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# EC11-101 Spring Seed Guide

Teshome H. Regassa
*University of Nebraska-Lincoln*, tregassa2@unl.edu

Greg R. Kruger
*University of Nebraska-Lincoln*, greg.kruger@unl.edu

Stevan Z. Knezevic
*University of Nebraska-Lincoln*, sknezevic2@unl.edu

Charles A. Shapiro
*University of Nebraska-Lincoln*, cshapiro1@unl.edu

bruce anderson
*University of Nebraska-Lincoln*, banderson1@unl.edu

***See next page for additional authors***

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Regassa, Teshome H.; Kruger, Greg R.; Knezevic, Stevan Z.; Shapiro, Charles A.; anderson, bruce; Santra, Dipak K.; and Krall, Jim, "EC11-101 Spring Seed Guide" (2011). *Historical Materials from University of Nebraska-Lincoln Extension*. 3794.
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**Authors**
Teshome H. Regassa, Greg R. Kruger, Stevan Z. Knezevic, Charles A. Shapiro, bruce anderson, Dipak K. Santra, and Jim Krall

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EC101

# 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


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

**NOVEMBER 2010**


**AUTHORS**

Teshome Regassa . . . . . .Department of Agronomy/Horticulture, Lincoln
Greg Kruger . . . . . .West Central Research and Extension Center, North Platte
Stevan Knezevic . . . . . .Department of Agronomy/Horticulture, Concord
Charles Shapiro . . . . . .Department of Agronomy/Horticulture, Concord
Bruce Anderson . . . . . .Department of Agronomy/Horticulture, Lincoln
Jim Krall . . . . . .University of Wyoming, Lingle, WY
Dipak Santra . . . . . .Department of Agronomy/Horticulture, Scotts Bluff



**ACKNOWLEDGMENTS**

This circular is a progress report of variety trials conducted by personnel of the Agronomy Department, West Central, and Northeast Extension Centers, and their associated agricultural laboratories and the associates of the University of Wyoming at SAREC. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service. Tests were supported in part by fees paid by commercial seed companies and the Nebraska Soybean Board.

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.

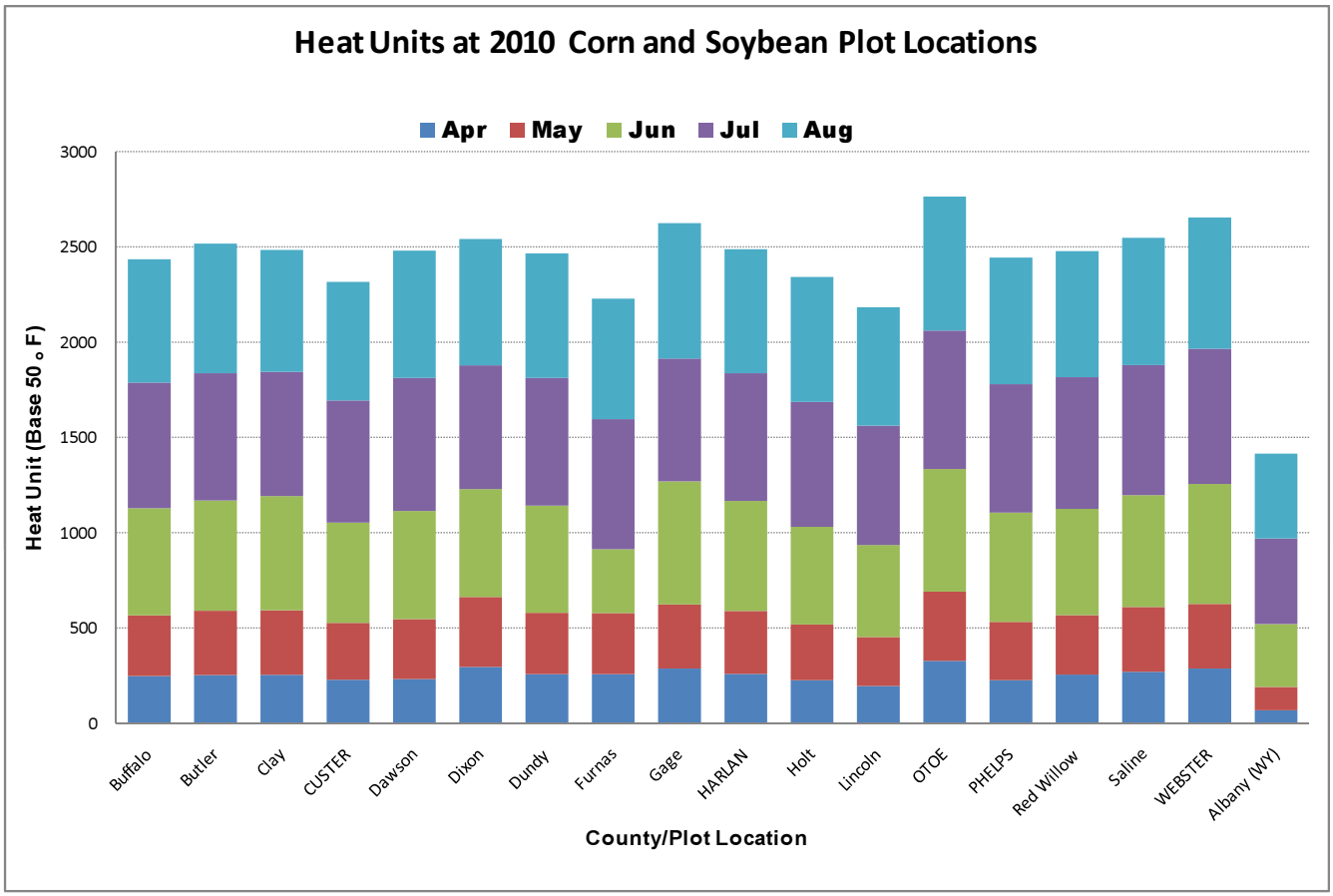
**Phelps County:** Gravity Irrigated; Previous crop: Soybean; Ridge till; Fertilizer: Pre: 106 lb N, 20 lb P, At planting: 6 lb N, 20 lb P, Post: 63 lb N; Herbicide: 10 oz. Radius + 1 lb atrazine; Insecticide: 7 oz. Capture.

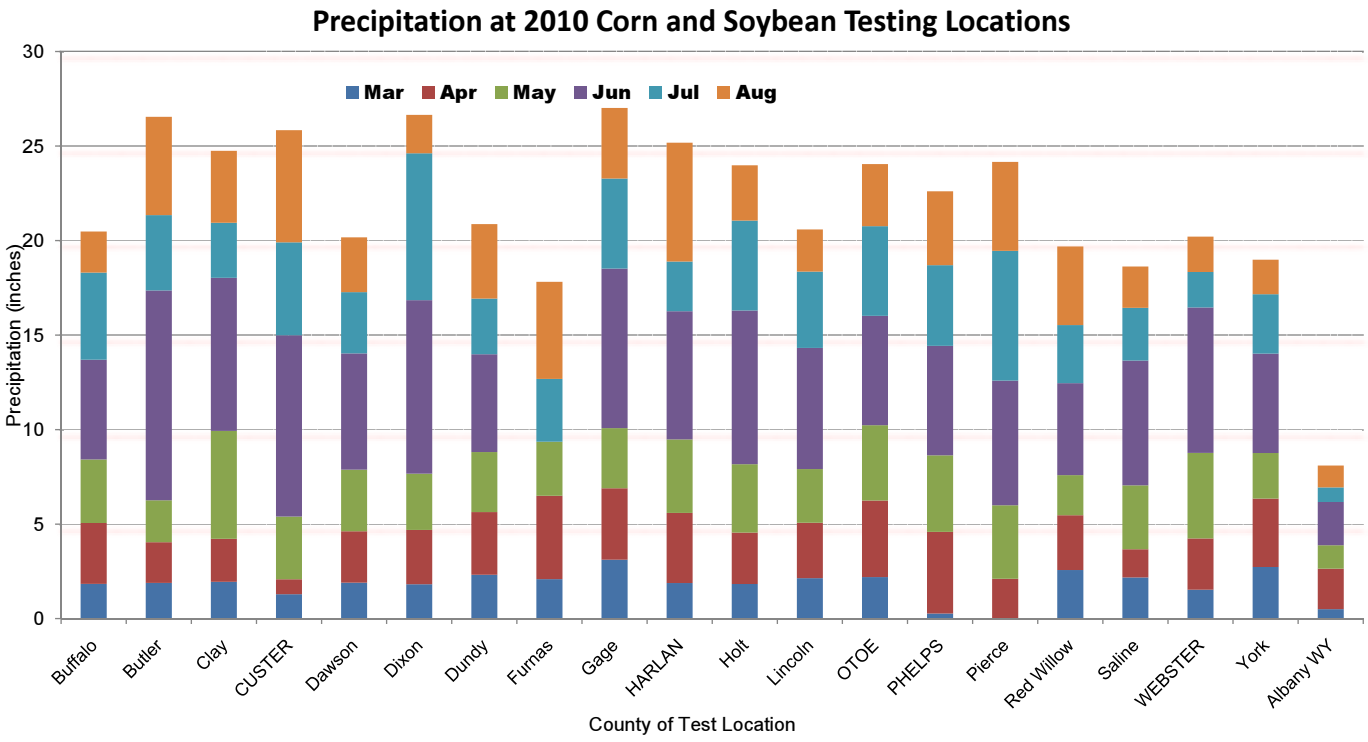
**Otoe County:** Rainfed; Previous Crop: Soybean; No-till; Fertilizer: 120 lb actual N; Herbicide: 3 qt. Lexar + 1 qt. atrazine.

**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 | --- | --- | --- |

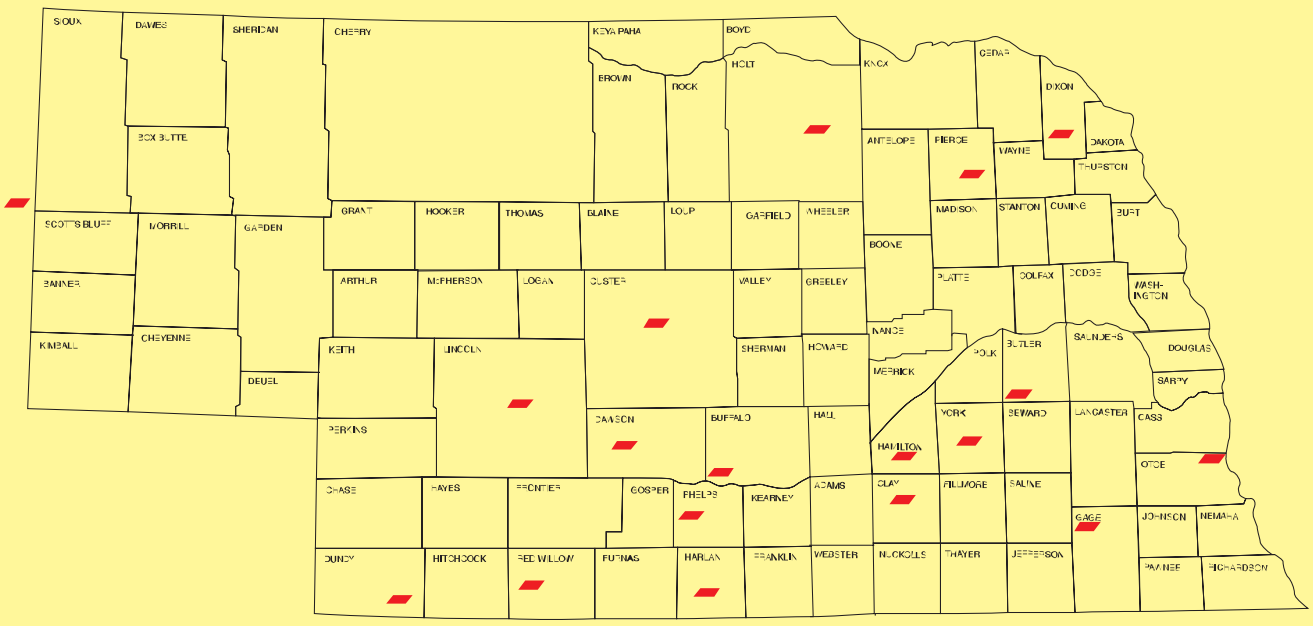
# Table E. 2010 Corn Entry Brand, Hybrid and Technology Details, Continued

| 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<br>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<br>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 | 2 Year Averages Yield (bu/a) | Harvest Moisture (%) | Bushel Weight (lb/bu) |
|---|---|---|---|---|
| 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) | 2 Year Averages Harvest Moisture (%) | Bushel Weight (lb/bu) |
|---|---|---|---|---|
| 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) | 2 Year Averages Harvest Moisture (%) | Bushel Weight (lb/bu) |
|---|---|---|---|---|
| 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 | 2 Year Averages Yield (bu/a) | 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 | 2 Year Averages 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**


**AUTHORS**

Teshome Regassa . . . . . .Department of Agronomy/Horticulture, Lincoln
Greg Kruger . . . . . .West Central Research and Extension Center, North Platte
Stevan Knezevic . . . . . .Department of Agronomy/Horticulture, Concord
Charles Shapiro . . . . . .Department of Agronomy/Horticulture, Concord
Bruce Anderson . . . . . .Department of Agronomy/Horticulture, Lincoln
Jim Krall . . . . . .University of Wyoming, Lingle, WY
Dipak Santra . . . . . .Department of Agronomy/Horticulture, Scotts Bluff

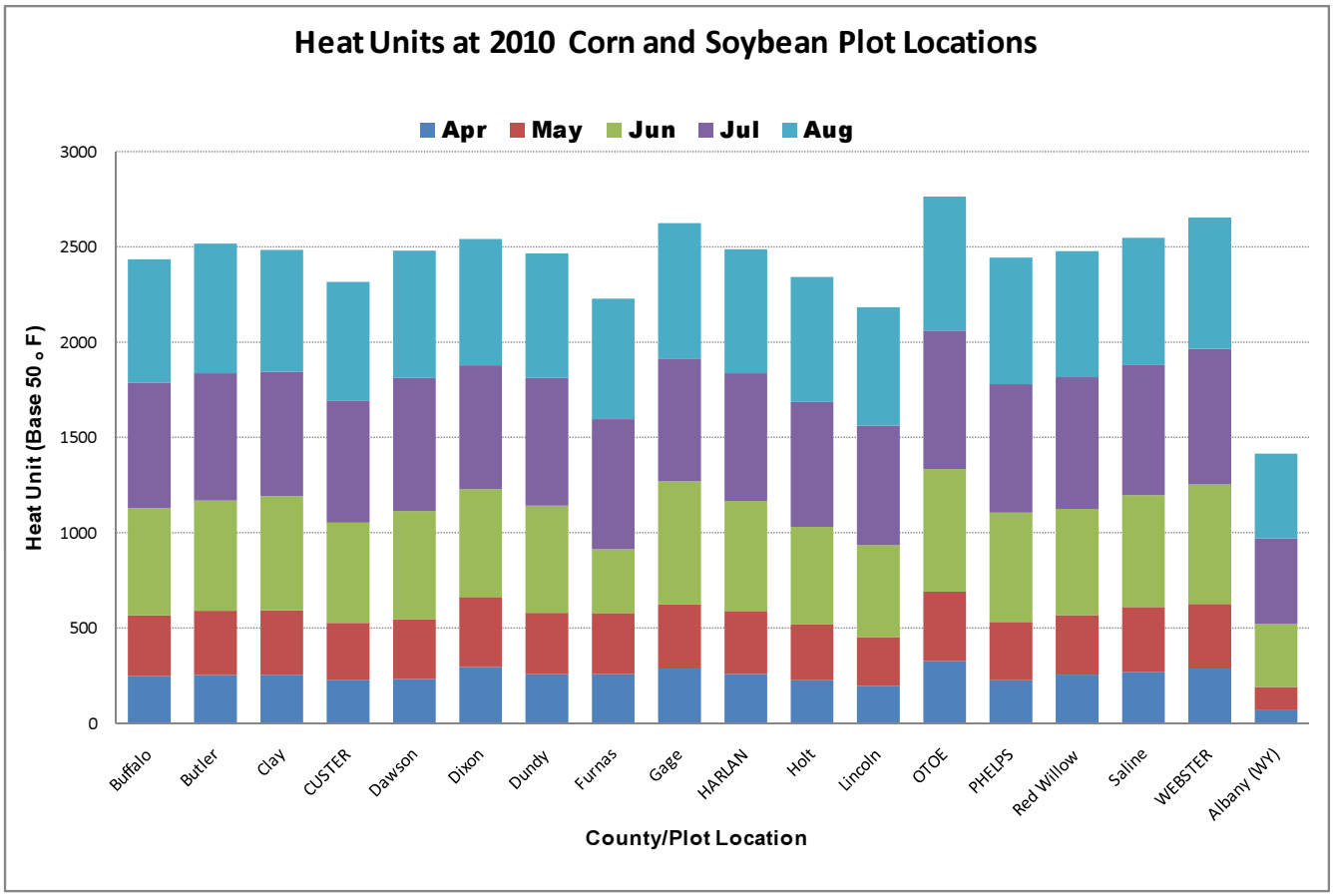


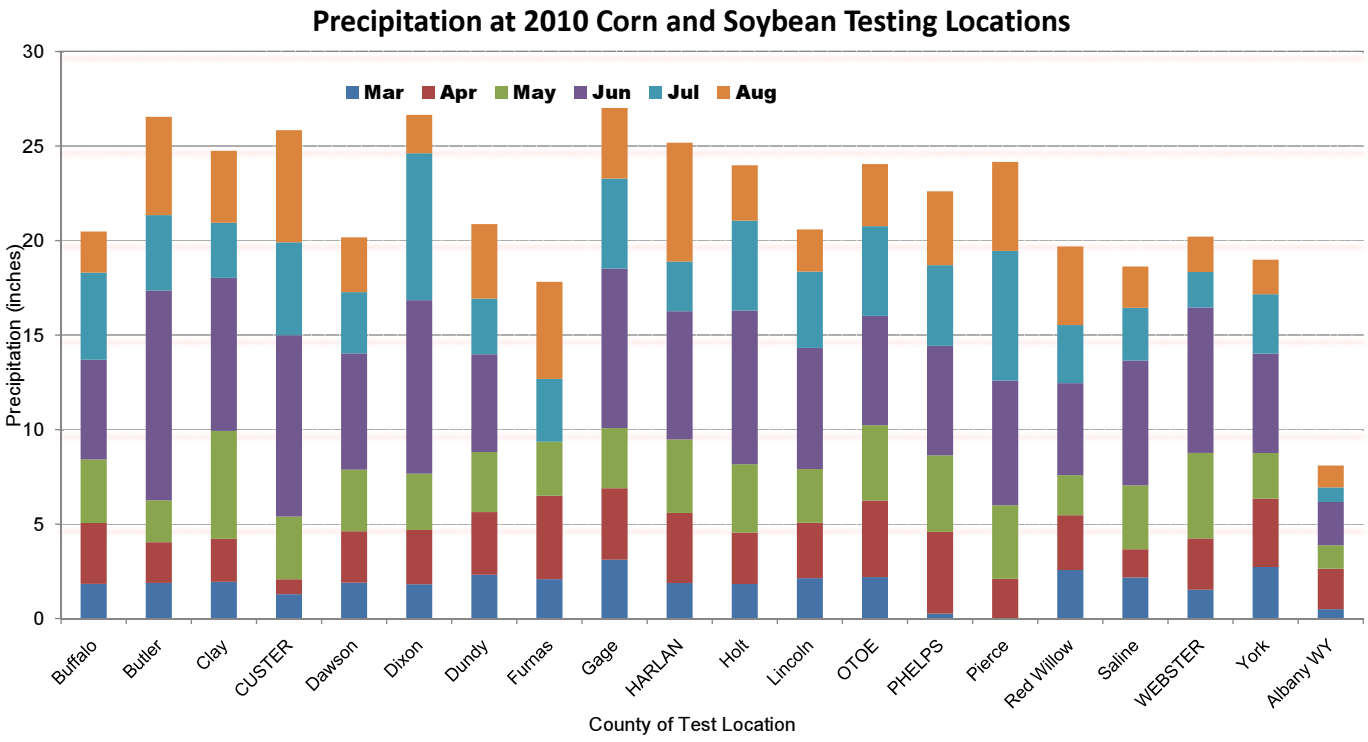
**ACKNOWLEDGMENTS**

This circular is a progress report of variety trials conducted by personnel of the Agronomy Department, West Central, and Northeast Extension Centers, and their associated agricultural laboratories and the associates of the University of Wyoming at SAREC. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service. Tests were supported in part by fees paid by commercial seed companies and the Nebraska Soybean Board.

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.


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.

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## 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** |

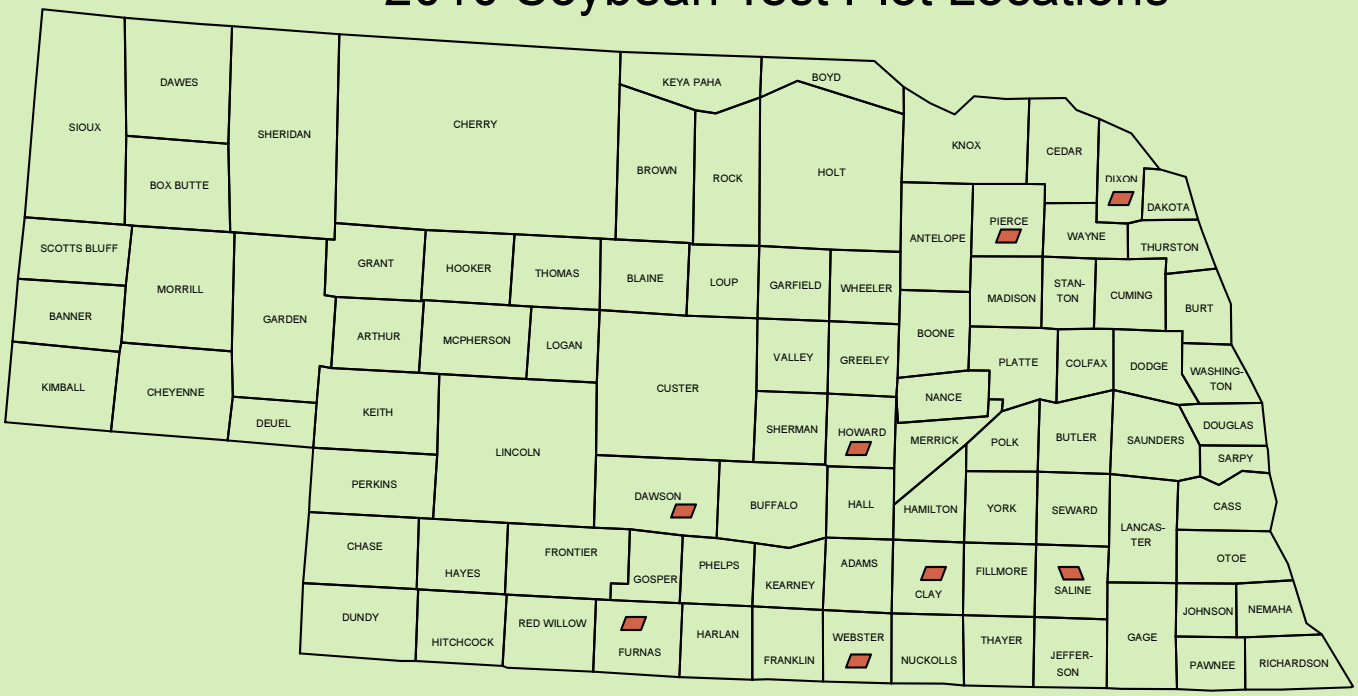
# East Central Early Maturing Soybean Variety Test - 2010, Clay and Furnas Counties

| 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** |

## 2010 Soybean Test Plot Locations



# 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 | Average | Yield (bu/a) 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 | Average | Yield (bu/a) 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 | Howard | 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 | SEED SIZE %>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

DO NOT REPRINT WITHOUT PERMISSION

# 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

NEBRASKA CROP IMPROVEMENT ASSOCIATION

**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.

**OFFICERS**

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Matt Keating, Kearney . . . . . Vice President (Satate-at-Large)
Arlo Cole, Plattsmouth . . . . . Treasurer (State-at-Large)

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Steve Pageler . . . . . Field Services Supervisor

**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<br>Arapahoe<br>Buckskin<br>Cougar | Culver<br>Goodstreak<br>Hallam<br>Harry | Karl 92<br>Mace<br>Millennium<br>Niobrara | Husker Genetics McGill Brand<br>Husker Genetics Overland Brand<br>Husker Genetics Robidoux Brand<br>Pronghorn | Scout 66<br>Wahoo<br>Wesley<br>2137 |
| **Wheat - HWW** | Antelope | Arrowsmith | | | |
| **Grasses - Cool Season** | NEAC2 crested wheatgrass<br>Beefmaker intermediate wheatgrass | | Manska pubescent wheatgrass | | |
| **Grasses - Warm Season** | Pawnee big bluestem<br>Camper little bluestem<br>Trailway sideoats grama | | Shawnee switchgrass<br>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.

# 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 |

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|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|
| 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 |