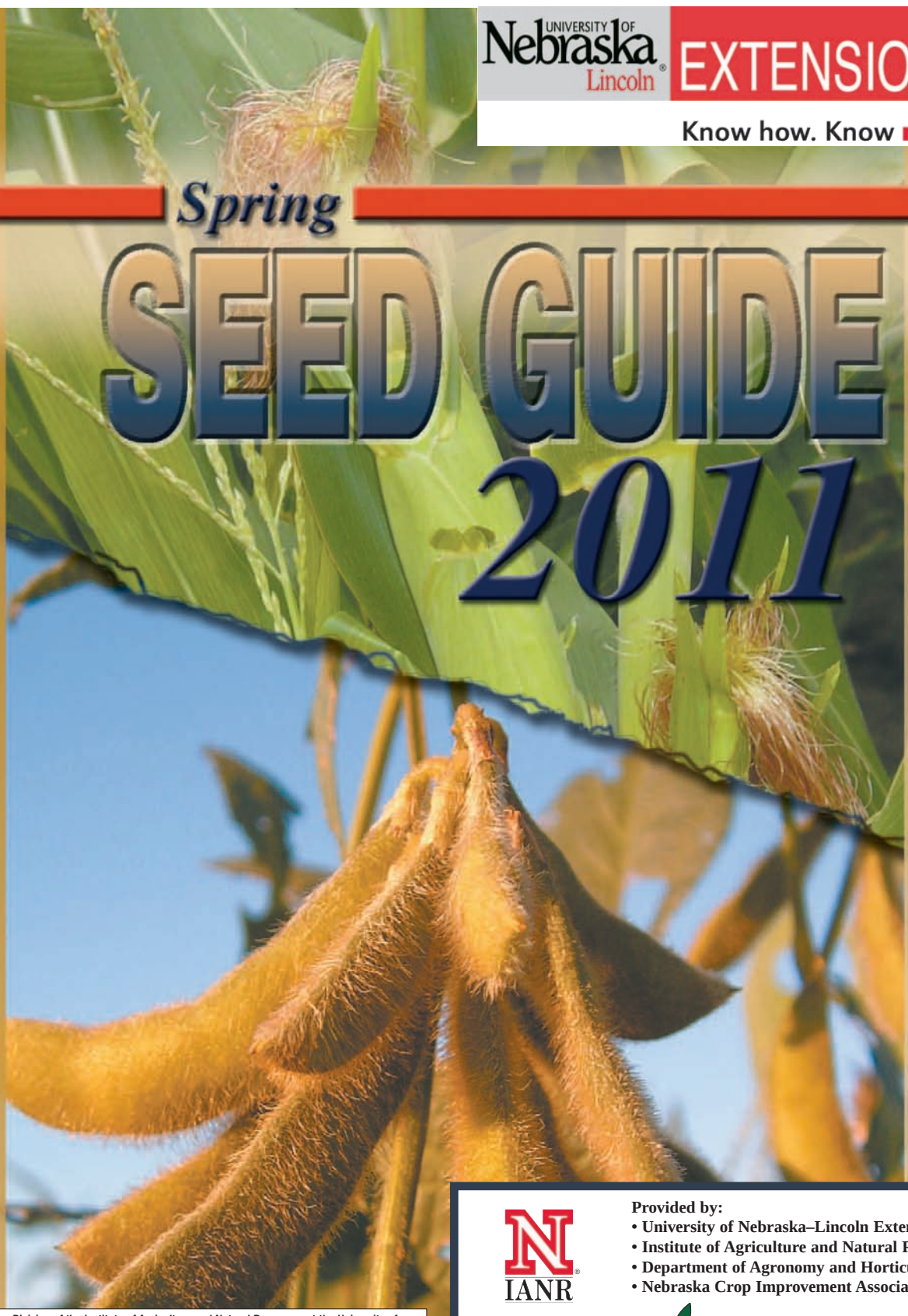
Spring SEED GUIDE 2011



Provided by:
- University of Nebraska–Lincoln Extension
- Institute of Agriculture and Natural Resources
- Department of Agronomy and Horticulture
- Nebraska Crop Improvement Association

IANR

NEBRASKA CROP IMPROVEMENT ASSOCIATION

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WELCOME TO THE 2011 SPRING SEED GUIDE

Corn, soybean, sorghum, and alfalfa are included in this seed guide. This publication will be available for the public through mail or the University of Nebraska Extension at county extension offices. Copies will also be mailed to producers who hosted the tests, associate programs and companies including that submitted entries. Individual plot data and contents of the seed guide will also be available on the web at http://cropwatch.unl.edu/web/varietytest/home. One can also find test information from previous years at this website. Information from the Nebraska Crop Improvement Association included in here complements the variety testing data by identifying seed sources for purchasing a hybrid or variety in Nebraska. We appreciate the support of advertisers in printing this guide.

It is our hope that you will find this guide useful in making hybrid and variety selection for planting this spring. Please send any comments and suggestions to tregassa2@unl.edu.

2010 crop season was different in many ways. The rainfall was above average in most areas. There were good sunshine hours and temperatures were about average resulting in good accumulation of growing degree days. Planting went very well and the condition at harvest was extremely good. Some areas had crop damage from hail and wind. The rainfed crops benefited from the wet condition.

Please visit our web CropWatch Variety Testing page at http://cropwatch.unl.edu/web/varietytest/home for all the information you need on variety testing.

Teshome Regassa
Variety Testing Coordinator
University of Nebraska-Lincoln

Table of Contents

Nebraska Corn Hybrid Tests 2
Nebraska Corn Tables 8
Nebraska Soybean Variety Tests 37
Sunflower Trials 51
Alfalfa Trial 56
Grain Sorghum Trials 58

Nebraska Crop Improvement Association Contents

Directory 60
Plant Variety Protection Act 61
Turfgrasses 62
Perennial Forage Grasses 62
Spring Wheat 65
Spring Barley 65
Oats 65
Millet 67
Field Peas 68
Hybrid Seed Corn 68
Nebraska Seed Quality Assurance Program 68
Approved Seed Conditioners 69
Custom Certified Conditioners 69
NCIA Members 70

Produced By Midwest Producer

ADVERTISERS INDEX

Arrow Seed . . . . . Inside Back Cover
Bestway Sprayers 21
Brothers Equipment 36
Dietz Well & Pump Co. 8
Dyna-Gro 14
Equity Financial Resources 31
Geneva Welding 33
Great Plains Planters 16
John Deere Tractors 27
Kinze Planters 50
Luhrs Certified Seed & Conditioning . . . . . Back Cover
Maschmann Mills 41
Merschman Seeds . . . . . Inside Back Cover
Meridian Mfg. 19
Nebraska Soybean Board 49
New Holland Dealers 39
Norwood Sales, Inc. 32
NuTech Seed . . . . . Inside Front Cover
NuPride Genetics Network . . . . . Inside Back Cover
Peck Manufacturing 7
Phillips Seed 38
Prairie States Seed 31
Reinke Irrigation 53
Stock Seed Farms . . . . . Inside Back Cover
Sunrise Seeds 46
Sylvester 33
T-L Irrigation Dealers 29
The Seed House 57
Valley Irrigation Dealers 17
W-L Research 58
Yamaha ATVs 25
Zimmatic Irrigation 26

NEBRASKA VARIETY AND HYBRID TESTS EXTENSION CIRCULAR 101
SPRING SEED GUIDE - 2011

NOVEMBER 2010

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Special acknowledgment is made to farmer cooperators who furnished land for experiments; also to Extension Educators and others who assisted with the tests.

The authors wish to acknowledge the assistance of the technical support staff: Neal Mattox, Eric Barnes, Jeff Golus, Jon Scott, Lynn Junck, Jerry Nachtman, David Orr, Hillary Bentley, Steve Boggs, and Jing Soong. Their help is vital to this research.

NEBRASKA CORN HYBRID TESTS
- 2010 -

CROP PRODUCTION SUMMARY

According to the National Agricultural Statistics Service, there were 9.15 million acres of corn planted in Nebraska in 2010. 8.9 million acres were harvested producing around 1.48 billion bushels of grain. The average corn yield of Nebraska for 2010 was 166 bushels per acre (bu/a). Corn yields from the previous 10 years are reported below.

Average Nebraska Corn Yield (Last 10 Years)

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Yield (bu/a)	126	147	128	146	166	154	152	160	163	178	166

Source: National Agricultural Statistics Service (http://www.nass.usda.gov)

The 2010 corn crop in Nebraska followed the 5-year averages during the growing season Warm temperatures and dry conditions allowed the crop to be harvested much earlier than in previous years. Detailed information regarding crop progress and history can be obtained from the National Agricultural Statistics Service available online at http://www.nass.usda.gov

PROCEDURE

Nineteen corn performance tests were planted throughout Nebraska and Nebraska-Wyoming border in 2010. Test locations are shown on the map (page 15). Table A (page 8) shows county where the tests were located, cooperators, planting and harvesting dates and GPS coordinates for the plots. Corn trials are conducted to provide yield and other information about corn hybrids available to corn growers in Nebraska. A fee from seed companies covers a portion of the cost of each test. Entry was on a voluntary basis and hybrids were selected by seed producers. At many locations, widely grown hybrids were entered by the Agronomy/Horticulture Department or the cooperator.

Table B (page 9) shows soil type and the cultural practice reported for each test site. Table C (page 10) shows the average performance of all hybrids at each test location. Individual plots are two rows wide and range from 15 to 35 feet long. Each test location had the same number of seed planted for all hybrids. The plant population represents the average harvested plant density. The hybrids entered for 2010 for each brand are shown in Table D (11), the hybrid and technology details are shown in Table E (pages 12-13), and Table F (15) shows the contact name and addresses for each brand at the time of entry application. Temperature and rainfall data are shown on (page 6).

This year grain yields are expressed on a 15% moisture basis. Yields shown are averages of four or more replicated plots at each location. Plots were machine harvested and grain moisture determinations (with the exception of the Wyoming site) were made with an electronic moisture meter or moisture sensors on the combine.

Variations in soil fertility, moisture conditions, and other factors are found in each test area. This makes it impossible to measure yielding ability of hybrids with absolute accuracy. For this reason, small yield differences have little meaning. A statistical measure of differences required for significance is given in each table. These differences are computed at the 5% level of significance. At the 5% level, a difference of that magnitude would be expected once in twenty trials through chance alone. Most fields have some degree of spatial variability. We make every effort to remove the variability by blocking and using other experimental design methods. We also use statistical procedures to remove a portion of the spatial variability.

In these experiments, many hybrids statistically had the same grain production. Performance of hybrids vary with seasonal conditions. Great care should be used in interpreting the results of a single year test. Earlier maturing hybrids are favored in some seasons while later ones perform best in other years. In addition, some hybrids are able to withstand unfavorable weather conditions better than others which may do well under ideal growing conditions. Performance over a period of years should give a much better measure of adaptation whenever available. Harvest moisture, stalk strength, and resistance to insect and disease also are factors which must be considered in selecting hybrids.

RESULTS AT INDIVIDUAL LOCATIONS

Relative hybrid performance often varies with locations within zones. In zone analysis, the hybrid by location mean square was used to calculate the differences required for significance shown in the tables. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs although this year the grain was all quite dry at harvest.

East-Central District:

Two rainfed tests were planted in Butler and Otoe Counties. (pages 18-19)

- The Butler County rainfed test was planted on April 29th at a population of 21,420 plants/acre. It was harvested on October 27th, with an average yield of 205.6 bu/a. There were 46 varieties entered in this rainfed test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC64-69	213.2
Farm Entry 2	Dekalb	DKC62-54	203.6
Farm Entry 3	Dekalb	DKC55-24	194.1
Farm Entry 4	Croplan	6531VT3	180.8
Farm Entry 5	Croplan	6926VT3	199.2

- The Otoe County rainfed test was planted on May 3rd at a population of 21,440 plants/acre. It was harvested on October 18th and 19th.with an average yield of 190.9 bu/a. There were 46 varieties entered in this rainfed test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Hoegemeyer	9679HX/LL	191.8
Farm Entry 2	Hoegemeyer	8691HX/LL/RR	198.9
Farm Entry 3	Hoegemeyer	9777HX/LL	199.2
Farm Entry 4	Hoegemeyer	8359GT	192.1
Farm Entry 5	Dekalb	DKC62-54	179.7

Southeast District:

Two irrigated tests were planted in Hamilton and York Counties. (pages 20-21)

- The Hamilton County irrigated test was planted on April 27th at a population of 28,260 plants/acre. It was harvested on October 20th and 21st, with an average yield of 247 bu/a. There were 55 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC64-69	270.7
Farm Entry 2	Dekalb	DKC64-83	250.3
Farm Entry 3	Dekalb	DKC64-42	246.2
Farm Entry 4	Dekalb	DKC63-84	275.1
Farm Entry 5	Pioneer	P1173HR	260.0

- The York County irrigated test was planted on April 27th at a population of 27,110 plants/acre. It was harvested on October 22nd and 23rd, with an average yield of 201 bu/a. There were 54 varieties entered in this irrigated test. There were four farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC64-69	181.8
Farm Entry 2	Dekalb	DKC64-83	192.1
Farm Entry 3	Dekalb	DKC63-42	211.7
Farm Entry 4	Pioneer	P1173HR	200.5

South-Central District:

There were two rainfed tests planted in Gage and Harlan Counties as well as two irrigated tests planted at Clay and Phelps Counties. (pages 22-25)

- The Gage County rainfed test was planted on April 28th at a population of 19,980 plants/acre. It was harvested on October 25th, with an average yield of 170.4 bu/a. There were 53 varieties entered in this rainfed test. There were four farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC64-69	178.7
Farm Entry 2	Dekalb	DKC62-54	185.5
Farm Entry 3	Dekalb	DKC63-84	201.8
Farm Entry 4	Dekalb	DKC62-97	172.6
Farm Entry 5	Pioneer	P1173	166.8

- The Harlan County Ecofallow rainfed test was planted on May 28th at a population of 18,990 plants/acre. It was harvested on October 29th, with an average yield of 142.7 bu/a. There were 53 varieties entered in this rainfed test. There were five farm

Continued on page 4

Continued from page 3

entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC53-45	148.7
Farm Entry 2	Mycogen	2T77	142.9
Farm Entry 3	Pioneer	P1173HR	141.2
Farm Entry 4	Pioneer	P0778HR	145.5
Farm Entry 5	Pioneer	P0778HR	141.5

- The Clay County irrigated test was planted on April 29th at a population of 28,270 plants/acre. It was harvested on October 28th, with an average yield of 223.5 bu/a. There were 55 varieties entered in this irrigated test.
- The Phelps County irrigated test was planted on April 28th at a population of 28,790 plants/acre. It was harvested on October 8th, with an average yield of 207.1 bu/a. There were 55 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Pioneer	33D49	224.1
Farm Entry 2	Pioneer	P1625HR	219.4
Farm Entry 3	Pioneer	P1395R	224.3
Farm Entry 4	Pioneer	33P84	226.4
Farm Entry 5	Pioneer	P1173HR	219.4

North/Northeast District:

There was one rainfed test planted in Dixon County as well as three irrigated tests planted in Dixon, Holt, and Pierce Counties. (pages 26-32)

- The Dixon County rainfed test was planted on May 4th at a population of 19,980 plants/acre. It was harvested on October 20th, with an average yield of 170.4 bu/a. There were 28 varieties entered in this rainfed test.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	LG Seeds	2549RR	181.7
Farm Entry 2	Pioneer	P1173HR	189.3
Farm Entry 3	Pioneer	35F40	197.7

- The Dixon County irrigated test was planted on May 3rd at a population of 28,270 plants/acre. It was harvested on October 22nd, with an average yield of 223.5 bu/a. There were 42 varieties entered in this irrigated test.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	LG Seeds	2549RR	195.4
Farm Entry 2	Pioneer	P1173HR	239.5
Farm Entry 3	Stine	9726VT3	203.2
Farm Entry 4	Kruger	K6408	220.6

- The Holt County irrigated test was planted on April 22nd at a population of 28,790 plants/acre. It was harvested on October 14th, with an average yield of 207.1 bu/a. There were 24 varieties entered in this irrigated test. There were three farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Kruger	7207	197.0
Farm Entry 2	Kruger	9205	181.0
Farm Entry 3	Kruger	9209	207.6

- The Pierce County irrigated test was planted on April 29th at a population of 28,790 plants/acre. It was harvested on October 22nd, with an average yield of 207.1 bu/a. There were 19 varieties entered in this irrigated test.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Stine	9806VT3	191.2
Farm Entry 2	Stine	9528VT3	172.3
Farm Entry 3	LG Seeds	2549RR	176.6

Southwest District:

Two irrigated tests were planted in Dawson and Dundy Counties. (page 34)

- The Dawson County irrigated test was planted on April 28th at a population of 31,370 plants/acre. It was harvested on October 19th, with an average yield of 231 bu/a. There were 17 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC62-63	224.5
Farm Entry 2	Pioneer	33P83	225.5
Farm Entry 3	Dekalb	DKC59-35	226.0
Farm Entry 4	Dekalb	DKC58-19	208.2
Farm Entry 5	Dekalb	DKC64-79	237.4

- The Dundy County irrigated test was planted on May 3rd at a population of 30,780 plants/acre. It was harvested on October 19th, with an average yield of 212.9 bu/a. There were 17 varieties entered in this irrigated test.

West Central District:

Two irrigated tests were planted in Buffalo and Red Willow Counties. (pages 33-34)

- The Buffalo County irrigated test was planted on April 21st at a population of 29,740 plants/acre. It was harvested on October 15th, with an average yield of 262.6 bu/a. There were 40 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC64-69	251.1
Farm Entry 2	Dekalb	DKC64-83	265.3
Farm Entry 3	Pioneer	P1173HR	291.0
Farm Entry 4	Pioneer	33P84	279.6
Farm Entry 5	Pioneer	33P84	275.2

- The Red Willow County irrigated test was planted on April 21st at a population of 30,120 plants/acre. It was harvested on October 21st, with an average yield of 251.4 bu/a. There were 40 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Pioneer	33 D 49	284.9
Farm Entry 2	Pioneer	33 P 84	270.6
Farm Entry 3	Hoegemeyer	8333 LTRR	237.9
Farm Entry 4	Dekalb	DKC58-16	249.1
Farm Entry 5	Dekalb	DKC54-20	249.7

Central District:

Two irrigated tests were planted in Custer and Lincoln Counties. (pages 35-36)

- The Custer County irrigated test was planted on April 22nd at a population of 29,390 plants/acre. It was harvested on October 22nd, with an average yield of 227.3 bu/a. There were 44 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	Dekalb	DKC55-74	226.3
Farm Entry 2	Dekalb	DKC62-61	222.5
Farm Entry 3	Pioneer	33D49	240.4
Farm Entry 4	Pioneer	33P84	228.2
Farm Entry 5	Dekalb	DKC54-20	206.8

- The Lincoln County irrigated test was planted on April 20th at a population of 30,780 plants/acre. It was harvested on November 2nd, with an average yield of 203.5 bu/a. There were 44 varieties entered in this irrigated test. There were five farm entries which are listed below.

Entry	Company	Variety	Yield (bu/a)
Farm Entry 1	DynaGro	4993 VT3	182.7
Farm Entry 2	NK	N 61-P 30006T	208.9
Farm Entry 3	Kruger	G208 VT3	199.8
Farm Entry 4	Dekalb	DKC61-35 VT3P	211.7
Farm Entry 5	Pioneer	33D49	209.2

West District:

There was one irrigated test planted in Goshen County, Wyoming. (Page 36)

- The Goshen County, WY irrigated test was planted on May 6th at a population of 27560 plants/acre. It was harvested on November 1st, with an average yield of 171.9 bu/a. There were 11 varieties entered in this irrigated test.

CULTURAL PRACTICES

Buffalo County: Irrigated; Previous crop: Soybean; Conventional tillage; Fertilizer: Preplant Sidedress: 215 lb N, 40 lb P, 10 lb S; Herbicide: 2 qt. Lexar (4/10/10).

Butler County: Rainfed; Previous Crop: Soybean; No-till; Fertilizer: 140 lb N; Herbicide: 2 qt. Lexar.

Clay County: Pivot Irrigated; Previous crop: Soybean; Disc/Field Cultivated; Fertilizer: 160 lb actual N; 8 gal/a 10-34-0; Herbicide: 2.5 qt. Bicep II Magnum

Custer County: Irrigated; Previous crop: Corn; Conventional tillage; Fertilizer: Preplant: 30 lb N, At Planting: 10 lb N, 50 lb P, 10 lb S, 1 lb Zn; Herbicide: 13 oz. Integrity (4/20/10)

Dawson County: Irrigated; Previous crop: Corn; No-till; Fertilizer: 180 lb N, 35 lb P; Herbicide: 16 oz. glyphosate, 20 oz. glyphosate; Insecticide: 8 oz/1000 ft. of row Lorsban.

Dundy County: Irrigated; Previous crop: Corn; Conventional tillage; Fertilizer: Applied at planting, side-dress, and through pivot; Herbicide: Pre and post emergence.

Dixon County (Irrigated): Irrigated; Previous crop: Soybean; No-till; Fertilizer: 200 lb actual N; Herbicide: Lumax + glyphosate (early post)

Dixon County (Rainfed): Rainfed; Previous crop: Soybean; No-till; Fertilizer: 110 lb actual N; Herbicide: Balance PRO 1.5 oz + atrazine 1.5 pt + glyphosate PRE, glyphosate POST

Gage County: Rainfed; Previous crop: Soybean; No-till; Fertilizer: 95 lb N; 27 lb P; 4 lb S; 0.5 lb Zn; Herbicide: 2 qt. Parallel Plus, 2 oz. Callisto.

Goshen County, WY: Irrigated; Fertilizer: 190 lb N, 50 lb P, 20 lb S (4/13/10); Herbicide: 5 oz. Status + 32%UAN + NIS (6/18/10)

Hamilton County: Pivot irrigated; Previous Crop: Soybean; No-till; Fertilizer: 180 lb actual N

Harlan County: Ecofallow Rainfed; Previous crop: Winter wheat; No-till.

Holt County: Irrigated; Previous crop: Corn; Conventional tillage; Fertilizer: 130 lb 11-28-12-6S, 8.2 gal 32-0-0, 9.2 gal 30-0-0-3S, 100 lb NH3, 11.3 gal 24-0-0-10S; Herbicide: Bicep 1.8 qt PPI fb glyphosate (post)

Lincoln County: Irrigated; Previous crop: Soybean; No-till; Fertilizer: Preplant 200 lb N; Herbicide: Pre: 2.5 qt. Lumax + 1 lb Atrazine + 0.5 pt. Banvel.

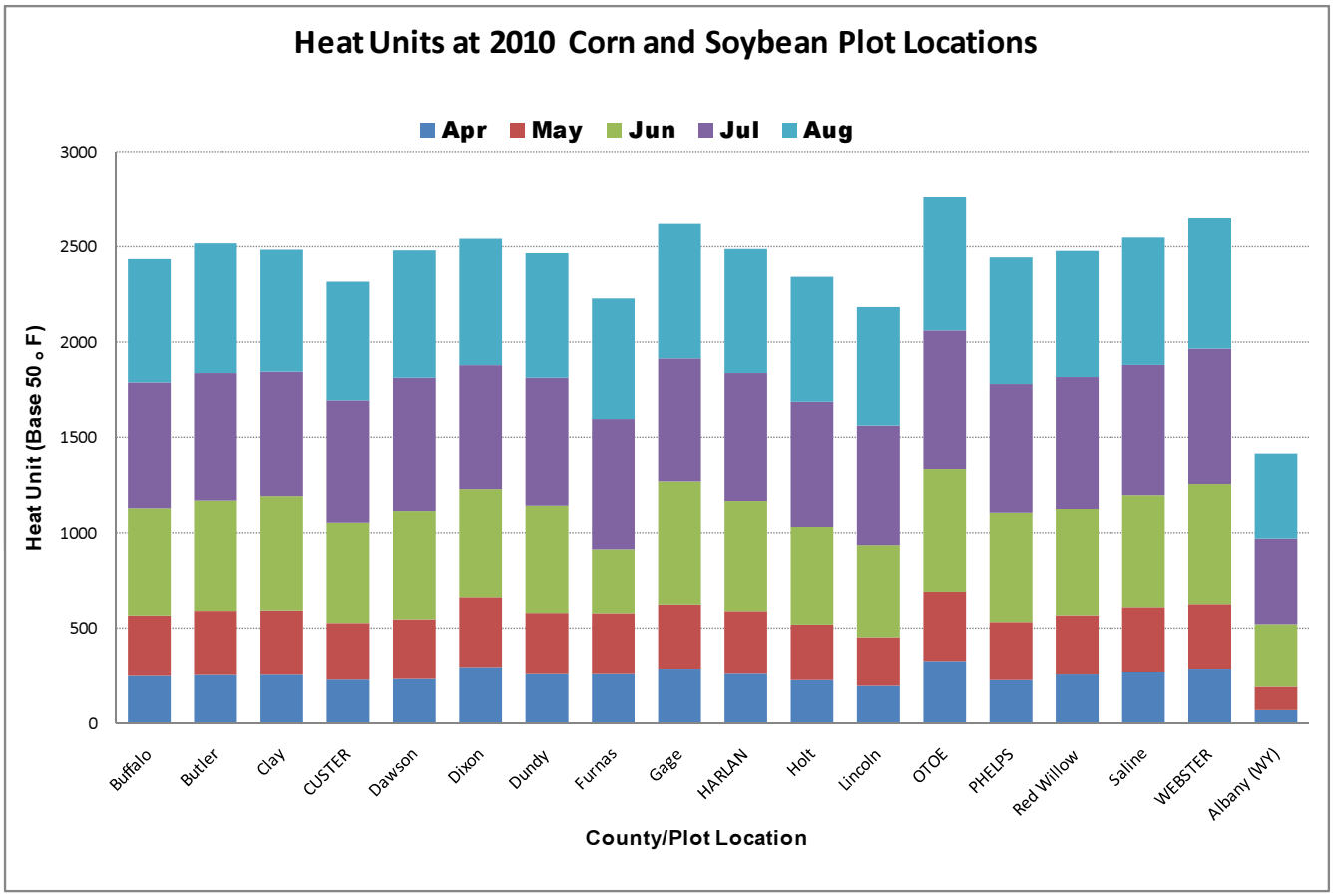
Phelps County: Gravity Irrigated; Previous crop: Soybean; Ridge till; Fertilizer: Pre: 106 lb N, 20 lb P, At planting: 6 lb N, 20 lb P, Post: 63 lb N; Herbicide: 10 oz. Radius + 1 lb atrazine; Insecticide: 7 oz. Capture.

Otoe County: Rainfed; Previous Crop: Soybean; No-till; Fertilizer: 120 lb actual N; Herbicide: 3 qt. Lexar + 1 qt. atrazine.

Pierce County: Irrigated; Previous Crop: Soybean; No-till; Fertilizer: 180 lb N, 35 lb P, 75 lb K, 30 lb S, 10 lb Mn, 0.5 lb Zn; Herbicide: Halex GT + 1.25# atrazine Pre fb glyphosate Post

Red Willow County: Drip irrigated; Previous crop: Soybean; Conventional tillage; Fertilizer: Pre: 175 lb N, 100 lb P; At planting: 3 lb N, 3 lb P; Herbicide: 1 qt glyphosate (4/28/10); 1.5 qt Bicep II Magnum (5/15/10).

York County: Pivot irrigated; Previous Crop: Soybean; Ridge till; Fertilizer: 155 lb NH3; Herbicide: 2 qt. Lexar; Headline was applied to crop after tassel.


Heat Units at 2010 Corn and Soybean Plot Locations
Apr
May
Jun
Jul
Aug
Heat Unit (Base 50 ₒ F)
3000
2500
2000
1500
1000
500
0
Buffalo
Butler
Clay
CUSTER
Dawson
Dixon
Dundy
Furnas
Gage
HARLAN
Holt
Lincoln
OTOE
PHELPS
Red Willow
Saline
WEBSTER
Albany (WY)
County/Plot Location

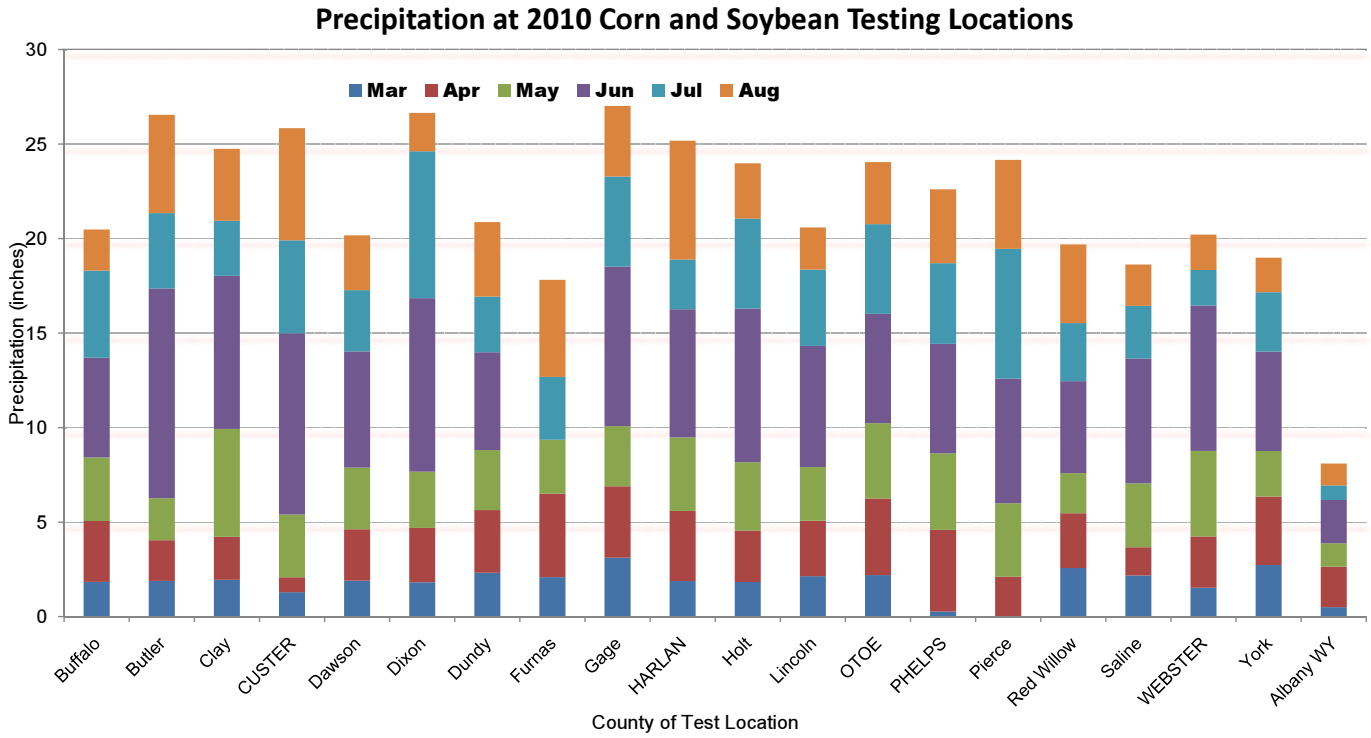

Precipitation at 2010 Corn and Soybean Testing Locations
Mar
Apr
May
Jun
Jul
Aug
Precipitation (inches)
30
25
20
15
10
5
0
Buffalo
Butler
Clay
CUSTER
Dawson
Dixon
Dundy
Furnas
Gage
HARLAN
Holt
Lincoln
OTOE
PHELPS
Pierce
Red Willow
Saline
WEBSTER
York
Albany WY
County of Test Location

Table A. Locations, Cooperators, Planting and Harvest Dates of Nebraska Corn Test Plots in 2010

Location	Cooperator	Planted	Harvested	Longitude	Latitude
Southeast Rainfed					
Butler County	Jan Fricke; Ulysses, NE	4/29/10	10/27/10	-97.23	41.22
Otoe County	John James; Union, NE	5/3/10	10/19/10	-95.94	40.78
Southeast Irrigated					
Hamilton County	Mike Danhauer; Aurora, NE	4/27/10	10/21/10	-97.96	41.05
York County	Jerry Stahr; York, NE	4/27/10	10/23/10	-97.53	40.89
South Central Rainfed					
Gage County	Scott Kepke; Clatonia, NE	4/28/10	10/25/10	-96.88	40.47
Harlan County (Ecofallow)	Greg Christensen; Orleans, NE	5/28/10	10/29/10	-99.43	40.03
South Central Irrigated					
Clay County	UNL SCREC; Harvard, NE	4/29/10	10/28/10	-98.14	40.57
Phelps County	Dennis Sand; Bertrand, NE	4/28/10	10/8/10	-99.56	40.57
Northeast Rainfed					
Dixon County	UNL Haskell Ag Lab; Concord, NE	5/4/10	10/20/10	-96.95	42.38
West Irrigated					
Goshen County, WY	SAREC, West Torrington, WY	5/6/10	11/1/10	-104.24	42.08
North/Northeast Irrigated					
Dixon County	UNL Haskell Ag Lab; Concord, NE	5/3/10	10/22/10	-96.96	42.39
Holt County	Jess Miner, O'Neill, NE	4/22/10	10/14/10	-98.76	42.50
Pierce County	Joel Carpenter, Pierce, NE	4/29/10	10/22/10	-97.82	42.20
West Central Irrigated					
Buffalo County	Bill Stauffer; Elm Creek, NE	4/21/10	10/15/10	-99.33	40.71
Red Willow County	Cappel Farms; McCook, NE	4/21/10	10/21/10	-100.74	40.22
Southwest Irrigated					
Dawson County	Mark Albrect; Cozad, NE	4/28/10	10/30/10	-100.00	40.80
Dundy County	Shad & Jerry Stamm; Benkelman, NE	5/3/10	10/19/10	-101.39	40.12
Central Irrigated					
Custer County	Don Cantrell; Merna, NE	4/22/10	10/22/10	-99.82	41.53
Lincoln County	UNL WCREC; North Platte, NE	4/20/10	11/2/10	-100.46	41.05

Table B. Soil Type and Cultural Practices at 2010 Corn Trial Sites

Location	Soil Type	Tillage	Previous Crop	Fertilizer	Herbicide	Other
Southeast Rainfed						
Butler County	Hastings silt loam	No-till		140 lb N	2 qt. Lexar	---
Otoe County	Aksarben silty clay loam	No-till	Soybean	120 lb actual N	3 qt. Lexar + 1 qt atrazine	---
Southeast Irrigated						
Hamilton County	Uly silt loam	No-till	Soybean	180 lb actual N	---	---
York County	Hastings silt loam	Ridge till	Soybean	155 lb NH3	2 qt. Lexar	Headline after tassel
South Central Rainfed						
Gage County	Wymore silty clay loam	No-till	Soybean	95 lb N; 27 lb P; 4 lb S; 0.5 lb Zn	2 qt. Parallel Plus; 2 oz. Callisto	---
Harlan County (Ecofallow)	Holdrege silt loam	No-till	Winter wheat	---	---	---
South Central Irrigated						
Clay County	Crete silt loam	Disc/Field Cultivated	Soybean	160 lb actual N; 8 gal/a 10-34-0	2.5 qt. Bicep II Magnum	---
Phelps County	Holdrege silt loam	Ridge till	Soybean	Pre: 106 lb N, 20 lb P; At planting: 6 lb N, 20 lb P; Post: 63 lb N	10 oz. Radius + 1 lb atrazine	Insecticide: 7 oz. Capture
West Irrigated						
Goshen County, WY	Haverson & McCook loams	---	---	190 lb N, 50 lb P, 20 lb S (4/13/10)	5 oz. Status + 32%UAN + NIS (6/18/10)	---
Northeast Rainfed						
Dixon County	Silty clay loam	No-till	Soybean	110 lb actual N	Balance PRO 1.5 oz + atrazine 1.5 pt + glyphosate PRE, glyphosate POST	---
North/Northeast Irrigated						
Dixon County	Silty clay loam	No-till	Soybean	200 lb actual N	Lumax + glyphosate (early post)	---
Holt County	Loam	Conventional	Corn	130 lb 11-28-12-6S, 8.2 gal 32-0-0, 9.2 gal 30-0-0-3S, 100 lb NH3, 11.3 gal 24-0-0-10S	Bicep 1.8 qt PPI fb glyphosate (post)	---
Pierce County	Sandy loam	No-till	Soybean	180 lb N, 35 lb P, 75 lb K, 30 lb S, 10 lb Mn, 0.5 lb Zn	Halex GT + 1.25# atrazine Pre fb glyphosate Post	
West Central Irrigated						
Buffalo County	Cozad silt loam	Conventional	Soybean	Preplant Sidedress: 215 lb N, 40 lb P, 10 lb S	2 qt. Lexar (4/10/10)	---
Red Willow County	Hord silt loam	Conventional	Soybean	Pre: 175 lb N, 100 lb P; At planting: 3 lb N, 3 lb P	1 qt glyphosate (4/28/10); 1.5 qt Bicep II Magnum (5/15/10)	---
Southwest Irrigated						
Dawson County	Hord silt loam	No-till	Corn	180 lb N, 35 lb P	16 oz. glyphosate, 20 oz. glyphosate	Insecticide: 8 oz /1000 ft. of row Lorsban
Dundy County	Jayhem loamy sand	Conventional	Corn	Applied at planting, sidedress, and through pivot	Early and post emergence	---
Central Irrigated						
Custer County	Graybert very fine sandy loam	Conventional	Corn	Preplant: 30 lb N; At Planting: 10 lb N, 50 lb P, 10 lb S, 1 lb Zn	13 oz. Integrity (4/20/10)	---
Lincoln County	Cozad silt loam	No-till	Soybean	Preplant 200 lb N	Pre: 2.5 qt. Lumax + 1 lb Atrazine + 0.5 pt. Banvel	---

Table C. Average Performance of Corn Entries at Each Test Location - 2010

Location	Row Spacing (in.)	Plant Population	Yield LSD	Yield (bu/a, 15%)	Harvest Moisture (%)	Bushel Weight (lb/bu)	EPV ($)
East Central Rainfed							
Butler County	30	21420	29.0	205.6	12.0	56.5	749.2
Otoe County	30	21440	17.9	190.9	12.5	55.5	695.0
Southeast Irrigated							
Hamilton County	30	28260	26.6	247.0	12.4	56.8	895.8
York County	30	27110	30.6	201.1	12.5	56.9	731.1
South Central Irrigated							
Clay County	30	28270	25.3	223.5	12.3	56.7	811.47
Phelps County	36	28790	21.6	207.1	13.9	59.2	740.2
South Central Rainfed							
Gage County	30	19980	19.9	170.4	11.9	56.4	621.7
Harlan County (Ecofallow)	30	18990	18.6	142.7	13.1	61.8	513.7
Northeast Irrigated							
Dixon County	30	29780	20.7	218.4	14.8	37.3	1262.2
Holt County	30	29400	19.6	199.6	14.4	58.6	1157.8
Pierce County	30	29490	22.2	188.0	13.7	56.7	1096.3
Northeast Rainfed							
Dixon County	30	24460	19.6	194.2	14.9	56.7	1121.7
Southwest Irrigated							
Dawson County	30	31370	15.8	231.3	14.7	59.7	818.0
Dundy County	30	30780	21.2	212.9	14.3	59.3	756.63
West Central Irrigated							
Buffalo County	30	29740	21.9	262.6	14.5	59.4	930.8
Red Willow County	36	30120	23.9	251.4	13.2	60.7	905.6
Central Irrigated							
Custer County	30	29390	16.7	227.3	15.3	57.7	797.9
Lincoln County	30	30780	16.9	203.5	14.1	60.8	723.8
West Irrigated							
Goshen County, WY	30	27560	28.3	171.9	---	---	601.6

Table D. 2010 Corn Entrant Brand and Hybrids Overview

Brand	Hybrids Entered
AgriGold	A6384VT3PRO, A6421STX, A6458VT3, A6476VT3, A6533VT3, A6553VT3
Dyna-Gro Seed	54V29, 54V78, 55V24, 56R60, 57V07, 57V21, 57V40, 57V59, CX10112, CX10605, D32RR29, D44SS49, D49VP59, V4993VT3
G2 Genetics	1H-716 HX/LL, 1X-711 HXT/LL, 1X-716 HXT/LL, 5H-105 RR/HX, 5H-210 RR/HX, 5H-210A RR/HX, 5H-314 RR/HX, 5H-506 RR/HX, 5H-509 RR/HX, 5H-511 RR/HX, 5H-511A RR/HX, 5H-513 RR/HX, 5H-513A RR/HX, 5H-515 RR/HX, 5H-515A RR/HX, 5H-516 RR/HX, 5H-607 RR/HX, 5H-608 RR/HX, 5H-615 RR/HX, 5H-712 RR/HX, 5H-716 RR/HX, 5H-905 RR/HX, 5H-906 RR/HX, 5X-007 RR/HXT, 5X-206 RR/HXT, 5X-411 RR/HXT, 5X-411A RR/HXT, 5X-515 RR/HXT, 5X-614 RR/HXT, 5X-716 RR/HXT, 5X-903 RR/HXT, 5X-905 RR/HXT, 5X-908 RR/HXT
Heine	H810VT3PRO, H816VT3, H817VT3, H826VT3, H842VT3, H852VT3, H854VT3
Kruger	K-6008VT3, K-6110VT3, K-6408VT3, K-6510VT3
LG seeds	LG2460RR, LG2547VT3, LG2549VT3, LG2555VT3, LG2616VT3, LG2620VT3, LG2641VT3
Master's Choice	MCT583-3000GT
Midland-Phillips	702AG, 703VT3, 715GTCBLL, 723AG, 789AG, 795VT3
Nu Tech	0C-213 YGCB, 3A-710 GT, 3A-715 GT, 3C-213 RR/YGCB, 3C-413 RR/YGCB, 3T-110 VT3, 3T-315 VT3, 3T-413 VT3, 3T-713 VT3, 3T-810 VT3, 3T-914 VT3, 5B-612 GT/CB/LL, 5N-215 GT/CB/LL/RW, 5N-813 GT/CB/LL/RW
Premium Seed	P249RR, P257RR
Stine	9728VT3Pro, 9806VT3
Sylvester	451GT, 481PRW, 531BRW, 641BLGW, 779BRW
Triumph	1217CB, 1420X, 1601X, 7514S, 9220R, 9502CBRR, 9502S, 9811X
Unity Seeds	7208GT, 7510A-3000GT

Table E. 2010 Corn Entry Brand, Hybrid and Technology Details

Brand	Hybrid	Days to maturity	Growing DD	Technology
AgriGold	A6533VT3	113	2765	P250, Vortex, Allegiance, Trilex
AgriGold	A6458VT3	110	2660	P250, Vortex, Allegiance, Trilex
AgriGold	A6384VT3PRO	106	2600	P250, Vortex, Allegiance, Trilex
AgriGold	A6421STX	108	2690	P250, Vortex, Allegiance, Trilex
AgriGold	A6476VT3	111	2700	P250, Vortex, Allegiance, Trilex
AgriGold	A6553VT3	113	2765	P250, Vortex, Allegiance, Trilex
Dyna-Gro Seed	57V07	114	2845	VT3 Poncho 250
Dyna-Gro Seed	57V21	114	2855	VT3 Poncho 250
Dyna-Gro Seed	54V78	96	2375	VT3 Poncho 250
Dyna-Gro Seed	54V29	97	2385	VT3 Poncho 250
Dyna-Gro Seed	V4993VT3	109	2700	VT3 Poncho 250
Dyna-Gro Seed	57V40	111	2755	VT3 Poncho 250
Dyna-Gro Seed	D32RR29	92	2300	RR2 Poncho 250
Dyna-Gro Seed	55V24	102	2505	VT3 Poncho 250
Dyna-Gro Seed	D44SS49	104	2515	SmartStax Acceleron
Dyna-Gro Seed	CX10605	105	2545	GT Poncho 250
Dyna-Gro Seed	56R60	108	2675	RR/HXT Xtra Poncho 250
Dyna-Gro Seed	D49VP59	109	2695	VT3 Pro Poncho 250
Dyna-Gro Seed	CX10112	112	2765	SmartStax Acceleron
Dyna-Gro Seed	57V59	114	2835	VT3 Poncho 250
G2 Genetics	5H-506 RR/HX	106	---	RR/HX1/LL C250
G2 Genetics	5H-314 RR/HX	114	---	RR/HX1/LL C250
G2 Genetics	1H-716 HX/LL	116	---	HX1/LL C250
G2 Genetics	5X-905 RR/HXT	105	---	RR/HXT/LL C250
G2 Genetics	5H-210 RR/HX	110	---	RR/HX1/LL C250
G2 Genetics	5H-210A RR/HX	110	---	RR/HX1/LL C250
G2 Genetics	5H-511 RR/HX	111	---	RR/HX1/LL C250
G2 Genetics	5X-614 RR/HXT	114	---	RR/HXT/LL C250
G2 Genetics	5H-615 RR/HX	115	---	RR/HX1/LL C250
G2 Genetics	5X-716 RR/HXT	116	---	RR/HXT/LL C250
G2 Genetics	5X-903 RR/HXT	103	---	RR/HXT/LL C250
G2 Genetics	5H-105 RR/HX	105	---	RR/HX1/LL C250
G2 Genetics	5H-905 RR/HX	105	---	RR/HX1/LL C250
G2 Genetics	5X-206 RR/HXT	106	---	RR/HXT/LL C250
G2 Genetics	5H-906 RR/HX	106	---	RR/HX1/LL C250
G2 Genetics	5X-007 RR/HXT	107	---	RR/HXT/LL C250
G2 Genetics	5H-607 RR/HX	107	---	RR/HX1/LL C250
G2 Genetics	5H-608 RR/HX	108	---	RR/HX1/LL C250
G2 Genetics	5X-908 RR/HXT	108	---	RR/HXT/LL C250
G2 Genetics	5H-509 RR/HX	109	---	RR/HX1/LL C250
G2 Genetics	5X-411 RR/HXT	111	---	RR/HXT/LL C250
G2 Genetics	5X-411A RR/HXT	111	---	RR/HXT/LL C250
G2 Genetics	5H-511A RR/HX	111	---	RR/HX1/LL C250
G2 Genetics	1X-711 HXT/LL	111	---	HXT/LL C250
G2 Genetics	5H-712 RR/HX	112	---	RR/HX1/LL C250
G2 Genetics	5H-513 RR/HX	113	---	RR/HX1/LL C250
G2 Genetics	5H-513A RR/HX	113	---	RR/HX1/LL C250
G2 Genetics	5H-515 RR/HX	115	---	RR/HX1/LL C250
G2 Genetics	5H-515A RR/HX	115	---	RR/HX1/LL C250
G2 Genetics	5X-515 RR/HXT	115	---	RR/HXT/LL C250
G2 Genetics	5H-516 RR/HX	116	---	RR/HX1/LL C250
G2 Genetics	1X-716 HXT/LL	116	---	HXT/LL C250
G2 Genetics	5H-716 RR/HX	116	---	RR/HX1/LL C250
Heine	H810VT3PRO	---	---	---
Heine	H852VT3	---	---	---
Heine	H816VT3	---	---	---
Heine	H817VT3	---	---	---

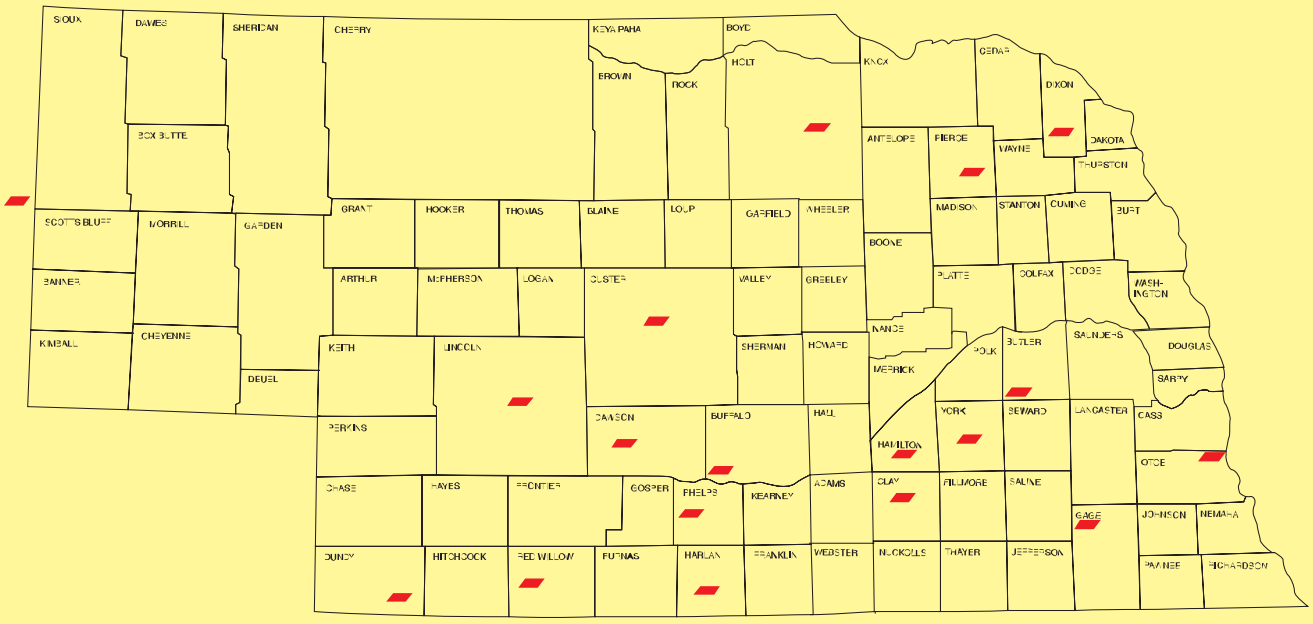
Table E. 2010 Corn Entry Brand, Hybrid and Technology Details, Continued

Brand	Hybrid	Days to maturity	Growing DD	Technology
Heine	H826VT3	---	---	---
Heine	H842VT3	---	---	---
Heine	H854VT3	---	---	---
Kruger	K-6008VT3	---	---	---
Kruger	K-6408VT3	---	---	---
Kruger	K-6110VT3	---	---	---
Kruger	K-6510VT3	---	---	---
LG Seeds	LG2641VT3	114	2700	VT3 Poncho 250
LG Seeds	LG2620VT3	113	2700	VT3 Poncho 250
LG Seeds	LG2547VT3	---	---	---
LG Seeds	LG2555VT3	111	2600	VT3 Poncho 250
LG Seeds	LG2616VT3	112	2650	VT3 Poncho 250
LG Seeds	LG2549VT3	110	2600	VT3 Poncho 250
LG Seeds	LG2460RR	95	2365	RR Poncho 250
Masters Choice	MCT583-3000GT	---	---	GT
Midland-Phillips	703VT3	108	2540	VT3
Midland-Phillips	795VT3	112	2820	VT3
Midland-Phillips	789AG	114	2850	VT3
Midland-Phillips	702AG	104	2540	AG3000
Midland-Phillips	723AG	110	2820	AG3000
Midland-Phillips	715GTCBLL	112	2850	GT-CB
Nu Tech Seed	0C-213 YGCB	113	---	YGCB C250
Nu Tech Seed	3T-110 VT3	110	---	VT3 C250
Nu Tech Seed	3C-213 RR/YGCB	113	---	RR/YGCB C250
Nu Tech Seed	3T-315 VT3	115	---	VT3 C250
Nu Tech Seed	3T-413 VT3	113	---	VT3 C250
Nu Tech Seed	3T-713 VT3	113	---	VT3 C250
Nu Tech Seed	3A-710 GT	110	---	GT C250
Nu Tech Seed	3T-810 VT3	110	---	VT3 C250
Nu Tech Seed	5B-612 GT/CB/LL	112	---	GT/CB/LL C250
Nu Tech Seed	3C-413 RR/YGCB	113	---	RR/YGCB C250
Nu Tech Seed	5N-813 GT/CB/LL/RW	113	---	CT/CB/LL/RW C250
Nu Tech Seed	3T-914 VT3	114	---	VT3 C250
Nu Tech Seed	5N-215 GT/CB/LL/RW	115	---	GT/CB/LL/RW C250
Nu Tech Seed	3A-715 GT	115	---	GT C250
Premium Seed	P249RR	112	---	Max. XL/ Lorsban
Premium Seed	P257RR	113	---	Maxim XL/ Lorsban
Stine	9728VT3Pro	113	2580	Poncho 250 Seed Treatment
Stine	9806VT3	114	2690	Poncho 250 Seed Treatment
Sylvester	779BRW	115	2840	VT3
Sylvester	531BRW	111	2720	VT3
Sylvester	481PRW	110	2620	VT3P
Sylvester	451GT	109	2610	GT
Sylvester	641BLGW	113	2690	CB,LL,GT,RW
Triumph	9502CBRR	---	---	---
Triumph	9220R	92	---	RR Corn 2 Cruiser 250
Triumph	9811X	---	---	HXI/RR Cruiser 250
Triumph	1420X	114	---	Heruculex Extra/RR Cruiser 250
Triumph	TRX01217Bt	112	---	Yield Guard Corn Borer Cruiser 250
Triumph	7514S	114	---	Smart Stax Cruiser 250
Triumph	TRX01601X	116	---	Heruculex Extra/RR Cruiser 250
Triumph	9502S	95	---	Smart Stax Cruiser 250
Unity Seeds	7208GT	108	2570	GT
Unity Seeds	7209GT	109	2605	GT
Unity Seeds	7510A-3000GT	---	---	GT

Table F. 2010 Nebraska Corn Performance Test Entrants

Brand Name	Entrant	Address	Contact
Agrigold	Agrigold Hybrids	5381 Akin Road, St. Francisville, IL 62460	Justin Warren
Dyna-Gro Seeds	Dyna-Gro Seeds	P.O. Box 2050, Kearney, NE 68848	Dave Welch
G2 Genetics	G2 Genetics	Marketing and Corn Research Headquarters 415 South Duff Ave., Suite C, Ames IA 50010	Dennis Ewing
Heine Hybrids	Heine Hybrids	1020 E. 320th St, Vermillion, SD 57069	Todd Heine
Kruger	Kruger Seed Company	33938 160th Ave, Dike, IA 50624	Dan Johnson
LG Seeds	LG Seeds	22827 Shissler Rd, Elmwood, IL 61529	Leonard Luebker
Masters Choice	Masters Choice	3010 State Rt 146 E, Anna, IL 62906	Danny Smith
Midland-Phillips	Midland-Phillips	980 Hwy 15, Hope, KS 67451	Don Phillips
Nu Tech	Nu Tech Seed LLC.	Marketing and Corn Research Headquarters 415 South Duff Ave., Suite C, Ames IA 50010	Jessie Betting
Premium Seed	Premium Seed, Inc.	P.O. Box 218-1028 130th St, Berwick, IL 61417	Betty M. Shaw
Stine	Stine Seed Company	2225 Laredo Trail, Adel, IA 50003	Richard J. Howe
Sylvester	Sylvester Ranch Inc.	1906 Kingman Rd. Ottawa KS 66067	Clyde Sylvester
Triumph	Triumph Seed Co., Inc.	P.O. Box 1050, Ralls, TX 79357	Ben Benton
Unity Seeds	Unity Seeds, LLC	3451 Wyndham Way, Suite A West Lafayette, IN 47960	Dale Peterson

2010 Corn Test Plot Locations



Southeast Rainfed Corn Hybrid Tests
Butler and Otoe Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Butler (bu/a)	Otoe (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
MIDLAND-PHILLIPS	795VT3	223	242	203	12.0	57.1
G2 GENETICS	5H-515 RR/HX	216	224	208	12.6	56.4
G2 GENETICS	5H-712 RR/HX	214	220	208	12.6	57.2
AgriGold	A6476VT3	212	243	181	11.9	55.3
G2 GENETICS	5H-515A RR/HX	212	223	200	12.7	57.4
G2 GENETICS	5X-614 RR/HXT	211	218	203	12.0	57.2
G2 GENETICS	5H-516 RR/HX	211	225	196	12.0	56.2
NUTECH SEED	3T-413 VT3	208	218	198	12.4	55.6
G2 GENETICS	5H-210 RR/HX	206	221	191	12.8	55.5
G2 GENETICS	5H-210A RR/HX	206	226	185	11.9	56.0
G2 GENETICS	5H-607 RR/HX	206	216	196	12.3	55.5
NUTECH SEED	0C-213 YGCB	206	188	223	12.8	55.9
G2 GENETICS	5H-615 RR/HX	205	208	201	12.5	56.8
NUTECH SEED	3A-710 GT	205	208	201	11.9	56.4
LG seeds	LG2555VT3	203	231	175	12.8	57.3
NUTECH SEED	5N-813 GT/CB/LL/RW	203	208	198	12.6	54.9
AgriGold	A6384VT3PRO	200	199	201	11.8	54.8
G2 GENETICS	5H-608 RR/HX	200	212	187	11.8	55.2
AgriGold	A6533VT3	199	214	184	11.9	56.0
AgriGold	A6458VT3	199	208	190	12.4	55.4
G2 GENETICS	5H-314 RR/HX	199	218	180	12.5	57.4
G2 GENETICS	5X-411A RR/HXT	199	202	195	12.9	56.9
NUTECH SEED	5B-612 GT/CB/LL	199	205	192	12.3	53.9
NUTECH SEED	3T-914 VT3	198	200	195	12.3	54.6
G2 GENETICS	5H-511A RR/HX	197	203	190	13.3	56.3
AgriGold	A6553VT3	194	198	189	12.3	55.2
MIDLAND-PHILLIPS	703VT3	194	185	202	12.0	56.2
MIDLAND-PHILLIPS	789AG	194	214	174	12.4	55.1
MIDLAND-PHILLIPS	723AG	194	214	173	12.3	57.3
G2 GENETICS	5H-511 RR/HX	193	199	186	12.3	56.9
MIDLAND-PHILLIPS	715GTCBLL	193	220	166	12.8	54.9
G2 GENETICS	5X-908 RR/HXT	192	193	191	12.0	55.5
MIDLAND-PHILLIPS	702AG	190	189	191	11.8	55.6
G2 GENETICS	5X-411 RR/HXT	189	185	192	12.5	57.1
Dyna-Gro	57V40	187	185	188	12.4	55.7
G2 GENETICS	5H-509 RR/HX	187	195	179	12.3	56.5
MASTERS CHOICE	MCT583-3000GT	187	185	189	12.4	55.3
AgriGold	A6421STX	186	189	182	11.9	56.0
NUTECH SEED	5N-215 GT/CB/LL/RW	184	186	181	11.9	55.8
NUTECH SEED	3T-713 VT3	183	184	182	12.8	56.2
Dyna-Gro	CX10605	172	169	175	12.3	54.2
Average		199	207	191	12.3	56.0
Difference required for significance (≤5%)		28	29	18	1.1	2.0

Southeast Rainfed Corn Hybrid Tests
Butler and Otoe Counties
2008 - 2010

		2 year averages		
BRAND	**HYBRID**	**Yield (bu/a)**	**Harvest Moisture (%)**	**Bushel Weight (lb/bu)**
G2 GENETICS	5H-210 RR/HX	193	14.2	55.5
NUTECH SEED	0C-213 YGCB	191	14.9	54.6
G2 GENETICS	5H-210A RR/HX	190	13.8	55.5
G2 GENETICS	5H-615 RR/HX	190	15.4	55.4
NUTECH SEED	3T-413 VT3	189	15.7	54.9
G2 GENETICS	5X-614 RR/HXT	188	14.8	56.5
AgriGold	A6533VT3	185	14.6	54.3
AgriGold	A6458VT3	184	14.3	53.9
G2 GENETICS	5H-314 RR/HX	184	15.4	56.8
MIDLAND-PHILLIPS	703VT3	183	15.7	55.9
G2 GENETICS	5H-511 RR/HX	181	15.0	56.3
Dyna-Gro	57V40	173	14.3	53.8
NUTECH SEED	3T-713 VT3	168	15.5	54.8
Average		**185**	**14.9**	**55.2**
Difference required for significance (≤5%)		**9**	**NS**	**1.7**
		3 year averages		
AgriGold	A6533VT3	187	16.3	54.6

Southeast Irrigated Corn Hybrid Tests
York and Hamilton Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	York (bu/a)	Harvest Hamilton (bu/a)	Bushel Moisture (%)	Weight (lb/bu)
G2 GENETICS	5H-515A RR/HX	255	237	273	13.7	57.5
MIDLAND-PHILLIPS	795VT3	249	229	268	12.7	57.2
MIDLAND-PHILLIPS	715GTCBLL	249	225	272	11.8	55.6
G2 GENETICS	5H-513A RR/HX	248	219	277	12.7	57.5
G2 GENETICS	5H-516 RR/HX	248	232	264	12.6	57.3
G2 GENETICS	5H-515 RR/HX	247	220	274	13.3	57.8
AgriGold	A6476VT3	244	215	272	12.4	57.4
G2 GENETICS	5X-515 RR/HXT	244	227	260	13.6	57.1
NUTECH SEED	5B-612 GT/CB/LL	243	223	262	12.0	54.6
Dyna-Gro	V4993VT3	240	233	246	12.0	56.0
G2 GENETICS	5H-513 RR/HX	240	205	275	12.6	57.8
NUTECH SEED	3C-413 RR/YGCB	239	209	269	12.4	56.4
G2 GENETICS	5H-210 RR/HX	238	203	272	12.0	57.1
G2 GENETICS	5H-615 RR/HX	238	211	264	12.6	57.7
NUTECH SEED	3T-413 VT3	237	217	257	12.5	56.5
G2 GENETICS	1H-716 HX/LL	235	218	252	12.7	58.4
LG seeds	LG2641VT3	235	222	248	12.3	56.3
AgriGold	A6533VT3	234	199	268	12.5	57.1
Dyna-Gro	57V59	230	205	255	12.4	56.8
Unity Seeds	7209GT	230	199	261	12.5	56.2
Dyna-Gro	CX10112	229	204	254	12.3	57.6
G2 GENETICS	5H-511A RR/HX	228	200	256	12.2	57.6
G2 GENETICS	5H-210A RR/HX	227	220	234	12.0	57.0
AgriGold	A6458VT3	226	205	247	11.9	55.8
NUTECH SEED	3T-315 VT3	226	203	248	12.3	56.2
G2 GENETICS	5H-314 RR/HX	223	203	243	12.4	59.0
G2 GENETICS	5X-716 RR/HXT	223	201	245	12.4	58.6
MIDLAND-PHILLIPS	789AG	221	188	253	12.7	56.2
AgriGold	A6553VT3	218	188	248	12.3	56.1
MIDLAND-PHILLIPS	723AG	218	194	242	12.0	56.4
NUTECH SEED	3T-914 VT3	217	202	231	13.3	55.1
G2 GENETICS	5H-511 RR/HX	216	185	246	12.3	57.4
G2 GENETICS	5X-614 RR/HXT	216	190	241	12.6	59.2
G2 GENETICS	1X-711 HXT/LL	216	196	235	12.1	56.4
MIDLAND-PHILLIPS	703VT3	215	209	220	12.0	55.4
NUTECH SEED	3A-715 GT	215	197	232	13.8	53.2
G2 GENETICS	1X-716 HXT/LL	211	192	230	13.1	57.6
NUTECH SEED	5N-215 GT/CB/LL/RW	211	179	242	12.8	56.7
MIDLAND-PHILLIPS	702AG	210	174	245	12.2	56.3
NUTECH SEED	0C-213 YGCB	209	187	230	12.2	57.4
Stine	9806VT3	207	194	219	13.4	55.6
G2 GENETICS	5X-411A RR/HXT	206	173	238	12.6	58.6
AgriGold	A6384VT3PRO	205	183	226	11.9	55.3
NUTECH SEED	5N-813 GT/CB/LL/RW	205	189	220	12.6	55.0
Dyna-Gro	57V40	202	204	199	12.9	57.0
G2 GENETICS	5X-411 RR/HXT	201	190	212	13.1	58.5
Stine	9728VT3Pro	201	177	225	12.6	56.8
Premium Seed	P249RR	191	167	214	12.0	56.3
AgriGold	A6421STX	190	173	206	11.9	57.7
Dyna-Gro	CX10605	188	159	216	11.7	55.8
Average		**224**	**201**	**246**	**12.5**	**56.8**
Difference required for significance (≤5%)		**24**	**31**	**27**	**1.0**	**1.0**

Southeast Irrigated Corn Hybrid Tests York and Hamilton Counties - 2008- 2010

BRAND	HYBRID	2 yr. averages		
		Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
AgriGold	A6533VT3	216	15.5	56.5
NUTECH SEED	3T-413 VT3	216	15.3	56.1
G2 GENETICS	5H-615 RR/HX	214	15.1	56.5
G2 GENETICS	5H-210 RR/HX	211	14.9	56.4
G2 GENETICS	5H-210A RR/HX	210	14.7	56.4
G2 GENETICS	1H-716 HX/LL	208	15.8	57.4
G2 GENETICS	5X-614 RR/HXT	206	15.6	58.1
G2 GENETICS	5X-716 RR/HXT	206	15.4	57.0
G2 GENETICS	5H-314 RR/HX	204	14.9	57.0
AgriGold	A6458VT3	203	15.3	56.3
G2 GENETICS	5H-511 RR/HX	203	14.9	56.3
NUTECH SEED	3T-315 VT3	202	15.4	55.8
MIDLAND-PHILLIPS	703VT3	200	15.6	55.3
Dyna-Gro	57V40	196	15.8	56.4
NUTECH SEED	0C-213 YGCB	195	15.6	56.9
Stine	9728VT3Pro	189	15.7	56.5
Average		**205**	**15.3**	**56.6**
Difference required for significance (≤5%)		**17**	**0.9**	**1.7**
		3 Year Averages		
G2 GENETICS	1H-716 HX/LL	208	17.1	57.4
G2 GENETICS	5H-314 RR/HX	201	16.2	57.6
NUTECH SEED	0C-213 YGCB	200	16.6	56.4
NUTECH SEED	3T-315 VT3	195	16.8	55.6
Average		**201**	**16.7**	**56.8**
Difference required for significance (≤5%)		**NS**	**NS**	**NS**

South Central Irrigated Corn Hybrid Tests
Clay and Phelps Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Clay (bu/a)	Phelps (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
G2 GENETICS	5H-515A RR/HX	237	257	217	13.3	1	58.4
G2 GENETICS	5H-513 RR/HX	236	258	213	14.0	2	58.0
AgriGold	A6553VT3	233	257	208	13.4	2	57.3
Dyna-Gro	CX10112	229	259	198	12.8	2	59.1
G2 GENETICS	5H-513A RR/HX	228	242	214	13.6	2	58.3
NUTECH SEED	3T-413 VT3	228	232	224	13.4	1	58.8
NUTECH SEED	5N-813 GT/CB/LL/RW	227	228	226	13.5	1	56.6
NUTECH SEED	3T-914 VT3	227	231	222	14.1	4	57.0
G2 GENETICS	5X-411 RR/HXT	226	230	222	13.1	1	59.2
NUTECH SEED	3T-315 VT3	226	231	221	13.4	1	57.8
G2 GENETICS	5H-515 RR/HX	225	219	231	13.7	1	58.1
MIDLAND-PHILLIPS	795VT3	225	227	222	13.2	2	57.7
G2 GENETICS	5X-614 RR/HXT	224	229	218	13.1	0	58.9
G2 GENETICS	5H-511 RR/HX	223	233	213	12.6	1	58.6
G2 GENETICS	5X-716 RR/HXT	223	226	219	13.9	2	58.0
MIDLAND-PHILLIPS	789AG	223	232	214	13.0	0	57.1
G2 GENETICS	1X-716 HXT/LL	222	232	211	13.8	2	58.0
NUTECH SEED	0C-213 YGCB	222	228	216	12.9	1	57.6
G2 GENETICS	5H-210A RR/HX	220	225	214	12.9	1	58.4
G2 GENETICS	5H-615 RR/HX	220	213	227	13.1	1	58.7
NUTECH SEED	3C-413 RR/YGCB	220	219	221	13.2	0	56.8
AgriGold	A6533VT3	218	221	215	13.4	5	57.8
AgriGold	A6458VT3	218	225	211	12.7	5	57.3
G2 GENETICS	5H-210 RR/HX	218	218	218	12.8	3	58.3
Sylvester	641BLGW	218	227	208	13.1	2	56.9
G2 GENETICS	5H-511A RR/HX	217	225	209	12.7	2	59.2
Dyna-Gro	57V40	216	236	195	13.4	5	57.1
G2 GENETICS	5X-515 RR/HXT	216	221	211	13.5	1	57.8
MIDLAND-PHILLIPS	723AG	216	215	216	12.7	1	57.5
Dyna-Gro	57V59	213	203	222	13.1	1	57.7
Premium Seed	P257RR	213	233	193	12.6	1	58.9
AgriGold	A6476VT3	211	205	216	12.8	1	58.2
G2 GENETICS	5X-411A RR/HXT	211	227	195	13.3	1	57.6
G2 GENETICS	5H-314 RR/HX	210	222	198	13.0	1	59.3
AgriGold	A6384VT3PRO	209	226	192	12.6	4	55.8
Sylvester	531BRW	208	216	199	12.6	2	58.5
MIDLAND-PHILLIPS	715GTCBLL	207	214	199	12.6	2	57.5
Sylvester	779BRW	205	208	202	13.3	3	57.5
Dyna-Gro	V4993VT3	203	212	194	12.8	1	57.9
MASTERS CHOICE	MCT583-3000GT	203	206	200	13.0	1	57.6
NUTECH SEED	5B-612 GT/CB/LL	202	211	192	13.1	3	56.3
NUTECH SEED	5N-215 GT/CB/LL/RW	201	223	179	13.2	3	58.2
NUTECH SEED	3A-715 GT	201	210	192	15.0	4	55.3
G2 GENETICS	1H-716 HX/LL	199	214	184	13.3	5	59.1
MIDLAND-PHILLIPS	703VT3	198	196	199	12.9	7	57.8
G2 GENETICS	1X-711 HXT/LL	197	221	172	13.0	0	57.5
MIDLAND-PHILLIPS	702AG	196	207	185	12.5	2	58.6
AgriGold	A6421STX	186	188	184	12.6	1	59.2
Sylvester	481PRW	186	202	169	13.0	1	59.5
Sylvester	451GT	182	199	164	12.3	3	56.6
Average		**214**	**223**	**206**	**13.1**	**2**	**57.9**
Difference required for significance (≤5%)		**25**	**25**	**22**	**0.8**	**NS**	**2.9**

South Central Irrigated Corn Hybrid Tests Clay and Phelps Counties 2008 - 2010

BRAND	HYBRID	Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
		2 Year Averages		
AgriGold	A6533VT3	229	17.3	54.7
NUTECH SEED	0C-213 YGCB	225	17.3	54.8
G2 GENETICS	5H-210 RR/HX	222	17.3	55.4
AgriGold	A6458VT3	220	17.2	54.3
G2 GENETICS	5H-314 RR/HX	219	18.9	56.0
Dyna-Gro	57V40	218	16.8	55.0
G2 GENETICS	5X-614 RR/HXT	217	19.0	56.2
G2 GENETICS	1H-716 HX/LL	214	20.2	55.5
MIDLAND-PHILLIPS	703VT3	213	17.5	55.3
Average		**220**	**17.9**	**55.2**
Difference required for significance (≤5%)		**NS**	**NS**	**1.2**
		3 Year Averages		
NUTECH SEED	0C-213 YGCB	223	18.2	55.0
G2 GENETICS	5H-314 RR/HX	217	19.4	56.3
G2 GENETICS	1H-716 HX/LL	212	21.3	55.8
Average		**217**	**19.6**	**55.7**
Difference required for significance (≤5%)		**NS**	**NS**	**0.7**

South Central Rainfed Corn Hybrid Tests
Harlan and Gage Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Harlan (bu/a)	Gage (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
G2 GENETICS	5H-515 RR/HX	176	157	194	13.2	0	59.6
TRIUMPH	7514S	175	173	177	12.5	0	59.1
AgriGold	A6476VT3	172	146	197	12.3	0	58.9
MIDLAND-PHILLIPS	789AG	172	160	184	12.5	0	58.8
TRIUMPH	1217CB	170	154	186	12.7	1	57.6
AgriGold	A6533VT3	168	164	171	12.5	1	58.8
G2 GENETICS	5H-615 RR/HX	167	155	178	12.9	0	59.1
G2 GENETICS	5H-712 RR/HX	166	135	197	12.6	0	59.6
G2 GENETICS	5H-515A RR/HX	166	138	194	13.2	0	60.1
MIDLAND-PHILLIPS	795VT3	166	153	178	12.6	0	58.3
NUTECH SEED	3T-413 VT3	166	150	182	12.8	1	58.8
NUTECH SEED	0C-213 YGCB	165	148	181	12.4	0	59.5
NUTECH SEED	5B-612 GT/CB/LL	164	154	174	12.3	1	57.6
G2 GENETICS	5H-210 RR/HX	163	154	172	12.1	0	59.4
MIDLAND-PHILLIPS	715GTCBLL	163	149	177	12.5	3	58.0
G2 GENETICS	5H-210A RR/HX	162	153	171	12.2	0	59.0
G2 GENETICS	5H-607 RR/HX	159	151	167	12.4	0	58.5
G2 GENETICS	5H-509 RR/HX	159	158	159	12.2	0	59.4
NUTECH SEED	3T-713 VT3	159	154	164	12.2	2	60.0
NUTECH SEED	3T-914 VT3	159	156	162	12.6	0	58.4
G2 GENETICS	5H-314 RR/HX	158	147	169	12.6	0	60.5
AgriGold	A6458VT3	157	142	171	12.1	0	58.8
AgriGold	A6384VT3PRO	157	153	160	11.8	0	58.4
G2 GENETICS	5H-511 RR/HX	157	137	177	12.4	0	59.8
Sylvester	451GT	157	145	168	12.4	0	58.0
Dyna-Gro	57V40	156	142	169	12.5	1	59.5
G2 GENETICS	5X-614 RR/HXT	156	143	169	12.7	1	60.5
Sylvester	531BRW	156	148	163	12.8	3	58.8
G2 GENETICS	5H-608 RR/HX	154	143	165	12.1	1	58.9
Sylvester	641BLGW	153	157	149	12.3	0	58.4
AgriGold	A6553VT3	151	129	172	12.5	0	59.4
G2 GENETICS	5H-511A RR/HX	151	127	175	12.5	1	59.9
NUTECH SEED	3A-710 GT	151	129	173	12.0	1	60.0
MIDLAND-PHILLIPS	703VT3	150	140	159	12.5	2	59.7
TRIUMPH	1420X	150	143	157	12.7	0	59.1
G2 GENETICS	5X-411 RR/HXT	149	136	161	12.5	0	60.3
NUTECH SEED	5N-215 GT/CB/LL/RW	149	124	173	12.6	7	59.1
G2 GENETICS	5X-908 RR/HXT	148	123	172	12.3	1	59.7
G2 GENETICS	5H-516 RR/HX	148	131	165	12.8	1	59.4
Sylvester	779BRW	147	120	174	13.4	0	57.9
MIDLAND-PHILLIPS	702AG	146	136	156	12.1	1	58.6
G2 GENETICS	5X-411A RR/HXT	144	131	156	12.9	0	60.6
MIDLAND-PHILLIPS	723AG	144	126	161	12.5	2	59.0
NUTECH SEED	5N-813 GT/CB/LL/RW	144	136	151	12.8	0	57.7
AgriGold	A6421STX	142	119	164	12.2	0	60.5
TRIUMPH	1601X	140	133	147	12.7	1	58.0
Sylvester	481PRW	136	138	133	12.4	0	59.8
Dyna-Gro	CX10605	131	106	155	12.2	2	58.4
Average		**156**	**143**	**169**	**13**	**1**	**59.1**
Difference required for significance (≤5%)		**23**	**19**	**20**	**0.7**	**NS**	**2.5**

South Central Rainfed Corn Hybrid Tests Harlan and Gage Counties 2008 - 2010

BRAND	HYBRID	2 Year Averages Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
NUTECH SEED	3T-413 VT3	179	15.1	57.5
AgriGold	A6533VT3	178	15.2	57.3
G2 GENETICS	5H-210A RR/HX	177	14.1	58.6
G2 GENETICS	5H-314 RR/HX	175	15.3	59.0
G2 GENETICS	5H-210 RR/HX	175	14.1	58.5
G2 GENETICS	5H-615 RR/HX	175	14.9	57.9
G2 GENETICS	5H-511 RR/HX	172	14.8	58.7
NUTECH SEED	0C-213 YGCB	172	15.0	58.2
MIDLAND-PHILLIPS	703VT3	170	15.3	58.2
AgriGold	A6458VT3	169	14.5	57.2
NUTECH SEED	3T-713 VT3	168	15.0	58.0
G2 GENETICS	5X-614 RR/HXT	167	15.4	59.2
Sylvester	779BRW	167	15.6	56.8
Dyna-Gro	57V40	164	14.6	58.2
Average		**172**	**14.9**	**58.1**
Difference required for significance (≤5%)		**NS**	**NS**	**1.0**
		3 Year Averages		
AgriGold	A6533VT3	173	15.1	57.6

Northeast Rainfed Corn Hybrid Tests
Dixon County - 2010

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
NUTECH SEED	0C-213 YGCB	211	15.3	4	57.3
Dyna-Gro	57V40	210	15.8	0	57.2
NUTECH SEED	3C-413 RR/YGCB	210	15.8	0	56.5
G2 GENETICS	5X-411 RR/HXT	207	15	0	56.9
G2 GENETICS	5H-314 RR/HX	206	14.7	0	56.3
Heine	H842VT3	204	14.7	0	56.4
Dyna-Gro	CX10605	203	16.5	0	57.1
Heine	H817VT3	203	14.5	0	57.1
Heine	H852VT3	201	14.6	0	56.5
G2 GENETICS	5X-905 RR/HXT	200	15.2	0	57.3
G2 GENETICS	5H-511 RR/HX	200	14.4	0	56.3
G2 GENETICS	5X-206 RR/HXT	200	15.2	1	56.1
NUTECH SEED	3C-213 RR/YGCB	200	14.5	0	56.4
G2 GENETICS	5X-903 RR/HXT	199	14.7	0	57.9
G2 GENETICS	5H-210 RR/HX	196	15	5	57.2
Dyna-Gro	55V24	195	14.4	0	56.3
Heine	H810VT3PRO	193	15.4	6	56.4
Heine	H816VT3	192	14.5	1	57.5
Dyna-Gro	D49VP59	189	15.4	0	56.3
Heine	H854VT3	189	14.2	2	57.3
LG seeds	LG2555VT3	185	14.5	1	56.7
Dyna-Gro	56R60	180	14.9	1	56
Dyna-Gro	D32RR29	178	15.4	1	56.3
Heine	H826VT3	168	14.2	2	56.4
G2 GENETICS	5H-712 RR/HX	152	14.5	0	57.3
Average		**195**	**14.9**	**1**	**56.8**
Difference required for significance (≤5%)		**20**	**1.2**	**NS**	**NS**

Northeast Rainfed Corn Hybrid Tests, Dixon County 2008 - 2010

BRAND	HYBRID	Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
			2 Year Averages	
NUTECH SEED	3C-213 RR/YGCB	194	15.3	56
NUTECH SEED	0C-213 YGCB	191	16.1	56.9
G2 GENETICS	5H-314 RR/HX	184	15.7	56.3
G2 GENETICS	5H-210 RR/HX	180	15.7	56.9
Dyna-Gro	57V40	178	16.1	56.2
Average		**185**	**15.8**	**56.5**
Difference required for significance (≤5%)		**NS**	**NS**	**NS**
			3 Year Averages	
NUTECH SEED	3C-213 RR/YGCB	199	16.1	56
G2 GENETICS	5H-314 RR/HX	193	16.5	56.3
Average		**196**	**16.3**	**56.2**
Difference required for significance (≤5%)		**NS**	**0.2**	**NS**

Northeast Irrigated Corn Hybrid Tests Dixon County 2008 - 2010

BRAND	HYBRID	Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
			2 Year Averages	
G2 GENETICS	5H-210 RR/HX	214	17.1	46.3
G2 GENETICS	5H-506 RR/HX	213	16.6	47.8
Dyna-Gro	V4993VT3	206	16.8	46.5
NUTECH SEED	3T-413 VT3	199	19.4	46
G2 GENETICS	5H-511 RR/HX	192	17.8	48.1
G2 GENETICS	5X-905 RR/HXT	188	15.6	45
Dyna-Gro	57V40	178	18.5	45.9
Average		**199**	**17.4**	**46.5**
Difference required for significance (≤5%)		**NS**	**2.0**	**NS**
			3 Year Averages	
G2 GENETICS	5H-506 RR/HX	201	16.6	47.8

Northeast Irrigated Corn Hybrid Tests Pierce County - 2010

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
Dyna-Gro	CX10112	229	13.6	2	57.4
Heine	H842VT3	215	14.0	1	57.4
Heine	H826VT3	210	13.9	0	58.4
Dyna-Gro	V4993VT3	206	13.5	2	56.2
Dyna-Gro	57V59	196	13.8	0	56.9
Dyna-Gro	57V40	194	13.9	6	56.6
Heine	H854VT3	190	13.9	5	56.4
Heine	H817VT3	187	13.6	3	57.2
Dyna-Gro	55V24	181	13.1	1	55.9
Dyna-Gro	56R60	181	13.2	4	55.8
Heine	H810VT3PRO	180	14.0	2	57.2
Dyna-Gro	D44SS49	178	13.2	2	56.4
Heine	H852VT3	176	14.2	4	56.1
Heine	H816VT3	176	13.7	5	58.9
Dyna-Gro	D49VP59	169	14.1	1	57.8
Dyna-Gro	CX10605	166	13.2	6	55.4
Average		**190**	**13.7**	**3**	**56.9**
Difference required for significance (≤5%)		**22**	**0.4**	**4**	**0.9**

Northeast Irrigated Corn Hybrid Tests Pierce County 2009 - 2010

BRAND	HYBRID	Yield (bu/a)	2 Year Averages Harvest Moisture (%)	Bushel Weight (lb/bu)
Dyna-Gro	V4993VT3	206	15.1	55.8
Dyna-Gro	57V40	194	16.2	55.4
Average		**200**	**15.7**	**55.6**
Difference required for significance (≤5%)		**NS**	**NS**	**NS**

Northeast Irrigated Corn Hybrid Tests Holt County 2009 - 2010

BRAND	HYBRID	Yield (bu/a)	2 Year Averages Harvest Moisture (%)	Bushel Weight (lb/bu)
Dyna-Gro	V4993VT3	223	17.8	55.4
KRUGER	K-6408VT3	217	17.1	55.8
Dyna-Gro	57V40	212	19.7	53.6
Average		**217**	**18.2**	**54.9**
Difference required for significance (≤5%)		**NS**	**1.1**	**NS**

Northeast Irrigated Corn Hybrid Tests
Dixon County - 2010

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
G2 GENETICS	5H-608 RR/HX	249	14.7	0	42.6
G2 GENETICS	5H-210A RR/HX	237	14.4	0	40.6
Heine	H816VT3	236	14.5	1	40.0
LG seeds	LG2620VT3	235	15.8	2	41.8
G2 GENETICS	5H-712 RR/HX	234	15.1	2	41.2
G2 GENETICS	5H-506 RR/HX	232	14.6	0	39.3
G2 GENETICS	5H-511 RR/HX	232	15.0	2	39.1
G2 GENETICS	5H-210 RR/HX	230	14.4	0	37.6
NUTECH SEED	3T-110 VT3	230	14.8	2	38.4
Heine	H852VT3	228	16.0	1	39.4
Dyna-Gro	CX10112	227	14.7	3	39.8
G2 GENETICS	5H-607 RR/HX	226	13.7	5	38.3
G2 GENETICS	5H-509 RR/HX	226	14.6	3	38.7
Heine	H826VT3	226	14.9	2	37.4
Heine	H842VT3	226	15.9	1	40.3
Dyna-Gro	V4993VT3	224	14.2	1	37.3
Dyna-Gro	57V40	223	14.7	9	38.3
Heine	H817VT3	223	14.6	1	37.0
G2 GENETICS	5X-411A RR/HXT	222	15.6	2	37.6
NUTECH SEED	3T-413 VT3	221	16.1	1	38.4
Dyna-Gro	57V59	219	16.1	0	37.3
G2 GENETICS	5X-908 RR/HXT	218	15.0	3	36.9
G2 GENETICS	5H-906 RR/HX	217	14.7	10	37.2
G2 GENETICS	5X-007 RR/HXT	217	13.7	2	38.1
Dyna-Gro	CX10605	216	13.9	7	37.3
G2 GENETICS	5X-411 RR/HXT	216	15.7	2	38.0
Heine	H854VT3	216	15.8	2	38.5
NUTECH SEED	3A-710 GT	216	14.5	1	36.9
NUTECH SEED	5B-612 GT/CB/LL	214	15.5	4	36.5
Heine	H810VT3PRO	211	15.2	4	35.8
Dyna-Gro	56R60	209	14.1	3	34.9
G2 GENETICS	5H-905 RR/HX	207	13.6	0	36.1
Dyna-Gro	55V24	206	13.5	0	35.2
G2 GENETICS	5H-105 RR/HX	206	14.1	1	36.6
Dyna-Gro	D44SS49	205	13.6	2	33.7
Dyna-Gro	D49VP59	198	15.4	4	34.8
G2 GENETICS	5X-905 RR/HXT	195	13.9	1	33.3
NUTECH SEED	0C-213 YGCB	141	15.6	2	23.0
Average		**219**	**14.8**	**2**	**37.5**
Difference required for significance (≤5%)		**21**	**0.6**	**4**	**4.3**

Northeast Irrigated Corn Hybrid Tests
Holt County - 2010

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
Heine	H826VT3	228	14.9	1	60.2
Dyna-Gro	57V40	222	15.2	3	58.3
KRUGER	K-6510VT3	222	14.6	1	58.4
KRUGER	K-6110VT3	221	15.2	1	58.5
Heine	H816VT3	213	14.8	2	60.3
Heine	H854VT3	209	15.5	2	57.5
Heine	H810VT3PRO	208	14.5	0	59.7
Dyna-Gro	V4993VT3	206	13.7	2	58.7
Dyna-Gro	CX10112	205	15.5	1	60.2
KRUGER	K-6408VT3	200	13.3	0	59.5
Dyna-Gro	CX10605	199	13.2	1	57.3
Heine	H852VT3	199	15.7	1	56.8
Dyna-Gro	56R60	197	13.4	1	57.8
Dyna-Gro	57V59	196	15.2	2	58.5
LG seeds	LG2547VT3	195	14.5	0	58.6
Heine	H842VT3	192	15.9	2	58.1
Dyna-Gro	55V24	189	12.4	4	57.7
Heine	H817VT3	188	15.1	1	58.6
Dyna-Gro	D49VP59	181	14.6	2	59.6
Dyna-Gro	D44SS49	170	12.9	2	59.5
KRUGER	K-6008VT3	165	14.7	3	58.5
Average		**200**	**14.5**	**2**	**58.7**
Difference required for significance (≤5%)		**20**	**0.6**	**NS**	**0.7**

West Central Irrigated Corn Hybrid Tests
Buffalo and Red Willow Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Buffalo (bu/a)	Red Willow (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Dropped Ear (%)	Bushel Weight (lb/bu)
G2 GENETICS	5H-515A RR/HX	292	291	293	14.6	3	0	58.6
G2 GENETICS	5H-513 RR/HX	289	284	294	14.5	1	0	58.8
G2 GENETICS	5H-513A RR/HX	287	292	281	13.9	1	0	59.5
G2 GENETICS	1H-716 HX/LL	282	296	267	14.9	0	1	58.6
LG seeds	LG2555VT3	280	285	274	13.3	3	0	60.4
G2 GENETICS	5H-712 RR/HX	279	284	273	13.5	3	1	60.6
G2 GENETICS	5H-314 RR/HX	273	294	252	14.2	2	0	59.8
NUTECH SEED	3T-315 VT3	273	269	277	14.5	3	1	58.4
NUTECH SEED	5B-612 GT/CB/LL	273	267	278	13.9	2	0	59.0
NUTECH SEED	3A-715 GT	272	277	266	16.7	6	1	55.7
G2 GENETICS	5H-607 RR/HX	270	269	270	12.7	0	0	62.1
LG seeds	LG2620VT3	270	262	277	13.8	5	1	59.7
NUTECH SEED	5N-813 GT/CB/LL/RW	269	276	262	15.2	10	1	57.3
G2 GENETICS	5H-515 RR/HX	268	263	272	14.6	2	0	59.2
AgriGold	A6553VT3	266	277	254	14.4	5	1	58.4
G2 GENETICS	5X-716 RR/HXT	265	268	261	14.3	2	0	60.1
NUTECH SEED	3T-413 VT3	260	281	239	13.9	0	0	59.7
G2 GENETICS	5H-210 RR/HX	258	258	257	13.3	2	0	61.5
G2 GENETICS	5H-210A RR/HX	258	261	255	12.9	1	0	61.4
NUTECH SEED	0C-213 YGCB	252	255	248	14.2	2	0	59.7
AgriGold	A6458VT3	251	260	242	12.9	3	0	61.2
AgriGold	A6384VT3PRO	251	282	220	12.8	3	0	62.5
G2 GENETICS	5H-608 RR/HX	250	247	253	12.1	1	1	61.7
Dyna-Gro	CX10112	249	269	229	13.6	5	1	60.8
NUTECH SEED	3A-710 GT	248	259	237	13.1	4	1	61.6
G2 GENETICS	5H-511 RR/HX	244	251	237	13.3	2	0	61.4
NUTECH SEED	5N-215 GT/CB/LL/RW	243	248	238	15.1	3	0	58.2
G2 GENETICS	5X-411A RR/HXT	237	244	229	13.2	2	0	60.9
G2 GENETICS	5H-511A RR/HX	237	222	251	12.8	3	0	61.9
NUTECH SEED	3T-914 VT3	235	249	221	15.2	13	2	57.4
G2 GENETICS	5X-411 RR/HXT	231	246	216	13.7	1	1	61.8
G2 GENETICS	5H-509 RR/HX	223	235	211	12.6	3	1	62.1
Dyna-Gro	57V59	216	230	202	13.4	10	2	61.1
NUTECH SEED	3T-810 VT3	208	211	205	14.7	12	1	58.5
NUTECH SEED	3T-110 VT3	204	180	227	13.4	5	1	61.3
Average		**256**	**261**	**251**	**13.9**	**4**	**1**	**60**
Difference required for significance (≤5%)		**30**	**22**	**24**	**0.9**	**NS**	**NS**	**1.1**

West Central Irrigated Corn Hybrid Tests Buffalo and Red Willow Counties, 2008 - 2010

BRAND	HYBRID	2 Year Averages Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
G2 GENETICS	1H-716 HX/LL	274	17.3	56.4
G2 GENETICS	5H-210A RR/HX	266	15.5	58.2
NUTECH SEED	3T-413 VT3	266	16.1	57.4
G2 GENETICS	5H-210 RR/HX	264	15.5	58.6
G2 GENETICS	5X-716 RR/HXT	263	16.8	57.5
G2 GENETICS	5H-314 RR/HX	259	16.2	57.3
NUTECH SEED	0C-213 YGCB	254	16.1	57.5
G2 GENETICS	5H-511 RR/HX	248	15.2	58.5
Average		**262**	**16.1**	**57.7**
Difference required for significance (≤5%)		**22**	**0.8**	**1.1**
		3 Year Averages		
G2 GENETICS	1H-716 HX/LL	260	18.9	55.8
G2 GENETICS	5H-314 RR/HX	250	17.6	56.6
NUTECH SEED	0C-213 YGCB	244	17.4	56.7
Average		**251**	**18.0**	**56.4**
Difference required for significance (≤5%)		**NS**	**NS**	**0.5**

Southwest Irrigated Corn Hybrid Tests Dawson and Dundy Counties 2008 - 2010

BRAND	HYBRID	2 Year Averages Yield (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
Dyna-Gro	57V07	191	18.5	5	55.9
Dyna-Gro	57V21	191	20.4	3	54.1
Dyna-Gro	57V40	191	17.2	14	57
Average		**191**	**18.7**	**7.3**	**55.7**
Difference required for significance (≤5%)		**NS**	**NS**	**NS**	**NS**
		3 Year Averages			
Dyna-Gro	57V07	202	18.1	25	56.2
Dyna-Gro	57V21	201	19.7	23	54.6
Average		**75**	**32.8**	**39.7**	**55.4**
Difference required for significance (≤5%)		**NS**	**NS**	**NS**	**NS**

Southwest Irrigated Corn Hybrid Tests Dawson and Dundy Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Dawson (bu/a)	Dundy (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
LG seeds	LG2555VT3	244	251	237	14.5	18	59.0
Dyna-Gro	57V07	237	239	234	13.9	7	60.1
Dyna-Gro	57V21	236	247	225	16.8	5	56.4
AgriGold	A6553VT3	234	239	228	15.4	10	57.4
AgriGold	A6476VT3	232	237	226	14.9	6	59.4
LG seeds	LG2620VT3	230	234	225	14.7	17	59.1
AgriGold	A6458VT3	229	247	210	14.4	16	58.7
LG seeds	LG2616VT3	226	233	219	14.3	9	59.7
Dyna-Gro	57V40	217	212	221	14.1	27	60.5
Dyna-Gro	CX10112	212	245	178	13.9	22	61.6
Unity Seeds	7208GT	210	217	203	14.5	14	60.0
Dyna-Gro	57V59	202	213	190	14.5	14	59.6
Average		**226**	**235**	**216**	**14.7**	**14**	**59.3**
Difference required for significance (≤5%)		**27**	**16**	**21**	**0.9**	**11**	**16.0**

Central Irrigated Corn Hybrid Tests
Lincoln and Custer Counties - 2010

BRAND	HYBRID	Average Yield (bu/a)	Lincoln (bu/a)	Custer (bu/a)	Harvest Moisture (%)	Broken Plants (%)	Bushel Weight (lb/bu)
NUTECH SEED	3A-715 GT	234	223	244	16.3	8	56.8
G2 GENETICS	5H-615 RR/HX	229	207	251	14.9	12	58.7
G2 GENETICS	5H-314 RR/HX	228	216	240	15.4	1	58.6
AgriGold	A6458VT3	227	212	241	14.4	1	59.5
LG seeds	LG2620VT3	225	197	252	14.9	6	58.9
LG seeds	LG2549VT3	225	208	241	14.4	4	59.2
G2 GENETICS	5H-513 RR/HX	224	221	227	15.7	4	58.0
G2 GENETICS	5H-513A RR/HX	224	226	221	15.5	4	58.3
NUTECH SEED	3T-914 VT3	224	200	248	14.9	5	58.4
G2 GENETICS	5H-607 RR/HX	223	206	239	13.9	11	60.6
G2 GENETICS	5H-608 RR/HX	223	206	239	14.1	10	59.9
AgriGold	A6553VT3	222	188	256	15.1	4	58.4
Dyna-Gro	57V59	222	219	224	14.7	6	59.4
G2 GENETICS	5H-515A RR/HX	221	217	225	15.4	1	58.6
NUTECH SEED	0C-213 YGCB	221	205	236	14.8	5	59.1
NUTECH SEED	5B-612 GT/CB/LL	221	212	229	14.4	3	59.1
G2 GENETICS	5H-515 RR/HX	220	211	228	15.9	2	58.4
NUTECH SEED	3T-315 VT3	220	204	235	15.3	3	58.5
Dyna-Gro	57V40	219	205	233	14.7	6	59.1
G2 GENETICS	5H-712 RR/HX	219	207	231	14.6	4	59.9
G2 GENETICS	5H-210A RR/HX	218	201	234	14.3	4	60.0
NUTECH SEED	5N-215 GT/CB/LL/RW	218	193	242	14.5	7	58.9
G2 GENETICS	5H-509 RR/HX	217	205	228	14.0	3	60.5
G2 GENETICS	5H-511 RR/HX	216	222	210	14.5	13	59.7
NUTECH SEED	3T-110 VT3	215	197	232	14.4	7	59.7
NUTECH SEED	3T-413 VT3	212	196	228	15.3	11	58.6
NUTECH SEED	5N-813 GT/CB/LL/RW	212	202	222	14.6	7	58.8
G2 GENETICS	5H-210 RR/HX	211	198	224	14.2	2	60.1
G2 GENETICS	5X-716 RR/HXT	209	199	218	15.4	6	58.8
Unity Seeds	7510A-3000GT	208	202	213	14.3	4	60.3
G2 GENETICS	5X-411 RR/HXT	206	190	222	15.0	7	59.2
Dyna-Gro	V4993VT3	205	192	218	13.9	6	60.7
G2 GENETICS	5X-411A RR/HXT	205	206	203	14.6	4	59.6
G2 GENETICS	5H-511A RR/HX	205	212	197	15.0	12	59.1
G2 GENETICS	5H-716 RR/HX	203	188	217	15.5	4	58.9
AgriGold	A6384VT3PRO	202	180	223	13.6	6	60.4
Dyna-Gro	CX10112	200	185	215	14.2	2	60.3
Dyna-Gro	CX10605	196	186	205	13.9	4	60.3
G2 GENETICS	5H-516 RR/HX	196	199	193	15.4	4	58.6
Average		**216**	**204**	**228**	**14.8**	**5**	**59.2**
Difference required for significance (≤5%)		**25**	**17**	**17**	**0.8**	**NS**	**0.9**

Central Irrigated Corn Hybrid Tests Lincoln and Custer Counties 2009 - 2010

BRAND	HYBRID	Yield (bu/a)	2 Year Averages Harvest Moisture (%)	Bushel Weight (lb/bu)
G2 GENETICS	5H-210A RR/HX	240	15.5	58.3
NUTECH SEED	3T-413 VT3	237	17.6	55.6
G2 GENETICS	5H-210 RR/HX	235	15.5	58.1
G2 GENETICS	5H-314 RR/HX	234	17.6	55.8
G2 GENETICS	5H-615 RR/HX	232	16.7	56.4
Dyna-Gro	V4993VT3	228	15.1	58.9
NUTECH SEED	0C-213 YGCB	228	17.3	56.2
Dyna-Gro	57V40	225	16.5	56.8
G2 GENETICS	5H-511 RR/HX	220	16.4	57.2
Average		**231**	**16.5**	**57.0**
Difference required for significance (≤5%)		**NS**	**1.3**	**1.4**

West Irrigated Corn Variety Test Goshen County (WY) 2010

Brand	Hybrid	Yield (bu/a)
Dyna-Gro	54V78	212
Dyna-Gro	D32RR29	197
Dyna-Gro	55V24	182
Dyna-Gro	D44SS49	176
TRIUMPH	9502S	175
TRIUMPH	9811X	174
TRIUMPH	9220R	168
TRIUMPH	9502CBRR	157
Dyna-Gro	54V29	153
Dyna-Gro	CX10605	151
LG seeds	LG2460RR	147
Average		**172**
Difference required for significance (≤5%)		**28**

West Irrigated Corn Hybrid Tests Goshen County (WY) 2009 - 2010

BRAND	HYBRID	Yield (bu/a)	2 Year Averages Harvest Moisture (%)
TRIUMPH	9502CBRR	154	12
Dyna-Gro	54V29	146	11.9
Average		**150**	**12**
Difference required for significance (≤5%)		**NS**	**NS**

NEBRASKA VARIETY AND HYBRID TESTS EXTENSION CIRCULAR 101
SPRING SEED GUIDE - 2011

NOVEMBER 2010

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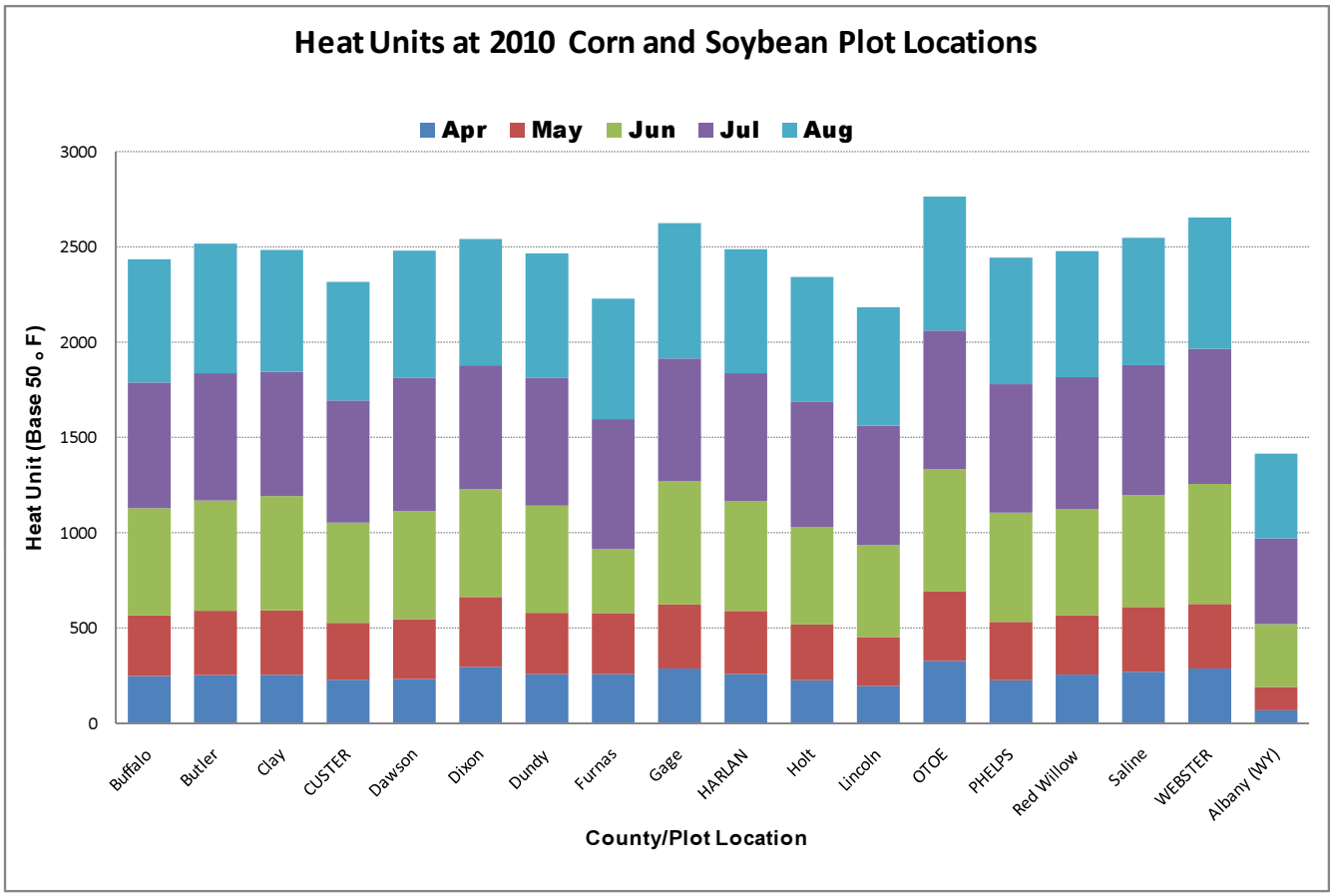
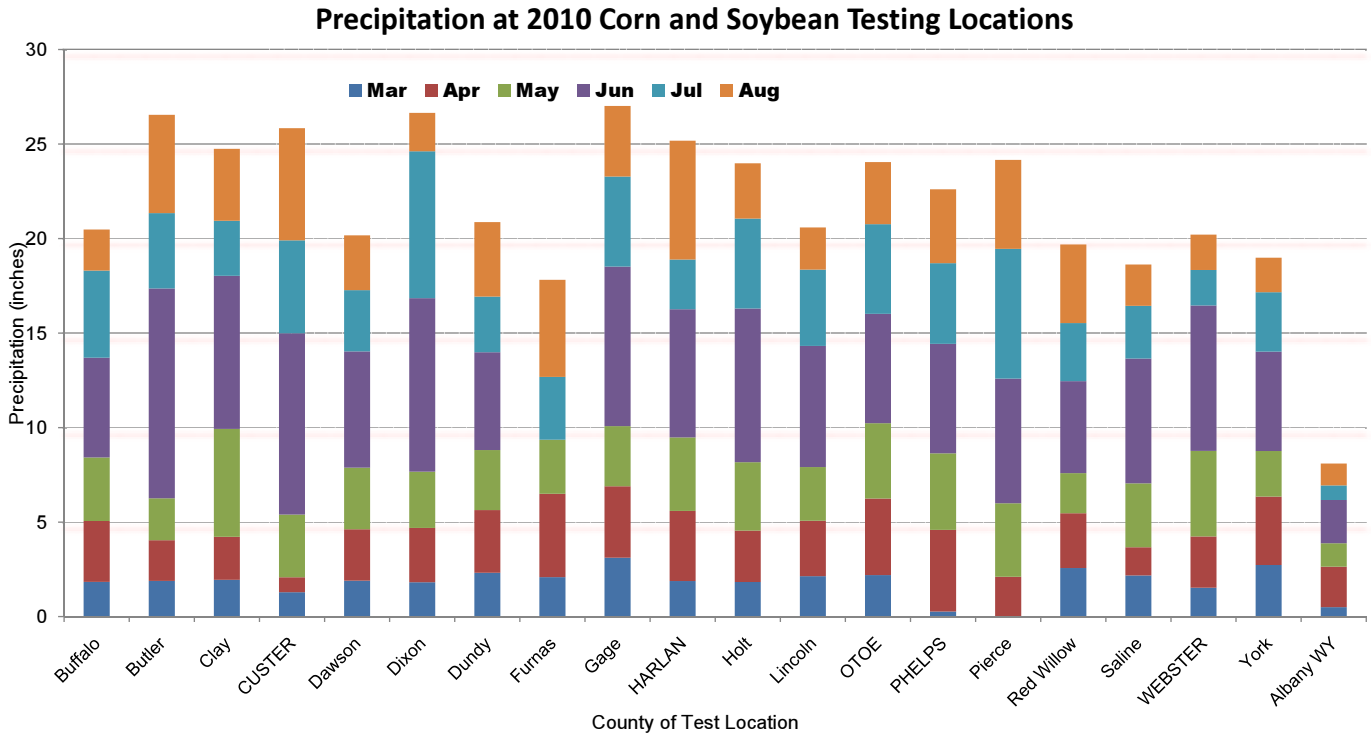

Heat Units at 2010 Corn and Soybean Plot Locations
Apr
May
Jun
Jul
Aug
Heat Unit (Base 50 ₒ F)
3000
2500
2000
1500
1000
500
0
Buffalo
Butler
Clay
CUSTER
Dawson
Dixon
Dundy
Furnas
Gage
HARLAN
Holt
Lincoln
OTOE
PHELPS
Red Willow
Saline
WEBSTER
Albany (WY)
County/Plot Location


Precipitation at 2010 Corn and Soybean Testing Locations
Mar
Apr
May
Jun
Jul
Aug
Precipitation (inches)
30
25
20
15
10
5
0
Buffalo
Butler
Clay
CUSTER
Dawson
Dixon
Dundy
Furnas
Gage
HARLAN
Holt
Lincoln
OTOE
PHELPS
Pierce
Red Willow
Saline
WEBSTER
York
Albany WY
County of Test Location

NEBRASKA SOYBEAN VARIETY TESTS 2010
Crop Production Summary

According to the National Agricultural Statistics Service, there were 5.15 million acres of corn planted in Nebraska in 2010. 5.1 million acres were harvested producing around 270 million bushels of grain. The average soybean yield of Nebraska for 2010 was 53 bushels per acre (bu/a). Soybean yields from the previous 10 years are reported below.

Average Nebraska Soybean Yield (Last 10 Years)

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Yield (bu/a)	38	45.5	38.5	40.5	46	50.5	50	51	46.5	54.5	53

Source: National Agricultural Statistics Service (http://www.nass.usda.gov)

The 2010 soybean crop in Nebraska followed the 5-year averages during the growing season Warm temperatures and dry conditions allowed the crop to be harvested much earlier than in previous years. Detailed information regarding crop progress and history can be obtained from the National Agricultural Statistics Service available online at http://www.nass.usda.gov

PROCEDURE

Data was obtained from 14 trials at 8 locations (Table A). The trial at one location in the east was lost due to hail damage. All entries were privately developed varieties entered by industry representative. Farm entries were selected by the cooperating farmer. Soil type of testing sites and cultural practices applied are shown in Table B. At six locations, entries were divided into early and late maturing varieties for convenience in handling. Average performances of entries for key agronomic and quality characteristics are shown in Table C. A list of entries by brand name is shown in Table D, while details about each hybrid are shown on Table E. Names and addresses of entrants and corresponding contact addresses are listed in Table F.

Entries were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. In the Southeast, South Central and Northeast districts, a planting rate of 8.5 seeds per foot in 30-inch rows (148,100 seeds per acre) was used. The West Central plots were seeded with an air seeder which planted the same number of seeds for each plot. The population in Furnas, Lincoln and Dawson Counties were 220,000 seeds/a.

At harvest, two center rows 10 to 30 feet long were threshed for yield. Reported yields are corrected to 13% moisture. Plots were rated mature when 95% of the pods had reached their mature pod color when maturity is taken. Most often, five to ten days of drying weather are required after “maturity” before the soybeans have less than 15% moisture.

Plant height is the average length in inches of plants from the ground to the tip of the main stem at the time of maturity. Lodging is rated at maturity according to the following scores: 1 = Almost all plants erect, 2 = All plants leaning slightly or a few plants down, 3 = All plants leaning moderately (45o or 25% to 50% of the plants down), 4 = All plants leaning considerably (50% to 80% of the plants down), 5 = Almost all plants down.

Protein and oil content was obtained from 14 tests in 2010. These are reported on a 13% moisture basis and will appear lower than many reported figures. Conversions can be made to 0% by multiplying the protein or oil by 1.13. Estimated Processed Value (EPV) is calculated from the protein and oil content from the Chicago Board of Trade prices for soybean oil ($0.445/lb) and 46.5% protein soybean meal ($326/ton). EPV is calculated on an acre basis by multiplying the yield (bu/acre) by the EPV/bu. We also would like to acknowledge the Nebraska Soybean Board for financially supporting the protein and oil tests.

PERFORMANCE

Performance of entries cannot be measured with absolute accuracy in one season because of variations in moisture, soil fertility and other factors. Also, most fields contain some spatial variability. Because of the many sources of variability, small yield differences have little significance. Differences required for significance are shown in each table at the 5% level. This means that differences this great would be expected through chance alone in 1 of 20 trials. A simple way of thinking of these differences is that if all the plots had been the same variety that would be the difference that would have been measured. Many soybean varieties have similar yield potentials. Early maturing varieties are favored in some seasons and later maturing varieties in others. Wet condition in the past season favored late varieties. Zone averages and period-of-years averages provide a measure of performance over a range of environmental conditions.

Period-of-years data for varieties include two, and three-year averages. It should be noted that with the rapid development and turnover of varieties, very few varieties have more than one year averages. We encourage you to use data from many sources in comparing soybean varieties. The Nebraska Cooperative Extension has developed two NebGuides to assist you in choosing new soybean varieties. The titles are Using Variety Test Data to Chose Soybean Varieties Part 1 and Part 2. These are available at your local Extension office or on the web at: http://www.ianrpubs.unl.edu/sendIt/g1546.pdf and http://www.ianrpubs.unl.edu/sendIt/g1547.pdf.

Continued on page 38

Continued from page 37

RESULTS AT INDIVIDUAL LOCATIONS

Northeast District:

Four tests were planted at two locations in Dixon and Pierce Counties.

- The Dixon County rainfed tests were planted May 18th and harvested October 8th. The early maturing test had 9 entries and averaged 54.2 bu/a, while the late maturing test had 12 entries and averaged 54.4 bu/a.
- The Pierce County irrigated tests were planted May 17th and harvested October 6th. The early maturing test had 9 entries and averaged 53.8 bu/a. The late maturing test had 12 entries and averaged 54.6 bu/a.

East/South Central District:

Six tests were planted at three locations in Clay, Furnas, and Saunders Counties.

- The Clay County irrigated test was planted May 28th. Growing conditions were good. This test was harvested October 7th. The early maturing test had 14 entries and averaged 62.3 bu/a. The late maturing test had 18 entries and averaged 65.3 bu/a.
- The Furnas County irrigated tests were planted on May 17th into corn residue. This test was harvested September 22nd, with the 16 early maturing entries averaging 69.7 bu/a and the 18 late maturing entries averaging 75.5 bu/a. The early test had four popular farm entries which are listed below.

Entry	Company	Variety	Yield
Farm Entry 1	Pioneer	93Y12	68.2
Farm Entry 2	Pioneer	93M11	73.1
Farm Entry 3	Pioneer	92Y70	74.8
Farm Entry 4	Pioneer	93M43	62.9

- The Saunders County rainfed tests were lost to a hail storm late in the season and therefore no data was gathered at that location.

Southeast District:

There were four tests at two locations in Saline and Webster Counties. The test at Saunders County was lost to hail damage.

- The Saline County rainfed test was planted May 25th and harvested October 8th. This site utilized a no-till system and was planted into corn residue at 150,000 seeds per acre. The early maturing test had 13 entries and averaged 30.0 bushels per acre. The late maturing test had 23 entries and averaged 35.9 bushels per acre. There was one farm entry at Saline County (Producers 3608NR2) which averaged 30.7 bu/a.
- The Webster County irrigated test was planted May 18th and was harvested October 12th. The early maturing test averaged 76.6 bu/a, and the late test averaged 72.5 bu/a. The early test had four popular farm entries which are listed below.

Entry	Company	Variety	Yield
Farm Entry 1	Asgrow	3005	74.5
Farm Entry 2	DeKalb	25-51	65.9
Farm Entry 3	NK	S28-B4	75.2
Farm Entry 4	NK	S36-B6	78.7

Central District:

Two irrigated tests were planted in Howard and Dawson Counties.

- The Howard County irrigated test was planted on May 18th into corn stubble at 150,000 seeds per acre. The test had 21 entries and was harvested on October 13th with an average yield of 68.3 bu/a. There were four popular farm entries which are listed below.

Entry	Company	Variety	Yield
Farm Entry 1	Pioneer	92M61	70.9
Farm Entry 2	Pioneer	92Y70	70.4
Farm Entry 3	Pioneer	93M11	67.6
Farm Entry 4	Pioneer	93Y12	62.1

- The Dawson County irrigated test was planted May 15th and harvested October 9th.with 21 entries. This test was slot planted on top of the ridge into corn stubble at 150,000 seeds per acre. On October 4th this test was harvested yielding 62.2 bu/a. There were four popular farm entries which are listed below.

Entry	Company	Variety	Yield
Farm Entry 1	Pioneer	93M11	58.2
Farm Entry 2	Pioneer	93Y12	63.8
Farm Entry 3	Pioneer	92Y70	65.0
Farm Entry 4	Pioneer	93M43	58.5

CULTURAL PRACTICES

Clay County: Pivot Irrigated; Previous Crop: Corn; disc (fall) and field cultivated (spring); Fertilizer: None; Herbicide: 2 applications of Round-up Power Max at 22 oz/a.

Dawson: Irrigated; Conventional tillage; Previous Crop: Corn; Fertilizer: None;

Herbicide: Pre – 1 qt. glyphosate, Sharpen, Post: 1 qt. glyphosate

Dixon County: Rainfed; Previous Crop: Corn; Conventional tillage; Fertilizer: None;

Herbicide: 2 oz/a Valor, 24 oz/a Durango (applied 5/20/10)

Furnas County: Irrigated; Previous Crop: Corn; No-till; Fertilizer: None; Herbicide: 2 applications of glyphosate post-emergence

Howard County: Pivot irrigated; Previous Crop: Corn; Fertilizer: 35 lb N pivot applied; Herbicide: 2 applications of glyphosate post-emergence

Pierce County: Irrigated; Previous Crop: Corn; No-till; Fertilizer: 100 lbs Potash (60 lb K), 100 lbs Kmag (18 lb K, 18 lb Mg); Herbicide: 2 applications of Round-up Ultra Max @ 24 oz/a

Saline County: Rainfed; Previous Crop: Corn; No-till; Fertilizer: none; Herbicide: 2 pt. Extreme, burndown with Round-up, Post: Round-up

Webster County: Irrigated; Previous Crop: Corn; No-till; Fertilizer: None; Herbicide: 2 applications of glyphosate

Table A. Locations, Cooperators, Planting and Harvest Dates of Nebraska Soybean Test Plots in 2010

Location	Cooperator	Condition	Test	Date Planted	Date Harvested	Longitude	Latitude
Northeast District							
Dixon County	Haskell Ag Lab; Concord, NE	Rainfed	RR Early and Late Maturing	5/18/2010	10/8/2010	-96.58	42.23
Pierce County	Joel Carpenter; Pierce, NE	Irrigated	RR Early and Late Maturing	5/17/2010	10/6/2010	-97.83	42.20
East / South Central							
Furnas County	Steve Henry; Arapahoe, NE	Irrigated	RR Early and Late Maturing	5/17/2010	9/22/2010	-99.88	40.31
Clay County	UNL SCREC; Harvard, NE	Irrigated	RR Early and Late Maturing	5/28/2010	10/7/2010	-98.14	40.57
Southeast District							
Webster County	Daren Niemeyer; Bladen, NE	Irrigated	RR Early and Late Maturing	5/18/2010	10/12/2010	-98.67	40.33
Saline County	Dennis Broz; Wilber, NE	Rainfed	RR Early and Late Maturing	5/25/2010	10/8/2010	-97.11	40.47
Central District							
Howard County	Joe Jerabek; Ashton, NE	Irrigated	---	5/18/2010	10/13/2010	-98.73	41.20
	Dawson County, Kurt Kline; Lexington, NE	Irrigated	---	5/17/2010	10/4/2010	-99.67	40.76

Table B. Soil Type and Cultural Practices at 2010 Soybean Trial Sites

Location	Soil Type	Tillage	Previous Crop	Fertilizer	Herbicide
Northeast District					
Dixon County	Alcester silt loam	Conventional	Corn	None	2 oz/a Valor; 24 oz/a Durango (5/20/10)
Pierce County	Valentine fine sand	No-till	Corn	100 lbs Potash (60 lb K), 100 lbs Kmag (18 lb K, 18 lb Mg)	2 applications of Round-up Ultra Max @ 24 oz/a
East / South Central					
Furnas County	Hord silt loam	No-till	Corn	None	2 applications of glyphosate post-emergence
Clay County	Crete silt loam	Disc(fall)/Field Cultivated(spring)	Corn	None	2 applications of Round-up Power Max @ 22 oz/a
Southeast District					
Webster County	Hord silt loam	No-till	Corn	None	2 applications of glyphosate
Saline County	Crete silt loam	No-till	Corn	None	2 pt. Extreme, Burndown with Round-up, Post: Round-up
Central District					
Howard County	Hord silt loam	No-till	Corn	35 lb N through pivot	2 post-emergence applications of glyphosate
Dawson County	Cozad silt loam	Conventional	Corn	None	Pre: 1 qt glyphosate, Sharpen; Post: 1 qt. glyphosate

Table C. Average Performance of Soybean Entries at Each Test Location - 2010

Test	Yield (bu/a)	Bushel Weight (lb/bu)	Lodging % (1=20, 5=100)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
Northeast District								
Dixon Early (Rainfed)	53.7	54.2	---	42	3413	35.7	19.2	12.62
Dixon Late (Rainfed)	53.8	54.4	---	43	3395	36	19	12.61
Pierce Early (Irrigated)	61.9	53.8	---	33	3355	36.4	18.8	12.7
Pierce Late (Irrigated)	63.8	54.6	---	34	3181	36.4	18.9	12.7
East/South Central								
Clay Early (Irrigated)	62.3	53.7	---	37	3185	36.1	18.5	12.5
Clay Late (Irrigated)	65.3	53.7	0.9	39	3103	34.9	18.8	12.3
Furnas Early (Irrigated)	69.7	56.0	2.1	41	2952	36.1	19.2	12.74
Furnas Late (Irrigated)	75.5	54.2	2.8	44	3041	35.7	19.1	12.6
Southeast District								
Saline Early (Rainfed)	30.0	51.3	---	28	3436	33.8	19.7	12.3
Saline Late (Rainfed)	35.9	48.3	---	30	3543	32.4	19.9	12.1
Webster Early (Irrigated)	76.6	56.0	1.5	40	3179	36.1	18.7	12.6
Webster Late (Irrigated)	72.5	56.7	2.0	44	3236	36.1	18.7	12.6
Central District								
Howard (Irrigated)	68.3	57.3	1.0	34	3357	33.6	19.9	12.36
Dawson (Irrigated)	62.2	57.3	1	35	3227	34.3	20.0	12.5

Table D. 2010 Soybean Entrant Brand and Hybrids Overview

Brand Name	Hybrid Varieties
Dyna-Gro Seed	31RY32, 31RY37, 32RY40, 33RY30, 33RY39, 36RY24, 37P37, 37RY33, 37T33, 38RY28, 38RY35, 39R29, 39RY25, V278RR
G2-Genetics	6279, 6311, 6373, 7250, 7260, 7288, 7290, 7330, 7350, 7373, 7383, 6279, 6373, 7226, 7230, 7249, 7250, 7260, 7288, 7290, 7330, 7350, 7373, 7390
Midland-Phillips	321NRR, 325NRR, 369NRS, 381NRR, 385NRS, 401NRS
NuTech	6281, 7269, 7274, 7297, 7322, 7359, 7388, 2707RR, 6224, 6244, 6281, 7235, 7269, 7274, 7322, 7359, 7369S, 7388
Sylvester	3610NRR, 3631R2, 3740NR2, 3850NR2, 3861NR2, 3920NRs, 3981NR2
Willcross	WC2350NS, WC2381N, WCRY2371N

Table E. 2010 Soybean Entry Brand, Hybrid, and Technology Details

Brand	Hybrid	Maturity Group	Flower Color	Pubesc	Pod	Hilum	Seed Rate	Herbicide	Nematode	Phytophtra R
Dyna-Gro Seed	36RY24	2.4	---	Tawny	Brown	---	11	RR2Y	R3,MR14	Rps1c
Dyna-Gro Seed	39RY25	2.5	---	Gray	Brown	---	12	RR2Y	none	Rps1c
Dyna-Gro Seed	V278RR	2.7	White	L.Tawny	Brown	Black	12	RR	none	Rps1k
Dyna-Gro Seed	38RY28	2.8	---	Gray	Brown	---	12	RR2Y	R3,MR14	Rps1c
Dyna-Gro Seed	33RY30	3	Purple	Gray	Brown	Im.Black	12	RR	R3,MR14	Rps1c
Dyna-Gro Seed	31RY32	3.2	---	Gray	Brown	---	12	RR2Y	MR3	Rps1c
Dyna-Gro Seed	37RY33	3.3	---	Gray	Brown	---	12	RR2Y	R3,MR14	Rps1c
Dyna-Gro Seed	39R29	---	---	---	---	---	---	---	---	---
Dyna-Gro Seed	37P37	3.7	Purple	Gray	Brown	Im.Black	12	RR	R3,MR14	HRps1K
Dyna-Gro Seed	38RY35	3.5	---	Gray	Brown	---	12	RR2Y	R3,MR14	Rps1C
Dyna-Gro Seed	31RY37	3.7	---	Gray	Brown`	---	12	RR2Y	MR3	none
Dyna-Gro Seed	33RY39	3.9	---	Gray	Brown	---	12	RR2Y	R3, MR14	none
Dyna-Gro Seed	32RY40	4	---	Gray	Brown	---	12	RR2Y	MR3	HRps1K
Dyna-Gro Seed	37T33	3.3	Purple	L.Tawny	Brown	Black	12	RR/STS	MR3	none
G2-Genetics	7288	2.8	Purple	L.Tawny	Brown	BL	10	---	---	Rps1K
G2-Genetics	7383	3.8	Purple	L.Tawny	Tan	BL	10	---	---	Rps1K
G2-Genetics	7226	2.2	Purple	Tawny	Brown	BL	10	---	---	Rps1K
G2-Genetics	7249	2.4	Purple	L.Tawny	Brown	BR	10	---	---	Rps1K
G2-Genetics	6311	3.1	White	L.Tawny	Tan	BL	10	---	---	Rps1K
G2-Genetics	7373	3.6	Purple	L.Tawny	Tan	BL	10	---	---	Rps1K
G2-Genetics	7230	2.3	White	L.Tawny	Brown	BL	10	---	---	Rps1C
G2-Genetics	7250	2.5	Purple	Gray	Brown	BF	10	---	---	Rps1K
G2-Genetics	7260	2.6	White	Tawny	Brown	BL	10	---	---	Rps1K
G2-Genetics	6279	2.7	Purple	L.Tawny	Brown	BL	10	---	---	Rps1K
G2-Genetics	7290	2.9	Purple	L.Tawny	Tan	BL	10	---	---	Rps1K
G2-Genetics	6293	2.9	Purple	L.Tawny	Brown	BL	10	---	---	Rps1K
G2-Genetics	7330	3.3	White	L.Tawny	Tan	BR	10	---	---	Rps1K
G2-Genetics	7350	3.5	White	L.Tawny	Brown	BR	10	---	---	Rps1K
G2-Genetics	6373	3.7	White	L.Tawny	Tan	BL	10	---	---	Rps1K
G2-Genetics	7390	3.9	White	L.Tawny	Brown	BL	10	---	---	Rps1K
Midland-Phillips	385NRS	3.8	White	Gray	Brown	Bf	9	---	---	---
Midland-Phillips	369NRS	3.6	Purple	Gray	Brown	1b	9	---	---	---
Midland-Phillips	325NRR	3.2	Purple	Gray	Brown	1b	9	---	---	---
Midland-Phillips	321NRR	3.2	White	L.Tawny	Tan	Br	9	---	---	---
Midland-Phillips	381NRR	3.8	White	L.Tawny	Tan	B	9	---	---	---
Midland-Phillips	401NRS	4	Purple	L.Tawny	Tan	B	9	---	---	---
NuTech	7297	2.9	---	---	---	---	10	---	---	---
NuTech	7274	2.7	---	---	---	---	10	---	---	---
NuTech	6244	2.4	---	---	---	---	10	---	---	---
NuTech	7269	2.6	---	---	---	---	10	---	---	---
NuTech	2707RR	2.7	---	---	---	---	10	---	---	---
NuTech	7235	2.3	---	---	---	---	10	---	---	---
NuTech	6281	2.8	---	---	---	---	10	---	---	---
NuTech	7359	3.5	---	---	---	---	10	---	---	---
NuTech	7369S	3.6	---	---	---	---	10	---	---	---
NuTech	7388	3.8	---	---	---	---	10	---	---	---
NuTech	6224	2.2	---	---	---	---	10	---	---	---
NuTech	7322	3.5	---	---	---	---	10	---	---	---
Sylvester	3610NRR	3	---	---	---	---	---	RR	---	---
Sylvester	3740NR2	3	---	---	---	---	---	RR	---	---
Sylvester	3850NR2	3	---	---	---	---	---	RR	---	---
Sylvester	3920NRs	3	---	---	---	---	---	RR	---	---
Sylvester	3631R2	3	---	---	---	---	---	RR	---	---
Sylvester	3861NR2	3	---	---	---	---	---	RR	---	---
Sylvester	3981NR2	3	---	---	---	---	---	RR	---	---
Willcross	WC2350NS	3.5	---	Grey	Brown	IB	10-170,00	STS	---	---
Willcross	WC2381N	3.8	---	Tawney	Tan	Black	9.5-160,000	RR2	---	---
Willcross	WCRY2371N	3.8	---	Grey	Brown	Black	10-170,000	RR2	---	---

Table F. 2010 Nebraska Soybean Performance Tests Entrants

Brand	Entrant	Address	Possible Contact
Dyna-Gro Seed	Dyna-Gro Seeds	P.O. Box 2050, Kearney, NE 68848	Dave Welch
G2 Genetics	G2 Genetics	36131 Hwy. 69 Forest City, IA 50436	Tom Thompson
Midland-Phillips	Midland-Phillips Seed Farms	980 Hwy 15, Hope, KS 67451	Don Phillips
NuTech	NuTech Seed Company	36131 Hwy. 69 Forest City, IA 50436	Tom Thompson
Sylvester	Sylvester Ranch Inc.	1906 Kingman Rd. Ottawa, KS 66067	Clyde Sylvester
Willcross	Willcross Seed	4564 US HWY 169, King City, Mo 64463	Steve Gillip

Northeast Early Maturing Soybean Variety Test - 2010, Dixon and Pierce Counties

Brand	Variety	Yield (bu/a)			Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)
		Average	Dixon	Pierce						
G2-GENETICS	7230	60	53	67	54.1	3400	36.6	19.3	766.4	40
DYNA-GRO	36RY24	58	55	62	54.9	3420	36.8	18.6	738.9	39
NuTech	6224	58	54	62	54.1	3470	36.3	18.9	729.9	39
NuTech	7235	58	53	62	53.8	3350	36.1	19.1	730.3	36
G2-GENETICS	7226	57	53	61	53.4	3550	35.6	19.4	721.5	37
NuTech	6244	57	53	61	54.2	3310	36.2	18.7	715.9	37
G2-GENETICS	7249	56	53	60	53.9	2970	36.0	19.0	711.5	36
Average of All Entries		**58**	**53**	**62**	**54.1**	**3353**	**36.2**	**19.0**	**730.6**	**38**
Difference required for significance ≤5%		**NS**	**NS**	**5**	**0.6**	**250**	**NS**	**0.4**	**NS**	**2**

Northeast Late Maturing Soybean Variety Test - 2010, Dixon and Pierce Counties

Brand	Variety	Yield (bu/a)			Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)
		Average	Dixon	Pierce						
G2-GENETICS	6279	62	55	69	55.0	3140	36.3	19.1	787.4	39
DYNA-GRO	V278RR	61	54	68	53.9	3170	36.6	18.6	768.2	39
G2-GENETICS	7250	61	54	67	54.8	3340	35.0	19.8	763.9	36
DYNA-GRO	39RY25	60	53	66	54.2	3140	36.4	18.9	756.7	36
G2-GENETICS	7260	58	56	61	54.3	3080	36.4	19.5	749.8	37
NuTech	7274	58	54	62	54.4	3340	36.3	18.5	729.8	36
G2-GENETICS	6311	58	52	64	54.9	3290	35.2	19.4	723.2	41
NuTech	7269	58	55	60	54.4	3600	35.7	19.2	724.4	41
G2-GENETICS	7288	57	52	62	54.5	3050	35.5	19.1	720.3	39
NuTech	2707RR	57	53	60	54.7	3060	36.9	18.5	717.8	40
DYNA-GRO	38RY28	56	54	59	54.2	3670	38.2	17.2	709.3	41
Average of All Entries		**59**	**54**	**64**	**54.5**	**3262**	**36.2**	**18.9**	**741.0**	**39**
Difference required for significance ≤5%		**NS**	**NS**	**4**	**NS**	**166**	**0.7**	**0.4**	**NS**	**3**

Northeast Early Maturing Soybean Variety Test, 2009- 2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
NuTech	6244	55	55	3310	35.1	19.1	634.0
G2-GENETICS	7249	54	55	2970	34.7	19.3	624.0
G2-GENETICS	7226	54	55	3550	34.6	19.6	628.0
NuTech	7274	56	55	3340	35.9	18.5	654.0
Average		**55**	**55**	**3293**	**35.1**	**19.1**	**635.0**
Difference required for significance ≤5%		**NS**	**NS**	**NS**	**NS**	**0.2**	**NS**

Northeast Late Maturing Soybean Variety Test 2009- 2010

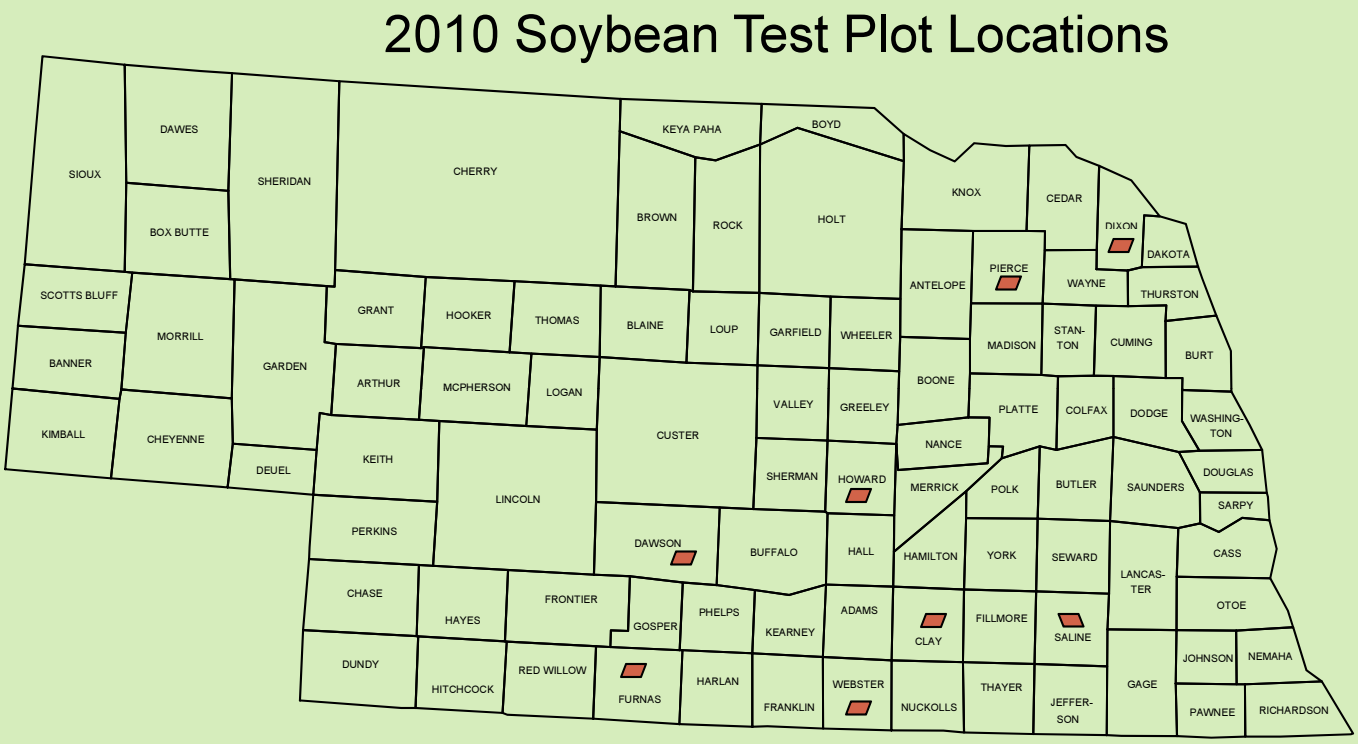
Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
G2-GENETICS	6311	56	56	3290	35.1	19.0	647.0
NuTech	7269	55	55	3600	35.2	19.2	644.0
NuTech	2707RR	55	56	3060	36.1	18.5	643.0
G2-GENETICS	7288	54	56	3050	35.4	19.1	629.0
Average		**55**	**56**	**3250**	**35.5**	**19.0**	**640.8**
Difference required for significance ≤5%		**NS**	**NS**	**NS**	**NS**	**0.4**	**NS**

East Central Early Maturing Soybean Variety Test - 2010, Clay and Furnas Counties

Brand	Variety	Yield (bu/a) Average	Clay	Furnas	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)	Lodging (1=20% 5=100%)
G2-GENETICS	6279	70	63	76	55.2	2720	36.4	19.3	891.4	37	2.2
NuTech	7274	69	63	76	54.6	2860	35.7	18.9	870.6	36	1.6
NuTech	7297	68	65	72	55.0	3280	35.1	18.9	852.3	40	2.2
G2-GENETICS	7290	68	64	72	55.0	3200	36.4	19.0	860.8	37	1.9
DYNA-GRO	38RY28	67	60	75	54.8	3060	37.1	18.3	852.7	40	1.7
DYNA-GRO	33RY30	67	63	72	55.6	3440	36.6	17.8	834.9	41	2.0
DYNA-GRO	V278RR	67	69	65	55.1	2850	36.2	19.2	855.8	38	2.6
MIDLAND-PHILLIPS	321NRR	67	58	75	54.2	3090	36.2	18.9	846.4	39	2.2
NuTech	6281	63	59	68	54.3	3000	35.7	19.3	803.9	38	2.6
G2-GENETICS	7288	62	59	65	54.5	2680	36.1	19.6	791.7	38	2.6
MIDLAND-PHILLIPS	325NRR	62	61	62	54.4	3130	36.9	18.2	775.8	43	2.5
G2-GENETICS	7260	59	60	59	54.2	2710	36.1	19.9	762.7	37	1.7
Average of All Entries		**66**	**62**	**70**	**54.7**	**3002**	**36.2**	**18.9**	**833.2**	**39**	**2.2**
Difference required for significance ≤5%		**NS**	**7**	**7**	**NS**	**237**	**0.8**	**0.6**	**NS**	**2**	**NS**

East Central Late Maturing Soybean Variety Test - 2010, Clay and Furnas Counties

Brand	Variety	Yield (bu/a) Average	Clay	Furnas	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)	Lodging (1=20% 5=100%)
DYNA-GRO	37P37	75	71	80	53.0	3090	35.9	18.1	929.3	44	1.7
MIDLAND-PHILLIPS	381NRR	75	69	80	53.1	3120	34.4	18.9	915.2	39	2.3
DYNA-GRO	31RY32	75	67	82	54.7	2980	36.4	17.9	924.7	40	1.3
DYNA-GRO	38RY35	74	69	79	54.3	3320	35.8	17.8	906.6	46	2.3
DYNA-GRO	37RY33	73	67	78	54.7	2950	36.4	18.0	901.5	44	1.3
DYNA-GRO	32RY40	72	66	79	51.6	3310	35.5	18.3	890.8	47	3.1
DYNA-GRO	37T33	72	66	79	54.4	3200	35.4	19.3	909.2	40	1.0
NuTech	7388	72	68	75	54.5	3100	34.5	19.1	881.7	40	2.1
G2-GENETICS	7330	71	64	79	54.2	3110	35.3	20.0	906.7	40	1.1
G2-GENETICS	7373	70	61	80	54.7	3050	35.0	20.0	890.0	41	1.4
G2-GENETICS	7383	70	63	77	53.2	2840	35.2	19.6	886.9	46	2.3
G2-GENETICS	7350	70	64	76	54.4	3000	34.3	19.0	856.5	44	1.3
G2-GENETICS	6311	70	67	73	54.2	2890	34.8	19.9	879.6	40	1.4
NuTech	7369S	68	61	75	54.5	3190	34.8	18.5	829.5	44	1.9
G2-GENETICS	6373	67	58	76	55.2	3100	34.6	20.1	848.1	40	1.2
NuTech	7359	66	69	62	53.0	2960	35.6	18.9	818.5	41	3.2
DYNA-GRO	39R29	65	62	69	54.9	3080	35.8	18.5	812.6	38	1.3
MIDLAND-PHILLIPS	369NRS	63	65	61	52.7	3050	36.0	18.8	793.8	41	3.3
Average of All Entries		**70**	**65**	**75**	**54.0**	**3074**	**35.3**	**18.9**	**876.7**	**42**	**1.9**
Difference required for significance ≤5%		**NS**	**5**	**7**	**1.8**	**219**	**0.8**	**0.5**	**NS**	**2**	**0.6**



East Central Early Maturing Soybean Variety Test, 2008-2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Lodging (1=20% 5=100%)
					2 Year Average			
NuTech	7274	64	54	2860	35.1	19.2	747.0	2.3
G2-GENETICS	6279	64	55	2720	35.6	19.5	756.0	1.9
G2-GENETICS	7288	61	54	2680	35.2	19.9	718.0	2.4
Average		63	54	2753	35.3	19.5	740.3	2.2
Difference req. for sig ≤5%		NS	0	NS	0.3	0.2	NS	NS
					3 Year Average			
G2-GENETICS	7288	54.7	53.6	2680	36.2	20.3	633	2.5

East Central Late Maturing Soybean Variety Test 2008-2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Lodging (1=20% 5=100%)
					2 Year Average			
G2-GENETICS	7373	67	55	3050	34.3	20.1	781.0	1.1
G2-GENETICS	6311	64	54	2890	34.4	20.0	752.0	1.2
DYNA-GRO	37P37	64	54	3090	35.3	18.3	736.0	1.4
G2-GENETICS	7383	63	54	2840	34.9	19.7	744.0	1.8
MIDLAND-PHILLIPS	369NRS	58	54	3050	35.3	19.0	680.0	2.8
Average		63	54	2984	34.8	19.4	738.6	1.7
Difference req. for sig ≤5%		NS	NS	NS	0.6	0.3	NS	0.5
					3 Year Average			
G2-GENETICS	7383	57	54	2840	36.2	20.1	659	1.9

Southeast Early Maturing Soybean Variety Test - 2010, Saline and Webster Counties

Brand	Variety	Yield (bu/a) Average	Saline	Webster	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)	Lodging (1=20% 5=100%)
DYNA-GRO	33RY30	60	37	83	56.1	3670	36.3	18.0	744.0	36	1.6
WILLCROSS	WCRY2371N	58	35	81	55.3	3040	35.5	19.0	721.1	36	1.7
DYNA-GRO	37RY33	57	35	79	56.0	3140	36.4	18.0	702.2	36	1.0
SYLVESTER	3920NRs	57	32	81	53.7	3490	33.1	19.4	683.3	35	1.7
DYNA-GRO	31RY32	55	31	78	55.4	3230	36.0	18.4	678.1	35	1.2
G2-GENETICS	7330	55	31	79	54.1	3410	34.6	19.9	688.4	36	1.0
G2-GENETICS	6311	54	27	80	53.2	3210	35.1	19.6	673.7	37	2.2
DYNA-GRO	37T33	53	31	74	52.9	3630	33.8	19.8	648.3	35	1.0
G2-GENETICS	7288	52	27	77	52.1	2890	35.6	19.6	661.3	33	1.7
MIDLAND-PHILLIPS	325NRR	52	25	78	52.3	3290	35.4	18.8	644.8	36	1.8
MIDLAND-PHILLIPS	321NRR	51	29	73	51.9	3130	34.8	19.5	633.9	34	1.2
G2-GENETICS	7260	44	20	69	47.9	3170	34.6	20.3	564.6	32	1.3
Average of All Entries		**54**	**30**	**78**	**53.4**	**3275**	**35.1**	**19.2**	**670.3**	**35**	**1.5**
Difference required for significance ≤5%		**5**	**9**	**6**	**NS**	**439**	**NS**	**0.8**	**64.0**	**NS**	**NS**

Southeast Late Maturing Soybean Variety Test - 2009, Saline and Webster Counties

Brand	Variety	Yield (bu/a) Average	Saline	Webster	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)	Lodging (1=20% 5=100%)
SYLVESTER	3740NR2	61	44	79	55.7	3410	34.6	19.1	758.6	41	2.0
G2-GENETICS	7390	61	44	78	53.8	3360	33.7	19.7	750.9	35	2.5
SYLVESTER	3981NR2	60	46	75	53.2	3520	34.1	18.9	735.4	42	1.8
DYNA-GRO	37P37	60	43	76	53.6	3130	35.6	18.5	737.2	40	1.2
SYLVESTER	3850NR2	59	41	77	52.9	3570	34.8	18.5	718.3	39	2.5
WILLCROSS	WC2350NS	58	41	76	52.9	3210	35.1	19.2	725.8	36	3.5
DYNA-GRO	31RY37	58	42	74	52.7	3410	33.1	19.7	708.8	35	1.5
DYNA-GRO	38RY35	58	44	72	53.2	3500	34.8	19.6	727.6	38	1.7
MIDLAND-PHILLIPS	381NRR	58	41	75	52.8	3380	34.0	19.2	707.4	37	1.5
WILLCROSS	WC2381N	57	41	73	52.1	3430	33.1	20.0	698.5	35	2.5
SYLVESTER	3861NR2	57	43	71	54.3	3230	35.0	18.8	702.9	38	1.5
SYLVESTER	3631R2	56	42	71	53.5	3570	34.7	19.2	698.5	41	1.8
G2-GENETICS	7373	56	43	69	52.5	3440	33.9	19.7	696.7	37	1.3
SYLVESTER	3610NRR	56	37	75	52.9	3340	34.5	19.4	693.4	37	3.0
DYNA-GRO	32RY40	55	32	78	50.7	3390	32.5	19.7	660.0	40	1.9
MIDLAND-PHILLIPS	385NRS	54	37	70	52.9	3540	33.7	19.6	659.8	37	2.1
G2-GENETICS	7350	53	37	70	52.7	3510	34.4	19.1	657.6	39	2.0
MIDLAND-PHILLIPS	401NRS	53	32	74	51.9	3300	34.5	19.6	661.4	39	1.2
MIDLAND-PHILLIPS	369NRS	52	32	73	51.4	3330	33.6	19.6	644.3	34	3.1
DYNA-GRO	33RY39	49	31	67	52.6	3100	34.9	19.3	609.3	41	1.7
G2-GENETICS	6373	48	31	65	52.3	3440	33.7	19.7	588.1	34	1.8
DYNA-GRO	39R29	44	27	61	51.2	3420	35.1	18.9	543.9	32	2.0
Average of All Entries		**56**	**39**	**73**	**52.8**	**3388**	**34.2**	**19.3**	**685.6**	**38**	**2.0**
Difference required for significance ≤5%		**7**	**9**	**9**	**NS**	**280**	**NS**	**NS**	**90.3**	**3**	**NS**

Southeast Early Maturing Soybean Variety Test 2009-2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
MIDLAND-PHILLIPS	325NRR	48.9	53.8	3290	35.5	18.8	568

Southeast Late Maturing Soybean Variety Test 2008-2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
				2 Year Average			
SYLVESTER	3740NR2	56	56	3410	35.1	18.8	646.0
SYLVESTER	3850NR2	54	54	3570	34.6	18.5	615.0
SYLVESTER	3610NRR	54	54	3340	35.0	19.3	627.0
DYNA-GRO	37P37	54	55	3130	35.4	18.5	621.0
WILLCROSS	WC2350NS	54	54	3210	34.5	19.1	621.0
WILLCROSS	WC2381N	54	54	3430	33.6	19.6	613.0
MIDLAND-PHILLIPS	385NRS	50	54	3540	33.9	19.3	574.0
Average		**54**	**54**	**3376**	**34.6**	**19.0**	**616.7**
Difference req. for sig ≤5%		**NS**	**NS**	**NS**	**NS**	**0.5**	**NS**
				3 Year Average			
MIDLAND-PHILLIPS	385NRS	50	55	3540	35.1	20.0	559

Central Irrigated Soybean Variety Test - 2010 Howard and Dawson Counties

Brand	Variety	Yield (bu/a) Average	Yield (bu/a) Howard	Yield (bu/a) Dawson	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Plant height (inch)	Lodging (1=20% 5=100%)
DYNA-GRO	V278RR	69	75	64	56.7	3050	33.8	20.2	862.6	33	1
DYNA-GRO	33RY30	69	74	64	58.0	3720	34.5	18.9	846.0	34	1
DYNA-GRO	38RY28	68	71	65	57.2	3420	34.6	19.5	850.9	36	1
NuTech	6281	68	70	66	56.9	3050	34.1	19.9	851.6	32	1
NuTech	7388	67	67	67	57.4	3510	33.7	19.2	817.5	36	1
NuTech	7359	66	69	64	57.3	3020	34.1	20.4	832.4	37	1.6
G2-GENETICS	7290	66	63	70	57.0	3220	33.0	20.2	816.3	34	1
NuTech	7322	66	70	62	56.7	3140	35.0	19.3	823.4	34	1
G2-GENETICS	6311	66	69	63	57.3	3320	33.5	19.7	808.4	34	1
G2-GENETICS	7373	65	68	62	58.0	3550	34.6	19.9	816.8	37	1
DYNA-GRO	37T33	65	66	63	57.6	3420	34.3	19.9	808.8	34	1
G2-GENETICS	6279	64	69	59	57.6	3140	34.4	20.1	802.9	33	1
G2-GENETICS	7330	64	65	62	57.3	3370	33.6	20.3	795.6	37	1
G2-GENETICS	7350	64	69	58	57.9	3240	33.9	19.8	788.4	39	1
DYNA-GRO	31RY32	63	68	57	57.7	3210	34.6	19.5	775.0	35	1
G2-GENETICS	7288	62	66	57	56.9	2940	34.1	20.4	774.3	36	1
G2-GENETICS	6373	61	64	59	57.5	3440	32.5	20.2	749.4	34	1
Average of All Entries		**65**	**68**	**62**	**57.4**	**3280**	**34.0**	**19.8**	**812.9**	**35**	**1**
Difference required for significance ≤5%		**NS**	**9**	**12**	**0.4**	**239**	**NS**	**NS**	**NS**	**2**	**0.1**

Central Irrigated Soybean Variety Test 2009-2010

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)	Lodging (1=20% 5=100%)
G2-GENETICS	7373	70	56	3550	34.5	19.8	813.0	1.3
G2-GENETICS	6311	69	57	3320	33.8	19.7	789.0	1.4
G2-GENETICS	6279	67	57	3140	34.8	19.6	773.0	1.0
Average		**69**	**57**	**3337**	**34.4**	**19.7**	**791.7**	**1.2**
Difference req. for sig ≤5%		**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

NEBRASKA GRAIN SORGHUM VARIETY TESTS
- 2010 -

CROP PRODUCTION SUMMARY

According to the National Agricultural Statistics Service, there were 155 thousand acres of grain sorghum planted in Nebraska in 2010. 75 thousand acres were harvested producing around 6,825 thousand bushels of grain. The average grain sorghum yield of Nebraska for 2010 was 91 bushels per acre (bu/a). The table below shows grain sorghum yields and the number of acres planted from the previous 10 years.

Average Nebraska Grain Sorghum Yield/Acres Planted (Last 10 Years)

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Yield (bu/a)	70	84	50	62	78	87	78	94	91	93	91
Thousand Acres Planted	600	550	450	660	550	340	370	350	300	235	155

Detailed information regarding crop progress and history can be obtained from the National Agricultural Statistics Service available online at http://www.nass.usda.gov

PROCEDURE

There was only one grain sorghum hybrid test at the UNL Mead ARDC in Saunders County.

Seed for testing was furnished by the entrant. Seeding was accomplished with cone mounted on commonly used row planters, two-row of 30 inches wide and 20 feet long plot were used.

Maturity of a hybrid is an important consideration in its adap-

Maturity of a hybrid is an important consideration in its adaptation to a given location. Entries were listed in data tables in order of decreasing yields. Maturity of a hybrid was recorded the day where the plant was at 50% bloom. Numbers in the table reflect the actual day in August that at least 50% of the head had bloomed. Variations occur in maturity among trials. In analyzing yield evaluations, hybrids should be compared with those having similar maturities.

Variations in soil fertility, moisture conditions and other factors affect varietal performance at a location for a season. So it is difficult to measure yielding ability of hybrids with absolute accuracy. For this reason, small yield differences have little meaning. A statistical measure of differences required for significance is given in each table. These differences were computed at the 5 percent levels of significance. At the 5% level, a difference of that magnitude would be expected once in twenty trials through chance alone.

RESULTS

Sixteen entries were planted at one location in Saunders County. The test was planted on no-till into soybean stubble on May 24th. It was harvested on November 4th, with an average yield of 69.3 bu/a (Table 1). All other information including entrant contact information is shown in Table 2.

Table 1. Grain Sorghum Variety Test at Mead in Saunders County- 2010

Brand	Hybrid	Yield (bu/a, 15.5%)	Harvest Moisture (%)	Bushel Weight (lb/bu)	50% Bloom August Day	Plant Height (cm)
DEKALB	DKS44-20	82	13.5	57.9	14	51
DEKALB	DKS53-67	81	13.5	58.5	15	49
DEKALB	DKS54-03	77	13.5	57.0	12	48
DEKALB	DKS54-00	77	13.6	57.8	13	51
DEKALB	DKS49-45	75	13.6	56.7	13	53
Syngenta	5556	73	13.8	55.0	15	44
DEKALB	DKS36-06	73	13.4	57.0	10	54
DEKALB	DKS37-07	73	13.6	56.6	15	50
Syngenta	H-486	70	13.5	55.1	16	43
Syngenta	5464	69	13.9	55.7	11	47
Syngenta	5745	67	13.6	55.0	12	47
Triumph	TRX05361	67	13.4	56.4	21	51
Syngenta	5613	64	13.3	56.7	15	47
Triumph	TRX84732	62	13.5	53.2	19	43
AA----	UNL3036	51	13.6	56.3	18	55
AA----	UNL3006	50	14.0	55.0	16	49
Average		**69**	**13.6**	**56.2**	**15**	**49**
LSD .05		**14**	**NS**	**2.9**	**8**	**2**

NS = Non significat at p≤0.05

Table 2. 2010 Grain Sorghum Test General Information

A **Locations, Cooperators, Planting and Harvest Dates**

Location	Cooperator	Planted	Harvested	Longitude	Latitude
Saunders County	UNL Mead ARDC	5/24/2010	11/4/2010	-96.410839	41.160131

B **Soil Type and Cultural Practices**

Location	Soil Type	Tillage	Previous Crop	Fertilizer	Herbicide
Saunders County	Tomek silt loam	No-till	Soybean	---	---

C **Average Performance of Entries**

Location	Yield (bu/a, 15.5%)	Harvest Moisture (%)	Bushel Weight (lb/bu)	50% Bloom August Day	Plant Height (cm)
Saunders County	69.3	13.6	56.2	15	49

D **Brand and Hybrids**

Brand	Hybrids Entered
DeKalb	DKS44-20, DKS37-07, DKS36-06, DKS53-67, DKS54-00, DKS54-03, DKS49-45
Syngenta	5745, 5613, 5556, H-486, 5464
Triumph	TRX05361, TRX84732
AA---- (UNL Entries)	UNL3006, UNL3036

E **Company Information**

Brand Name	Entrant	Address	Contact
DeKalb	Monsanto Company	7159 N. 247thWest Mt. Hope, KS 67108	Michael Lenz
Syngenta	Syngenta Seeds	11055 Wayzata Blvd Minnetonka, MN 55305-1526	Steve Sick
Triumph	Triumph Seed Co., Inc.	P.O. Box 1050 Ralls, TX 79357	Ben Benton

Cheyenne County Nebraska Dryland Sunflower Variety Trial 2010, Oil Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Flower Days after August 1	Height Inches
Mycogen	8N510	2190	25.9	6.0	10	71
Syngenta	3845 HO	2450	26.0	5.6	8	66
Mycogen	8N453DM	2280	27.8	6.1	9	72
Syngenta	3980 NS/CL	1840	24.6	6.3	10	73
Mycogen	8H449DM	2140	27.5	6.1	10	72
Croplan Genetics	460 E NS	1850	25.8	6.1	10	75
Croplan Genetics	356A NS	2080	26.6	6.3	9	64
Syngenta	3732 NS	1940	25.7	5.9	9	64
Syngenta	3875 NS	2070	25.8	6.0	10	67
Mycogen	8N358CLDM	2000	26.6	5.7	9	73
Mycogen	8N433DM	2090	24.3	6.0	9	70
Croplan Genetics	306 DMR NS	2210	26.2	5.6	8	68
Triumph	s668	1880	27.1	5.7	12	56
Triumph	s673	1930	25.6	7.1	13	56
Croplan Genetics	559 CL DMR NS	1630	26.2	5.8	10	74
Seeds 2000	Blazer CL	1930	26.7	6.2	11	75
Syngenta	4651 NS/DM	2100	26.5	6.5	9	74
Seeds 2000	X9866	2060	27.1	5.8	10	71
Seeds 2000	Firebird	1750	25.5	5.9	12	69
	AVERAGE	2017	26.2	6	9.9	68.9
	L.S.D. (05)	266	0.9	0.8	0.9	3.4
	c.v.	10.2	2.6	10.2	6.9	3.9

*Adjusted for 10% moisture

Site: University of Nebraska High Plains Ag Lab,Sidney

Planted: 1-Jun Harvested: 13-Oct Previous crop: Winter wheat

Fertilizer: 19 lbs N 22 lbs P2O5 starter fert/acre with planter sidedress 40 lbs/ acre N (from 32-0-0)

Herbicide: Prowl H2O herbicide 2 pt/acre Spartan 4F 2 oz/acre

Volunteer 12 oz. per acre Insecticide: Mustang Max 4 oz per acre

Scottsbluff County Nebraska Irrigated Sunflower Variety Trial 2010, Oil Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Flower Days after August 1	Height Inches
Mycogen	8N510	2360	29.1	9.0	25	48
Syngenta	3845 HO	2040	30.5	9.2	22	50
Mycogen	8N453DM	2790	32.2	11.2	26	55
Syngenta	3980 NS/CL	1880	28.3	10.8	26	64
Mycogen	8H449DM	2340	32.9	11.1	25	56
Croplan Genetics	460 E NS	2220	28.3	11.6	25	59
Croplan Genetics	356A NS	2180	29.7	10.5	24	48
Syngenta	3732 NS	2190	29.8	10.2	24	45
Syngenta	3875 NS	2350	30.3	11.8	24	54
Mycogen	8N358CLDM	2150	31.1	8.7	22	54
Mycogen	8N433DM	2400	29.4	9.6	24	52
Croplan Genetics	306 DMR NS	2450	28.9	9.6	23	49
Triumph	s668	1830	27.7	16.1	27	44
Triumph	s673	2080	28.0	12.7	27	40
Croplan Genetics	559 CL DMR NS	1820	30.6	10.1	25	64
Syngenta	4651 NS/DM	1680	24.5	12.9	26	59
Mycogen	8N421CLDM	2460	30.0	9.9	24	61
Advanta US, Inc	F91034NS,SU	2090	28.3	9.3	24	55
Advanta US, Inc	F89057NS,SU	1420	26.5	10.3	26	61
	AVERAGE	2144	29.3	10.8	24.6	53.6
	L.S.D. (05)	454	1.5	1.5	0.9	5.8
	c.v.	14.9	3.6	9.7	2.6	7.7

*Adjusted for 10% moisture
U of Nebraska Panhandle Station, Scottsbluff
Planted: June 25 Harvested: 2-Nov Previous crop: Corn
Fertilizer: 40 lbs N, 46 lbs S per acre, broadcast (ammonium sulfate)
19 lbs N 22 lbs P2O5 per acre, starter with with planter
Herbicide: 2 pt/acre Prowl H2O Insecticide: none
Additional notes: Harvest was delayed because no killing freeze until late October, No lodging

Cheyenne County Nebraska Irrigated Sunflower Variety Trial 2010, Confection Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Flower Days after August 1	Height Inches	SEED %>22/64	SIZE %>20/64
Triumph	TRX10454C	2220	19.1	12.0	14	70	76	93
Triumph	770CL	2040	19.0	16.1	22	80	32	77
Dahlgren	95EXCL-9530CL	2290	19.2	12.0	17	79	48	82
Mycogen	8C451	2490	18.1	9.3	17	75	74	91
Dahlgren	9569	2370	18.5	9.1	16	76	42	80
Seeds 2000	Jaguar	2390	19.1	9.8	14	62	53	85
Dahlgren	9579	2090	15.8	12.7	15	69	59	89
Seeds 2000	Panther II	2320	18.6	11.3	13	65	68	86
Triumph	747C	1950	17.4	14.4	15	68	53	88
CHS	RH3126RT	2180	20.2	11.2	14	74	39	72
	AVERAGE	2233	18.5	11.8	15.5	71.7	54.3	84.3
	L.S.D. (05)	308	0.9	2.2	1.4	4.1		
	c.v.	10.7	4.0	14.5	6	4.5		

*Adjusted for 10% moisture
Site: University of Nebraska High Plains Ag Lab,Sidney
Planted: 10-Jun Harvested: 15-Oct Previous crop: Hybrid Sorghum Forage
Fertilizer: 19 lbs N 22 lbs P2O5 starter fert/acre with planter
sidedress 40 lbs/ acre N (from 32-0-0)
Herbicide: Prowl H2O 2.5 pts per acre
Volunteer: 12 oz. per acre
Insecticide: Mustang Max 4 oz per acre

Cheyenne County Nebraska Irrigated Sunflower Variety Trial 2010, Oil Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Lodg %	Flower Days after August 1	Height Inches
Mycogen	8N510	2070	28.1	5.6	5	10	60
Syngenta	3845 HO	2340	29.2	5.3	6	9	58
Mycogen	8N453DM	2440	30.3	5.7	3	10	66
Syngenta	3980 NS/CL	1900	26.6	5.7	5	13	68
Mycogen	8H449DM	2430	30.2	5.4	5	11	68
Triumph	664	2300	28.2	5.6	2	11	69
Croplan Genetics	460 E NS	2420	27.4	5.3	3	11	70
Croplan Genetics	356A NS	2130	29.0	5.8	7	11	59
Syngenta	3732 NS	2410	28.8	5.6	12	10	58
Syngenta	3875 NS	2420	28.7	5.5	9	10	63
Mycogen	8N358CLDM	2270	29.5	5.3	6	9	62
Mycogen	8N433DM	2510	27.2	5.7	2	10	64
Croplan Genetics	306 DMR NS	2220	28.2	5.7	1	9	64
Triumph	s668	2320	28.8	5.5	1	14	52
Triumph	s673	1960	27.9	5.7	0	15	50
Croplan Genetics	559 CL DMR NS	1980	29.4	5.4	4	12	71
Seeds 2000	Blazer CL	2060	28.3	5.6	8	14	68
Syngenta	4651 NS/DM	2200	25.2	6.0	2	11	66
Seeds 2000	X9866	2220	28.4	5.7	3	11	68
Advanta US, Inc	F91034NS,SU	1780	27.8	5.6	6	10	64
Seeds 2000	Firebird	2260	27.8	5.8	3	14	65
Advanta US, Inc	F89057NS,SU	1780	27.7	5.7	7	13	71
	AVERAGE	2190	28.3	5.6	4.6	11.1	63.8
	L.S.D. (05)	475	0.7	0.4 ns	6.6 ns	1.2	5
	c.v.	16.6	1.9	5.9	109.9	8.3	6.2

*Adjusted for 10% moisture

Site: University of Nebraska High Plains Ag Lab,Sidney

Planted: 7-Jun Harvested: 14-Oct Previous crop: Hybrid Sorghum Forage

Fertilizer: 19 lbs N 22 lbs P2O5 starter fert/acre with planter sidedress 40 lbs/ acre N (from 32-0-0)

Herbicide: no premergence Volunteer: 12 oz. per acre

Insecticide: Mustang Max 4 oz per acre

Perkins County Nebraska Dryland Sunflower Variety Trial 2010, Oil Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Lodg %	Height Inches
Mycogen	8N510	1880	26.3	8.3	4	52
Syngenta	3845 HO	1970	27.9	8.3	1	49
Mycogen	8N453DM	1870	28.6	8.3	1	55
Syngenta	3980 NS/CL	1580	26.4	9.0	3	56
Mycogen	8H449DM	1640	28.3	8.5	10	52
Croplan Genetics	460 E NS	1550	27.0	8.7	4	55
Croplan Genetics	356A NS	1730	28.3	8.5	0	51
Syngenta	3732 NS	1790	28.9	8.8	6	51
Syngenta	3875 NS	1540	26.5	8.0	8	56
Mycogen	8N358CLDM	1880	26.2	7.1	5	53
Mycogen	8N433DM	1690	25.0	7.6	3	55
Croplan Genetics	306 DMR NS	1740	26.3	8.1	5	53
Triumph	s668	1380	29.0	9.4	11	41
Triumph	s673	1350	27.4	8.7	5	43
Croplan Genetics	559 CL DMR NS	1830	26.3	8.5	1	53
Syngenta	4651 NS/DM	1830	26.1	10.6	8	55
Seeds 2000	X9866	1590	26.3	8.3	6	58
Seeds 2000	Firebird	1510	27.3	9.8	0	50
	AVERAGE	1686	27.1	8.6	4.4	52
	L.S.D. (05)	272	0.9	0.7	13	3.8
	c.v.	11.4	2.5	5.7	215	5.1

*Adjusted for 10% moisture
Site: Lloyd Dahlkoetter farm, Grant, NE
Planted: 18-Jun Harvested: 18-Oct
Previous crop: Winter Wheat Fertilizer: 48 N, 24 P2O5, 6 K, 6S, .6 Zn Lbs/acre Herbicide: Spartan Charge 4 oz/acre

Scottsbluff Co Nebraska Irrigated Sunflower Variety Trial 2010, Confection Type

Brand	Hybrid	Yield* Lbs/Acre	Test Wt Lbs/Bu	Harvest H2O	Flower Days after August 1	Height Inches	SEED SIZE %>22/64	%>20/64
Dahlgren	95EXCL-9530CL	2860	21.0	10.9	27	56	71	92
Mycogen	8C451	2700	19.3	9.3	26	61	77	93
Dahlgren	9569	2640	21.2	11.9	26	62	66	87
Seeds 2000	Jaguar	2240	20.4	10.1	23	50	71	88
Dahlgren	9579	2510	18.5	10.9	26	59	75	93
Seeds 2000	Panther II	2210	19.5	11.0	23	53	90	96
CHS	RH3126RT	2650	20.5	13.3	24	58	67	89
	AVERAGE	2544	20.0	11.1	25	56.9	73.6	91.2
	L.S.D. (05)	N.S. 590	1.5	1.3	0.9	6.4		
	c.v.	15.6	4.9	7.9	2.5	7.5		

*Adjusted for 10% moisture
Site: University of Nebraska Panhandle Station, Scottsbluff
Planted: 25-Jun Harvested: 5-Nov Previous crop: Sugar beets
Fertilizer: 40 lbs N, 46 lbs S per acre, broadcast (ammonium sulfate)
19 lbs N 22 lbs P2O5 per acre, starter with with planter
Herbicide: 2 pt/acre Prowl H2O Insecticide: none
Additional Information: Harvest was delayed because no killing freeze until late October
No lodging

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NEBRASKA 2010 Alfalfa Variety Test Havelock, Lancaster County, Agronomy Research Farm Irrigated -- 2009 Seeding

Entry	Seeding Year TOTAL[1]	Dry Matter Tons/Acre 2010 19-May	28-Jun	26-Jul	27-Aug	6-Oct	TOTAL	PRR rating[2] 21-Jul
Released Cultivars								
Radiance HD	2.14	3.58	1.51	1.64	1.06	0.86	8.65	7.00
Syngenta6422Q	2.02	3.46	1.43	1.79	1.08	0.79	8.56	6.50
55V48	2.11	3.72	1.47	1.54	0.99	0.78	8.50	7.00
6417	2.13	3.66	1.39	1.56	1.04	0.80	8.46	6.75
Ameristand407TQ	2.05	3.77	1.33	1.57	0.97	0.81	8.46	5.50
6552	2.00	3.62	1.34	1.68	0.96	0.81	8.41	6.75
GH727	2.19	3.77	1.44	1.33	1.05	0.80	8.38	5.25
DKA43-13	2.08	3.45	1.41	1.67	0.99	0.85	8.37	7.25
Integra8400	2.05	3.97	1.36	1.38	0.93	0.72	8.35	4.25
54Q32	1.76	3.62	1.45	1.58	0.89	0.81	8.34	7.00
Mustang420Plus	2.07	4.05	1.43	1.26	0.83	0.76	8.32	4.50
DKA50-18	2.02	3.60	1.43	1.49	0.99	0.81	8.32	6.75
DG4210	1.85	3.41	1.40	1.63	1.00	0.86	8.30	6.25
Hybri+Jade	2.20	4.08	1.36	1.11	0.88	0.85	8.28	4.00
4S417	2.16	3.94	1.38	1.17	0.98	0.80	8.26	4.00
Ameristand403TPlus	2.13	3.81	1.53	1.28	0.92	0.71	8.26	5.75
6415	2.13	3.54	1.41	1.47	1.10	0.72	8.24	5.50
WL363HQ	1.92	3.41	1.43	1.54	1.02	0.79	8.18	8.00
6431	2.29	3.55	1.41	1.45	1.01	0.74	8.15	4.75
WL343HQ	1.93	3.64	1.23	1.41	1.01	0.78	8.07	5.50
Genoa	1.99	3.34	1.46	1.57	0.89	0.81	8.06	7.25
Rebound5.0	2.06	3.61	1.38	1.44	0.89	0.72	8.04	5.00
A4330	1.95	3.68	1.33	1.41	0.79	0.81	8.02	6.00
A5225	1.90	3.53	1.44	1.13	0.95	0.77	7.82	4.50
FSG329	2.14	3.43	1.35	1.28	0.89	0.74	7.69	5.75
FSG429SN	2.11	3.40	1.28	1.09	1.11	0.61	7.48	4.00
Wrangler	2.04	3.75	1.16	0.82	0.74	0.68	7.16	3.50
Vernal	2.12	3.42	1.01	0.48	0.67	0.52	6.10	1.75
Experimental Strains								
FG45M323	2.01	3.52	1.42	1.68	1.17	0.87	8.66	7.50
EnhancerII	2.00	3.85	1.48	1.42	1.01	0.77	8.54	5.75
375HY/BR	2.26	3.90	1.54	1.32	1.08	0.68	8.52	4.50
msSunstra-803	2.29	3.68	1.54	1.44	0.95	0.83	8.44	4.75
DS812-T	2.26	3.94	1.35	1.27	1.04	0.81	8.40	5.00
FG45M116	1.93	3.41	1.39	1.67	1.02	0.81	8.30	7.00
Winchester	2.18	3.69	1.43	1.42	0.95	0.76	8.25	4.25
TS4010	2.36	3.89	1.36	1.31	0.84	0.81	8.22	5.75
msSunstra-719	2.39	3.72	1.41	1.27	0.83	0.84	8.06	4.75
AV4211	2.13	3.66	1.39	1.43	0.85	0.73	8.05	5.75
HybriForce-2400	2.27	3.55	1.41	1.29	1.05	0.72	8.02	4.50
DS816-5	2.11	3.78	1.34	1.17	0.80	0.77	7.86	4.50
Experiment mean	2.09	3.66	1.39	1.39	0.96	0.77	8.16	5.50
CV (%)	8.58	10.03	12.17	17.57	19.88	13.05	8.60	23.29
MCV (%)	12.07	13.98	16.96	24.48	27.69	18.20	11.97	32.45
LSD (0.05)	0.25	0.51	0.24	0.34	0.26	0.14	0.98	1.78
LSD (0.25)	0.15	0.30	0.14	0.20	0.15	0.08	0.57	1.04
LSR (%)	24.65	25.63	22.29	17.81	17.34	21.54	20.70	22.31

1 =2 cuts

2 Spring and early summer rains led to persistently saturated soils. Above ground signs of phythophthora root rot or hypoxia were visible during 3rd growth period. Ratings: 1=all plants affected to 10=no visible symptoms.

DESIGN: Randomized block PLOT SIZE: 5 rows 3' by 12'

METHOD OF SEEDING: Carter cone drill PLANTING DATE: 4/29/2009

SOIL TYPE: Crete silt loam REPS: 4

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NEBRASKA 2010 Alfalfa Variety Test Havelock, Lancaster County, Agronomy Research Farm Irrigated -- 2010 Seeding

	Dry Matter Tons/Acre			
	2010			
Entry	30-Jun	5-Aug	20-Oct	TOTAL
Released Cultivars				
PhirstExtra	0.79	1.22	1.62	3.62
Hybri+Jade	0.77	1.35	1.36	3.47
Vernal	0.81	1.23	1.39	3.43
Hybriforce2400	0.89	1.21	1.28	3.38
Wrangler	0.76	1.13	1.35	3.25
Integra8400	0.83	1.09	1.32	3.24
DKA50-18	0.67	1.25	1.30	3.22
DKA43-13	0.72	1.19	1.30	3.21
WL343HQ	0.82	1.13	1.26	3.21
WL363HQ	0.83	1.15	1.20	3.19
DG4210	0.61	1.10	1.24	2.95
Experimental Strains				
BY812-T	0.83	1.40	1.39	3.62
BY723	0.80	1.25	1.36	3.42
FG46M329	0.69	1.20	1.20	3.10
FG46M328	0.70	1.12	1.27	3.08
Experiment mean	0.77	1.20	1.32	3.29
CV (%)	15.88	11.42	14.90	8.86
MCV (%)	22.47	16.15	21.08	12.53
LSD (0.05)	0.17	0.19	0.28	0.41
LSD (0.25)	0.10	0.12	0.17	0.25
LSR (%)	24.76	26.18	21.68	15.14

DESIGN: Randomized block PLOT SIZE: 5 rows 3' by 12'

METHOD OF SEEDING: Carter cone drill PLANTING DATE: 5-6-2010

SOIL TYPE: Crete silt loam REPS: 4

267 Plant Sciences Hall
Lincoln, Nebraska 68583-0911
402-472-1444 or 888-346-6242
FAX: 402-472-8652
http://www.unl.edu/ncia

The Nebraska Crop Improvement Association is dedicated to enhancing the economic viability and well-being of the people of Nebraska and the world, through value-added products and processes.

We will achieve this goal through an organizational structure which attracts the finest people, fully develops and challenges individual talents, encourages industry-wide collaboration to advance agriculture, and maintains the Association's historic principles of integrity.

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The purpose of this directory is to provide crop producers, decision makers, and the seed industry with a reference to seed sources in Nebraska for:

This seed book includes those members whose fields were planted with eligible seed stocks and whose applications for field inspection were received by the publication date.

Inquiries about seed supplies and prices should be directed to the growers and/or seed enterprises listed, not to the Nebraska Crop Improvement Association.

1. Certified Quality Seeds

In no case is the seed listed in this seed book yet **CERTIFIED**, for it must be conditioned, tested in the laboratory, and labeled with the official certification tag or bulk sale certificate before it can be offered for sale as Certified Quality Seed.

Seed producers, conditioners, and distributors voluntarily use the seed certification process to assure their customers that extra care has been taken to provide them with correctly identified, genetically pure seed. The **CERTIFIED SEED** label identifies seed meeting quality requirements and assures the buyer of obtaining reliable performance of the variety named on the label.

Each member is responsible for handling certifiable seed so it will also meet the Nebraska Certification Standards for physical purity and germination. The Nebraska Seed Law requires **EACH** container of seed be labeled as to its origin, the germination percentage and date of test, the percentage by weight of pure seed, other crop seed, weed seed, and inert matter. By studying both the **CERTIFIED LABEL**, a buyer can determine the quality of the seed. If Certified seed is purchased in the bulk, each sale is accompanied by an official Retail Bulk Sale Certificate, which includes the same information as a label.

Orders for Certified seed may be accepted by the listed growers, approved conditioners, and authorized distributors only with the understanding that they will be filled if and when **ALL** the certification requirements are completed.

2. Quality Assured Seeds

The purpose of the NCIA's seed Quality Assurance (QA) program is to provide an unbiased and uniform quality control process and marketing tool for crop seeds grown in Nebraska and merchandised as branded products as permitted by applicable seed laws.
Seed enterprises voluntarily participate and will customize the process to meet their individual needs by using some or all of the services including field inspection, seed analysis, record-keeping, and labeling. In order for a producer to label seed with the QA logo, all steps in the program must be completed satisfactorily, meeting the same goals and standards as Certified seed.

Notice to Buyer: ***Exclusion of Warranties and Limitations of Damages***

Seed bearing authorized Nebraska Certified Quality labels has met the minimum requirements outlined in the current edition of the *Nebraska Seed Certification Standards*.

The seed certification process relies upon samples and records provided by members/applicants which are beyond the control of the certifying agency.

Therefore, the Nebraska Crop Improvement Association *makes no warranties, expressed or implied, including warranty of merchantability, or fitness for a particular purpose concerning certified seed and hereby expressly disclaims the same.*

In no event shall the Nebraska Crop Improvement Association be responsible for *damages, actual, incidental, or consequential,* regarding certified seed provided by applicants/members and/or vendors.

However, complaints addressed to the Secretary of the Nebraska Crop Improvement Association will be investigated.

FOUNDATION SEED

The Nebraska Foundation Seed Division has available the following varieties for the purpose of seed certification.

Millet - Proso	Dawn	Earlybird	Huntsman	Sunrise	
Millet - Foxtail	Golden German	White Wonder			
Oats - Spring	Don	Jerry	Ogle	Rodeo	
Soybeans	NE1900				
Wheat - HRW	Alliance Arapahoe Buckskin Cougar	Culver Goodstreak Hallam Harry	Karl 92 Mace Millennium Niobrara	Husker Genetics McGill Brand Husker Genetics Overland Brand Husker Genetics Robidoux Brand Pronghorn	Scout 66 Wahoo Wesley 2137
Wheat - HWW	Antelope	Arrowsmith			
Grasses - Cool Season	NEAC2 crested wheatgrass Beefmaker intermediate wheatgrass		Manska pubescent wheatgrass		
Grasses - Warm Season	Pawnee big bluestem Camper little bluestem Trailway sideoats grama		Shawnee switchgrass Trailblazer switchgrass		

All inquiries about supplies of Foundation seed should be addressed to:

Husker Genetics
Foundation Seed Division
1071 CR G RM C
Ithaca, NE 68033
402-624-8038

PLANT VARIETY PROTECTION ACT and HOW IT BENEFITS YOU!

- Any varieties listed in this publication under the Plant Variety Protection Act will be marked with the PVP logo and further information will be given in the variety description.
- It takes up to ten years to develop a new variety. PVP encourages plant breeding research to produce even better varieties for tomorrow. Without PVP, plant breeders could not afford to invest capital into new varieties and would not be interested in breeding improved varieties.
- Most protected varieties can only be sold as certified quality seed. This helps ensure that the seed buyer gets the variety exactly as the breeder intended it to be.
- The use of certified quality, genetically pure seed allows the complementary varieties you've chosen to make the most of the growing environment. After all, if the seed is less than the best, the crop will be, too.
- The Department of Agriculture is responsible for enforcement of Plant Variety Protection violations in Nebraska. Private seed companies are authorized to take appropriate legal action. Contact the Department of Agriculture (402-471-2394) for more information about your rights and responsibilities with PVP varieties.

TURFGRASSES

Buffalograss is a long-lived, sod-forming, native warm-season perennial grass which reproduces by seed and spreads vegetatively by stolons (runners). It is very suitable for use under low to medium maintenance as an ecologically sound and energy efficient turf. It may be established by seed, plugs, or sod. Even without mowing, plants are very short height (6-8 inches). Buffalograss begins growth in mid to late May and begins to go dormant with the first frost. It has a light green color and fine textured leaves. It grows best in full sunlight and is adapted to a wide range of soil types. Buffalograss has a higher resistance to drought stress than cool-season turfgrasses, because it has an extensive, deep root system and less leaf surface area.

PVP **NaTurf brand BOWIE -** Bowie is a widely adapted variety that exhibits quality vegetative characteristics. It has low growth habit and a medium green color similar to Texoka and Tatanka. Bowie has a course to medium leaf texture similar to Cody and its winter survival is equal to Texoka and Tatanka. It has shown good disease tolerance to Leaf Spot and Dollar Spot and has good tolerance to the Buffalograss Mite. Bowie has excellent vigor and establishes quickly with excellent drought tolerance to resist going dormant under drought conditions. Bowie was developed though the cooperative efforts of the Native Turfgrass Group and the University of Nebraska. Seed of Bowie is produced and marketed exclusively under the direction of the Native Turfgrass Group. Unauthorized production and sale of seed is illegal. U.S Protected Variety U.S. Protected Variety (PVPA 1994). Certificate No. 200100201.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		
Custer	Arrow Seed Company	Broken Bow	308-872-6826		

PVP **NaTurf brand CODY -** Cody is a widely adapted, versatile turfgrass variety. It has low-growing plants which green up earlier in the spring and have a darker green color than most other buffalograss cultivars. It has a medium green color with excellent density and texture qualities. Once established and properly managed, Cody maintains a high quality turf throughout the summer. Excellent vigor and a good spread rate help it establish quickly. Cody was developed cooperatively by the members of the Native Turfgrass Group and the Nebraska Agricultural Research Division. Seed of Cody is produced and marketed exclusively under the direction of the Native Turfgrass Group. Unauthorized production and sale of seed is illegal. U.S. Protected Variety (PVPA 1994). Certificate No. 9600125.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		
Custer	Arrow Seed Company	Broken Bow	308-872-6826		

PERENNIAL FORAGE GRASSES

Big Bluestem is a native warm-season, sod-forming grass which grows rapidly from mid-spring to early fall. Plants are tall (6+ ft) and robust. It is highly palatable even after maturity and is a high producer of nutritious forage and hay. Big bluestem is adapted statewide for range seedling on subirrigated sites and for irrigated pasture in mixed or pure stands. In eastern Nebraska, it is adapted on silty and clay sites.

PVP **BONANZA -** Bonanza is a synthetic variety developed by three generations of breeding for improved forage yield and forage digestibility. It produces good forage yields with high digestibility that results in improved animal gains when utilized by beef cattle in well managed grazing systems. Bonanza is earlier in maturity than Kaw or Goldmine, similar in maturity to Pawnee, and later in maturity than Rountree and Bison. U.S. Plant Variety Protection Applied For. Certificate No. 200600049. Bonanza can only be sold as certified seed.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		50

CHAMP - Champ is a synthetic variety developed from divergent types of big bluestem and sand bluestem by Nebraska in cooperation with the USDA-ARS. It is a moderately late maturing grass averaging 5 to 10 days earlier than Pawnee. It is better adapted for use on sandy sites than other big bluestem varieties.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826		38

KAW - Kaw was selected by Kansas from native Flint Hills ecotypes. It is a very late maturing grass about a week later than Pawnee. It is best adapted for forage and conservation uses in southern Nebraska and adjacent areas.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		22
Lancaster	Miller Seed Company	Lincoln	402-438-1232	6	

PAWNEE - Pawnee is a synthetic variety developed from accessions collected in Pawnee county by Nebraska in cooperation with the USDA-ARS. It is late maturing and heads in late July to early August. It is a widely adapted, typical big bluestem of the central prairies.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		17
Custer	Arrow Seed Company	Broken Bow	308-872-6826		29
Lancaster	Miller Seed Company	Lincoln	402-438-1232		6

ROUNTREE - Rountree as selected by the Soil Conservation Service in cooperation with Missouri from native ecotypes collected in west central Iowa. It is about the same maturity as Pawnee. It is widely adapted and was selected for increased growth rate, superior forage production, and improved standability.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		15
Lancaster	Miller Seed Company	Lincoln	402-438-1232		10

Little Bluestem is a native, warm-season bunchgrass which grows rapidly from mid June to early August. Plants are medium height (3+ feet) and well tillered. It has good forage value when leaves are tender and succulent, but palatability is only moderate for fall grazing. Little bluestem is adapted statewide for use in warm-season mixtures and pure stands on most soils and sites. It is not as drought tolerant as blue grama.

ALDOUS - Aldous was selected by the Soil Conservation Service in cooperation with Kansas from native Flint Hills ecotypes. It is a very late maturing grass up to a week later than Camper. Plants are taller than other adapted varieties with good vigor.

County	Grower	Town	Telephone	Reg	Cert
Cass	C & H Mills Farm	Murdock	402-867-2956		21
	Stock Seed Farm	Murdock	402-867-3771		26

BLAZE - Blaze is a synthetic variety developed from ecotypes collected in Nebraska and Kansas. It is a late maturing grass, intermediate to Camper and Aldous. It is leafy, vigorous, and well adapted to the eastern half of Nebraska and adjacent areas.

County	Grower	Town	Telephone	Reg	Cert
Cass	C & H Mills Farm	Murdock	402-867-2956		7
	Stock Seed Farm	Murdock	402-867-3771		28

CAMPER - Camper is a synthetic variety produced by crossing two unrelated strains developed from original prairie sources by the USDA-ARS and Nebraska. It is a moderately late maturing grass, similar in maturity to Pawnee big bluestem. The combination of earlier maturity and diverse parentage provides wide adaptation.

County	Grower	Town	Telephone	Reg	Cert
Cass	C & H Mills Farm	Murdock	402-867-2956		30
	Stock Seed Farm	Murdock	402-867-3771		95
Custer	Arrow Seed Company	Broken Bow	308-872-6826		37
Lancaster	Miller Seed Company	Lincoln	402-438-1232		13

CIMARRON - Cimarron is a tall, leafy composite of many strains of little bluestem from southwest Kansas, Colorado, New Mexico, Texas, and Oklahoma. Being a composite, it exhibits great variability in plant types. Cimarron grows from 2 to 4 feet in height and performs well in all kinds of soils and in limited areas of precipitation.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Co.	Broken Bow	308-872-6826		15

Sand Bluestem is a native warm-season, sod-forming grass which is highly palatable and has good forage value throughout the year. Plants are tall (6+ feet) and robust. It is adapted throughout Nebraska for sand and loamy range sites and has a long growing season similar to big bluestem. It has very good grazing tolerance.

GARDEN COUNTY - Garden County is a vigorous, tall, leafy composite variety of ecotypes collected in Garden county, Nebraska, and selected by the Soil Conservation Service. It is well adapted to the northern and central Great Plains.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826		12

GOLDSTRIKE - Goldstrike is a synthetic variety developed through crossing western Nebraska Sandhills ecotypes with related strains by the USDA-ARS and Nebraska. It is a moderately late maturing grass and is well adapted throughout the central Great Plains.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		12
Custer	Arrow Seed Company	Broken Bow	308-872-6826		47

Sideoats Grama is a native warm-season, mildly sod-forming grass which grows rapidly in late spring and may stay green into late summer. Plants are medium height (3+ feet) and well tillered. Forage value and hay quality are good but low in yield. Drought tolerance is good. Sideoats grama is well adapted for use in native grass mixtures throughout Nebraska.

BUTTE - Butte is a variety selected by the USDA-ARS and Nebraska for superior seedling vigor and establishment from native Nebraska ecotypes. It is a medium (mid-summer) maturity grass, somewhat earlier than Trailway. It is widely adapted, especially for those areas with relatively short growing seasons.

County	Grower	Town	Telephone	Reg	Cert
Cass	C & H Mills Farm	Murdock	402-867-2956		39
Custer	Arrow Seed Company	Broken Bow	308-872-6826	4	33

EL RENO - El Reno is a variety selected by the Soil Conservation Service and Kansas from native Oklahoma ecotypes. It is a moderately late maturity grass somewhat later than Trailway. It was selected for leafiness, forage production, and vigor.

County	Grower	Town	Telephone	Reg	Cert
Cass	C & H Mills Farm	Murdock	402-867-2956	15	16

TRAILWAY - Trailway was selected from a naturally occurring hybrid population collected in Holt county by the USDA-ARS and Nebraska. It is well adapted to fine-textured upland soils of the central Great Plains but comparable in growth type to varieties originating farther south. It is a moderately late maturing grass.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826	10	7

Indiangrass is a native warm-season, sod-forming species which provides palatable forage and hay throughout the summer, nearly equal to big bluestem in quality. Plants are tall (6+ feet) and robust. It is well adapted throughout Nebraska for most soils and sites, for use in range or pasture seedings in pure stands, and in mixtures with other tall warm-season grasses.

HOLT - Holt was selected from native ecotypes collected in Holt county by the USDA-ARS and Nebraska. It is a moderately late maturing grass, somewhat earlier than most indiangrass varieties. It has superior forage production for its maturity.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		9
Custer	Arrow Seed Company	Broken Bow	308-872-6826		35

NEBRASKA 54 - Nebraska 54 was selected from native ecotypes collected in Jefferson county by Harold Hummel and released by Nebraska. It is a late maturing grass and is a few days earlier than Oto. Nebraska 54 is typical of central plains ecotypes.

County	Grower	Town	Telephone	Reg	Cert
Cass	Stock Seed Farm	Murdock	402-867-3771		10
Lancaster	Miller Seed Company	Lincoln	402-438-1232		23

Indian Ricegrass is a native cool-season bunchgrass. It ranges in height from 13 to 24 inches depending on precipitation. Indian Ricegrass is most commonly found on coarse textured and sandy soils. This grass is highly palatable to all classes of livestock. It provides excellent early spring feed, cures exceptionally well, and is valued as a winter feed for livestock.

NEZPAR - Nezpar Indian ricegrass was originally collected in 1935 from a site south of White Bird, Idaho, by the Pullman, Washington, Plant Material Center (PMC). It was selected from 152 accessions for its vegetative characteristics and low seed dormancy by the Aberdeen, Idaho, PMC and released in 1978. It is adapted to the Northwest and inter-mountain regions where precipitation averages 8 inches or above. It prefers gravely to loamy to sandy soils. It is noted for its large erect plant type, robust stems, abundant leaves, medium to small dark, nearly hairless elongated seeds, and good to excellent seedling vigor.

County	Grower	Town	Telephone	Reg	Cert
Scotts Bluff	Carl Thomas	Morrill	308-247-2096		20

Switchgrass is a native warm-season, sod-forming grass which grows rapidly in late spring and early summer. On adapted sites, it has high yield of good quality hay and forage if cut or grazed early. On fall and winter range, palatability is low. Plants are moderately tall (5+ ft), very well tillered, and robust. It is well adapted for use throughout the Great Plains for conservation plantings or in warm-season pastures. Most cultivars are susceptible to stem rust. In some years forage quality and seed yield may be affected.

BLACKWELL - Blackwell is an early pasture switchgrass. It is also a good soil erosion control grass. It is proven to be outstanding in leafiness, in total forage produced, and in resistance to rust and other diseases. It ranks well in seed production and in seedling vigor. Its forage yield is very comparable to Neb 28.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826		13

NEBRASKA 28 - Nebraska 28 was selected from a native meadow in Holt County and developed by Nebraska in cooperation with the USDA-ARS and Soil Conservation Sevice. It is a moderately late maturing grass about 2 weeks earlier than Pathfinder. It is well adapted to the northern Great Plains.

County	Grower	Town	Telephone	Reg	Cert
Lancaster	Miller Seed Company	Lincoln	402-438-1232		15

TRAILBLAZER - Trailblazer is the result of a basic genetic study designed to improve the forage quality of switchgrass. It is a 25 clone synthetic variety similar to Pathfinder in maturity, appearance, and area of adaptation. It was developed by Nebraska and the USDA-ARS.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826		23

Intermediate Wheatgrass is a moderately late maturing, cool-season, sod-forming grass that produces excellent quality forage for hay or grazing in the late spring, early summer and fall. It was introduced from eastern Europe in the 1930's and is well adapted to all Major Land Resource Areas in Nebraska. Intermediate wheatgrass is more drought tolerant than smooth brome but less tolerant than crested wheatgrass. Plants are medium height (4+ feet), well tillered, and robust.

PVP **BEEFMAKER -** Beefmaker is an excellent intermediate wheatgrass for grazing. The in vitro dry matter digestibility (IVDMD) rating is one to two percentage points higher than other released wheatgrasses such as Haymaker. Plant height for Beefmaker is 42.5 inches. The head length is 9.9 inches, and head width is 3.7 inches. The flag leaf is located approximately 30.9 inches from the ground. Beefmaker was developed by USDA-ARS and the University of Nebraska. U.S. Plant Variety Protection Applied For (PVPA 1994). Certificate No. 200400232.

County	Grower	Town	Telephone	Reg	Cert
Box Butte	Dan Laursen	Alliance	308-487-5541		20

HAYMAKER - Haymaker is a broadly adapted cultivar that produces high, stable forage yields when used for cool-season grass hay production or for pastures in the tall, mid-grass and short-grass eco-regions of the Central and Northern Great Plains. The forage quality of Haymaker as measured by *in vitro* dry matter digestibility and protein concentration is lower than Beefmaker but similar to that of other released cultivars of intermediate wheatgrass. Plant height is roughly 42 inches tall at maturity. The head length is about 10.3 inches long while the head width is 1/4 inch wide. The flag leaf is located approximately 32 inches from the ground. Haymaker was developed by USDA-ARS and the University of Nebraska. U.S. Plant Variety Protection Applied For (PVPA 1994). Certificate No. 200400234.

County	Grower	Town	Telephone	Reg	Cert
Scotts Bluff	Carl Thomas	Morrill	308-247-2096		5

Pubescent Wheatgrass is a long-lived, sod-forming, cool-season perennial grass that provides a nutritional pasture and is very palatable to all classes of livestock. It is closely related to intermediate wheatgrass but is distinguishable by the pubescence, or presence of short stiff hairs on the heads and seeds, is more winter hardy, much more drought tolerant, and with its ability to spread via rhizomes is a more vigorous sod. Adapted to wide range of soil, elevation and temperature conditions.

LUNA - Luna is a perennial, long-lived, rhizomatous, cool-season grass, similar to intermediate wheatgrass in appearance except having varying degrees of pubescence throughout the plant . "Luna is fairlv uniform, is a dark green color, and is less pubescent than other strains.

County	Grower	Town	Telephone	Reg	Cert
Scotts Bluff	Carl Thomas	Morrill	308-247-2096	8	

Western Wheatgrass is a native cool-season perennial, sod forming grass. It is a tenacious, dry range type of native grass which makes good spring grazing for several weeks before it becomes stemmy and unpalatable. Western wheatgrass is generally saline or alkaline tolerant. It does not do well on light soils but will tolerate periods of drought.

ARRIBA - Arriba is a rapidly germinating variety with good seedling establishment. It has dense, dark green, medium height foliage with aggressive rhizomes. Arriba was developed by the Plant Materials Center at Los Lunas, New Mexicao, from a selection found near Arriba, Colorado.

County	Grower	Town	Telephone	Reg	Cert
Box Butte	Dan Laursen	Alliance	308-487-5541	8	

SPRING WHEAT

TRAVERSE - Traverse is a highly adaptable semi-dwarf early maturing hard red spring wheat. It has a high yield potential along with good milling and baking characteristics. Traverse has good straw strength with stem rust resistance and moderate resistance to Fusarium head blight, leaf rust and stripe rust. Traverse was developed by the South Dakota Agricultural Experimental Station from the cross of SD3305/KS91W005-1-4//SD8089.

County	Grower	Town	Telephone	Reg	Cert
Box Butte	Dan Laursen	Alliance	308-487-5541		25

SPRING BARLEY

BURTON – Burton is a Russian wheat aphid-resistant, two-rowed, hulled, spring feed barley. It has a semi-lax spike that nods at maturity and its awns are long and rough. Burton is taller than Baronesses and under good moisture and fertility may lodge more than Baronesses. Burton has good heat and drought tolerance. Burton was developed by the ARS-USDA, and the Idaho, Colorado, Nebraska, and New Mexico Agricultural Experiment Stations from the cross of Baronesses/3/Crystal/2/Klages*3/PI 366450.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		40

OATS

COLT – Colt oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station and released in 2009. The line was tested as SD020883-29 and resulted from the cross SD97575/ND941119. Colt is an early maturing variety one day earlier than Don and two day earlier than Reeves. Colt was 3 inches taller than Don and four inches shorter than Reeves in 2008 trials. Colt, when compared to other early varieties, has superior grain yield and test weight. Colt has better crown rust resistance than Jerry, Don, and Reeves. Lodging is equal to Jerry, but better than Stallion. Kernels are high in Protein and the groat percentage is also high. Application for Plant Variety Protection with Title V certification has been applied for. A royalty fee will be collected on all sales of Registered and Certified seed.

County	Grower	Town	Telephone	Reg	Cert
Cedar	Jeff Steffen	Crofton	402-357-3740		25
Sheridan	Thorsen Family Farm	Gordon	308-282-0189		64

DON - Don is an early maturing variety, is short in height, and has good straw strength. Grain is dull white in color and has good test weight patterns with very acceptable milling performance. It has very good yield stability over a wide range of growing conditions. Don was developed by Illinois and the USDA-ARS from the cross Coker 234/2/Orbit/CI8168.

County	Grower	Town	Telephone	Reg	Cert
Washington	Todd Smith	Hooper	402-654-3895	10	

PVP **JERRY -** Jerry is a mid-season variety similar to Ogle and Settler. It is medium in height with very good standability. Jerry is widely adapted and shows very good yield stability for sites favoring mid-season maturity. It may be grown for either forage or grain. Grain is white in color, large, and has good test weight patterns. Jerry is moderately resistant to crown rust and moderately susceptible to barley yellow dwarf virus and stem rust. It was developed by the North Dakota Agricultural Experiment Station from the cross Valley/3/RL3038/Kelsey//M22/Kelsey. U.S. Protected Variety (PVPA 1994). Certificate No. 9600001.

County	Grower	Town	Telephone	Reg	Cert
Chase	Luhrs Cert Seed & Cond	Imperials	308-882-5917	220	
Custer	Arrow Seed Company	Broken Bow	308-872-6826		60
Washington	Todd Smith	Hooper	402-654-3895		9

REEVES - Reeves is a early maturing variety. It has a very good test weight and medium straw strength for a tall variety. Reeves is similar in maturity to Don and is approximately five inches taller with improved crown rust resistance, test weight, and protein percent. Reeves is also similar to Don in barley yellow dwarf virus and lodging resistance. It is rated moderately resistant for crown rust, barley yellow dwarf virus, and smut and is susceptible to stem rust. Kernels are medium to high in protein and high in oil percentage. Reeves was developed by South Dakota Agricultural Experiment Station and released in 2002.

County	Grower	Town	Telephone	Reg	Cert
Sheridan	Thorsen Family Farm Inc.	Gordon	308-282-0189	76	
Washington	Todd Smith	Hooper	402-654-3895	10	

RUSSELL - Russell is a medium late maturing variety, is tall in height, and has fair to good straw strength. Grain is creamy white in color with fair test weight patterns and acceptable milling performance. It is widely used in western Nebraska for forage and grain production and has good yield stability. Russell was developed at the Cereal Crops Division, Ottawa, Canada, from the cross Garry/Ukraine/2/Abegweit[2].

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	60	65

SHELBY 427 - Shelby 427 oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station and released in 2010. The line was tested as SD031128-330 and resulted from the cross SD99674/ND960851. Shelby 427 is an early maturing variety, one-two days earlier than Colt, four inches taller than Colt, and equal in height to Jerry. Shelby 427 has superior grain yield and test weight. It has better crown rust resistance than Colt. Lodging resistance is better than Jerry and Colt. Kernels have a high groat percentage.

County	Grower	Town	Telephone	Reg	Cert
Saunders	Rezac Seed	Valparaiso	402-784-3875	25	

STALLION - Stallion is a medium-late maturing variety that is 1-2 days later than Jerry. Stallion has superior grain yield, test weight, and groat percentage. It is similar to Jerry in barley yellow dwarf virus and stem rust resistance, but has better crown rust resistance. Kernels are white and are medium-high in protein and high in oil percentage. It may exhibit up to 0.5% tall off-types that are approximately 10 inches taller than the general population. Stallion was developed by the South Dakota Agricultural Experiment Station.

County	Grower	Town	Telephone	Reg	Cert
Custer	Arrow Seed Company	Broken Bow	308-872-6826		42
Saunders	Rezac Seed	Valparaiso	402-784-3875		22
Washington	Todd Smith	Hooper	402-654-3895		9

OAT VARIETY CHARACTERISTICS - 2011

Contact the Nebraska Crop Improvement Association, your nearby Certified Seed source, or Cooperative Extension Office for more information on variety adaptation, performance, and management.

		Agronomic Characteristics[2]					Disease Reaction[3]					
Variety	PVP Status[1]	Maturity (Days)	Test Weight	Plant Height	Straw Strength	Grain Color	Smut	Stem Rust	Crown Rust	BYD Virus	Protein[4]	Origin
Blaze	P-94	medium	good	medium	fair	tan	-	-	MS-MR	MT	medium	IL
Classic	N	early	-	mod short	good	yellow	na	na	na	na	na	IN
Don	N	early	good	short	good	white	R	MS	S	MT	medium	IL
Hytest	N	medium	v good	tall	good	cream	MR	MS	MS	MS	high	SD
Jerry	P-94	medium	v good	tall	v good	white	-	MS	MR	MS	med high	ND
Jim	N	med early	good	medium	good	yellow	R	S	S	MT	medium	MN
Loyal	N	Late	good	medium	good	white	R	MS	R	MS	medium	SD
Ogle	N	medium	fair	medium	good	yellow	MS	S	S	T	low	IL
Powell	N	medium	fair	mod short	good	yellow	na	na	na	na		ID
Prairie	P	medium	fair	medium	good	tan	MS	MS	MS	T	low	WI
Reeves	N	early	v good	tall	good	white	MR	S	MR	MR	medium	SD
Riser	N	early	v good	medium	good	yellow	R	S	R	MS	high	SD
Rodeo	P-94	medium	good	tall	good	yellow	S	-	MS-MR	MT	low	IL
Rodney	N	late	fair	tall	fair	white	MR	S	S	S	low	CAN
Russell	N	late	fair	tall	fair	white	R	S	S	S	medium	CAN
Settler	N	medium	good	mod tall	fair	white	MR	S	MS	MT	high	SD

1 U.S. Plant Variety Protection: N = not protected, A = PVP applied for, P = protected variety, 94 = Applied for or protected under revised PVP Act of 1994.

2 These comparative ratings are based on each variety's average performance within its area of adaptation under normal Nebraska growing conditions and cultural practices. Plant performance will be influenced by soil, weather, pests, and other production conditions. For yield comparisons, see EC 99-107A.

3 R=resistant; S=susceptible; MR=moderately resistant; MS=moderately susceptible; MT=moderately tolerant; T=tolerant. The reaction may vary depending on disease or development, management practices, and/or plant growth stage or deviations in genetic resistance within the variety.

4 A rank of medium means 15 to 16% grain protein content is typical.

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MILLET

GOLDEN GERMAN FOXTAIL – Golden German Foxtail millet is used as a dual purpose millet that can be cut for hay or grain. The stem is not as coarse as that of White Wonder, nor is the plant as tall. Mature plants exhibit considerable purple in the leaf sheath and leaves. Heads may reach six inches in length and when mature are golden brown. The seeds are rounded and yellow in color.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		53

DAWN PROSO - Dawn was developed at the Panhandle Center of the University of Nebraska. Dawn is a short millet with a tight panicle, about 4 to 5 days earlier to harvest than Panhandle. It ripens uniformly and is more resistant to shattering and lodging than Panhandle. Dawn has a large white seed, and the seed is similar in appearance to Panhandle. Dawn is adapted anywhere proso millet is grown. It may be direct-harvested rather than swathed because of its short stature and early maturity.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	85	

EARLYBIRD PROSO - Earlybird is a moderately early variety heading about 2 days later than Dawn and 2 days earlier than Sunup. Plant height is about 4 inches shorter than Sunup with good straw strength. While test weight is slightly less, yield has been similar to Sunup. Earlybird has a white seed coat and large seed size. It was developed by Nebraska from the cross Minco/NE76010//Rise/NE79017.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	80	

HORIZON PROSO - Horizon is earlier in maturity than Sunrise and Earlybird, and later than Dawn. Plant height is about 33 cm and has straw strength similar to Sunup. Horizon has shown no susceptibility to Russian wheat aphid. Horizon has a white seed coat and closed type panicle. The foliage is green in color and is similar to Sunup.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		53

HUNTSMAN PROSO - Huntsman is a moderately late variety heading about 1 day later than Sunup. Yield performance, test weight, plant height, and straw strength have all been similar to Sunup. Huntsman has a white seed coat and large seed size similar to Dawn. It was developed by Nebraska from the cross NE79012/NE79017/3/Cope//Dawn/Common.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		144

SUNRISE PROSO - Sunrise is a moderately early variety heading about 1 day earlier than Sunup. Plant height is about 3 inches shorter than Sunup with comparable standability. Test weight is above average. Yield performance has been slightly superior to Sunup. Sunrise is white-seeded, and seed size is large. It was developed by Nebraska from the cross NE83014/NE83007 and has parentage from Minn. 402, Dawn, Minco, and Panhandle.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		118

MILLET VARIETY CHARACTERISTICS – 2011

Variety[1]	Type	Maturity (Days)	Seed Color	Plant Height[2]	Straw Strength	Seed Size[3]
Cerise	Proso	early (-3)	light red	tall	poor	very small
Cope	Proso	late (+5)	white	tall	poor	large
Dawn	Proso	very early (-7)	white	short	good	medium
Earlybird	Proso	medium early (-3)	white	medium	good	large
German Strain R	Foxtail	late	golden	tall	good	-
Golden German	Foxtail	medium-late	golden	tall	fair	-
Huntsman	Proso	medium late (+3)	white	medium	good+	large
Panhandle	Proso	medium early (-2)	white	medium	poor	medium
Rise	Proso	medium (+1)	white	medium short	good	small
Siberian Red	Foxtail	medium	light orange	medium short	good	
Sno-Fox	Foxtail	early	cream	medium	good	-
Sunrise	Proso	medium (0)	white	medium short	good+	large
Sunup	Proso	medium (0)	white	medium	good+	medium
White Wonder	Foxtail	medium late	gray	very tall	good+	-

1 See EC99-107A for variety yield comparisons.

2 General Ratings: short < 33", medium = 34-40", tall > 40".

3 Seed size can vary by 100 seeds/5 grams (about 10,000 seeds/pound) or more depending on the growing conditions. General ratings; < 750/5 grams = large, 750-800/5 grams = medium, > 800/5 grams = small.

FIELD PEAS

PVP **DS-ADMIRAL -** Admiral is an early maturing yellow, semi-leafless pea with excellent harvestability. It has a medium seed size and is a dual purpose feed/food yellow pea. It is resistant to powdery mildew and lodging. U.S. Protected Variety (PVPA 1994). Certificate No. 200300244.

County	Grower	Town	Telephone	Reg	Cert
Cheyenne	Ben Barnhart	Sidney	308-249-0979		75

HYBRID SEED CORN

The following companies have requested field inspection under the NCIA certification or quality assurance process with the intent of producing quality seed of selected hybrids. These programs provide an unbiased, reliable quality control system through seed source verification, field inspection, seed testing, record-keeping, auditing, and labeling.

For information regarding specific products produced using these programs, please contact the participating company.

County	Grower	Town	Telephone
Adams	Remington Hybrid Seed Co.	Hastings	402-463-5581
Douglas	Syngenta Seeds	Waterloo	402-779-2531
Fillmore	Lauber Seed Professionals	Geneva	402-759-3102
Hamilton	Syngenta Seeds	Phillips	402-886-2257
Hall	Pioneer Hi-Bred International	Doniphan	402-744-3271
Madison	AgReliant Genetics	Battle Creek	402-675-2975
	SCS Farms	Madison	402-454-2884
York	Mycogen Plant Sciences	York	402-362-7441
	Pioneer Hi-Bred International	York	402-362-3349

NEBRASKA SEED QUALITY ASSURANCE® PROGRAM

The purpose of the NCIA's seed Quality Assurance (QA) program is to provide an unbiased and uniform quality control process and marketing tool for crop seeds grown in Nebraska and merchandised as branded products.

Seed enterprises voluntarily participate and will customize the process to meet their individual needs by using some or all of the services including field inspection, seed analysis, record-keeping, and labeling. In order for a producer to label seed with the QA logo, all steps in the program must be completed satisfactorily, meeting the same goals and standards as Certified seed.

The following seed enterprises have requested field inspection for certain acres of their proprietary branded products under the NCIA seed Quality Assurance program. Participation in this program demonstrates these NCIA members' efforts to use effective quality management in seed production and conditioning.

For more information regarding specific products produced using the QA program, please contact the participating seed enterprise.

Bio Gene Seeds	**888-862-3276**
NuPride Genetics Network	**402-472-1444**

SOYBEANS BUYERS' NOTICE

It is **important** that you read any Herbicide Tolerance Warranties and the Seed Usage Conditions set forth on the seed container, seed label, purchase agreement, invoice, or other documents of transaction. By opening the seed container you are accepting and agreeing to be bound by those conditions.

Roundup Ready® soybean seed includes a limited license under U.S. Patents 4,535,060; 4,940,835, and 5,352,605 for planting of a commercial crop. The crop grower agrees to pay Monsanto, through its licensed agents, a technology fee to be established by Monsanto. The grower agrees not to supply any of this seed to anyone for planting and agrees not to save any crop produced from this seed for replanting or supply saved seed to anyone for replanting. The grower agrees not to use this seed or provide it to anyone for crop breeding, research, or seed production.

STS® soybean seed contains a DuPont-developed trait providing enhanced tolerance to specific DuPont sulfonylurea soybean herbicides such as Synchrony® STS®, Reliance™ STS®, Classic®, and any additional herbicides to be developed or licensed by DuPont and as clearly noted on their herbicide label. Synchrony® STS®, Reliance™ STS®, Classic® are trademarks of E.I. DuPont de Nemourse & Co.

The buyer of these soybean varieties represents that he is purchasing the seed solely for purposes of producing a grain crop. The soybean seed, and any product from the seed, shall not be resold as seed or used for seed breeding purposes. The buyer agrees not to alter, or to permit the alteration of the seed, or any product of the seed, through genetic techniques or otherwise. **Use or sale of the crop produced from this seed is prohibited.**

APPROVED SEED CONDITIONERS

An active APPROVED SEED CONDITIONER system is very important and an integral part of Nebraska's certification program. Approved Conditioners are seed cleaning firms who are authorized by the Board of Directors to purchase field-approved seed and move it to their plants for conditioning, submit samples for testing, order tags or certificates, and merchandise the finished product on a retail basis.

The objectives of the Approved Conditioner program are:
1. To expand the marketing options of seed producers who may not have adequate cleaning or merchandising facilities.
2. To provide the retail seed trade with reliable high quality sources of seed as markets demand.
3. To improve the quality of seed available, while insuring maintenance of varietal purity.
4. To promote acceptance and use of Nebraska certified seed.

West District

Ag Operations Group	Big Springs	308-889-3429
Carter Certified Seed	Chappell	308-874-2892
Cullan Farms	Hemingford	308-487-5288
D & S Hansen Farms	Hemingford	308-487-3705
Heritage Seed Company Inc.	Crawford	308-665-1672
Kelley Bean Company	Scottsbluff	308-635-6438
Kriesel Certified Seed	Gurley	308-884-2424
Dewain Lockwood	Kimball	308-235-4104
New Alliance Bean & Grain	Alliance	308-762-8014
Petersen Seeds Inc.	Gordon	308-282-1523
Trinidad/ Benham	Bridgeport	308-262-1361
Westco	Morrill	308-247-2126

Southwest District

Dunbar Seed	Eustis	308-486-5590
Frenchman Valley Coop	Imperial	308-882-3224
Haskins Seed Cleaning	Wauneta	308-394-5530
Luhrs Certified Seed & Cond	Imperial	308-882-5917
Olson Livestock & Seed	Haigler	308-297-3283
R & C Sprinklers LLC	Ogallala	308-284-2114
Sharp Brothers Seed Company	Healy, KS	316-398-2231

Central District

Arrow Seed Company	Broken Bow	308-872-6826
Monsanto Co.	Kearney	308-234-9710
Muhlbach Seeds	Ravenna	308-452-3588

South Central District

Harlan Husa	Hebron	402-768-2423
Knobel Seeds	Fairbury	402-446-7394
Lauber Seed Professionals LLC	Geneva	402-759-3102
Maschmann Mills	Deshler	402-200-0004
Miller Seed & Supply Company	York	402-362-5516
Monsanto Co.	Waco	402-728-5249
Mycogen Plant Sciences	York	402-362-7441
Pioneer Hi-Bred International, Inc.	Doniphan	402-744-3271
Pioneer Hi-Bred International, Inc.	York	402-362-3349
Polansky Seed	Belleville, KS	785-527-2271
Remington Hybrid Seed Co.	Hastings	402-463-5581
Roberts Seed (Joe Roberts)	Axtell	308-743-2565
Star Seed, Inc.	Osborne, KS	913-346-5447
Syngenta Seeds Inc.	Phillips	402-886-2257
Darrel Wehnes and Sons	Inland	402-772-8101

Northeast District

Orchard Seed	Orchard	402-893-2445
The Seedhouse Inc.	O'Neill	402-336-1250

East Central District

Ag Reliant Genetics	Battle Creek	402-675-2975
Blair Seed Services	Blair	402-533-2244
Hoegemeyer Enterprises	Hooper	402-654-3399
Kaup Seed & Fertilizer	West Point	402-372-5588
W.A. Lafleur & Sons	Madison	402-454-2232
Seed Enterprises Inc.	West Point	402-372-3238

Southeast District

Anderson Seed	Odell	402-239-4865
Blue Valley Seed	DeWitt	402-239-0566
Cole Seed Farm, Inc.	Plattsmouth	402-298-8490
Husa Seed Farms	Wymore	402-674-3188
Lortscher Agri Service	Bern, KS	785-336-3046
Mayer Seed	Auburn	402-274-5743
Miller Seed Company	Lincoln	402-475-1232
Ohlde Seed Farms	Palmer, KS	913-692-4555
Rezac Seed	Valparaiso	402-784-3875
Rohlfing Seeds	Talmage	402-264-3515
Stock Seed Farm	Murdock	402-867-3771
Syngenta Seeds, Inc..	Waterloo	402-779-2531
Thimm Farms, Inc.	Beatrice	402-228-2222
United Seeds, Inc.	Omaha	402-331-4800

CUSTOM CERTIFIED CONDITIONERS

In Nebraska, the function of the Custom Certified Conditioner is solely to provide seed cleaning and handling services–services which prepare certifiable seed produced by members from inspected acres for marketing channels.

Seed conditioners in this category voluntarily request inspection by the Association to provide quality assurance for the seed producer and seed consumer. Custom Certified Conditioners are subject to minimal procedural and equipment guidelines which are enacted by the NCIA Board of Directors.

The objectives of the Custom Certified Conditioner program are:
1. To provide necessary conditioning services for seed producers and merchandisers who do not have adequate cleaning facilities.
2. To improve the quality of seed available while insuring maintenance of varietal purity.
3. To promote acceptance and use of Nebraska certified seed.

West District

*Radke Engineering, Inc.	Big Springs	877-588-3211

Southwest District

*Grain Conditioning Inc.	Eaton, CO	970-454-0695
*Greenbank Inc.	Fort Morgan, CO	800-615-4769

Southeast District

Kamterter Products LLC	Lincoln	402-466-1224

South Central District

Arlen Schlueter	Superior, NE	402-879-3717

*Portable Seed Cleaner

NOTE: Some firms listed as Approved Seed Conditioners also provide custom seed cleaning services.

2010 NCIA MEMBERS

Grower (GR) – A member who applies for field inspection services and used the services of either Custom or Approved Conditioners to prepare seed marketing channels.

Grower-Conditioner (GC) – A member who applies for field inspection services and has adequate facilities for conditioning his own seed produced from inspec acres in preparation for marketing channels.

Custom Certified Conditioner (CC) – A member who may or may not apply for field inspection services and has adequate facilities for conditioning seed produ from inspected acres (by himself or other members) in preparation for sale in marketing channels.

Approved Seed Conditioner (AC) – A member who may or may not apply for field inspection services, has adequate facilities for conditioning seed, and r purchase bulk uncleaned seed from inspected acres of a crop grown by another member for conditioning, tagging, and sale in marketing channels as a cl of certified seed.

Associate Member (AM) – Any other person, partnership, or corporation who would not be involved directly in the production, conditioning, or marketing of s but is interested in furthering the goals of the Association may become a non-voting member.

Ag Operations Group	3026 Rd. 199	Big Springs	69122	308-889-3429	AC
AgReliant Genetics LLC	PO Box C	Battle Creek	68715	402-675-2975	AC
Agrex Inc.	PO Box 447	Superior	68978	402-879-4774	GR
AgriHorizon/Excell Hybrids	PO Box 576	Arlington	68002	402-350-1699	GR
AgriPro Coker	PO Box 30	Berthoud, CO	80513	970-532-3721	GR
AgriPro Wheat	1705 Country Club Lane	Kingman, KS	67068		AM
Anderson Seed	42401 SW 61 Odell Rd	Odell	68415	402-239-4865	AC
Arrow Seed Company	PO Box 722	Broken Bow	68822	308-872-6826	AC
Kendall Atkins	3455 Rd 55 E.	Dix	69133	308-682-5647	GC
B & M Seed LLC	915 - 448 Rd.	Beaver Crossing	68434	402-532-7736	GR
Bargen Trucking Inc.	1347 Rd. 4100	Nora	68961	402-225-2164	GR
Ben Barnhart	12122 Rd. 6	Sidney	69162	308-249-0979	GR
Stuart Bartels Farms	34605 Rd. 725	Wauneta	69045	308-394-5423	GR
BioPlant Research	PO Box 320	Camp Point IL	62320	800-593-7708	AM
Blair Seed Services	525 S. 1 St.	Blair	68008	402-533-2244	AC
Blue Valley Seed	6237 W Dogwood Rd	DeWitt	68341	402-239-0566	AC
Ronald Bolte	2073 Rd. 1800	Blue Hill	68930	402-756-2107	GR
Bratney Companies	3400 - 109TH St.	Des Moines IA	50322	515-270-2417	AM
Broberg Farms	PO Box 586	Tilden	68781	402-368-5647	GR
D.K. Buskirk & Sons	7351 Gage Rd.	Hemingford	69348	308-487-3995	GC
C & C Farms	645 Rd. 3900	Superior	68978	402-879-4639	GC
Campstool Farms	102 Ridge Rd	Kimball	69145	308-235-7284	GR
Carter Certified Seed	15571 Rd. 14	Chappell	69129	308-874-2892	AC
Cast Farms, Inc.	4275 Van Dorn Rd.	Beaver Crossing	68313	402-532-7515	GR
Cole Seed Farm, Inc.	2101 Church Rd.	Plattsmouth	68048	402-298-8490	AC
Condon Farms, Inc.	86959 Hwy 13	Creighton	68729	402-358-3506	GR
Cooperative Producer Inc.	PO Box 1008	Hastings	68902	402-463-6875	BK
Crosbyton Int Seed Co.	306 E. Main	Crosbyton, TX	79322		GR
Cullan Farms	6733 Franklin Rd.	Hemingford	69348	308-487-5288	AC
Kenneth Degenhardt	6264 Rd. J	Hebron	68370	402-768-2352	GR
James J. Dolezal	16235 CR 63	Julesburg, CO	80737	308-289-5445	GR
Dunbar Seed	74921 Rd. 414	Eustis	69028	308-486-5590	AC
Darrel Eberspacher	787 - 308 St.	Seward	68434	402-761-3178	GR
F & J Farms	7315 Hwy 27	Goodland, KS	67735	785-899-6467	GR
Kirk Foster	44774 Rd. 794	Berwyn	68819	308-870-6276	GR
Foundation Seed Division	1071 CR G RM C	Ithaca	68033	402-624-8083	AC
Frenchman Valley Farmer Coop	143 Broadway	Imperial	69033	308-882-3224	AC
Gangwish Seed Farms Inc	PO Box 530	Shelton	68876	308-647-5301	GR
Gleason Farms, Inc.	724 S. Cameron Rd.	Wood River	68883	308-583-2413	GR
Grain Conditioning Inc.	1305 Black Hawk Rd.	Eaton, CO	80615	970-454-0695	GR
Greenbank Inc.	PO Box 1037	Fort Morgan, CO	80701	800-615-4769	CC
Greenkeeper Co. Inc.	PO Box 451123	Omaha	68137	402-333-8813	GR
Gross Seed Co. Inc.	HC 66 Box 13	Johnstown	69214	402-722-4215	AM
Richard Ham	33694 River Rd.	Benkelman	69021	308-423-2936	GR
D & S Hansen Frarms	982 CR 63	Hemingford	69348	308-487-3705	AC
Dale Henke	288 Elm St.	Syracuse	68446	402-269-2522	GC
Heritage Seed Co. Inc.	PO Box 544	Crawford	69339	308-665-1672	AC
Hoegemeyer Hybrids	1755 Hoegemeyer Rd.	Hooper	68031	402-654-3399	AC
Husa Seed Farms	46359 S. 108 Rd.	Wymore	68466	402-674-3188	AC
Harlan F. Husa	926 Rd. 7100	Hebron	68370	402-768-2423	AC
Illinois Foundation Seed	2840 O St Rd.	Seward	68434	402-643-3691	AM
IPSA	PO Box 241312	Omaha	68124	402-430-9440	AM
Von Johnson	519 Nasby St.	Cambridge	69022	308-697-4654	GC
William Junge	2621 - 590 Rd.	Gordon	69343	308-327-2823	GC

Kamterter II LLC	PO Box 30327	Lincoln	68503	402-466-1224	CC
Kaup Seed & Fertilizer	1101 S. Beemer St.	West Point	68788	402-372-5588	AC
KDH Sales	63947 - 725 Rd.	Auburn	68305	402-274-5665	GR
Kelley Bean Co.	28810 CR S	Brush CO	80723	970-842-5082	GR
Kelley Bean Co.	480 Hwyy 18 NE	Mayville, ND	58257	701-543-3000	GR
Kelley Bean Co.	PO Box 2488	Scottsbluff	69361	308-635-6438	AC
KFF	#29 Rolling Hills Rd.	Kearney	68845	308-234-4819	GR
Kirchhoff Farms, Inc.	4752 Hwy 8	Hardy	68943	402-236-8831	GR
Knobel Seeds	72055 567 Ave.	Fairbury	68352	402-446-7394	AC
Kriesel Certified Seed	4626 Rd 111	Gurley	69141	308-884-2424	AC
Kubik Seed Sales	1860 CR 31	Prague	68050	402-663-4379	GR
J.M. Kuehn Inc.	1639 40 Rd.	Heartwell	68945	308-563-2101	GR
Ladd Farm	PO Box 94	Nickerson	68044	402-727-9903	GC
W.A. Lafleur & Sons	111 E. 2 St.	Madison	68748	402-454-2232	AC
Lauber Seed Professionals LLC	549 R St.	Geneva	68361	402-759-3102	AC
Dan Laursen	7678 Madison Rd.	Alliance	69301	308-487-5541	GR
Laux Seed Farm	HC 85 Box 48	Bridgeport	69336	308-262-0512	GC
Kent/Kelly Lehmann	74376 Middle Canyon Rd.	Eustis	69028	308-486-5505	GR
Dewain Lockwood	3814 N Hwy 71	Kimball	69145	308-235-4104	AC
Lewis-Goetz & Company	PO Box 895	Pittsburg, PA	15230	412-787-2400	AM
DeWain Lockwood	1520 Axminster Lane	Estes Park, CO	80517	308-235-4104	AC
Luhrs Cert Seed & Conditioning	PO Box 759	Imperial	69033	308-882-5917	AC
Leon Lutkemeier	2357 - 400 Rd.	Bladen	68928	402-756-8488	GR
Bruce A. Madsen	5284 B Rd.	Nehawka	68413	402-263-5555	GR
Maschmann Mills	PO Box 428	Deshler	68340	402-200-0004	AC
Mayer Seed	637118-724 Rd.	Auburn	68305	402-274-5743	AC
Mettenbrink Farms	3042 N. Engleman Rd.	Grand Island	68803	308-382-8828	GR
Miller Seed & Supply	327 York Ave.	York	68467	402-362-5516	AC
Miller Seed Co. Inc.	1600 Cornhusker Hwy	Lincoln	68501	402-438-1232	AC
C & H Mills Farms	29606 Mill Rd.	Murdock	68407	402-867-2956	GC
Monsanto Co.	PO Box 73	Kearney	68848	308-234-9710	AC
Monsanto Co.	1506 Hwy 69	Waco	68460	402-728-5429	AC
Mueller Sod Farm	1680 - 83 St.	Columbus	68601	402-564-6364	GR
Muhlbach Seeds	46385 - 295 Rd.	Ravenna	68869	308-452-3588	AC
Mycogen Plant Sciences	1117 Recharge Rd.	York	68467	402-362-7441	AC
Nature Conservancy	1228 L St. Ste 1	Aurora	68818	402-694-4191	GR
Nebraska Ag Specialties	1717 E Hwy 6	Holdrege	68949	308-995-2246	BK
Nebraska Irrigated Seeds LLC	2005 N Somers Ave	Fremont	68025	402-721-6438	GC
Nelson Certified Seed	37629 W. Nelson Rd.	Wallace	69169	308-387-4698	GR
Lee E. Nelson & Sons	30951 Rd. W	Sutton	68979	402-773-4700	GR
New Alliance Bean & Grain	PO Box 619	Alliance	69301	308-762-8014	AC
Oliver Manufacturing	PO Box 512	Rocky Ford CO	81067	719-254-3480	AM
Olson Livestock & Seed	31921 Rd. 711	Haigler	69030	308-297-3283	AC
Orchard Seed	51243 - 862nd Rd	Orchard	68764	402-893-2445	AC
ORK Farms	PO Box 356	Grant	69140	308-882-7777	GR
Osler Farms	34550 Rd. 751	Elsie	69134	308-882-8437	GC
Paramount Seed	7682 CR Z	Quinter KS	67752	785-754-2151	GR
Stanley Pavelka	18350 S. Conestoga	Bladen	68928	402-756-3010	GR
Peters Seed Farms Inc.	71353 Rd. 378	McCook	69001	308-345-5170	GC
Petersen Farms Inc.	1420 E. Capital	Grand Island	68801	308-382-1672	GR
Petersen Seed Wheat	72264 Rd 410	Cambridge	69022	308-737-1482	GR
Petersen Seeds Inc.	204 S. Elm St.	Gordon	69343	308-282-1523	AC
Tim Peterson Farms	88648 - 469 Ave.	Stuart	68780	402-924-3441	GR
Peterson Genetics Inc.	1710 Adams St.	Cedar Falls IA	50613	319-266-1731	AM
Pioneer Hi-Bred Int'l Inc.	12937 S. Hwy 281	Doniphan	68832	402-744-3271	AC
Pioneer Hi-Bred Int'l Inc.	1410 Hwy 34	York	68467	402-362-3349	AC
Polansky Seed	2729 M St.	Belleville,KS	66935	785-527-2271	GR
Poppe Farms	200 Central Ave.	Grant	69140	308-289-1737	GR
Providence Farms/Keith Berns	932 Rd. X	Bladen	68928	402-756-1094	GC
R & C Sprinklers LLC	2 East B St	Ogallala	69153	308-284-2114	AC
Radke Engineering	3903 Maryhill Dr.	Cedar Falls IA	50613	877-588-3211	CC
Ramaeker Organic Farms	PO Box 1	Monroe	68647	402-495-3555	GR
Remington Hybrid Seed Co.	311 Rd. 3163	Hastings	68901	402-463-5581	AC
Rezac Seed	840 CR 31	Valparaiso	68065	402-784-3875	AC
Richmond Farms	76215 Rd. 330	Grant	69140	308-352-4472	GR
Roberts Seed	982 - 22 Rd.	Axtell	68924	308-743-2565	AC
Rohlfing Seed	4275 S Rd.	Talmage	68448	402-264-3515	AC
Rolling Meadow Ranch	PO Box 387	Hays Springs	69347	308-638-7549	GR
Jeff/Norman Rose	2016 Rd. S	Blue Hill	68930	402-756-2073	GR

John W. Scharf	74271 Hwy 18	Curtis	69025	308-367-4174
Scheitel Feed & Seed	Po Box 476	Falls City	68355	402-245-3712
Arlen Schlueter	24 Oak Ridge Rd.	Superior	68978	402-879-3717
Pete Schmit & Sons LTD	230-40 Rd.	Bellwood	68624	402-538-4645
Steve Schumacher	5865 Rd. 115	Dalton	69131	308-249-1752
Scoular Grain	2027 Dodge St.	Omaha	68102	402-342-3500
SCS Farms	PO Box 10	Madison	68748	402-454-2884
Seed Enterprises Inc.	679 - 19 Rd.	West Point	68788	402-372-3238
The Seedhouse	87194 - 494 Ave.	O'Neill	68763	402-336-1250
Sharp Brothers Seed Co.	PO Box 140	Healy KS	67850	316-398-2231
Todd Smith	27712 CR 10	Hooper	68031	402-654-3895
Spurgin Inc.	790 Rd E. R So.	Paxton	69155	308-289-0950
Star Seed Inc.	PO Box 228	Osborne KS	67473	785-346-5447
Starr Partnership	1140 W. Lochland Rd.	Hastings	68901	402-461-4229
Stateline Bean Producers Coop	801 Railroad St.	Gering	69341	308-436-2186
Jeff Steffen	55472 - 888 Rd.	Crofton	68730	402-357-3740
David Stock	28008 Mill Rd.	Murdock	68407	402-867-3771
Stock Seed Farm	28008 Mill Rd.	Murdock	68407	402-867-3771
Stokebrand Seed Inc.	2154 CR 2400	DeWitt	68341	402-683-4575
Syngenta Seed Treatment	#29 Rolling Hills Rd.	Kearney	68847	308-234-4819
Syngenta Seeds Inc.	PO Box 125	Phillips	68865	402-886-2257
Syngenta Seeds Inc.	PO Box 303	Waterloo	68069	402-779-2531
Thimm Farms Inc.	5104 W Hwy 136	Beatrice	68310	402-228-2222
Carl Thomas	10038 CR 10	Morrill	69358	308-247-2096
Thorsen Family Farm Inc.	1445 - 680 Rd.	Gordon	69343	308-282-0189
Todd Valley Farms	PO Box 202	Mead	68041	402-624-6385
Trinidad/Benham	PO Box 427	Bridgeport	69336	308-262-1361
UAP Ag Services	PO Box 98	Imperial	69033	308-882-4308
United Seeds Inc.	PO Box 27322	Omaha	68127	402-331-4800
V & F Farms Co.	PO Box 467	Chappell	69129	308-874-2840
Veburg Seed Farm	2706 N. W Rd.	Hordville	68846	402-757-3210
Ron Vlasin	790 CR 2350	Crete	68333	402-826-3422
Lloyd Vogt & Son	33726 Adams St.	Elmwood	68349	402-994-2475
Darrell Wehnes & Sons	PO Box 237	Inland	68954	402-772-8101
Ruben Wehnes	PO Box 237	Inland	68954	402-772-8101
Westbred LLC	14604 S. Haven Rd.	Haven, KS	67543	620-465-2675
Westco	PO Box 516	Morrill	69358	308-247-2126
Dale/Henry Wicke	PO Box 76	Wauneta	69045	308-394-5777
Scott Wilkins	2269 River Rd.	Marsland	69354	308-665-2408
Williams Lawn Seed Inc.	224 W So. Hills Dr.	Maryville MO	64468	800-457-9571
Woods Country Farm LLC	6161 - 330 Lane	Rushville	69360	308-327-2636
Dale/Linda Zoerb	RR 1 Box 105	Litchfield	68852	308-446-2366