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EC05-101 Spring Seed Guide, 2006

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Nelson, Lenis Alton; Anderson, Bruce; Klein, Robert N.; Elmore, Roger Wesley; Baltensperger, David D.; Shapiro, Charles A.; Knezevic, Stevan Z.; and Krall, James, "EC05-101 Spring Seed Guide, 2006" (2005). *Historical Materials from University of Nebraska-Lincoln Extension*. 1615.
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Spring

SEED GUIDE 2006



Provided by:

- University of Nebraska—Lincoln Extension
- Institute of Agriculture and Natural Resources
- Department of Agronomy and Horticulture
- Nebraska Crop Improvement Association



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WELCOME TO THE 2006 SPRING SEED GUIDE

This is our third year of publishing the spring seed guide in this format. This guide includes alfalfa, corn, grain sorghum, soybean, sunflower, proso, and miscellaneous crop data from variety trials in Nebraska and surrounding areas. These guides are mailed out throughout the state and also are available through University of Nebraska Extension at county extension offices. We appreciate the support of advertisers who help defray the cost of publishing this information. We hope you find this guide useful in making hybrid and variety planting decisions for this spring. You can send comments to LNELSON1@unl.edu.

Individual plot data will continue to be available on the web at: <http://varietytest.unl.edu>. The information from Crop Improvement is also available on the web at: <http://www.unl.edu/ncia/>. Several NebGuides have been published to help you use variety test data to make decisions for your farm. They are available on the web at: <http://ianrpubs.unl.edu/fieldcrops/>.

Variety testing has a long history of Nebraska and involves many faculty and their staff. Although I coordinate the statewide effort in many crops many of the alternate crops are tested by David Baltensperger and his staff, Glen Frickel and Jim Margheim. The alfalfa and grass tests included in this book are conducted by Bruce Anderson. We also want to recognize Bob Klein and Jeff Golus at the West Central Research and Extension Center, Roger Elmore, Lori Abendroth, and Ralph Klein at the South Central Ag Lab, and Charles Shapiro, Stevan Knezevic, Jon Scott and Ray Brentlinger at the Northeast Research and Extension Center. In addition I would like to thank my staff John Eis and Greg Dorn. We also appreciate the cooperation of Jim Krall and Jerry Nachtman for conducting tests in Eastern Wyoming.

The crops in Nebraska faced many challenges in 2005. There were some cool temperatures around planting time but most of the season had above normal temperatures. Rainfall, as always, was spotty but the drought that we have experienced for several years was less severe in most parts of the state. Yields of our crops were above average but not as good as the 2004 crop in most areas. Commodity prices remain low which offsets the good yields.

Len Nelson
Professor of Agronomy

Spring SEED GUIDE 2006

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NEBRASKA VARIETY AND HYBRID TESTS

2005

EXTENSION CIRCULAR 05-101

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ACKNOWLEDGMENT

This circular is a progress report of variety and hybrid performance tests conducted by the Agronomy/Horticulture Department, the Northeast, West Central and Panhandle Research and Extension Centers, the South Central Agricultural Laboratory as part of the University of Nebraska and University of Wyoming at Torrington. 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 seed producers and distributors.

We invite you to visit our Web Site to view individual tables, the complete book or data from previous years. The URL is: <http://varietytest.unl.edu/>

Acknowledgment is made to Extension Educators and others who assisted in these trials. Special credit is due to farmers who furnished test sites. We also want to acknowledge the efforts made by our research technologists and technicians. John A. Eis, Greg Dorn, Jeff Golus, Glen Frickel, Ralph Klein, Jim Pavelka, Jerry Nachtman, James Margheim, Jon Scott, Ray Brentlinger and Lori Abendroth are to be commended for their efforts.

We want to thank the Nebraska Agricultural Statistics Service for crop data.

METRIC EQUIVALENTS

1 centimeter = 0.394 inches

1 hectare = 2.471 acres

1 kilogram = 2.205 pounds

1 hectoliter = 2.838 bushels

Kilogram/hectoliter = lb/bu x 1.287

Kilograms/hectare = bu/A x 62.78 (56# bu)

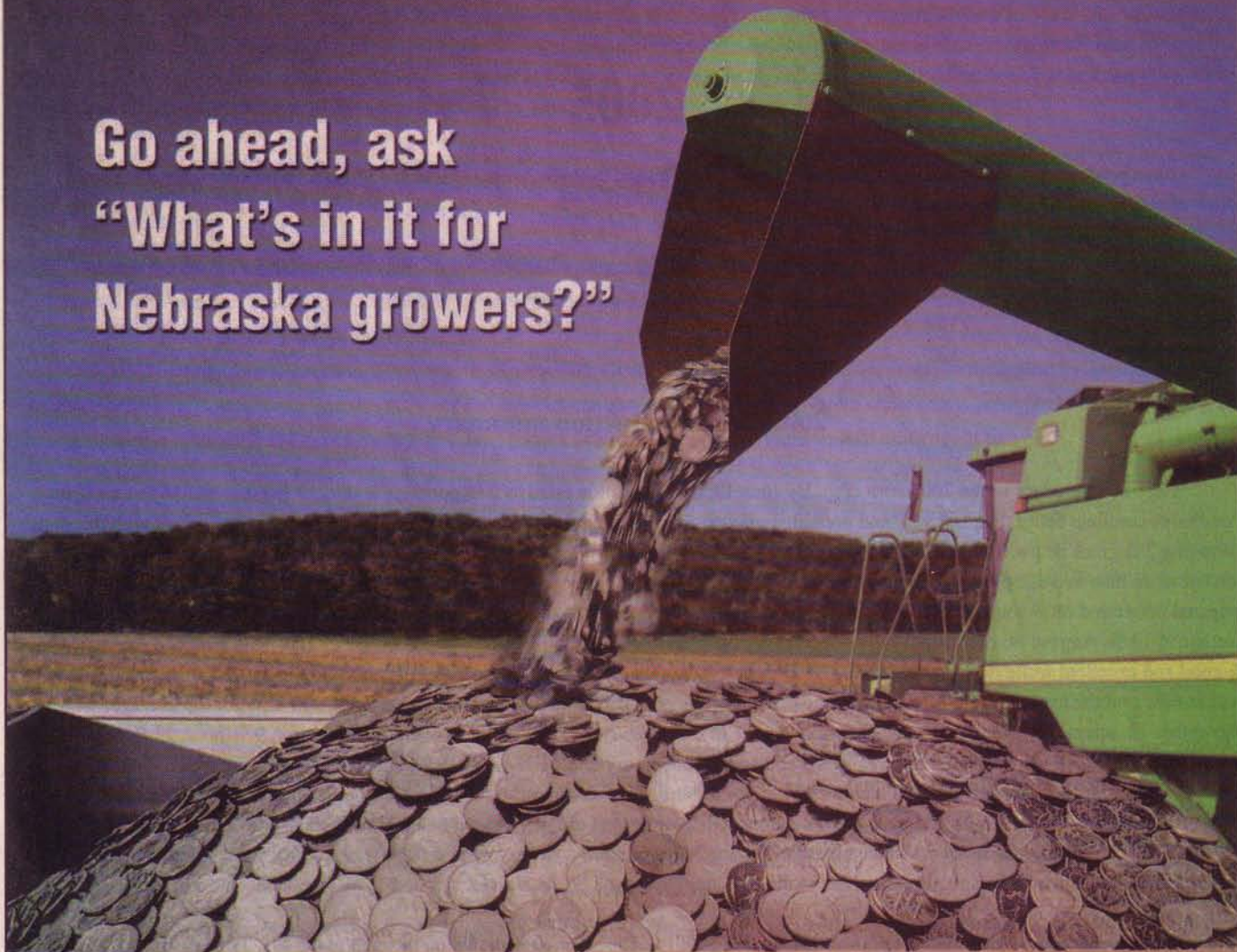
cm = inches x 2.54

ha = acres x 0.405

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hl = bushels x 0.352

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NEBRASKA CORN HYBRID TESTS

2005

Corn production as of November 1 was forecasted at 1.28 billion bushels. Average yield at 157 bu/a. Past corn yields are reported as followed (bu/a):

	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
State	145	140	125	140	122	145	168	157
Irrigated	159	159	155	164	162	NA	NA	NA
Non-irrigated	120	113	82	108	57	NA	NA	NA

2005 Crop Production Summary

Here is a summary of the 2005 corn crop. By June 12, corn condition rated as 2 % poor, 23 % fair, 59 % good and 16 % excellent. Conditions continue better than last year and normal. Temperatures averaged from 6 degrees below normal to 2 degrees above with the state averaging 2 degrees below. The north central counties recorded twice their normal precipitation since April 1 and the northeast received 50 percent more than average precipitation. July 10, corn condition rated 1% very poor, 2 % poor, 16 % fair, 52 % good, and 29 % excellent. Irrigated corn rated 88% good and excellent while dryland fields declined to 70 %. Corn silking is at 26 %, ahead of last year at 16 % and average at 14 %. August 14, corn condition rated 5% very poor, 9 % poor, 20 % fair, 48 % good, and 18 % excellent. Irrigated corn rated 85 % good and excellent while dryland fields rated 37 % good and excellent. Seventy-four percent had reached the dough stage, ahead of last year at 67% and the average at 70 %. Twenty-three percent of the crop had dented, ahead of 11% last year and 22% for the average. September 18, warm temperatures continued the rapid pace of crop maturity. Corn condition rated 5% very poor, 9 % poor, 23 % fair, 44 % good, and 19 % excellent. Irrigated corn was 81% good and excellent, dryland fields rated 35 %. Ninety-seven percent of the crop had reached the dent stage, ahead of last year at 88 % and average at 94 %. Forty-five percent of the crop had reached maturity, ahead of last year at 29 % and average at 52 %. Harvest was underway with 4 percent complete, equal to last year, but behind the average at 8. October 16, heavy rainfall across much of the south and west slowed harvest. Corn conditions rated 4 % very poor, 8 % poor, 21 % fair, 44 % good, and 23 % excellent. Irrigated fields rated 83% good or excellent while dryland fields rated 39 %. Harvest reached 43 % complete, ahead of last year at 29 %.

Twenty-eight corn performance tests were planted in 2005. Test locations are shown on the map (page 21). Table A (page 11) consists of cooperators, dates of planting and harvesting. Corn trials are conducted to provide yield and other information about corn hybrids which may be offered for sale in Nebraska. A fee from seed producers 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.

Table B (page 12) shows the average performance of all hybrids at each test location. Individual plots are two to four rows wide and from 15 to 35 feet long. Some experiments were planted thick and later thinned to the desired stand. Each test location had the same number of seed planted for all hybrids. The plant population represents the average harvested plant density. Temperature and rainfall data are shown on (pages 17 and 19). The names of the entrants and their addresses are listed in Table D (page 12). Table E (page 13) lists brand name and hybrids of the entrant.

Grain yields are expressed on a 15.5 % moisture basis. Yields shown are averages of four or more replicated plots at each location. Plots were machine harvested and grain moisture determinations 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. This is the seventh year we have used statistical procedures for removing a portion of the spatial variability.

In these experiments, many hybrids statistically had the same grain production. Performance of hybrids varied 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 others. Some hybrids are able to withstand unfavorable weather conditions better than others which may do well under better growing conditions. Performance over a period of years should give a much better measure of adaptation. Harvest moisture, stalk strength, and resistance to insect and disease also are factors which must be considered in selecting hybrids.

Results

Relative hybrid performance often varies with locations within zones. The number of experiments conducted at each of the zones were: Southeast Dryland-2, East Central Dryland-2, Southeast Irrigated-2, South Central Irrigated-2, South Central Dryland-2, Northeast Dryland-1, Northeast Irrigated-1, Holt County Irrigated-1, North Central Irrigated-2, West Central Irrigated-2, Southwest Irrigated-2, West Central No-Till-2, North Central Irrigated-2, West Valley Irrigated-2, South Central Bt RW-3. 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.

Southeast Dryland

Two no-till trials were planted with 54 hybrids plus six farmer entries in Gage with and Nemaha County with 11 farm entries (page 14). Gage County farm entries were DeKalb Genetics DKC EB115RR @ 145 bu/a, Asgrow RX742RR @ 140 bu/a, DeKalb Genetics DKC 63-78AR @ 120 bu/a, Asgrow 752RR @ 118 bu/a, Asgrow 718YG @ 108 bu/a, Asgrow 718RRYG @ 103 bu/a. Nemaha County entries were Pioneer 33R81YG @ 146 bu/a, 33N09 @ 146 lb/a, 33R78 @ 144 bu/a, 33P67YG @ 137 bu/a, 33K39 @ 132 bu/a, 31A13 @ 132 bu/a, DeKalb Genetics 6362RR @ 139 bu/a, Asgrow 718YG @ 130 bu/a, Asgrow 752RR @ 132 bu/a, 718YG @ 130 bu/a, 752 @ 130 bu/a. Average for all entries was 59.2 bu/a. Period-of-years data are shown on page 15.

East Central Dryland

Two trials in Saunders and Butler County were planted no-till with 45 hybrids plus five farmer entries (page 16). The Saunders County farmer entries were NC+ 4502BP @ 153 bu/a, NC+ 5555HL @ 137 bu/a, NC+ 4947RBP @ 137 bu/a, NC+ 5434RBD @ 125 bu/a, NC+ 5381P @ 123 bu/a. Butler County farmer entries were Northrup King HyN65c5 @ 144 bu/a, NK N70F1 @ 106 bu/a, NK N59Q9 @ 102 bu/a, NK N67T4 @ 100 bu/a, NK N47W1 @ 90 bu/a. Average for all entries was 59.7 bu/a. Period-of-years data are shown on page 17.

Southeast Irrigated

York County had 67 total entries and Valley County trials had 63 hybrids (page 18). York County farmer entries were Pioneer 32B10 @ 248 bu/a, 32R43 @ 249 bu/a, 34B99 @ 240 bu/a, Garst 8371 @ 220 bu/a, 8288 @ 222 bu/a. York County average for all entries was 235 bu/a. Valley County average for all entries was 212 bu/a. Period-of-years data are shown on page 19.

Northeast Dryland

Forty-nine hybrids were included in the dryland test in Dixon County (page 26). Average yield of all the entries were 190.7 bu/a. Period-of-years data are shown on page 26.

Northeast Irrigated

Pierce County had 46 hybrids were included in the irrigated plot (page 28). Average for all entries were 205.7 bu/a. Grain moisture was 16.1 %. Over year yields are shown on page 29.

Holt County Irrigated

Holt County had 42 hybrids were included in the irrigated plot (page 30). Field cultivated. Average for all entries were 222 bu/a. Grain moisture was 16.2 %.

South Central Irrigated

Test plots were located in Clay County at the SCAL near Clay Center and Buffalo County (page 21). Clay County trial included 70 entries. Average yield of all entries was 227 bu/a and an average moisture of 19.2 %. Buffalo County averaged 230 bu/a, an average moisture of 14.2 %. Period-of-years data are shown on page 21.

South Central Dryland

This trial was in Clay and Saline Counties with 22 corn entries. Clay County with four replications of four rows in 30 inch width, har-

vested the center two rows. The average yield was 127 bu/a. The average moisture was 19.5 %. Saline County averaged 150.7 bu/a. The average moisture was 15.2 %. Page 24 shows the Clay and Saline County corn data.

Central Irrigated

Forty-five hybrids were tested in Custer and Dawson Counties. Custer County was conventional tillage(double disk), pivot irrigated. The Custer County test plot averaged 223 bu/a. The Dawson County test was gravity irrigated, ridge till. Average yield was 219 bu/a. The data from these plots are shown on page 33. Over year data are shown on page 34.

Southwest Irrigated

Forty entries were planted in Furnas County. Pivot irrigated, conventional tillage. Average all entries were 223 bu/a. Red Willow County forty entries. Gravity irrigated, ridge tilled. Average for all entries was 224 bu/a. Data for this location are shown on page 32 and over year summary on page 32.

North Central Irrigated

Forty-one hybrids were entered in Brown County, ridge till, furrow irrigated and Brown County pivot irrigated. Brown County furrow irrigated test had an over all average of 200 bu/a. Brown County pivot irrigated plot had an over all average of 204 bu/a. The 2005 data will be on page 34 and over year data will be on page 34.

West Central Irrigated

Yield and other data were recorded from 44 hybrids tested in Lincoln and Dundy Counties. Lincoln County, WCREC, at North Platte was gravity irrigated, ridge till. Test had yields averaging 240 bu/a. Dundy County was pivot irrigated. Test averages for all entries was 241 bu/a. This year and over year data are shown on pages 32 and 33..

West Central No-till

Eleven hybrids were tested in Lincoln and Perkins counties. Lincoln County no-till corn test was planted into wheat stubble, 2004-wheat, 2003-fallow. Average yield for the test was 92 bu/a. Perkins County no-till corn test into wheat stubble, 2004-wheat, 2002-fallow. Average yield for the test was 100 bu/a. Data from locations is shown on page 36.

West Valley Irrigated

The Scotts Bluff County, Nebraska and Goshen County, Wyoming had 15 entries. Scotts Bluff County, sprinkler irrigated, had three farm entries, Pioneer 38H67 @ 170 bu/a, 38B85 @ 166 bu/a, DeKalb Genetics DKC 46-24 @ 160 bu/a. Average yields were 159 bu/a. Goshen County, Wyoming plot with overhead sprinkler irrigation system, with three farm entries, Garst 8911RR @ 164 bu/a, Garst 8881RR @ 187 bu/a, Pioneer 38P03RR @ 184 bu/a. Average yield for test was 165 bu/a. Scotts Bluff and Goshen County, data shown on page 35. Period-of-years yield and other data are shown on page 35.

South Central Irrigated Bt Rootworm

Clay County corn test at the SCAL, Buffalo County and Valley County had 14 entries in the trial with four replications of four rows in 30 inch rows and harvested the center two rows. Clay County average yield was 231 bu/a, at 16.5 % moisture. Buffalo County average yield was 233 bu/a with 14.1 % moisture. Valley County average yield was 209 bu/a with 15.5 % moisture. Data from test is on page 22.

Cultural Practices

Gage: Dryland. No-till. Crop history: soybean, corn rotation. Fertilizer: 100 lb/a N as anhydrous. Herbicide: Guardsman 2 pt/a, Steadfast .75 oz/a, Hornet 4 oz/a. Insecticide: None. Crete silty clay loam.

Nemaha: Dryland. No-till. Previous crops: Soybeans. Preplant: 130 lb/a actual N as anhydrous with 9 gallons 10-34-0, 1 gallon Sulfur, 1 qt Zn. Spring pre emergence 1.5 lb Atrazine, 1/3 oz Basis. At planting, 4 gallon 10-34-0, with 1 gallon Sulfur. Herbicide post emergence: 1/3 lb/a Atrazine, 2 oz Callisto, .75 oz Steadfast. Insecticide: None. Sharpsburg silty clay loam.

Saunders: Dryland. No-till. Previous crop: 2004 soybean. Fertilizer: 90 lb N. Herbicide: Guardsman Max 3 pt/a, Balance Pro 1.5 oz/a. Soil test: Nitrogen in depth sampled 140 lb/a, 13.0 avg ppm, Soil pH 5.9, Lime needed 4000 lb/a, Organic Matter 2.4%, Bray-1 Phosphorus, ppm 33 HI, Potassium 530 VHI.

Butler: Dryland. No-till. Crop history: 2004 soybean. Fertilizer: 51 lb/a actual N as anhydrous. Herbicide: Steadfast .75 oz, Hornet 4 oz/a. Insecticide: None. Nitrogen in depth sampled 117 lb/a, 10.8 avg ppm, Soil pH 6.7, Lime needed 0 lb/a, Organic Matter 3.1%, Bray-1 Phosphorous, ppm 18 MED, Potassium, ppm 625 VHI. Hastings silt loam.

York: Pivot irrigated. Previous crop: soybean 2004. Field Cultivated and planted. Fertilizer: 150 actual N as anhydrous, 100 lb/a 11-52-0. Herbicide: Lumax banded 1.75 pt/a. Insecticide: None. 7 irrigations @ 1 inch each time. Nitrogen in depth sample 172 lb/a, 16.0 avg ppm,

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Soil pH 6.3, Buffer pH 7.0, Lime needed 0 lb/a, Organic Matter 3.1%, Bray-1 Phosphorus, ppm 59 VHI, Potassium, ppm 716 VHI. Hastings silt loam. Storm on May 12 dumped 5 inches of rain causing old crop residue to flood across test plot, causing damage due to lost of number of plants in rows.

Saline: Rainfed. Soybean, corn rotation. Fertilizer: 120 lb/a actual N. Herbicide: .66 oz/a Permit. Nitrogen in depth sample 188 lb/a, 17.4 avg ppm, Soil pH 5.0, Lime needed 9000 lb/a, Organic Matter 3.3%, Bray-1 Phosphorus, ppm 18 MED, Potassium, ppm 586 VHI. Crete silty loam.

Valley: Gravity Irrigated. Trial 4 replications of 4 rows in 30 inch rows with a Kinze planter with finger pickups. Crop history: Corn 2004, beans 2003. Fertilizer: 150 lb N as anhydrous, post emergence 10 gal 10-34-0 with 2% Zinc at planting. Herbicide: .75 oz Steadfast, 3 oz Callisto. Insecticide: Force3g 4.4lb/a in T band at planting, Lorsban 2 qt/a 6/27. Disk once then surface planted with 4 row Kinze planter with finger pickup units. Soil test results: Nitrogen in depth sample 171 lb/a, pH 6.1, Buffer pH 6.8, Excess lime rating none, Organic Matter 2.2%, Bray-1 Phosphorous ppm 162, K ppm 673, Zn ppm 5.15. Cozad Hoard.

Clay: Gravity Irrigated: Ridge tilled. Crop history: Soybean 2004, corn 2003. Fertilizer: 160 lbs as NH₃ pre-plant. Herbicide: 22 oz /a Roundup Weather Max preemergence, .5 oz/a Aim on 6/11. Insecticide: None. Field preparation: Ridge tilled with 4 row Kinze planter finger pickup. Soil test: Nitrogen in depth sample 39 lb/a, Soil pH 6.6, Soil salts 0.32, Excess lime rating-None, Organic Matter 2.6%, Bray-1 Phosphorous ppm 13, K ppm 436, Zn ppm 1.11. Hastings silt loam.

Buffalo: Gravity irrigated. Crop history: Corn 2004 and 2003. Burnt off trash then used rolling stalk cutter, ridged tilled, planted with 4 row Kinze planter with finger pickup units. Fertilizer: 190 lb N as anhydrous pre-plant, 10 gal. 10-34-0 and 3.5 gal 12-0-0-26 at planting. Herbicide: 1 qt/a Bicep II Magnum in 15 inch band at planting. Insecticide: 4 oz/a Regent at planting. Soil test: No soil test data available.

Clay: Dryland. Corn trial at the SCAL farm. Dryland beans 2004, wheat/summer fallow 2003. Fertilizer: 145 lb N as 32% liquid and 5 gal 10-34-0 at planting in seed slice. Herbicide: 1 qt/a of Glyphomax Plus on 4/5 with 32% liquid fertilizer, 1.3 pt Dual II Magnum, 1.8 lb/a AAtrex, 1 qt Roundup Original/a preemergence, 3 oz/a Callisto, .75 oz/a Steadfast/a on 6/11. Insecticide: Force 3g 4.4 lb/a in T band at planting. Nitrogen in depth sample 64 lb/a, Soil pH 6.2, Buffer pH 6.8, lime-None, Organic Matter 2.3%, P ppm 31, K ppm 377, Zn ppm 1.18. Hastings silt loam.

Dixon: Rainfed. Corn trial at the Haskell Ag lab. Fertilizer: 100 lb/a of 46-0-0. Herbicide: Lumax 2.5 qt/a, 4 lb/a 2,4-D. Insecticide: None. Soil test results: Nitrogen in depth sample 97 lb N, Ave. ppm 9.0, pH 7.3, Excess lime 0, O.M. 4.2%, Bray-1 P ppm 10 LOW, K ppm 304 VHI, Zinc ppm 1.22 HI. Silty clay loam.

Pierce: Center pivot irrigated. Crop history: NA. Fertilizer: 200 lb/a 100-0-60-18, starter 30-30-2-.25, 70 lb/a in pivot. Herbicide: Fieldmaster 3.5 pt/a. 35lb of actual with spray. Insecticide: None. Soil test results: Nitrogen in depth sample 38 lb/a, pH 5.5, Excess lime rating 3000, Organic Matter 1.1%, Bray-1 Phosphorous ppm 33 HI, K ppm 253 VHI, Zn ppm 1.42 HI.

Holt: Irrigated. Crop history: NA. Fertilizer: Spayed with 130 lb/a 28-0-0-5S, Dry starter 95 lbs/a 18-46-0, 60 lb/a K, 60 lb/a 34-0-0. June 25, 130 lb/a anhydrous ammonia. July 25 at tassel 6.15 gal/a of 32%. Herbicide: 1 qt/a Bicep incorporated with field cultivator. June 16, .75 oz/a Steadfast, 1 oz/a Callisto, 2 lb/a ammonium sulfate and 20 oz/a crop oil. Soil test results: Nitrogen in depth sample 76 lb/a, 7.0 avg ppm, pH 6.3, buffer pH 7.0, Lime needed 0 lb/a, O.M. 1.9%, Bray-1 Phosphorous ppm 25 VHI, K ppm 444 VHI, ZN ppm 3.20 HI.

Custer: Pivot irrigated. Crop history: Soybean 2004. Conventional till (double disk). Fertilizer: Preplant 20 lb/a N, Planting 10 lb/a N, P 25 lb/a, Sidedress 140 lb/a N, Sulfur 10 lb/a, Zn 1 lb/a. Herbicide: Preemergence 2.25 oz/a + 1.3 qt Atrazine. Insecticide: None. Soil test results: pH 5.93, O. M. 1.74%.

Dawson: Gravity irrigated, ridge till. 2004 Corn, 2003 soybean. Fertilizer: 175 lb N preplant. Herbicide: Preemergence 2.3 qt Bicep II Magnum, Postemergence 3 oz/a Callisto + 0.25 lb/a Atrazine. Insecticide: None. Soil test results: pH 7.01, O.M. 2.28%.

Furnas: Pivot irrigated, conventional tillage. 2004 corn. Fertilizer: Preplant 220 lb N, 40 lb P, Zn 2 lb, S 5 lb/a. At planting 11 lb N, 35 lb P. Herbicides: 1.1 oz/a Option + 4 oz/a Distinct + 1 qt/a Atrazine postemergence. Insecticide: None. Soil test results: pH 5.56, O. M. 1.93%.

Red Willow: Gravity irrigated, ridge till. Fertilizer: 160 lb/a N, 52 lb/a P preplant, 5 lb N lb/a, 13 lb/a P at planting. Herbicide: 2.1 qt Bicep II Magnum. Insecticide: None. Soil test results: pH 7.45, O. M. 1.91%.

Lincoln: Gravity irrigated, ridge till. Fertilizers: 185 lb/a N as anhyrous, 9 lb N, 31 lb P, Zn 0.8 lb as starter. Herbicides: 1.5 qt Lumax + 1 lb Atrazine + 0.5 pt Banvel. Insecticide: None. Soil test results: pH 7.59, O. M. 2.14%.

Dundy: Pivot irrigated, conventional till. Previous crop: 2004 corn, 2003 soybean. Fertilizers: 25 lb N, 70 lb P, 11 lb K, 14 lb S, 0.7 lb Zn at planting. 156 lb N, 3 lb K, 26 lb S thru pivot. Herbicide: 2.5 qt/a Lumax + 1 oz/a ET. Insecticide: None. Soil test results: pH 6.55, Organic Matter 1.14%.

Brown: Ridge till, furrow irrigated. Crop history: NA. Fertilizer: Starter 40 N lb/a, 6 lb S. Sidedress 90 lb/a N + 5 lb S. Herbicide: 2.5 qt/a Lumax preemergence. Insecticide: None. Soil test results: pH 5.43, Organic Matter 1.37%.

Brown: Pivot irrigated. Crop history: Na. Fertilizer: 40 lb N, 40 lb Phosphorus, 10 lb Sulfur, 1 lb Zinc with planter. Sidedress 125 lb N.

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Herbicide: 1.0 qt Bicep II Magnum PRE, 0.75 oz Steadfast Postemergence. Insecticide: Lorsband 6 oz/1000 ft of row, Furadan Postemergence. Soil test results: pH 5.52, Organic Matter 2.20.

Lincoln: No-till into wheat stubble. 2004 winter wheat, 2003 fallow. Planted in Plant 2 Skip 2 scheme, 26,000 in row or 13,000 plants/a. Fertilizer: 80 lb N preplant. Herbicide: 2.5 qt Lumax preemergence. Insecticides: None. Soil test results: pH 5.62, Organic Matter 1.63%.

Perkins: No-till into wheat stubble. 2004 winter wheat, 2003 fallow. Planted in Plant 2 Skip 2 scheme, 26,000 in row or 13,000 plants/a. Fertilizer: 90 lb N. Herbicide: 3.5 pt Guardsman Max + 10 oz Clarity Preemergence. Insecticide: None. Soil test results: pH 5.09, Organic Matter 1.68%.

Scotts Bluff: Gravity Irrigated. Crop history: Wheat 2004. Fertilizer: Preplant, Fertilizer was 140 lb N and 10 lb of S, 1 qt Humic acid/a. Source materials were 32-0-0 and Thiosul. Starter fertilizer was 27 lb N, 68 lb P, 3.7 lb K, 6.8 lb S, 2 lb Zn, 2 lb Mn/a, 25 lb of N in the irrigation water, July 21. Herbicide: 1.5 oz of Option and 8 oz of Clarity/a. Insecticide: None. Soil sample: Nitrogen in depth sample 152 lb/a, 14.1 avg ppm, Soil pH 8.2, Lime needed 0 lb/a, Organic Matter 1.8%, Bray-1 Phosphorous ppm 24 MED, Potassium ppm 612 VHI, Phosphorus 8.8 MED. Growing season was some what average. Early cool weather slow growth, but warmer weather in August and September enabled crop to be mature when killed by hard freeze on October 4.

Goshen County, Wyoming: Irrigated. Crop history: Corn 2004. Disked twice. Fertilizer: Rate of 180 lb N, 35 lb P + 20 lb S. Herbicide: 1.5 oz Option, 1.5 oz Distinct, 2 qt liquid N, 40 oz Clarity.

Clay Gravity Irrigated Bt-Rootworm: SCAL. Crop history: Corn 2004, Soybean 2003. Fertilizer: 200 lb N as NH₃. Herbicide: 2.3 qt Harness Xtra, 22 oz Roundup Weather MAX/a on 5/5 preemergence. Insecticide: None. Soil sample: Nitrogen in depth sample 48 lb/a N, soil pH 6.7, Lime needed None, Organic Matter 2.9%, Bray-1 Phosphorous ppm 18, Potassium ppm 545, Zn ppm 1.84

Buffalo Gravity Irrigated Bt-Rootworm: Crop history: Corn 2004, 2003. Fertilizer: 190 lb N as NH₃ with N serv preplant. 10 gal 10-34-0 and 3.5 gal Sulfur as 12-0-0-26 at planting. Herbicide: 1 qt/a Bicep II Magnum in 15 inch band at planting. Insecticide: 4 oz/a Regent at planting. Burnt off trash then used rolling stalk cutter ridged till with 4 row Kinze planter and finger pickup seed unit.

Valley Gravity Irrigated Bt-Rootworm: Crop history: Corn 2004, Soybean 2003. Fertilizer: 150 lb/a N as NH₃ post emergence, 10 gal 10-34-0 and 2% zinc at planting. Herbicide .75 oz/a Steadfast, 3 oz Callisto/a on 6/2. Insecticide: 2 qt/a Lorsban 6/27.



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Table B. Average performance at each location.

Location	Row Spacing Inches	Plant Spacing Inches	Plants Per Acre	Yield C.V. %	Grain Yield Bu/A	Harvest Moisture %	Broken Plants %	Dropped Ears %
Southeast Dryland								
Gage	30	9.5	22000	5.4	136	15.6	0	0
Nemaha	30	9.5	22000	4.7	132	15.5	0	1
East Central Dryland								
Butler	30	9.5	22000	12.8	109	15.0	2	1
Saunders	30	9.5	22000	8.6	134	15.7	0	2
Southeast Irrigated								
York	30	7.0	30000	5.3	235	---	---	---
Valley	30	7.0	30000	5.6	212	15.2	0	0
South Central Irrigated								
Clay	30	7.0	30000	3.4	227	19.2	0	0
Buffalo	30	7.0	30000	7.0	230	14.2	4	3
South Central Irrigated BTRW								
Clay	30	7.0	30000	3.6	232	16.5	---	---
Buffalo	30	7.0	30000	4.8	234	14.1	3	2
Valley	30	7.0	30000	NS	210	15.5	---	---
South Central Dryland								
Clay	30	10.5	20000	8.7	128	19.5	0	0
Saline	30	9.5	22000	5.6	151	15.2	0	0
Northeast Irrigated								
Pierce Irrigated	30	7.0	30000	5.7	206	16.1	0	0
Holt Irrigated	30	7.0	30000	5.1	222	16.2	2	0
Northeast Dryland								
Dixon Dryland	30	11.0	19000	6.3	191	15.1	0	0
Southwest Irrigated								
Furnas	30	7.0	30000	7.3	223	13.1	1	0
Red Willow	36	5.8	30000	4.6	224	13.2	1	0
Central Irrigated								
Custer	36	5.8	30000	5.6	223	17.0	3	0
Dawson	36	5.8	30000	4.3	219	14.1	2	0
North Central Irrigated								
Brown Furrow	30	7.0	30000	5.4	201	17.9	2	0
Brown (c. pivot)	30	7.0	30000	5.7	205	17.4	1	0
West Central								
Lincoln	30	8.6	24400	4.6	240	16.4	2	0
Dundy	30	7.0	30000	3.2	241	14.1	2	0
West Central No-till								
Lincoln	30	13.9	15000	7.5	93	18.3	0	0
Perkins	30	13.9	15000	6.5	100	16.9	0	0
West Valley Irrigated								
Scotts Bluff (furrow)	30	6.3	33000	5.9	159	13.7	---	---
Goshen Co., WY	30	6.3	33000	7.0	165	15.1	---	---

Table D. Nebraska Corn Test Entrants 2005

Brand Name	Entrant	Address
Circle	Circle Seed Company	Box A, Dike, IA 50624
Dekalb	Rentschler Bros/Monsanto	47756 880th RD, Atkinson, Nebr. 68713
Dyna-Gro Seeds	Dyna-Gro Seeds	1720 16th Ave., P.O. 2050, Kearney, Nebr. 68848
Epley Brothers Hybrids	Epley Brothers Hybrids Inc.	P.O. Box 310, Shell Rock, IA 50670
Four Star Seed Co.	Four Star Seed Company	P.O. Box 88, Parkersburg, IA 50665
Garst	Ernie Newquist	1104 W 18th Rd, Aurora, Ne. 68818
Grand Valley	Grand Valley Hybrids	840 23 Road, Grand Jct., CO 81505
Hawkeye Hybrids	Hawkeye Hybrids, Inc.	2165 Idaho Drive, Pella, IA 50219-7841
Heine Hybrids Seed Corn	Heine Hybrids Seed Corn	1020 E 320th St., Vermillion, SD 57069
Kaystar	Kaystar Seed	P.O. Box 947, Huron, SD 57350
Kruger	Kruger Seed Company	33938 160th Av., Dike, IA 50624
LG Seeds	LG Seeds	22827 Shissler Road, Elm wood Illinois 61529
Merschman	Merschman Seeds, Inc.	103 Ave. D, West Point, IA 52656
Mark Seed	Mark Seed	823 W Second, Perry, IA 50220
Mycogen	Mycogen Seeds	P. O. Box 894, O'neill, Ne. 68763
Midland-Phillips	Phillips Seed Farms, Inc.	980 Hwy 15, Hope, Ks. 67451
Nupride	Nupride Genetics Network	P.O. Box 830911, Lincoln, NE 68583-0911
Ottillie	Ottillie RO Seed	1462 Sanford Ave., Marshalltown, IA 50158
Premium Seed	Premium Seed, Inc.	P.O. Box 218, Berwick, IL 61417
Renze	Renze Hybrids, Inc.	27410 Kittyhawk Avenue, Carroll, Iowa 51401
Stine	Stine Seed Company	2225 Laredo Trail, Adel, Iowa 50003
Taylor	Taylor Seed Farms	2467 Hwy 7, White Cloud, KS 66094
Trisler	Trisler Seed Farms, Inc.	3475 E 800 North Rd, Fairmount, IL 61841
Triumph	Triumph Seed Co., Inc.	P.O. Box 1050, Ralls, TX 79357

Table E. Brand name and hybrids of each entrant

Brand	Hybrids
ASGROW	RX715RR##, RX752RR2/YG##, RX674RR2##,
CIRCLE	CS-2605RR/YGCB, CS-8607HX, CS-8609HX, CS-0609, CS-5509YGCB, CS-6133RR/YGCB, CS-6199RR/YGCB, CS-5613YGCB, CS-8414HX, CS-8614HX, CS-8005RR/YGCB, CS-8274YGCB, CS-8264YGCB
CHANNEL	7H261##, 7138RBT##
CROP GENETICS	501RR##
CROP LAND	661##, 503Bt##, 576BTCL##,
CROWS	1702BT##, 2148##, 4911BT##, 5202BT##, 7W057##
DEKALB Genetics	DKC55-82, DKC57-30, DKC57-84, DKC61-72##, DKC64-81##, DKC63-62##, DKC52-40##, DKC42-88##, DKC54-47##, DKC53-07##, DKC55-82RR##, DKC57-84##, DKC60-18##, DKC60-19##, DKC54-51##, DKC60-16##, DKC63-81##, DKC63-62##
DYNA-GRO SEEDS	53K98(RR2), 55P41(YGCB/RR2), 55P57(YGCB/RR2)
EPLEY BROS HYBRIDS	E14R95YGCB, E24R90YGCB, E36R65YGCB, E3670YGCB, E3225RRRW, E3454, E3436LL
FOUR STAR SEED	5758BT, 6573RRBT, 9503RRBT, 8660BT
GARST	8376YG1, 8380IT, 8548YG1, 8665YG1, 8552YG1, 8535YG1/IT, 8566YG1, 8292 YG1##, 8377 YG1/RR##,
GOLDEN HARVEST	H851YGCB, H827YGCB, H856YGCB, H820YGCB, H818YGCB, H-9250##, 8124-GT##
GRAND VALLEY	21R04, 11B50, 12B12P, X12HX36P, 23P03P, 23B05P, 13B78, X12HX34P, 22B70P
HAWKEYE	313Bt, Exp 04-826BT, 315BT, 316BT, Exp 03-704BT
HEINE	H851YGCB, H827YGCB, H856YGCB, H820YGCB, H818YGCB
HOEGEMEYER	4271-RR##,
HUGHES	HP 0513RR##
KAYSTAR	KX-890Bt, KX-7980Bt, KX-8770RRBt, KX-8615Bt, KX8615Bt##
KRUGER	K-5313YGCB, K-9313YGCB, K-5514YGCB, K-8414HX, K-0614B, K-0614A, K-9115RR/YGCB, K-9115YGPLUS, K-9115TS, K-0617A, K-5416YGCB, K-2517RR/YGCB, K-9308YGPLUS
LG SEEDS	LG2545BT, LG2633BT, LG2619BT, LG2640BT, LG2679
MERSCHMAN	M 508C, M 509A-3, M 610F-1, M 311A-1, M 512C-1, M 612D-1, M 613B, M 314A-3, M 314A-7
MARK SEED	LL02HX110, RR05BT105, 04BT105
MYCOGEN	2J525, 2R570, 2H565, 2P682, 2P722, 2E705, 2R570##, 2J25##, 2R416##, 2T655##
MIDLAND-PHILLIPS	7B13RRYGCB, 712YGCB, 7B15RRYGCB, 7A29RRYGCB
M/W GENETICS	G8762Bt##, G8122##, 7H261##, G8125B##
NC+	4827RBT##, 4502BT##, 5434BT##, 5555HL##,
NORTHRUP KING	N65C5##, N70T9##, N67T4##, N76D3##,
NUPRIDE	5090B, 5112, 5123, 5123B, 5125, 5130B, 5145B, 5155B, CGF 904RRCB, CGF 910RR
OTILIE	5006 YGCB, 5184 YGCB, 5334 YGCB, 5436 YGCB, 5476 YGCB
PIONEER	34N44##, 34N42##, 33B51##, 34N43##, 32B29##, 31G68##, 33P67##, 31A13##, 34H32##, 35Y67##, 34B96##, 34A16##, 35A30##
PREMIUM SEED	P252, P250
PRODUCERS	7321##,
RENZE	1454YGPL/RR, 2434YGRW/RR, 2526YGRW/RR, 3364YGPL, 3454YGPL, 6276, 6406, 8196YGCB, 8226YGCB, 8336YGCB, 8386YGCB, 8454YGCB, 8526YGCB, Exp 8546YGCB, 9365YGCB/RR, 9454YGCB/RR, 9526YGCB/RR, 8286YGCB
STINE	9703 YGCB, 9724 YGCB, 9804 YGCB
TAYLOR	965 RR/Bt, 955 RR/Bt
TRISLER	5244RRCB, 5255RRCB, 5257CB, 5337CB, 5337RRCB, 5338RRCB, 5160CB, 5245CB, 5240CB, 5175BT, 5130RRCB, 5257RRCB, 280CB, 5337RRCB
TRIUMPH	1866Bt, 1416Bt, 1536CBRR, 1536RwRR
YIELD KING	YK102ATTX##, YK110B##

Widely grown hybrids that were entered by the UN-L Agronomy department.

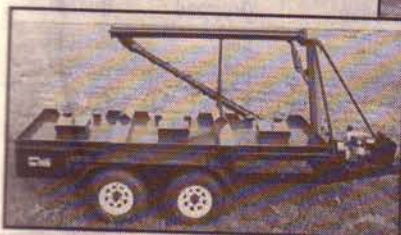
Southeast Rainfed Corn Hybrid Tests

Gage and Nemaha Counties - 2005

Brand	Hybrid	Average bu/a	Yield Gage bu/a	Nemaha bu/a	Grain moisture pct	Bushel Weight lb/bu
TRIUMPH	1866Bt	161	167	155	16.4	59.7
KRUGER	K-9313YGCB	151	157	145	15.5	57.5
PIONEER	33B51 ##	149	153	144	15.8	59.4
PIONEER	31G68##	149	159	139	15.6	59.0
NUPRIDE	CGF904	149	166	131	15.7	57.3
KRUGER	K-8414HX	147	151	142	15.5	58.9
NUPRIDE	5155B	146	153	138	15.7	59.5
KRUGER	K-2517RR/YGCB	145	151	138	15.9	57.8
MIDLAND	7B13RRYGCB	143	148	137	15.3	58.8
NORTHROP KING	N 65C5 ##	143	148	137	15.3	59.1
MERSCHMAN	M-314A-3	143	147	139	16.0	58.5
MERSCHMAN	M-311A-1	143	144	142	15.5	61.1
NUPRIDE	5123B	141	151	131	15.6	59.2
TRISLER	5337RRCB	141	149	133	16.3	58.0
MERSCHMAN	M-613B	140	142	137	16.1	61.1
KRUGER	K-9212RR/YGCB	140	140	140	15.3	58.8
RENZE	9526YGCB/RR	140	144	135	16.0	58.4
RENZE	8454YGCB	140	146	133	15.6	59.1
DEKALB Genetics	DKC 63-81##	139	136	141	15.4	61.0
NORTHROP KING	N 76D3 ##	138	147	128	15.7	58.7
GARST SEED CO	8548YG1	137	130	144	15.7	58.1
ASGROW	RX715RR##	136	135	137	15.4	60.0
MIDLAND	7B15RRYGCB	136	147	124	15.6	59.0
HAWKEYE	313Bt	136	142	130	15.5	60.2
KRUGER	K-9310YGCB	135	141	129	15.4	57.3
RENZE	8526YGCB	135	135	135	16.0	58.2
KRUGER	K-9115RR/YGCB	134	140	128	15.5	58.8
RENZE	EXP8546YGCB	134	130	137	15.6	61.0
GARST SEED CO	8376YG1	133	148	118	15.5	59.2
TRISLER	5240CB	133	123	142	15.6	60.2
RENZE	8386YGCB	133	125	140	15.6	60.5
KRUGER	K-5313YGCB	132	133	130	15.4	58.0
TAYLOR	955 RR/Bt	132	140	123	15.6	58.7
KRUGER	K-0614B	131	131	130	15.6	59.1
TAYLOR	965 RR/Bt	131	131	131	15.7	59.9
MERSCHMAN	M-509A-3	130	131	128	15.5	60.2
KRUGER	K-0617A	129	129	129	15.4	61.6
KRUGER	K-2410RR/YGCB	129	134	124	15.4	59.2
KRUGER	K-0608A	129	130	128	15.4	59.1
KRUGER	K-5606YGCB	128	136	119	15.2	58.2
TRISLER	5257RRCB	128	131	124	15.7	58.8
MERSCHMAN	M-612D-1	128	121	135	15.7	59.9
STINE	9703 YGCB	126	137	114	15.8	59.7
KRUGER	K-0508	126	121	130	15.3	59.2
TRISLER	5130RRCB	126	126	125	15.5	58.3
KRUGER	K-0614A	125	120	130	15.6	59.8
NUPRIDE	5130B	124	131	117	15.8	59.0
NORTHROP KING	N 70T9 ##	122	118	125	15.5	58.7
STINE	9804 YGCB	121	118	124	15.9	59.0
STINE	9724 YGCB	121	107	135	15.6	58.9
KRUGER	K-9910YGCB	120	124	116	15.3	58.5
RENZE	6406	119	110	128	15.6	60.0
KRUGER	K-9111YGCB	119	129	108	15.3	58.7
KRUGER	K-8609HX	119	127	111	15.3	58.7
Average all entries		135	137	131	15.6	59.2
Difference req. for sig. 5%		18	15	13	0.4	0.8

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Southeast Rainfed Corn Hybrid Tests 2003 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
TRIUMPH	1866Bt	174	15.8	1	60.0
RENZE	8454YGCB	168	14.8	1	58.6
MERSCHMAN	M-311A-1	167	14.3	1	61.1
PIONEER	33B51	162	15.2	1	59.4
KRUGER	K-9212RR/YGCB	156	14.5	1	58.7
KRUGER	K-9111YGCB	145	13.9	2	58.6
KRUGER	K-9910YGCB	137	13.6	2	58.5
NUPRIDE	5130B	135	15.5	1	58.6
Average all entries		156	14.7	1	59.2
Difference req. for sig. 5%		19	N.S.	N.S.	0.7
3 Year Averages					
TRIUMPH	1866Bt	160	18.4	1	58.0
RENZE	8454YGCB	154	16.3	1	57.4
PIONEER	33B51	151	16.4	0	58.8
Average all entries		155	17.0	1	58.1
Difference req. for sig. 5%		N.S.	N.S.	N.S.	N.S.

Seed Guide 2006

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East Central Rainfed Corn Hybrid Tests

Saunders and Butler Counties - 2005

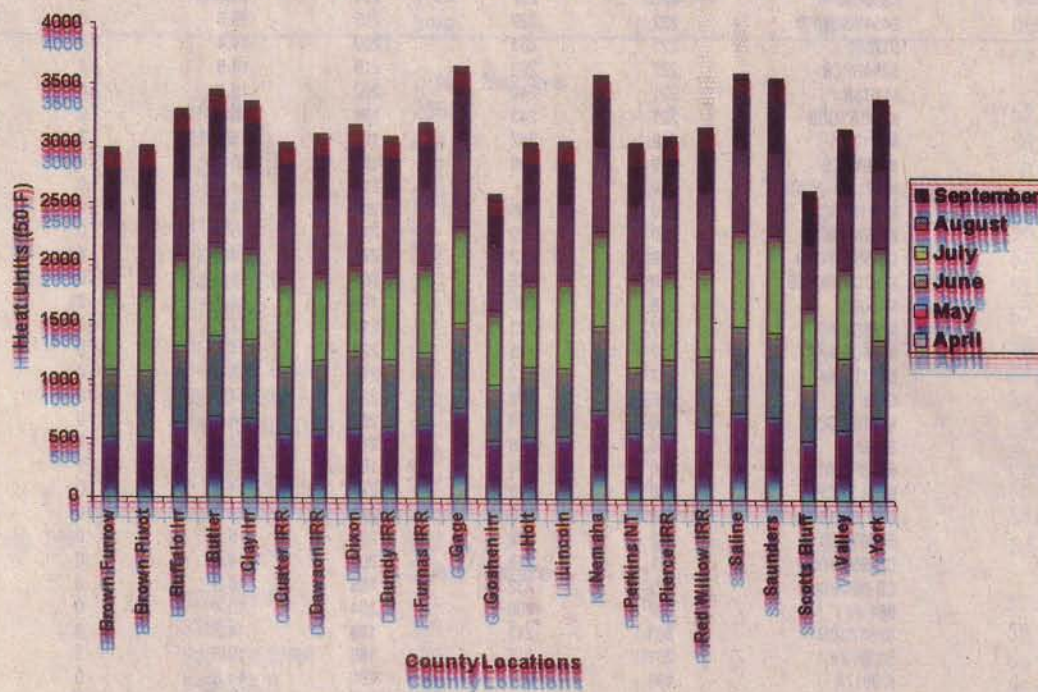
Brand	Hybrid	Average bu/a	Yield Saunders bu/a	Butler bu/a	Grain moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
HAWKEYE	324Bt	135	147	122	15.4	2	3	60.8
RENZE	8386YGCB	132	146	117	15.3	0	3	60.6
FOUR STAR SEED	8660 Bt	132	142	122	15.2	2	0	60.1
FOUR STAR SEED	6573RRBt	131	142	119	15.5	0	0	59.9
GARST SEED CO	8548YG1	131	137	124	15.3	0	0	58.6
KRUGER	K-8414HX	130	146	114	15.3	4	3	59.3
RENZE	8336YGCB	130	140	120	15.1	2	5	58.7
PIONEER	33B51 ##	130	149	110	15.5	8	0	60.1
NORTHROP KING	N 65C5 ##	129	134	124	15.1	0	0	59.7
PIONEER	34N42 ##	127	137	116	15.3	3	0	59.8
RENZE	9454YGCB/RR	127	141	112	15.7	0	3	59.8
KRUGER	K-9313YGCB	126	132	119	15.3	0	5	58.3
MERSCHMAN	M-612D-1	126	147	105	15.3	0	0	60.9
RENZE	6406	126	149	103	15.3	3	2	60.7
MERSCHMAN	M-509A-3	126	142	109	15.3	0	0	60.1
MERSCHMAN	M-311A-1	125	142	108	15.3	0	4	60.9
NUPRIDE	5123	125	143	106	15.4	3	0	59.9
KRUGER	K-9310YGCB	124	132	115	15.1	0	2	58.9
ASGROW	RX715RR##	124	128	120	15.4	0	0	59.7
KRUGER	K-0614A	123	147	99	15.3	3	2	60.4
GARST SEED CO	8376YG1	123	131	115	15.8	0	6	59.7
LG SEEDS	LG 2640 Bt	123	132	114	15.6	0	2	59.2
MERSCHMAN	M-314A-3	123	130	116	16.0	0	3	58.9
KRUGER	K-0614B	122	139	105	15.4	5	4	59.1
KRUGER	K-2410RR/YGCB	122	123	120	15.2	3	6	59.9
KRUGER	K-9115RR/YGCB	122	127	117	15.7	0	0	59.7
KRUGER	K-5313YGCB	121	128	113	15.2	0	4	58.6
KRUGER	K-9212RR/YGCB	121	130	111	15.2	0	0	59.4
MERSCHMAN	M-613B	121	134	107	16.1	0	5	61.1
DEKALB Genetics	DKC 63-81##	120	138	101	15.2	2	2	60.8
NORTHROP KING	N 70T9 ##	119	137	101	15.4	0	2	60.0
KRUGER	K-0608A	118	123	113	15.2	5	2	59.1
MIDLAND	7B13RRYGCB	117	133	100	15.2	3	5	59.1
KRUGER	K-5606YGCB	116	131	100	15.1	0	4	59.0
RENZE	9526YGCB/RR	116	124	108	16.1	0	4	58.6
KRUGER	K-0508	116	138	93	15.1	3	4	59.2
KRUGER	K-9910YGCB	115	116	113	15.1	0	3	58.5
NORTHROP KING	N 76D3 ##	114	121	106	15.4	3	0	59.1
MIDLAND	7B15RRYGCB	113	121	105	15.7	0	0	59.7
RENZE	8286YGCB	112	119	105	15.2	2	0	60.6
KRUGER	K-9407YGCB	110	120	99	15.2	4	0	61.1
KRUGER	K-8609HX	109	116	102	15.0	22	2	58.8
KRUGER	K-2506RR/YGCB	109	117	100	15.2	2	0	60.8
KRUGER	K-9111YGCB	107	122	91	15.1	0	5	59.2
RENZE	8526YGCB	104	123	84	16.1	5	4	58.3
Average all entries		122	133	109	15.4	2	2	59.7
Difference req. for sig. 5%		17	23	28	0.5	0	NS	1.1

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East Central Rainfed Corn Hybrid Tests 2003 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
PIONEER	33B51	161	14.8	5.0	60.3
KRUGER	K-9212RR/YGCB	159	14.2	1.0	59.0
RENZE	9454YGCB/RR	156	14.4	1.0	59.3
KRUGER	K-9111YGCB	140	13.8	1.0	59.1
KRUGER	K-9910YGCB	139	13.8	1.0	58.7
Average all entries		151	14.2	1.8	59.3
Difference req. for sig. 5%		15	N.S.	N.S.	N.S.
3 Year Averages					
PIONEER	33B51	161	14.9	3.0	59.7
RENZE	9454YGCB/RR	159	15.0	4.0	58.5
Average all entries		160	15.0	3.5	59.1
Difference req. for sig. 5%		N.S.	N.S.	N.S.	N.S.

Heat Units at corn test locations - 2005



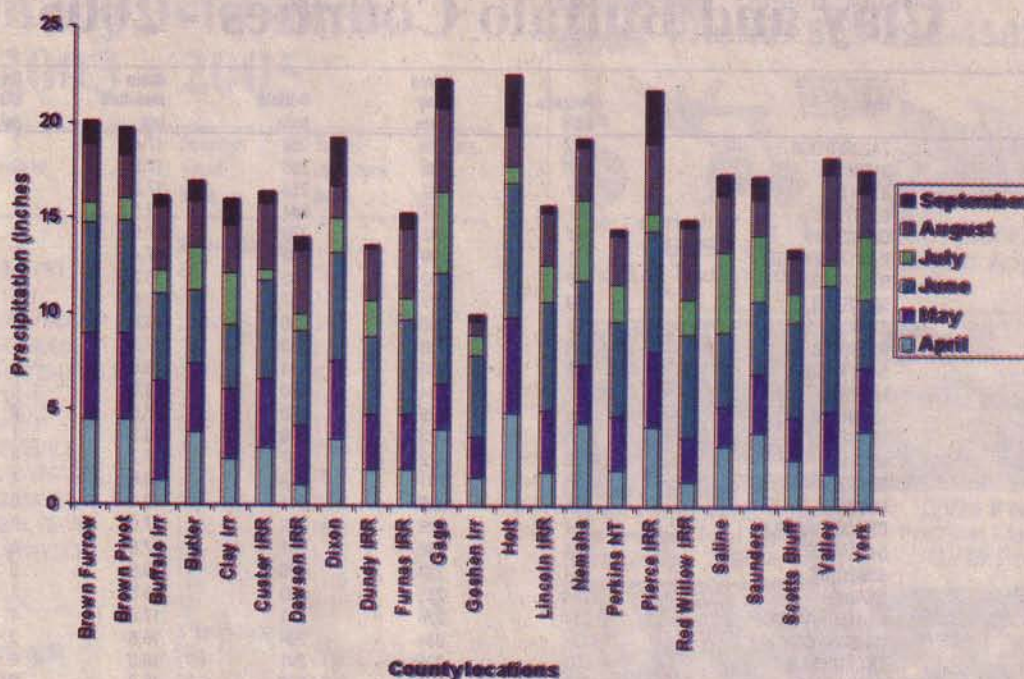
Southeast Irrigated Corn Hybrid Tests

York and Valley Counties - 2005

Brand	Hybrid	Average bu/a	Yield York bu/a	Valley bu/a	Grain moisture pct	Broken Stalk pct	Bushel Weight lb/bu
PIONEER	32B29 ##	245	277	213	17.2	0	58.0
PIONEER	33B51 ##	243	246	240	16.2	0	59.8
RENZE	9365YGCBB/RR	242	272	212	14.7	0	63.2
CIRCLE	CS-8414HX	239	251	227	15.5	0	57.8
HAWKEYE	316Bt	236	241	230	16.0	1	55.5
RENZE	6406	235	251	219	14.9	0	60.6
CIRCLE	CS-6133RR/YGCB	234	263	205	14.4	0	60.3
CIRCLE	CS-8274YGCB	233	264	201	15.9	0	58.6
MERSCHMAN	M-314A-7	233	246	219	15.9	4	59.4
ASGROW	RX752RR/YGCB##	233	243	223	15.0	8	58.7
PREMIUM SEED	P250	233	255	211	15.7	0	56.7
RENZE	8454YGCB	232	237	226	15.3	0	58.5
MIDLAND	712YGCB	232	237	227	14.7	3	58.7
KRUGER	K-0614B	232	258	205	16.3	0	59.2
MIDLAND	7B13RRYGCB	231	240	221	14.6	8	58.8
RENZE	9526YGCB/RR	231	269	192	16.4	7	58.6
TRIUMPH	1416Bt	231	246	215	14.9	0	58.4
TRIUMPH	1536CbRR	230	235	224	15.6	7	59.0
CIRCLE	CS-6199RR/YGCB	230	235	225	15.0	13	59.0
NORTHROP KING	N 70T9 ##	230	235	224	15.4	0	59.0
KRUGER	K-9313YGCB	230	241	219	15.5	0	57.2
TRISLER	5240CB	230	258	202	15.4	0	57.8
MIDLAND	7B15RRYGCB	229	231	226	15.8	0	58.2
TRISLER	5257RRCB	228	241	215	15.5	0	58.7
KRUGER	K-9115RR/YGCB	228	232	223	15.5	5	58.5
FOUR STAR SEED	9503RR Bt	227	250	203	16.1	0	58.2
MERSCHMAN	M-612D-1	227	235	218	15.6	0	59.4
CIRCLE	CS-8005RR/YGCB	227	234	219	15.4	6	59.0
TRISLER	5245CB	227	240	213	15.4	0	57.9
KRUGER	K-0614A	225	234	216	15.1	0	59.4
FOUR STAR SEED	5758Bt	224	223	224	14.6	0	58.5
KRUGER	K-2517RR/YGCB	224	244	204	15.8	8	57.7
MERSCHMAN	M-610F-1	223	228	217	14.3	1	59.7
CIRCLE	CS-0409	223	232	214	14.6	0	57.1
RENZE	9454YGCB/RR	222	229	215	15.5	0	58.2
TRISLER	5175Bt	221	233	209	14.4	4	58.3
TRISLER	5244RRCB	221	223	219	14.8	4	58.9
MERSCHMAN	M-613B	221	240	202	16.5	0	60.1
KRUGER	K-5416YGCB	221	243	198	15.3	0	58.5
MERSCHMAN	M-512C-1	219	242	195	15.9	3	58.7
RENZE	8386YGCB	219	239	198	15.6	0	58.2
KRUGER	K-9212RR/YGCB	219		219	14.5	0	
KRUGER	K-9111YGCB	219	235	202	14.1	0	59.4
KRUGER	K-5514YGCB	219	226	211	15.1	0	59.3
CIRCLE	CS-5509YGCB	219	212	226	14.5	4	59.0
KRUGER	K-9313RRYGCB	218	228	207	15.6	0	58.1
MERSCHMAN	M-508C	218	236	199	14.8	21	48.5
NORTHROP KING	N 76D3 ##	217	223	210	14.7	0	58.3
NORTHROP KING	N 65C5 ##	217	210	223	14.7	0	58.1
NORTHROP KING	N 67T4 ##	217	217	216	15.6	0	59.0
NUPRIDE	5112	216	208	224	14.6	3	59.5
KRUGER	K-9910YGCB	216	224	208	14.9	0	57.2
HAWKEYE	315Bt	216	218	214	14.8	0	59.4
FOUR STAR SEED	6573RRBt	216	234	197	15.7	1	58.9
STINE	9703 YGCB	216	213	219	14.6	0	58.3
DEKALB Genetics	DKC 60-19##	214	213	215	14.0	0	60.4
RENZE	8526YGCB	212	220	203	16.2	0	57.7
CIRCLE	CS-8609HX	211	218	204	14.4	0	57.5
CIRCLE	CS-8614HX	210	232	188	16.3	0	56.8
CROPLAN	661 ##	207	209	204	15.4	0	59.9
RENZE	8286YGCB	203	213	193	14.2	3	59.9
CROPLAN	503Bt ##	201	216	185	13.8	3	59.5
KRUGER	K-0617A	196	201	190	14.8	0	60.3
Average all entries		224	219	212	15.2	2	58.3
Difference req. for sig. 5%		N.S.	25	24	0.8	N.S.	N.S.

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Precipitation at corn test locations - 2005



Southeast Irrigated Corn Hybrid Tests 2003 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
TRIUMPH	1416Bt	235	15.4	2	57.9
HAWKEYE	316Bt	234	16.6	2	56.0
TRISLER	5257RRCB	232	15.7	1	58.0
PIONEER	33B51	230	16.3	5	59.9
HAWKEYE	315Bt	227	15.4	2	58.3
TRISLER	5245CB	227	15.8	1	57.7
RENZE	8454YGCB	227	15.6	3	57.8
FOUR STAR SEED	5758Bt	225	15.2	1	57.8
TRISLER	5244RRCB	225	15.1	3	58.4
RENZE	9454YGCB/RR	222	15.7	1	57.6
FOUR STAR SEED	6573RRBt	222	15.9	2	58.0
KRUGER	K-9212RR/YGCB	222	15.1	2	58.0
KRUGER	K-9910YGCB	218	15.1	1	58.0
KRUGER	K-9111YGCB	217	14.8	4	58.7
Average all entries		226	15.6	2	58.0
Difference req. for sig. 5%		N.S.	0.6	N.S.	1.5
3 Year Averages					
TRISLER	5257RRCB	231	16.8	1	57.2
PIONEER	33B51	229	17.0	3	58.7
RENZE	9454YGCB/RR	228	16.7	1	56.7
RENZE	8454YGCB	228	16.7	1	56.4
Average all entries		229	16.8	2	57.3
Difference req. for sig. 5%		N.S.	N.S.	N.S.	1.0

South Central Irrigated Corn Hybrid Tests

Clay and Buffalo Counties - 2005

Brand	Hybrid	Average bu/a	Yield Clay bu/a	Buffalo bu/a	Grain moisture pct	Broken Stalk pct	Dropped Ear pct
MIDLAND	7A29RRYGCB	249	239	258	17.4	2	1
HAWKEYE	316Bt	247	238	256	17.5	3	0
GARST SEED CO	8380IT	247	237	256	17.2	2	2
RENZE	8526YGCB	241	237	244	17.5	3	1
M/W GENETICS	G8762Bt ##	241	242	239	17.9	2	2
KRUGER	K-2517RR/YGCB	241	239	242	17.4	2	2
RENZE	9365YGCB/RR	239	232	245	16.2	9	1
TRISLER	5257RRCB	239	227	251	16.6	0	0
HAWKEYE	315Bt	238	240	236	16.8	5	3
RENZE	9526YGCB/RR	238	233	243	17.7	6	5
OTILIE	5436 YGCB	238	232	244	16.6	3	0
MERSCHMAN	M-512C-1	237	234	240	16.9	6	3
TRISLER	5338RRCB	236	229	243	17.0	8	3
KAYSTAR	KX-890Bt	236	223	248	16.3	1	0
MERSCHMAN	M-314A-7	235	222	247	17.7	4	4
TRISLER	5240CB	235	231	238	16.6	1	2
MERSCHMAN	M-613B	235	229	241	17.1	0	1
CIRCLE	CS-8005RR/YGCB	234	229	239	17.0	2	1
OTILIE	5476 YGCB	234	236	231	17.8	5	2
RENZE	8386YGCB	234	233	235	16.6	5	8
GARST SEED CO	8376YG1	234	235	233	16.5	1	1
KRUGER	K-9115RR/YGCB	234	226	241	17.0	1	1
CIRCLE	CS-8274YGCB	234	234	234	16.6	2	2
MIDLAND	7B13RRYGCB	233	225	241	16.5	9	1
KRUGER	K-5416YGCB	233	238	228	16.7	3	0
PIONEER	33B51 ##	233	243	222	17.4	14	13
RENZE	9454YGCB/RR	233	229	237	16.8	3	1
CIRCLE	CS-8414HX	233	229	236	17.1	7	3
RENZE	6406	233	230	236	15.8	0	0
PIONEER	33P67 ##	233	231	235	17.5	10	5
TRIUMPH	1536CbRR	232	228	236	16.8	4	3
RENZE	EXP8546YGCB	232	229	234	17.3	1	3
PREMIUM SEED	P252	232	232	231	17.5	3	2
CIRCLE	CS-0409	230	234	226	16.5	6	4
KRUGER	K-9212RR/YGCB	230	233	227	16.3	3	2
KRUGER	K-0614A	230	227	233	16.4	3	2
TRIUMPH	1416Bt	229	227	230	16.8	2	3
M/W GENETICS	G 8122 ##	229	227	231	16.9	5	4
KAYSTAR	KX-7980Bt	229	230	228	15.6	7	2
CIRCLE	CS-6133RR/YGCB	229	235	223	16.1	5	1
KRUGER	K-9910YGCB	228	225	231	15.3	5	4
NUPRIDE	CGF910RRCB	228	223	233	16.3	7	4
M/W GENETICS	7H261 ##	228	217	239	16.9	9	16
KRUGER	K-5514YGCB	227	223	230	16.6	2	2
MIDLAND	7B15RRYGCB	227	222	232	17.1	3	2
KAYSTAR	KX-8615Bt	227	226	227	15.8	9	3
TRISLER	5175Bt	226	225	226	15.8	0	0
DEKALB Genetics	DKC 63-62##	225	220	229	16.2	2	1
NUPRIDE	5123	225	227	223	16.8	3	2
MERSCHMAN	M-612D-1	225	229	221	16.3	0	0
OTILIE	5334 YGCB	225	210	239	16.8	3	1
KRUGER	K-0617A	224	222	225	15.9	4	1
CIRCLE	CS-6199RR/YGCB	224	234	214	16.8	4	5
TRISLER	5255RRCB	223	220	225	16.7	3	0
KRUGER	K-9313YGCB	222	218	226	16.7	2	1
KRUGER	K-9313RRYGCB	219	218	220	16.9	7	2
KRUGER	K-9111YGCB	218	225	211	15.5	0	0
MERSCHMAN	M-508C	218	219	216	16.0	0	1
KRUGER	K-0614B	215	215	215	17.1	5	1
CIRCLE	CS-5509YGCB	214	226	202	16.0	4	2
STINE	9804 YGCB	214	223	204	17.5	11	14
KAYSTAR	KX-8770RRBt	213	206	220	16.9	3	5
CIRCLE	CS-8609HX	213	217	209	15.5	2	1
CIRCLE	CS-8614HX	207	207	207	17.1	0	0
NUPRIDE	5112	200	206	193	16.6	6	4
STINE	9703 YGCB	196	212	179	16.5	13	24
MERSCHMAN	M-610F-1	187	222	151	14.6	15	11
Average all entries		228	227	229	16.7	4	3
Difference req. for sig. 5%		21	15.4	32.3	1	N.S.	N.S.

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South Central Irrigated Corn Hybrid Tests 2003 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct
2 Year Averages				
GARST SEED CO	8376YG1	237	17.6	1
HAWKEYE	315Bt	237	17.7	3
RENZE	9454YGC/RR	233	18.1	2
KAYSTAR	KX-890Bt	231	17.2	1
KRUGER	K-9212RR/YGCB	230	17.3	2
PIONEER	33B51	230	18.5	7
TRIUMPH	1416Bt	228	17.3	2
TRISLER	5255RRCB	226	17.6	2
KRUGER	K-9910YGCB	222	16.7	3
KAYSTAR	KX-8615Bt	222	16.8	5
STINE	9804 YGCB	220	18.3	7
KRUGER	K-9111YGCB	219	16.8	0
Average all entries		228	17.5	3
Difference req. for sig. 5%		10	0.7	N.S.
3 Year Averages				
KAYSTAR	KX-890Bt	244	17.2	0
PIONEER	33B51	241	18.3	5
RENZE	9454YGC/RR	241	18.0	1
TRIUMPH	1416Bt	238	17.2	1
Average all entries		241	17.7	2
Difference req. for sig. 5%		N.S.	0.6	N.S.

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Corn Plot Locations - 2005



South Central Irrigated Rootworm Corn Hybrid Tests Clay, Buffalo and Valley Counties - 2005

Brand	Hybrid	Yield Average bu/a	Clay bu/a	Buffalo bu/a	Valley bu/a	Grain moisture pct	Broken Stalk pct	Dropped Ear pct
KRUGER	K-9115YGPLUS	236	242	239	228	15.5	2	2
RENZE	1454YGPL/RR	233	240	241	218	15.6	4	3
KRUGER	K-9212TS	231	235	245	212	14.9	7	2
TRIUMPH	1536RwRR	228	238	226	220	15.5	4	2
TRISLER	5337CB	228	229	258	197	16.1	0	0
RENZE	3364YGPL	227	219	237	226	14.9	4	3
KRUGER	K-9212YGPLUS	226	231	226	220	15.1	5	3
TRISLER	5257RRCB	224	235	226	212	15.7	3	2
CIRCLE	CS-8274YGCB	223	236	235	197	15.6	2	1
KRUGER	K-9115TS	222	240	216	211	15.4	1	1
RENZE	2434YGRW/RR	222	235	230	201	15.2	6	3
RENZE	3454YGPL	220	234	225	201	15.4	3	2
RENZE	2526YGRW/RR	219	225	240	192	16.1	5	3
KRUGER	K-9308YGPLUS	210	204	225	201	14.3	2	1
Average all entries		225	232	234	210	15.4	3	2
Difference req. for sig. 5%		N.S.	17	22	N.S.	0.6	N.S.	N.S.

South Central Irrigated Rootworm Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct
2 Year Averages				
TRIUMPH	1536RwRR	229	16.8	2
RENZE	3364YGPL	227	16.3	3
TRISLER	5337CB	226	17.9	0
RENZE	2434YGRW/RR	226	16.7	4
Average all entries		227	16.9	2
Difference req. for sig. 5%		N.S.	0.7	N.S.

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Seed Guide 2006

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South Central Rainfed Corn Hybrid Tests Clay and Saline Counties - 2005

Brand	Hybrid	Average bu/a	Yield Clay bu/a	Saline bu/a	Grain moisture pct	Bushel Weight lb/bu
PIONEER	33B51 ##	160	156	164	17.4	61.3
NORTHRUP KING	N 65C5 ##	156	151	160	16.9	61.3
PIONEER	31G68##	154	138	170	18.2	60.7
DEKALB Genetics	DKC 63-81##	153	142	164	16.8	62.3
ASGROW	RX715RR##	149	142	155	16.6	61.3
KRUGER	K-8414HX	144	112	176	17.7	59.9
KRUGER	K-9313YGCB	143	134	151	17.3	60.0
KRUGER	K-2517RR/YGCB	141	125	156	18.1	60.1
KAYSTAR	KX-8615Bt	140	128	151	17.1	61.0
KAYSTAR	KX-890Bt	139	127	151	16.8	61.2
NUPRIDE	5145B	139	121	157	18.7	59.0
KRUGER	K-9212RR/YGCB	139	136	141	17.0	61.1
LG SEEDS	LG 2640 Bt	138	125	150	15.0	60.7
NORTHRUP KING	N 76D3 ##	136	125	147	17.5	60.2
KRUGER	K-9115RR/YGCB	135	116	154	17.8	61.1
KAYSTAR	KX-7980Bt	134	134	134	16.7	60.0
KRUGER	K-9111YGCB	133	117	148	16.2	60.0
NORTHRUP KING	N 70T9 ##	131	106	156	17.4	60.6
KRUGER	K-0614B	131	124	138	17.5	60.5
KRUGER	K-0614A	126	120	131	16.7	62.0
KAYSTAR	KX-8770RRBt	126	109	142	18.0	61.4
NUPRIDE	5125	117	98	135	17.7	61.1
Average all entries		139	121	151	17.3	58.1
Difference req. for sig. 5%		NS	22	17	1.2	0.9

entered by UN-L Agronomy Department

South Central Rainfed Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
PIONEER	33B51	150	16.5	0	61.3
KAYSTAR	KX-890Bt	148	16.3	0	61.2
KRUGER	K-9212RR/YGCB	145	16.6	1	61.1
KAYSTAR	KX-8615Bt	138	16.6	0	61.0
KRUGER	K-9111YGCB	138	15.8	0	60.0
Average all entries		144	16.4	0	60.9
Difference req. for sig. 5%	N.S.	N.S.	N.S.	N.S.	

Seed Guide 2006



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Northeast Rainfed Corn Hybrid Test - 2005 Dixon County

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu
HEINE	H818 YGCB	213.6	15.1	52.9
HEINE	H851 YGCB	210.8	15.3	54.3
EPLEY BROS HYBRIDS	E3225RRRW	210.8	15.2	54.6
KRUGER	K-9212RR/YGCB	209.9	15.3	55.5
HEINE	H827 YGCB	209.2	15.3	52.5
MERSCHMAN	M-612D-1	204.2	15.2	53.5
KRUGER	K-9115RR/YGCB	203.9	15.1	54.3
RENZE	8386YGCB	202.9	15.4	53.3
KRUGER	K-8414HX	202.2	15.6	50.1
CIRCLE	CS-5613YGCB	200.0	15.3	56.7
ASGROW	RX752 YG	199.3	15.1	54.1
KRUGER	K-9313YGCB	198.6	15.1	52.9
MERSCHMAN	M-314A-3	198.5	15.4	52.6
KRUGER	K-0608A	197.4	15.0	52.5
MERSCHMAN	M-509A-3	197.2	15.3	53.5
PIONEER	33B51 ##	196.2	15.2	52.8
KRUGER	K-2605RR/YGCB	194.9	15.0	53.4
MERSCHMAN	M-311A-1	194.4	15.0	52.9
PIONEER	34N43 ##	194.2	15.2	53.8
RENZE	8336YGCB	193.7	15.3	52.6
KRUGER	K-9310YGCB	193.2	15.3	52.7
KRUGER	K-5313YGCB	193.1	15.1	51.6
HEINE	H820 YGCB	193.0	15.1	52.3
KRUGER	K-5610YGCB	192.6	14.6	55.2
EPLEY BROS HYBRIDS	E3670YGCB	192.5	15.0	54.3
HEINE	H856 YGCB	191.5	15.7	53.7
DEKALB Genetics	DKC 60-16##	189.3	15.2	52.5
KRUGER	K-5606YGCB	188.1	14.9	52.2
KRUGER	K-0610	188.0	14.8	52.9
PIONEER	34N44 ##	187.7	15.0	53.0
RENZE	8286YGCB	187.2	14.7	55.3
KRUGER	K-8605HX	186.3	15.5	51.9
EPLEY BROS HYBRIDS	E36R65YGCB	185.9	15.7	53.1
RENZE	8226YGCB	185.9	15.0	54.7
KRUGER	K-5505YGCB	185.5	14.9	53.5
EPLEY BROS HYBRIDS	E24R90YGCB	185.1	14.8	52.1
MERSCHMAN	M-613B	184.7	15.8	53.8
EPLEY BROS HYBRIDS	E3454	184.5	15.3	51.7
KRUGER	K-9407YGCB	181.6	15.0	51.9
KRUGER	K-0508	181.1	15.1	52.9
KRUGER	K-8609HX	180.3	14.7	53.3
EPLEY BROS HYBRIDS	E14R95YGCB	178.2	15.0	52.7
KRUGER	K-9910YGCB	177.6	14.9	53.7
RENZE	6276	172.9	14.6	52.3
EPLEY BROS HYBRIDS	E3436LL	171.7	14.8	52.1
KRUGER	K-9111YGCB	171.6	14.5	51.5
KRUGER	K-2506RR/YGCB	171.0	15.0	54.2
KRUGER	K-5510YGCB	169.6	15.1	51.3
KRUGER	K-2410RR/YGCB	161.1	14.8	52.9
Average all entries		190.7	15.1	53.1
Difference required for significance		23.9	N.S.	N.S.

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Northeast Rainfed Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
HEINE	H851 YGCB	214	14.9	2	52.8
HEINE	H827 YGCB	210	15.0	5	52.2
KRUGER	K-9212RR/YGCB	207	14.8	0	52.3
EPLBY BROS HYBRIDS	E3670YGCB	205	14.8	1	53.0
ASGROW	RX752 YG	199	15.0	0	52.9
DEKALB Genetics	DKC 60-16	195	14.8	0	52.3
PIONEER	33B51	192	15.1	11	53.2
KRUGER	K-9910YGCB	189	14.4	0	53.2
KRUGER	K-9111YGCB	178	14.4	0	51.9
Average all entries		199	14.8	2	52.6
Difference req. for sig. 5%		16	N.S.	N.S.	N.S.



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Northeast Irrigated Corn Hybrid Test - 2005

Pierce County

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu	Plants per acre
KRUGER	K-5514YGCB	237.9	16.4	52.5	29168
RENZE	8386YGCB	227.0	17.0	51.7	28964
HEINE	H856 YGCB	226.5	16.7	52.5	29310
RENZE	9454YGCB/RR	225.5	16.1	50.7	28888
EPLEY BROS HYBRIDS	E3670YGCB	224.7	16.2	52.0	28847
KRUGER	K-5416YGCB	222.4	17.0	52.4	29382
CIRCLE	CS-5613YGCB	219.1	15.7	51.1	29517
HEINE	H851 YGCB	218.7	16.1	52.1	28774
NUPRIDE	5090B	217.5	15.3	53.1	29429
GOLDEN HARVEST	H-9250 ##	217.1	16.8	52.6	29025
RENZE	8336YGCB	216.8	15.4	51.5	29366
GARST SEED CO	8376YG1	215.1	16.3	52.1	29128
KRUGER	K-9115RR/YGCB	214.2	16.3	53.8	28753
KRUGER	K-9910YGCB	213.9	15.9	52.6	29505
HAWKEYE	324Bt	213.0	16.8	52.1	29315
KRUGER	K-8414HX	212.8	16.6	51.9	29427
KRUGER	K-9111YGCB	211.8	16.0	52.0	29428
EPLEY BROS HYBRIDS	E36R65YGCB	209.6	16.6	50.9	29597
KRUGER	K-8609HX	209.2	16.3	51.0	29420
KRUGER	K-9212RR/YGCB	208.8	15.7	52.6	29373
EPLEY BROS HYBRIDS	E3436LL	208.0	15.8	50.5	29466
MYCOGEN	2P682	207.7	15.5	52.2	29527
HEINE	H820 YGCB	205.3	16.1	50.8	28826
KRUGER	K-5313YGCB	205.2	15.3	51.9	28930
KRUGER	K-9310YGCB	204.7	16.5	54.4	29242
KRUGER	K-9313YGCB	204.6	16.0	51.4	29440
RENZE	9365YGCB/RR	203.7	16.4	53.0	29417
RENZE	8286YGCB	202.4	16.0	51.6	29122
STINE	9724 YGCB	201.4	16.7	51.1	29389
PRODUCERS	7321 ##	200.9	16.2	50.8	29292
EPLEY BROS HYBRIDS	E3225RRRW	200.6	16.1	50.9	28573
EPLEY BROS HYBRIDS	E3454	199.8	16.5	51.4	29348
KRUGER	K-9407YGCB	198.0	15.6	53.0	29401
EPLEY BROS HYBRIDS	E24R90YGCB	197.4	16.0	53.4	29180
HEINE	H818 YGCB	197.3	16.3	51.8	29456
RENZE	8226YGCB	197.0	15.7	50.6	29293
KRUGER	K-2410RR/YGCB	196.2	15.9	51.9	29004
KRUGER	K-5610YGCB	195.4	16.2	52.6	29168
KRUGER	K-5510YGCB	192.6	15.8	52.2	29475
STINE	9703 YGCB	191.7	15.9	52.3	29361
PIONEER	34N44 ##	189.9	16.0	52.9	29484
HEINE	H827 YGCB	185.5	16.5	53.6	29546
KRUGER	K-2506RR/YGCB	182.8	15.7	51.6	28788
EPLEY BROS HYBRIDS	E14R95YGCB	180.2	15.3	52.8	29470
KRUGER	K-0508	180.0	15.5	52.0	29121
RENZE	8196YGCB	168.4	15.2	53.6	28585
Average all entries		205.7	16.1	52.1	29235
Difference required for significance		23.4	1.0	N.S.	N.S.

entered by UN-L Department of Agronomy and Horticulture

Northeast Irrigated Corn Hybrid Tests 2003 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Bushel weight lb/bu
2 Year Averages				
RENZE	9454YGCB/RR	220	16.1	52.3
HEINE	H851 YGCB	214	16.2	52.6
NUPRIDE	5090B	209	15.7	52.7
GARST SEED CO	8376YG1	209	16.4	52.9
KRUGER	K-9910YGCB	202	15.8	53.2
EPLEY BROS HYBRIDS	E3670YGCB	201	16.1	53.4
KRUGER	K-9212RR/YGCB	199	15.8	54.1
HEINE	H827 YGCB	194	16.4	54.3
KRUGER	K-9111YGCB	192	15.7	53.9
Average all entries		204	16.0	53.3
Difference req. for sig. 5%		N.S.	0.5	N.S.
3 Year Averages				
RENZE	9454YGCB/RR	214	15.8	56.4
HEINE	H851 YGCB	206	16.0	53.3
NUPRIDE	5090B	203	15.4	49.8
HEINE	H827 YGCB	194	16.0	53.3
Average all entries		204	15.8	53.2
Difference req. for sig. 5%		N.S.	0.4	N.S.

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Northeast Irrigated Corn Hybrid Test - 2005

Holt Co.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu	Broken plants pct
KRUGER	K-0610	248.4	16.0	57.7	0.5
KRUGER	K-5416YGCB	245.8	16.6	56.1	1.7
KRUGER	K-5514YGCB	241.7	16.5	56.5	3.0
KRUGER	K-9115RR/YGCB	241.6	16.7	55.4	3.2
PIONEER	34N42 ##	241.6	16.1	56.7	0.2
MYCOGEN	2P682	239.6	16.2	55.5	0.0
DEKALB Genetics	DKC 57-84	238.0	15.7	54.9	1.4
DEKALB Genetics	DKC 61-72	237.8	16.1	55.2	5.0
GARST SEED CO	8566YG1	236.4	16.1	56.6	0.0
MARK SEED	LL02HX110	234.4	16.7	57.6	4.0
MYCOGEN	2P722	227.7	16.5	56.7	2.2
CIRCLE	CS-5613YGCB	227.4	16.2	55.4	3.5
KRUGER	K-8414HX	226.6	17.0	54.1	7.9
KRUGER	K-2410RR/YGCB	226.3	16.2	55.7	1.5
DEKALB Genetics	DKC 60-19##	226.3	16.3	58.5	0.0
KRUGER	K-9310YGCB	226.0	15.8	55.8	0.8
KRUGER	K-5313YGCB	225.4	16.8	54.6	0.6
GARST SEED CO	8552YG1	224.2	16.2	57.6	0.0
PIONEER	33B51 ##	223.9	16.5	58.7	1.5
DEKALB Genetics	DKC 55-82	221.8	16.2	55.7	1.7
MARK SEED	04BT105	221.2	16.5	55.9	0.0
KRUGER	K-2506RR/YGCB	220.7	15.3	56.0	0.0
KRUGER	K-9313YGCB	219.8	16.4	55.5	0.8
KRUGER	K-5610YGCB	218.9	16.6	55.1	0.0
KRUGER	K-8605HX	218.8	16.1	55.4	2.5
MYCOGEN	2E705	218.5	16.8	55.3	1.4
KRUGER	K-2605RR/YGCB	218.2	15.8	55.9	0.0
KRUGER	K-0508	217.4	15.6	55.6	0.0
KRUGER	K-8609HX	217.2	16.3	55.4	0.0
KRUGER	K-9212RR/YGCB	215.9	16.2	57.0	6.6
KRUGER	K-5510YGCB	215.6	16.1	55.3	1.7
MYCOGEN	2R570 ##	214.7	15.1	56.1	3.5
KRUGER	K-5505YGCB	214.3	16.3	56.8	0.0
KRUGER	K-9407YGCB	212.5	15.9	56.9	0.0
MARK SEED	RR05BT105	211.4	15.7	55.3	3.4
GARST SEED CO	8535YG1/IT	205.5	16.0	55.6	3.1
KRUGER	K-9910YGCB	204.4	16.1	55.8	0.0
KRUGER	K-9111YGCB	202.0	15.8	57.2	4.2
DEKALB Genetics	DKC 57-30	196.3	15.6	57.1	5.4
MYCOGEN	2J525 ##	193.0	15.5	56.8	0.0
DEKALB Genetics	DKC 54-51 ##	189.8	15.7	54.8	2.0
MYCOGEN	2D555	185.5	15.8	56.8	0.0
Average all entries		221.7	16.2	56.1	2
Difference required for significance		22.7	0.9	2.7	3.3

entered by UN-L Department of Agronomy and Horticulture

West Central Irrigated Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
OTILIE	5436 YGCB	243	13.8	1	58.9
KRUGER	K-9910YGCB	228	13.4	1	59.0
KRUGER	K-9111YGCB	209	13.2	1	59.4
KRUGER	K-9212RR/YGCB	206	13.4	2	58.6
Average all entries		222	13.5	1	59.0
Difference req. for sig. 5%		N.S.	0.2	0	N.S.

West Central Irrigated Corn Hybrid Tests Furnas and Red Willow Counties - 2005

Brand	Hybrid	Average bu/a	Yield Furnas bu/a	Red Willow bu/a	Grain moisture pct	Broken Stalk pct	Bushel Weight lb/bu
CIRCLE	CS-8414HX	243	257	229	13.2	4	60.2
LG SEEDS	LG 2619 Bt	241	233	249	13.1	1	60.3
OTILIE	5436 YGCB	240	238	241	13.4	1	60.1
OTILIE	5476 YGCB	239	239	238	13.4	3	60.0
CIRCLE	CS-8005RR/YGCB	234	237	230	13.3	0	60.1
KRUGER	K-9115RR/YGCB	232	237	227	13.2	1	60.2
KRUGER	K-0614B	228	223	232	13.2	1	60.2
TRIUMPH	1536CbRR	225	223	227	13.3	1	60.1
KRUGER	K-9313YGCB	225	220	230	13.2	1	60.2
CIRCLE	CS-6199RR/YGCB	224	227	220	12.9	3	60.5
KRUGER	K-2517RR/YGCB	223	212	234	13.5	3	60.0
TRIUMPH	1416Bt	223	228	218	13.1	2	60.3
GRAND VALLEY	23B05P	221	220	222	12.8	0	60.5
GRAND VALLEY	13B78	221	218	223	13.2	2	60.3
KRUGER	K-5416YGCB	219	222	216	13.2	0	60.3
KRUGER	K-9212RR/YGCB	218	223	213	12.8	2	60.5
CIRCLE	CS-6133RR/YGCB	217	220	214	12.8	0	60.5
KRUGER	K-9313RRYGCB	216	216	216	13.2	1	60.1
OTILIE	5334 YGCB	216	220	211	13.2	0	60.3
KRUGER	K-9111YGCB	214	218	210	12.7	0	60.5
CIRCLE	CS-8274YGCB	214	205	223	13.1	4	60.4
GRAND VALLEY	22B70P	211	216	206	12.9	1	60.5
KRUGER	K-9910YGCB	211	213	209	12.9	1	60.4
GRAND VALLEY	23P03P	209	209	209	12.8	1	60.6
KRUGER	K-5514YGCB	206	196	215	13.1	1	60.4
KRUGER	K-0614A	205	205	204	13.0	2	60.5
STINE	9703 YGCB	199	205	193	13.3	2	60.2
CIRCLE	CS-8614HX	186	172	200	13.5	2	59.8
Average all entries		220	220	220	13.1	1	60.3
Difference req. for sig. 5%		18	32.4	21	0.3	NS	0.3

Southwest Irrigated Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
TRISLER	5257CB	273	16.6	3	58.1
OTILIE	5436 YGCB	272	16.6	4	57.3
TRISLER	5240CB	265	16.0	5	58.8
OTILIE	5334 YGCB	253	15.6	6	57.9
Average all entries		266	16.2	5	58.0
Difference req. for sig. 5%		8	N.S.	N.S.	N.S.

Southwest Irrigated Corn Hybrid Tests Lincoln and Dundy Counties - 2005

Brand	Hybrid	Yield Average bu/a	Lincoln bu/a	Dundy bu/a	Grain moisture pct	Broken Stalk pct	Bushel Weight lb/bu
GARST SEED CO	8380IT	259	267	250	16.2	3	58.1
OTILIE	5436 YGCB	259	260	258	16.2	7	58.0
CIRCLE	CS-8005RR/YGCB	259	261	256	16.0	2	58.2
GARST SEED CO	8376YG1	258	261	255	15.7	1	58.4
KRUGER	K-9212RR/YGCB	257	264	249	15.3	2	58.6
TRISLER	5257CB	257	266	247	15.8	3	58.4
TRISLER	5338RRCB	257	262	252	15.8	2	58.1
KRUGER	K-2517RR/YGCB	257	267	247	16.6	2	57.7
KRUGER	K-5416YGCB	256	255	256	15.7	2	58.2
CIRCLE	CS-8274YGCB	256	254	257	15.2	5	58.5
CIRCLE	CS-6199RR/YGCB	252	249	254	14.7	3	58.9
LG SEEDS	LG 2633 Bt	251	245	256	15.7	3	58.6
OTILIE	5476 YGCB	250	247	252	16.2	3	57.9
KRUGER	K-9115RR/YGCB	250	243	257	16.2	2	58.0
CIRCLE	CS-8264YGCB	249	243	255	16.3	2	58.2
TRISLER	5240CB	248	251	245	15.8	1	58.2
TRIUMPH	1866Bt	248	260	235	16.9	2	57.6
TRIUMPH	1536CbRR	244	243	245	16.2	2	58.1
KRUGER	K-9910YGCB	242	234	250	14.4	1	59.3
KRUGER	K-0614A	241	239	243	14.3	3	59.3
TRISLER	5337RRCB	241	237	245	16.6	1	57.7
KRUGER	K-9313YGCB	240	235	244	15.2	5	58.4
KRUGER	K-0614B	238	246	230	15.5	3	58.5
KRUGER	K-9111YGCB	238	228	247	13.9	8	59.6
KRUGER	K-5514YGCB	237	235	238	15.0	3	58.9
KRUGER	K-9313RRYGCB	234	234	234	15.4	0	58.7
KRUGER	K-0617A	233	233	232	14.5	1	59.3
OTILIE	5334 YGCB	233	212	254	15.4	6	58.4
CIRCLE	CS-8414HX	233	236	229	15.6	5	58.4
NUPRIDE	5112	232	226	237	15.1	2	58.9
CIRCLE	CS-6133RR/YGCB	228	229	227	14.8	5	59.1
CIRCLE	CS-8614HX	217	223	210	16.3	2	57.7
Average all entries		245	245	245	15.6	3	58.4
Difference req. for sig. 5%		19	22	15	1.4	N.S.	0.9

West Central No-Till Lincoln and Perkins Counties - 2005

Brand	Hybrid	Yield		Grain		Bushel Weight
		Average bu/a	Lincoln bu/a	Perkins bu/a	moisture pct	
TRISLER	2850CB	100	101	99	16.7	58.2
TRISLER	5240CB	93	90	96	20.1	55.9
TRISLER	5130RRCB	92	93	91	19.2	56.9
Average all entries		95	95	95	18.7	57.0
Difference req. for sig. 5%		N.S.	14	13	1.1	0.3

Central Irrigated Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
OTILIE	5334 YGCB	221	16.1	12	57.6
TRISLER	5244RRCB	213	15.6	17	58.1
OTILIE	5006 YGCB	212	14.9	15	57.8
TRISLER	5160CB	211	15.5	18	57.9
KRUGER	K-9910YGCB	209	15.1	7	57.2
KRUGER	K-9111YGCB	208	14.9	15	57.6
KRUGER	K-9212RR/YGCB	203	15.3	18	57.6
Average all entries		211	15.3	15	57.7
Difference req. for sig. 5%		N.S.	0.5	N.S.	N.S.

Central Irrigated Corn Hybrid Tests Custer and Dawson Counties - 2005

Brand	Hybrid	Yield Average bu/a	Custer bu/a	Dawson bu/a	Grain moisture pct	Broken Stalk pct	Bushel Weight lb/bu
LG SEEDS	LG 2619 Bt ##	249	251	246	16.2	3	57.9
GARST SEED CO	8376YG1	246	244	247	16.0	0	58.1
KRUGER	K-9115RR/YGCB	243	246	240	16.3	1	57.9
TRISLER	5257RRCB	240	238	242	16.5	1	57.8
KRUGER	K-2517RR/YGCB	236	246	226	16.5	2	57.7
CIRCLE	CS-8414HX	234	234	233	16.1	4	58.0
GARST SEED CO	8371 ##	231	236	226	16.2	4	57.9
PIONEER	33B51 ##	231	243	219	16.3	3	58.0
OTILIE	5334 YGCB	230	226	233	15.7	0	58.4
CIRCLE	CS-8005RR/YGCB	229	210	247	16.8	4	57.6
KRUGER	K-5416YGCB	228	233	223	15.9	3	58.2
TRISLER	5244RRCB	228	236	219	15.0	2	58.7
CIRCLE	CS-8274YGCB	227	231	223	15.4	7	58.5
CIRCLE	CS-6133RR/YGCB	226	232	219	14.8	0	58.8
TRISLER	5240CB	225	228	222	16.1	3	58.0
KRUGER	K-9111YGCB	224	228	219	14.1	5	59.3
PIONEER	33P67 ##	223	219	226	15.9	0	58.4
GARST SEED CO	8288 ##	222	204	240	16.9	4	57.5
OTILIE	5006 YGCB	222	224	220	14.3	3	59.2
TRISLER	5160CB	222	231	212	14.7	4	58.9
KRUGER	K-0610	221	225	216	15.1	4	58.7
KRUGER	K-9313YGCB	221	229	213	15.7	3	58.3
KRUGER	K-9313RRY GCB	218	225	211	15.7	2	58.3
KRUGER	K-5514YGCB	218	218	217	15.1	2	58.7
CIRCLE	CS-5613YGCB	217	218	215	15.0	2	58.7
CIRCLE	CS-6199RR/YGCB	217	222	211	15.4	2	58.5
OTILIE	5184 YGCB	215	216	213	15.8	3	58.3
PIONEER	34N42 ##	215	215	215	15.6	4	58.4
TRISLER	5175Bt	215	222	207	14.9	2	58.9
KRUGER	K-9212RR/YGCB	214	235	193	15.0	10	58.7
LG SEEDS	LG 2540Bt ##	214	210	217	15.1	2	58.8
NORTHROP KING	N 70T9 ##	213	220	205	16.0	1	58.2
PIONEER	34B99 ##	212	205	219	14.7	1	59.2
PIONEER	34H31 ##	212	220	203	15.4	2	58.6
GARST SEED CO	8548YG1	212	215	208	15.4	4	58.6
STINE	9724 YGCB	211	210	212	15.6	1	58.4
STINE	9804 YGCB	209	200	218	16.6	4	57.7
KRUGER	K-5610YGCB	209	207	211	14.8	16	58.9
KRUGER	K-9910YGCB	208	207	208	14.6	2	58.9
STINE	9703 YGCB	206	199	213	15.3	1	58.5
KRUGER	K-5510YGCB	201	207	195	15.5	3	58.3
CIRCLE	CS-8614HX	193	191	195	16.6	1	57.7
TRISLER	5130RRCB	193	200	186	15.2	0	58.5
Average all entries		220	222	218	15.6	3	58.4
Difference req. for sig. 5%		20	25	19	0.7	9	1.3

entered by UN-L Agronomy Department

North Central Irrigated Corn Hybrid Tests 2004 - 2005

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
2 Year Averages					
GARST SEED CO	8552YG1	211	17.4	7	56.0
KRUGER	K-9212RR/YGCB	205	17.7	4	55.5
GARST SEED CO	8535YG1/IT	195	17.2	8	55.3
KRUGER	K-9111YGCB	190	17.7	3	54.4
GARST SEED CO	8548YG1	183	18.5	4	54.7
KRUGER	K-9910YGCB	182	17.8	3	54.9
Average all entries		194	17.7	5	55.1
Difference req. for sig. 5%		N.S.	N.S.	N.S.	N.S.

North Central Irrigated Corn Hybrid Tests Brown County Furrow and Pivot Irrigated- 2005

Brand	Hybrid	Yield Average bu/a	Furrow bu/a	Pivot bu/a	Grain moisture pct	Broken Stalk pct	Bushel Weight lb/bu
KRUGER	K-9115RR/YGCB	223	222	223	19.7	2	56.0
KRUGER	K-8414HX	223	219	226	19.1	2	56.4
KRUGER	K-0610	218	220	215	17.9	2	57.0
KRUGER	K-5514YGCB	214	212	216	18.7	1	56.5
LG SEEDS	LG 2545 Bt	213	222	203	18.6	1	56.6
KRUGER	K-9313YGCB	212	220	203	18.8	2	56.5
CIRCLE	CS-2605RR/YGCB	211	205	217	17.1	1	57.4
CIRCLE	CS-6199RR/YGCB	209	196	222	17.9	3	57.0
CIRCLE	CS-6133RR/YGCB	209	201	217	17.7	2	57.1
GARST SEED CO	8552YG1	207	207	206	17.4	0	57.3
CIRCLE	CS-5509YGCB	206	197	214	17.4	2	57.4
KRUGER	K-5416YGCB	206	205	207	19.3	5	56.2
CIRCLE	CS-0409	206	208	203	18.8	1	56.6
KRUGER	K-5505YGCB	203	202	204	16.9	0	57.6
GARST SEED CO	8535YG1/IT	202	208	196	17.3	2	57.3
CIRCLE	CS-8607HX	200	191	208	17.8	3	56.9
CIRCLE	CS-5613YGCB	200	204	196	17.9	4	57.0
KRUGER	K-9407YGCB	198	195	200	16.4	0	57.9
KRUGER	K-2506RR/YGCB	197	202	192	16.1	0	58.1
KRUGER	K-0508	196	191	201	16.7	0	57.6
GARST SEED CO	8548YG1	196	190	201	18.8	3	56.5
KRUGER	K-5510YGCB	195	202	188	18.9	1	56.6
KRUGER	K-9212RR/YGCB	193	184	201	18.5	5	56.8
GARST SEED CO	8665YG1	191	187	194	17.5	1	57.2
KRUGER	K-5610YGCB	190	177	203	17.7	3	57.1
KRUGER	K-9111YGCB	190	187	193	17.9	2	57.0
KRUGER	K-9910YGCB	189	174	204	17.7	1	57.1
CIRCLE	CS-8609HX	188	180	195	17.4	2	57.2
KRUGER	K-8605HX	179	177	181	17.2	2	57.4
Average all entries		202	199	204	17.9	2	57.0
Difference req. for sig. 5%		18.2	22	23	0.9	N.S.	0.5

West Irrigated Corn Hybrid Tests Scotts Bluff and Goshen Counties - 2005

Brand	Hybrid	Yield Average bu/a	Scotts Bluff bu/a	Goshen bu/a	Grain moisture pct	Bushel Weight lb/bu	Plant height Inches
DYNA-GRO	55P57 (YGCB/RR2)	205	202	208	16.6	56.0	97
GRAND VALLEY	X12HX36P	204	199	209	14.5	53.2	94
GRAND VALLEY	X12HX34P	196	194	198	14.7	53.6	92
DYNA-GRO	55P41 (YGCB/RR2)	186	186	186	16.4	53.5	92
GRAND VALLEY	11B50	182	169	195	13.3	56.1	87
DYNA-GRO	53K98 (RR2)	180	171	189	14.2	55.5	87
GRAND VALLEY	12B12P	178	173	183	13.7	55.0	92
GRAND VALLEY	21R04	158	129	186	12.1	55.7	84
Average all entries		186	178	194	14.4	54.8	91
Difference req. for sig. 5%		26	19	23	1.4	1.7	5

Longitude & Latitude 2005 Corn Plots

County/Location	Latitude	Longitude
Nemaha	40.4760	-96.0160
Saunders	41.2540	-96.6014
Gage	40.0313	-96.7594
Dixon	42.3780	-96.9570
Saline	40.4816	-97.1311
Butler	41.2161	-97.1553
York	40.7174	-97.4842
Pierce IRR	42.2010	-97.8270
Clay Irr	40.5752	-98.1451
Holt	42.5042	-98.7543
Valley	41.5395	-98.7794
Buffalo Irr	40.6793	-98.8326
Custer IRR	41.5363	-99.8268
Brown Pivot	42.7007	-99.8733
Furnas IRR	40.3070	-99.8894
Brown Furrow	42.5881	-99.8915
Dawson IRR	40.8152	-99.9962
Red Willow IRR	40.2152	-100.7522
Lincoln NT	41.0609	-100.7527
Lincoln IRR	41.0610	-100.7530
Perkins NT	40.8416	-101.4211
Dundy IRR	40.2256	-101.6730
Scotts Bluff	41.7492	-103.7193
Goshen Irr	42.0790	-104.1830

NEBRASKA SOYBEAN VARIETY TESTS

2005

Crop Production Summary

The November 2005 estimated soybean yield for Nebraska was 49 bushels per acre from 4,650,000 harvested acres. The 49 bushels per acre breaks the previous 1994 record of 47 bushels per acre. The total production of soybeans for the state was forecasted at 228,000,000 bushels. This would also be a record. These estimates are from the November Nebraska Agricultural Statistics Service. The June 12th Soybean summary showed that planting had progressed to 98 % complete, this was close to last year and in line with the five year average. By July 10th, 52 % of the soybean crop has bloomed, ahead of last year at 41 % and the average of 25 %. Soybean condition was rated 1 % very poor, 5 % poor, 29 % fair, 48 % good and 17 % excellent. As of August 14th soybean condition rated at 4 % very poor, 14 % poor, 29 % fair, 42 % good, and 11 % excellent. Plants were setting pods on 95 % of the acreage, compared to 87 % last year and 82 % average. As of September 18th, soybean condition rated at 4 % very poor, 12 % poor, 30 % fair, 42 % good, and 12 % excellent. Plants had turned color on 96 % of the crop, ahead of last year and the average of 86 %. Plants had dropped leaves on 62 % of the acreage, ahead of last year at 52% and the average of 53 %. By October 16th harvest progressed to 89 % combined, ahead of last year at 78 % and average at 75 %.

PROCEDURE

Data were obtained from 18 trials at 10 locations (Table A). Privately developed varieties were selected by the seed supplier or agronomists at the University of Nebraska Department of Agronomy and Horticulture. At seven locations, entries were divided into early and late maturing varieties for convenience in handling. A list of entries by brand name is shown in Table B. Names and addresses of entrants are shown in Table C.

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. In the West Central, plots were seeded with an air seeder which planted the same number of seeds for each plot. The population in Red Willow County was 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. 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 (45°), or 25% to 50% of the plants down, 4 = All plants leaning considerably, or 50% to 80% of the plants down, 5 = Almost all plants down.

Protein and oil content were obtained at 18 tests in 2004. 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 (\$.2099/lb.) and 44.0 percent protein soybean meal (\$168.60/ton) on the January future prices. EPVA is calculated on an acre basis by multiplying the yield (bu/acre) times the EPV/bu. The University of Nebraska Soil and Plant Analytical Lab did the protein and oil content analyses and we thank them for their cooperation. We also want to acknowledge support from the Nebraska Soybean Board in financially supporting the protein and oil tests.

The rainfall and temperature data were obtained by interpolating across all the weather stations in Nebraska and surrounding states. The data were supplied by I. Cottingham, Unified Climate Access Network. Dept. of Computer Science & Engineering, University of Nebraska-Lincoln, NE.

PERFORMANCE

Performance of entries cannot be measured with absolute accuracy because of variations in moisture, soil fertility and other factors. Also, most fields contain some spatial variability. This is the fifth year of use of a statistical procedure for reducing the 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. 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. When comparing varieties, it is important to observe their performance for more than one year. Comparisons are best if they are done over the largest possible number of years. It should be noted that with the rapid development and turnover of varieties, very few varieties have three year averages. We encourage you to use data from many sources in comparing soybean varieties. Nebraska Cooperative Extension has developed two NebGuides to assist you in choosing new soybean varieties. The titles are Using Variety Test Data to Choose Soybean Varieties Part 1 and Part 2. These are available at your local Extension office or on the web at <http://ianrpubs.unl.edu/fieldcrops/g1546.htm> and <http://ianrpubs.unl.edu/fieldcrops/g1547.htm>.

RESULTS AT INDIVIDUAL LOCATIONS

Northeast

Five tests were planted at two locations. Dixon County was a dryland location and Pierce County was irrigated. Eight varieties were entered in the conventional dryland test. Fourteen varieties were entered in the Roundup Ready Early Maturing tests at both locations. Twenty nine varieties were entered in the Roundup Ready Late Maturing tests in both locations. The Dixon County tests were planted May 27th and harvested September 30th. The conventional dry land test averaged 52 bu/a. The early maturing roundup ready dryland test averaged 54 bu/a and the dryland late maturing roundup ready test averaged 48 bu/a. The Pierce County Irrigated Roundup Ready tests were planted May 24th and harvested October 3rd. The early maturing test and the late maturing test both averaged 43 bu/a. Phytophthora Root Rot was a possible cause for the lower yields.

East/South Central

Seven Roundup Ready tests at four locations were planted in Saunders, Harlan, Furnas and Sarpy Counties. The Saunders County irrigated test were planted May 20th and harvested October 10th. These tests were no-tilled into corn stubble with good moisture. They were sprayed twice with Buccaneer Plus. This test was irrigated four times with one inch of water applied each time. The early maturing test averaged 63 bushels per acre while the late maturing test averaged 64 bushels per acre. The Harlan County pivot irrigated plot was planted May 19th. The Furnas County tests were pivot irrigated. Tests were planted May 17th no-till into corn residue at 220,000 seeds per acre. These tests were sprayed twice with glyphosate. This test was harvested October 4th with the early test averaging 77 bushels per acre and the late maturing test averaged 74 bushels per acre. The Sarpy County Cyst Nematode test was planted May 20th and harvested October 11th. This test was hurt by dry weather, weed pressure and nematodes.

There were four Roundup Ready tests at two locations in Jefferson and Clay County. The Jefferson County test was planted May 19th and harvested October 4th. This was a no-till location planted into corn stubble at 150,000 seeds per acre. Good growing conditions and timely rains during the summer produced some very good dryland yields. The early and late test both averaged 61 bushels per acre. The Clay County test was planted May 18th at 123,000 seeds per acre. Seventeen oz/a of Cell Tech inoculant was applied at planting. This test was gravity irrigated and followed corn from 2004. This test was harvested October 4th with the early maturing test averaging 74 bu/a and the late test averaging 75 bu/a.

Central Irrigated (Page 53)

Two tests were planted in Valley and Dawson Counties with 41 entries each. The Valley County test was planted May 17th and harvested October 13th. This test was gravity irrigated and had 10 gallon of 10-34-0 applied at planting.

This test was disked twice and was planted at 150,000 seeds per acre. This test averaged 79 bu/a. The Dawson County test was planted May 16th and harvested October 10th. This test was gravity irrigated and followed corn from 2004. 6 oz of inoculant was used at planting with a 220,000 seeds per acre rate. This test averaged 71 bu/a.

CULTURAL PRACTICES

Dixon: Dryland. Crop history: 2004 corn. No fertilizer. Plot was disked, field cultivated and cultivated. Herbicide: Pursuit 1.44 oz/a, Resource 4 oz/a and Select at 8 oz/a for conventional test. The Roundup Ready test were treated with 32 oz/a of Roundup on June 9th and July 4th. Soil test: Nitrogen in sample 80 lb/a, 7.4 avg ppm, Soil pH 6.2, Buffer pH 6.7, Lime needed 3000 lb/a, O. M. 4.4%, Bray-1 P ppm 56, Potassium ppm 456, Zinc ppm 2.19.

Pierce: Center Pivot Irrigation. 2004 corn. Fertilizer: 20-0-5-5 at pod fill. Herbicide: Roundup sprayed twice at 32 oz/a on June 10th and July 25th. Soil test: Nitrogen in sample 35 lb/a, 3.2 avg ppm, Soil pH 6.4, Lime needed 0 lb/a, O. M. 1.3%, Bray-1 P ppm 44, Potassium ppm 137, Zinc ppm 1.26.

NEBRASKA SOYBEAN PRODUCTION

The following data were obtained from Nebraska Agricultural Statistics. In 1940, 13,000 acres of soybeans also were cut for hay.

Year	Harvested acres (ha) 000	Average yield bushels (kg/ha)	Production bushels (metric tons) 000
1940	4 (2)	14.0 (942)	56 (2)
1950	50 (20)	24.0 (1614)	1,200 (33)
1955	180 (73)	10.5 (706)	1,890 (51)
1960	164 (66)	28.0 (1883)	4,592 (125)
1965	696 (282)	23.5 (1581)	16,356 (446)
1970	812 (329)	22.0 (1480)	17,864 (487)
1971	609 (247)	25.0 (1682)	15,225 (415)
1972	746 (302)	33.0 (2220)	24,618 (671)
1973	1,210 (490)	30.0 (2018)	36,300 (989)
1974	1,190 (482)	24.0 (1614)	28,560 (778)
1975	1,200 (486)	27.0 (1816)	32,400 (883)
1976	980 (397)	20.0 (1345)	19,600 (534)
1977	1,300 (458)	36.0 (2421)	40,680 (1108)
1978	1,250 (506)	34.0 (2287)	42,500 (1158)
1979	1,610 (652)	34.0 (2287)	54,740 (1491)
1980	1,770 (717)	30.0 (2018)	53,100 (1446)
1981	2,070 (838)	38.0 (2566)	78,660 (2143)
1982	2,250 (911)	35.0 (2354)	78,750 (2146)
1983	2,070 (838)	28.5 (1917)	58,995 (1607)
1984	2,550 (1033)	26.0 (1748)	66,300 (1804)
1985	2,360 (956)	36.0 (2421)	84,960 (2312)
1986	2,450 (992)	38.0 (2555)	93,100 (2534)
1987	2,350 (952)	35.5 (2388)	83,425 (2270)
1988	2,300 (932)	30.0 (2018)	69,000 (1877)
1989	2,560 (1078)	32.0 (2153)	81,920 (2229)
1990	2,350 (952)	34.0 (2287)	79,900 (2174)
1991	2,450 (992)	33.0 (2220)	80,850 (2200)
1992	2,460 (996)	42.0 (2825)	103,320 (2811)
1993	2,500 (1012)	36.0 (2421)	90,000 (2449)
1994	2,860 (1157)	47.0 (3161)	134,420 (3658)
1995	3,060 (1238)	33.0 (2220)	100,980 (2748)
1996	3,010 (1219)	45.0 (3026)	135,450 (3691)
1997	3,450 (1397)	40.0 (2690)	138,000 (3760)
1998	3,750 (1519)	44.0 (2959)	165,000 (4496)
1999	4,250 (1721)	42.5 (2859)	180,625 (4922)
2000	4,600 (1863)	37.0 (2489)	170,200 (4638)
2001	4,900 (1985)	45.5 (3060)	222,950 (6075)
2002	4,580 (1855)	38.5 (2590)	176,000 (4752)
2003	4,500 (1822)	40.5 (2724)	182,250 (4957)
2004	4,750 (1924)	46.0 (3094)	218,500 (5943)
2005*	4,650 (1884)	49.0 (3296)	227,850 (6198)

* November estimate.

Harlan: Center Pivot Irrigation. Crop history: Corn 2004, Fertilizer: 30#s of 18-46-0 preplant. Herbicide: 40 oz Roundup Original Max/Acreon on June 9th and 26 oz on July 9th. Soil samples 36 inch depth pH 7.6, Bray-1 P 25 ppm, K 417 ppm, O.M. 1.50%.

Clay: Gravity irrigated. Crop history: Corn in 2004 and soybeans in 2003. Herbicide: .92 qt/a Touchdown on May 10th and 32 oz/a Glystar Plus on June 24th. Soil sample 36 inch depth pH 6.8, Bray-1 P 20 ppm, K 377 ppm, O.M. 2.6%.

Valley: Gravity irrigated Crop history: corn in 2004 and soybeans 2003. Herbicide: Roundup Original on June 26th. Fertilizer: 10gal/a of 10-34-0 at planting. Soil sample 36 inch depth pH 5.1, Buffer pH 6.5, Bray-1 P 43 ppm, K 485 ppm, O.M.% 2.0.

Jefferson: Dryland. Crop history: 2004 corn. No fertilizer applied. Herbicide: Roundup. Tillage program: no-till.

Saunders: Irrigated. Crop History: 2004 seed corn. Herbicide: Bucaneer Plus 1 qt/a applied twice. Tillage program: no-till. Soil test: Nitrogen in sample 83 lb/a, 7.7 avg ppm, Soil pH 6.0, Buffer pH 6.7, Lime needed 3000 lb/a, O. M. 2.5%, Bray-1 P ppm 23, Potassium ppm 438.

Furnas: Pivot irrigated. No till into corn stalks. Crop history: 2004 corn. Fertilizer: none. Herbicide: Post emergence: Two applications of Glyphosate. Soil test: Water pH 7.34, O.M. 1.76%.

Dawson: Gravity irrigated. Crop history: 2004 corn, Fertilizer: none. Herbicide: Post emergence: 1 qt Glyphos twice. Soil test: Water pH 7.54, O.M. 1.68%.

Sarpy SCN: Dryland. Crop history - 2004 Soybeans. Herbicide: Roundup Ultra. Tillage program: conventional. Soil test: Nitrogen in sample 31 lb/a, 2.8 avg ppm, Soil pH 6.4, Lime needed 0 lb/a, O. M. 0.6%, Bray-1 P ppm 55, Potassium ppm 101.

Table A. Locations. Nebraska Soybean Performance Tests. 2005.

Location/Cooperator	Soil Type/Herbicide	Condition	Test	Planted	Harvested	Average yield bu/A
Northeast District						
Dixon County	Colo silty clay loam	Dryland	Conv	May 27	Sept. 30	51
NEREC	Pursuit, Resource, Select, Flexstart	Dryland	RR (Early)	May 27	Sept. 30	51
Concord	Roundup	Dryland	RR (Late)	May 27	Sept. 30	52
Pierce County	Thurman sandy loam	Irrigated	RR (Early)	May 24	Oct. 3	43
Joel Carpenter, Plainview	Roundup	Irrigated	RR (Late)	May 24	Oct. 3	43
East/South Central District						
Saunders County	Sharpsburg silty clay loam	Irrigated	RR (Early)	May 20	Oct. 10	63
Doug Bartek, Wahoo	Bucaneer	Irrigated	RR (Late)	May 20	Oct. 11	64
Sarpy County	Sandy loam	Dryland	Cyst	May 20	Oct. 11	29
Brian Vencil, Waterloo	Roundup Ultra		Nematode			
Harlan County	McCook loam	Irrigated	RR (Early)	May 19	Oct. 17	73
Bose Farm Corp. Orleans	Roundup Original Max	Irrigated	RR (Late)	May 19	Oct. 18	77
Furnas County	Bridgeport silt loam	Irrigated	RR (Early)	May 17	Oct. 4	77
J. F. Hoffman, Arapahoe	Glyphosate	Irrigated	RR (Late)	May 17	Oct. 4	74
Southeast District						
Jefferson County	Crete silt loam	Dryland	RR (Early)	May 19	Oct. 4	61
Glen Ebberts, Plymouth	Roundup	Dryland	RR (Late)	May 19	Oct. 4	61
Clay County	Hastings silt loam	Irrigated	RR (Early)	May 18	Oct. 3	74
SCAL, Clay Center	GlyStar Plus, Touchdown	Irrigated	RR (Late)	May 18	Oct. 4	75
Central Irrigated District						
Dawson County	Cozad silt loam	Irrigated	RR	May 16	Oct. 10	71
Kurt Kline, Lexington	Glyphos					
Valley County	Hord silt loam	Irrigated	RR	May 26	Oct. 31	79
Jeff Waltman, North Loup	Roundup Original					

Table B. Entries. Nebraska Soybean Performance Tests - 2005

BRAND	ENTRIES
DYNA-GRO	32C25, SX05725, SX05426, 31N27, 38K28, 37B28, 31T31, 37K32, SX05531, SX05935, 33A37, 35P29, 33X19, SX05317
FARM ADVANTAGE	7205, 7264, 7284N, 7295N
FOUR STAR	2261RR, 2282RR, 2314RR
GARST	2018RR, 2560RR, 2834RR, 2903RR, 3065RR/STS, 2721RR/N, 3212RR/N, 3236RR/N, 3448RR/N
KRUGER	K-200RR, K-212RR, K-211+RR, K-223+RR, K-233+RR, K-266RR/SCN, K-255RR, K-277+RR/SCN, K-273RR, K-270RR, K-287RR/SCN, K-289+RR, K-292RR/SCN, K-311RR/SCN, K-328RR, K-333RR/SCN, K-349RR, K-355RR/SCN, K-361RR/SCN, K-373RR/SCN, K-389RR/SCN, K-399RR/SCN, K-404RR
LATHAM	L2450R, E2635R, E2646R, E2811RX, L2900R, 967RR, E2922RX, E3157R, E3185R, E3454R, E3478R, 940, E3160
LG SEEDS	C3031RR, C3240RR
MERSCHMAN	Shawnee 527RR, Cherokee 628RR, Jefferson 630RR, Grant IIIR, Truman 636RR, Kennedy 538RR, Washington IXRR
MIDLAND	276RR, 296NRR, 333RS, 346NRR, 366NRS, 374NRR
NUPRIDE	8234RR, 8255RR, 8270RR, 8285RR, 8294RR, 8295RR, 8304RR, 8354RR, 8365RR
OHLDE	O-3334, O-3494, O-3727, O-3882
PRAIRIE BRAND	PB-2565RR, PB-2643RR, PB-3123RR, PB-3305RR, PB-3585NRR, PB-3785NRR, PB-3894NRR, PB-3905RR, R2306RR, R2446RR, R2626RR, R2645RR, R2724RR, R2914RR, R3115RR, R3386RRcn, R3686RRcn, R3726RR
RENZE	SOI 2448RR, SOI 2673RR, SOI 2754RR, SOI 2872RR, SOI 2884RR, SOI 3163RR, SOI 3432RR, SOI 3561RR
SANDS	S2402-4, S2688-4, S3012-4, S3532-4, S3600-4, S3832-4
STINE	353RR
TAYLOR	3144RR(CN), 3530RR(CN), 2933RR, 2952RR(CN), 3550RR(CN), 3450RR(CN), 2752RR, 3343RR(CN)
TRISOY	RR 2335N, RR 2355N, RR 2385NSTS, RR 2386, RR 2386NX2
WILLCROSS	

Table C. Entrants. Nebraska Soybean Performance Tests. 2005

Brand	Entrant	Address
Asgrow	Monsanto	3100 Sycamore Rd, Dekalb, IL 60115
Dekalb	Monsanto	3100 Sycamore Rd, Dekalb, IL 60115
Dyna Gro	Dyna Gro	104 Harrison, Emmetsburg, IA 50536
Farm Advantage	Farm Advantage	1275 Hwy 69, Belmond, IA 50421
Four Star Seed Company	Four Star Seed Company	PO Box 88, Parkersburg, IA 50665
Garst Seed	Garst Seed Company	2369 330th St, Slater, IA 50244
Kruger	Kruger Seed Company	P.O. Box A, Dike, IA 50624
Latham	Latham Seed Company	131 180th St., Alexander, IA 50420-8028
LG Seeds	LG Seeds	22827 Shissler Rd, Elmwood, IL
Merschman	Merschman Seeds, Inc.	103 Ave. D, West Point, IA 52656
Midland	Midland/Phillips Seed Farms	980 Hwy 15, Hope, KS 67451
NuPride	NuPride Genetics Network	P.O. Box 830911, Lincoln, NE 68583-0911
Ohlde	Ohlde Seed Farms	1577 4th Rd, Palmer KS 66962
Prairie Brand	Prairie Brand Seed Company	15 X Avenue, Story City, IA 50248
Renze	Renze Hybrids Inc.	27410 Kittyhawk Ave., Carroll, IA 51401
Sands	Sand Seed Service, Inc.	4765 Hwy 143, Marcus, IA 51035
Stine	Stine Seed Company	2225 Laredo Trail, Adel, IA 50003
Taylor	Taylor Seed Farms	2467 Hwy 7, White Cloud, KS 66094
Trisler	Trisler Seed Farms, Inc	3274 E 800 North Rd, Fairmount, IL 61841
Willcross Seeds	Willcross Seed/King City Seed	4564 HWY 169, King City, MO 64463

Table D. Soybean performance over three years. 2003 - 2005

Test	Year	Yield bu/A	Mature date	Lodging score	Height inches	Seeds /pound	Bushel weight	Protein %	Oil %	EPVA \$/A
Northeast										
Conventional	2003	----	----	----	----	----	----	----	----	----
	2004	45.3	9-26	----	32	3350	----	39.8	20.6	315
	2005	48.8	9-21	----	32	3370	----	39.6	19.1	323
RR (earlies)	2003	51.6	9-20	0.3	26	3340	----	39.9	20.4	346
	2004	52.7	9-19	0.6	29	3487	----	41.9	20.0	368
	2005	48.3	9-15	----	28	3753	----	40.4	18.9	322
RR (lates)	2003	52.1	9-26	1.1	33	3378	----	39.3	19.8	339
	2004	52.3	9-24	1.1	32	3298	----	41.1	19.2	356
	2005	47.5	9-19	----	31	3544	----	40.9	18.5	318
Central										
Conventional/RR	2003	75.0	----	1.9	37	2910	54.5	38.4	20.2	483
	2004	71.6	----	1.7	35	2861	54.8	39.9	19.9	481
	2005	75.0	----	1.7	37	2904	54.8	38.9	19.4	493
East/South Central										
RR (earlies)	2003	63.0	9-22	1.9	37	2994	54.9	39.2	20.1	410
	2004	61.3	9-22	2.0	36	2860	54.2	40.5	20.2	417
	2005	70.8	9-19	1.9	34	2906	54.1	39.3	19.7	471
RR (lates)	2003	63.7	10-1	2.1	42	2825	55.5	39.6	19.4	413
	2004	60.7	9-28	2.1	38	2872	54.5	40.4	19.4	408
	2005	71.5	9-29	2.3	38	2893	54.2	40.0	19.1	476
Cyst Nematode	2003	----	----	----	----	----	----	----	----	----
	2004	37.3	9-26	----	28	2858	53.2	43.0	20.4	267
	2005	29.0	9-25	----	27	3482	50.9	42.1	18.7	196
Southeast										
RR (earlies)	2003	57.4	9-18	1.6	35	3280	55.7	38.6	20.3	374
	2004	61.1	9-19	1.5	36	2949	55.4	40.4	19.9	413
	2005	67.4	9-18	1.7	34	2920	54.7	39.9	19.3	449
RR (lates)	2003	56.1	9-23	1.4	36	3180	55.4	39.4	20.2	370
	2004	60.0	9-22	1.5	35	3024	54.8	40.8	19.7	407
	2005	68.2	9-22	1.7	35	2953	54.6	39.5	19.2	451

Soybean Variety Characteristics 2005

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4	Chlorosis rating
ASGROW	AG2403	P	T	Tn	Bl	2.4	I	R	R	4.50
ASGROW	AG2703	-	-	-	-	-	I	-	-	4.25
ASGROW	AG3302	-	-	-	-	-	I	-	-	5.00
ASGROW	AG3602	-	-	-	-	-	I	-	-	6.00
DEKALB Genetics	DKB25-51	-	-	-	-	-	I	-	-	.25
DEKALB Genetics	DKB38-52	-	-	-	-	-	I	-	-	5.00
DYNA-GRO	31N27	W	T	Tn	Bl	2.7	I	R	R	4.75
DYNA-GRO	31T31	P	G	Tn	lb	3.1	I	R	S	5.75
DYNA-GRO	32C25	W	T	Br	Br	2.5	I	S	S	4.25
DYNA-GRO	33A37	P	G	Tn	lb	3.7	I	R	S	4.50
DYNA-GRO	33X19	P	T	Tn	lb	1.9	I	R	R	4.25
DYNA-GRO	35D33	P	T	Tn	Bl	3.1	I	R	S	5.50
DYNA-GRO	35P29	P	T	Br	Br	2.9	I	-	-	4.50
DYNA-GRO	37B28	P	T	Br	Bl	2.8	I	R	S	5.75
DYNA-GRO	37K32	P	T	Br	Bl	3.2	I	R	S	5.00
DYNA-GRO	38K28	P	G	Br	lb	2.8	I	S	S	4.50
DYNA-GRO	SX05317	P	T	Tn	Br	1.7	I	R	R	3.50
DYNA-GRO	SX05426	P	G	Tn	lb	2.6	I	-	-	5.50
DYNA-GRO	SX05725	P	T	Tn	Br	2.5	I	S	S	5.75
DYNA-GRO	SX05935	P	G	Tn	lb	3.5	I	-	-	5.00
FARM ADVANTAGE	7205	P	T	Tn	Br	2.0	I	R	S	4.00
FARM ADVANTAGE	7264	W	T	Tn	Bl	2.6	I	R	R	4.50
FARM ADVANTAGE	7285N	P	T	Br	Bl	2.8	I	S	S	6.25
FARM ADVANTAGE	7295N	P	T	Tn	Bl	2.9	I	R	S	5.25
FOUR STAR	2261RR	P	T	Tn	lb	2.6	I	R	S	4.75
FOUR STAR	2282RR	P	G	Br	Bl	2.8	I	S	S	4.50
FOUR STAR	2314RR	P	G	Tn	lb	3.1	I	R	R	6.25
GARST	2018RR	W	T	Tn	Br	2.0	I	R	R	4.50
GARST	2560RR	P	G	Tn	lb	2.5	I	R	S	3.75
GARST	2721RR/N	W	T	Tn	Bl	2.7	I	R	S	3.50
GARST	2834RR	P	G	Tn	lb	2.8	I	R	R	3.50
GARST	2903RR	P	T	Br	Bl	2.9	I	R	R	6.50
GARST	3065RR/STS	W	T	Br	Bl	2.9	I	S	S	4.75
GARST	3212RR/N	P	T	Tn	Bl	3.1	I	R	R	5.25
GARST	3236RR/N	W	G	Br	Bf	3.2	I	S	S	6.25
GARST	3448RR/N	P	G	Tn	lb	3.3	I	R	S	5.50
KRUGER	K-200 RR	P	T	Tn	Br	2.0	I	R	S	4.50
KRUGER	K-211+ RR	W	T	Tn	Y	2.2	I	-	-	4.50
KRUGER	K-212 RR	W	T	-	Bl	2.1	I	-	-	5.00
KRUGER	K-223+ RR	W	T	Tn	Br	2.2	I	R	R	4.50
KRUGER	K-233+ RR	W/P	T	Br	Bl	2.3	I	-	-	5.50
KRUGER	K-255RR	P	T	Tn	Br	2.5	I	S	S	5.75
KRUGER	K-266 RR/SCN	W/P	G	Br	lb	2.6	I	S	S	5.00
KRUGER	K-270 RR	P	G	Br	lb	2.7	I	R	S	4.25
KRUGER	K-273 RR	P	G	Tn	lb	2.7	I	R	S	4.25
KRUGER	K-277+ RR/SCN	W	T	Tn	Bl	2.7	I	S	S	5.75
KRUGER	K-287 RR/SCN	W	T	Tn	Bl	2.8	I	R	S	4.50

Soybean Variety Characteristics 2005

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4	Chlorosis rating
KRUGER	K-289+ RR	W	T	Tn	Bl	2.8	I	R	R	4.75
KRUGER	K-292 RR/SCN	P	T	Br	Bl	2.9	I	S	S	5.75
KRUGER	K-311 RR/SCN	P	T	Tn	Bl	3.1	I	R	S	6.00
KRUGER	K-328 RR	P	T	Br	Bl	3.2	I	R	S	4.50
KRUGER	K-333 RR/SCN	W	T	Tn	Bl	3.3	I	R	R	5.25
KRUGER	K-349 RR	P	G	Tn	lb	3.4	I	R	S	5.00
KRUGER	K-355 RR/SCN	W	T	Tn	Bl	3.5	I	R	R	4.75
KRUGER	K-361 RR/SCN	P	G	Tn	lb	3.4	I	R	R	6.25
KRUGER	K-373RR/SCN	W	T	Tn	Bl	3.7	I	R	R	4.50
KRUGER	K-389 RR/SCN	W	T	Tn	Bl	3.8	I	R	S	6.50
KRUGER	K-399 RR/SCN	P	G	Br	lb	3.9	I	S	S	6.50
KRUGER	K-404 RR	P	T	Tn	Bl	4.0	I	R	R	5.00
LATHAM	940	P	G	Br	lb	3.0	I	S	S	6.00
LATHAM	967RR	P	G	Br	lb	2.9	I	R	S	5.25
LATHAM	E2635R	P	G	Tn	lb	2.6	I	R	S	4.00
LATHAM	E2646R	W/P	T	Br	Bl	2.6	I	R	R	5.00
LATHAM	E2811RX	P	T	Tn	Bl	2.8	I	S	S	5.25
LATHAM	E2922RX	P	T	Tn	Bl	2.9	I	S	S	5.25
LATHAM	E3157R	P	T	Br	Bl	3.1	I	R	S	4.25

Continued on page 42

LATHAM	E3160	P	T	Br	Br	3.1	I	S	S	6.25
LATHAM	E3185R	P	T	Tn	Bl	3.1	I	R	S	7.00
LATHAM	E3454R	P	T	Tn	Bl	3.4	I	R	R	5.75
LATHAM	E3478R	P	G	Tn	lb	3.4	I	R	R	6.50
LATHAM	L2450R	P	G	Br	lb	2.4	I	R	R	5.75
LATHAM	L2900R	W	G/T	Tn	Bl/Br	2.9	I	S	S	5.00
LG SEEDS	C3031RR	P	T	Br	Bl	III	I	R	S	4.25
LG SEEDS	C3240RR	P	G	Tn	Bl	III	I	R	S	5.00
MERSHMAN	CHEROKEE 628RR	W	T	Tn	Bl	2.7	I	R	R	4.50
MERSHMAN	GRANT III RR	W	T	Tn	Bl	3.3	I	R	R	4.50
MERSHMAN	JEFFERSON 630RR	P	T	Br	Bl	3.0	I	S	S	4.25
MERSHMAN	KENNEDY 538RR	P	T	Br	Br	3.8	I	S	S	4.75
MERSHMAN	SHAWNEE 527RR	W	T	Tn	Bl	2.7	I	S	S	5.25
MERSHMAN	TRUMAN 636RR	P	T	Br	Bl	3.6	I	S	S	4.75
MERSHMAN	WASHINGTON IXRR	P	T	Tn	Bl	3.9	I	R	R	5.00
MIDLAND	276RR	W	T	Tn	Bl	2.7	I	R	-	4.00
MIDLAND	296NRR	P	T	Br	Bl	2.9	I	R	-	5.50
MIDLAND	333RS	P	G	Br	lb	3.3	I	R	-	5.75
MIDLAND	346NRR	P	G	Br	lb	3.4	I	R	-	6.00
MIDLAND	366NRR	P	G	Br	lb	3.6	I	R	-	6.75
MIDLAND	374NRR	P	G	Tn	G	3.7	I	R	-	6.00
NUPRIDE	8234RR	W/P	T	Tn	Bl	2.3	I	S	S	6.25
NUPRIDE	8255RR	W	T	Br	Bl	2.5	I	R	S	4.00
NUPRIDE	8270RR	W/P	T	Br	Bl	2.7	I	S	S	4.75
NUPRIDE	8285RR	P	T	Br	Bl	2.8	I	S	S	7.00
NUPRIDE	8294RR	P	G	Br	lb	2.9	I	S	S	4.00
NUPRIDE	8295RR	W	T	Br	Bl	2.9	I	R	S	5.00
NUPRIDE	8304RR	P	T	Br	Bl	3.0	I	R	S	4.25
NUPRIDE	8354RR	P	T	Tn	Bl	3.5	I	R	S	4.00
NUPRIDE	8365RR	P	T	Tn	Bl	3.6	I	R	S	5.25
OHLDE	O-3334	P	G	Tn	lb	3.3	I	R	-	4.75

Soybean Variety Characteristics 2005

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4	Chlorosis rating
OHLDE	O-3494	P	G	Br	Bl	3.4	I	R	-	4.50
OHLDE	O-3727	W	G	-	Bf	3.7	I	S	-	5.25
OHLDE	O-3882	P	T	Tn	Bl	3.8	I	R	-	5.00
PIONEER	93B36 ##	-	-	-	-	-	-	-	-	3.75
PIONEER	93M11 ##	-	-	-	-	-	-	-	-	5.00
PIONEER	93M50 ##	-	-	-	-	-	-	-	-	3.75
PIONEER	93M80 ##	-	-	-	-	-	-	-	-	4.00
PIONEER	93M92 ##	-	-	-	-	-	-	-	-	4.50
PRAIRIE BRAND	PB-2565RR	P	G	-	lb	2.5	I	R	S	4.50
PRAIRIE BRAND	PB-2643RR	W	T	-	Bl	2.7	I	R	R	4.75
PRAIRIE BRAND	PB-3123RR	P	T	-	Bl	3.1	I	R	S	5.25
PRAIRIE BRAND	PB-3305RR	P	G	-	lb	3.3	I	R	R	6.25
PRAIRIE BRAND	PB-3585NRR	P	G	-	lb	3.5	I	R	R	4.50
PRAIRIE BRAND	PB-3785NRR	P	G	-	lb	3.7	I	R	S	5.00
PRAIRIE BRAND	PB-3894NRR	W	G	-	Bf	3.8	I	R	S	6.25
PRAIRIE BRAND	PB-3905RR	P	T	-	Bl	3.9	I	S	S	5.00
RENZE	R2306RR	P	G	Br	Bf	2.3	I	R	S	5.00
RENZE	R2446RR	P	T	Br	Bl	2.4	I	R	R	4.50
RENZE	R2626RR	W/P	T	Br	Bl	2.6	I	R	R	5.25
RENZE	R2645RR	P	G	Tn	lb	2.6	I	R	S	4.75
RENZE	R2724RR	W	T	Tn	Bl	2.7	I	R	R	5.25
RENZE	R2914RR	W	T	Tn	Bl	2.9	I	R	R	5.75
RENZE	R3115RR	P	T	Br	Bl	3.1	I	R	S	5.25
RENZE	R3386RRCN	P	G	Br	lb	3.3	I	R	R	4.25
RENZE	R3686RRCN	P	G	Br	lb	3.6	I	R	R	6.00
RENZE	R3726RR	P	T	Br	Bl	3.7	I	S	S	5.75
SANDS	SOI 2448RR	W	G	Tn	Bf	II	I	R	R	5.00
SANDS	SOI 2673RR	P	T	Tn	Bl	II	I	R	S	5.75
SANDS	SOI 2754RR	W	T	Tn	Bl	II	I	R	R	4.25
SANDS	SOI 2872RR	P	G	Br	lb	II	I	R	S	4.25
SANDS	SOI 2884RR	P	G	Br	lb	II	I	R	R	4.00
SANDS	SOI 3163RR	P	T	Br	Bl	III	I	R	S	5.25
SANDS	SOI 3432RR	P	T	Tn	Bl	III	I	R	R	5.50
SANDS	SOI 3561RR	P	T	Tn	Bl	III	I	R	R	4.00
STINE	S2402-4	P	T	Br	Bl	2.3	I	S	S	5.25
STINE	S2688-4	P	T	Tn	Br	2.6	I	S	S	7.25
STINE	S3012-4	P	T	Br	Bl	2.9	I	S	S	5.75
STINE	S3532-4	W	T	Tn	Bl	3.4	I	R	R	5.25
STINE	S3600-4	P	T	Br	Bl	3.7	I	S	S	5.75

STINE	S3832-4	P	T	Tn	Bl	3.8	I	R	R	5.25
TAYLOR	353RR	P	-	Br	Bl	3.6	I	S	S	7.00
TRISOY	2752RR	W	T	Br	Bl	2.7	I	R	-	5.75
TRISOY	2933RR	W	T	Br	Bl	2.9	I	R	-	6.25
TRISOY	2952RR(CN)	P	T	Br	Bl	2.9	I	S	-	3.75
TRISOY	3144RR(CN)	P	G	Tn	lb	3.1	I	R	-	5.75
TRISOY	3343RR(CN)	W	T	Br	lb	3.3	I	R	-	4.50
TRISOY	3450RR(CN)	P	G	Tn	lb	3.4	I	S	-	6.25
TRISOY	3530RR(CN)	P	G	Tn	lb	3.5	I	S	-	4.25
TRISOY	3550RR(CN)	P	G	Tn	lb	3.5	I	R	-	5.25
WILLCROSS	RR2335N	P	-	Tn	lb	3.3	SD	R	R	6.25
WILLCROSS	RR2355N	P	G	Br	lb	3.5	SD	R	-	6.50
WILLCROSS	RR2385NSTS	W	G	Br	Bf	3.8	I	R	-	5.25
WILLCROSS	RR2386	P	T	Br	Bl	3.8	SD	-	-	6.00
WILLCROSS	RR2386NX2	P	T	Br	Bl	3.8	SD	-	-	4.50

- DATA NOT SUBMITTED

1 Flower color: W = white, P = purple

2 Pod color: Tn = Tan, Br = Brown

3 Hilum color: Bf = Buff, Bl = Black, Br = Brown, G = Gray, lb = Imperfect black, Y = Yellow or clear

4 Growth habit: I = indeterminate, SD = semideterminate, D = determinate

5 Phytophthora rating: R = resistant, S = susceptible,

6 Iron Chlorosis scores: 1 = no chlorosis, 9 = severe chlorosis and death

Average 5.11
LSD .05 1.64

Northeast Conventional Soybean Variety Test Dixon County - 2005

Brand	Variety	YIELD AVERAGE BU/A	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	MATURITY DAY
LATHAM	940	51.5	31	3350	39.3	19.1	339.39	9	20.0
LATHAM	E3160	46.1	33	3390	39.8	19.2	306.1	9	21.0
Average all entries		48.8	32	3370	39.6	19.1	322.745	9	20.5
Difference req. for sig. 5%		N.S.	2	N.S.	0.2	N.S.	N.S.		1.8

Northeast Early Maturing Roundup Ready Soybean Variety Test Dixon and Pierce Counties - 2005

Brand	Variety	YIELD Average BU/A	Dixon BU/A	Pierce BU/A	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	MATURITY DAY
KRUGER	K-211+ RR	52.0	57.4	46.6	26	3950	40.5	18.6	344.76	9	16
KRUGER	K-200 RR	51.8	54.2	49.3	31	3890	40.4	18.6	344.73	9	14
SANDS	SOI 2448RR	50.0	55.9	44.1	27	3620	39.8	19.0	331.75	9	17
KRUGER	K-223+ RR	49.1	55.0	43.2	25	3430	40.1	19.1	327.99	9	16
GARST	2018RR	49.1	52.7	45.5	29	3800	40.3	18.9	327.25	9	16
STINE	2402-4	49.0	54.8	43.1	32	3920	41.0	18.5	328.55	9	16
KRUGER	K-233+ RR	48.3	56.4	40.2	27	3890	40.8	18.7	323.85	9	15
RENZE	R2306RR	48.1	55.7	40.5	29	3720	40.8	18.6	322.03	9	13
FARM ADVANTAGE	7205	47.9	52.2	43.6	30	3820	40.7	18.8	320.45	9	13
NUPRIDE	8234RR	47.6	53.0	42.1	30	3900	40.1	18.9	316.54	9	15
KRUGER	K-212 RR	47.0	52.6	41.4	28	3610	39.9	19.2	312.79	9	13
SANDS	SOI 2673RR	46.9	52.5	41.3	32	3630	40.4	19.0	313.76	9	17
RENZE	R2446RR	46.7	53.0	40.3	28	3750	40.5	19.1	313.82	9	14
LATHAM	L2450R	42.8	51.3	34.3	27	3640	40.2	19.2	285.69	9	16
Average all entries		48.3	54.1	42.5	29	3755	40.4	18.9	322.43	9	15
Difference req. for sig. 5%		4.6	4.0	4.7	2	252	0.7	N.S.	30.72		2

Northeast Early Maturing Roundup Ready Soybean Variety Tests 2003 - 2005

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO DAY	
Two Year Average										
KRUGER	K-211+ RR	56.7	0.3	27	3440	41.7	20.1	395	9	19
KRUGER	K-223+ RR	54.0	0.6	26	3220	41.5	20.3	377	9	19
KRUGER	K-200 RR	53.6	0.5	32	3590	41.7	19.9	373	9	18
KRUGER	K-233+ RR	53.5	0.8	28	3470	42.5	19.8	377	9	19
NUPRIDE	8234RR	53.5	0.3	32	3520	42.0	20.0	375	9	19
GARST	2018RR	50.2	0.3	29	3550	41.6	20.2	349	9	18
LATHAM	L2450R	47.5	1.2	28	3620	42.4	19.7	333	9	22
Average all entries		52.7	0.6	29	3487	41.9	20.0	368	9	230
Difference req. for sig. 5%		N.S.	N.S.	4	N.S.	N.S.	N.S.	N.S.		N.S.
Three Year Average										
KRUGER	K-211+ RR	52.9	0.3	26	3440	40.0	20.2	354	9	20
KRUGER	K-223+ RR	50.3	0.3	25	3240	39.7	20.5	337	9	20
Average all entries		51.6	0.3	25.5	3340	39.85	20.35	345.5	9	20
Difference req. for sig. 5%		0.6	N.S.	0	N.S.	0.2	N.S.	6		N.S.

Northeast Late Maturing Roundup Ready Soybean Variety Test Dixon and Pierce Counties - 2005

Brand	Variety	YIELD Average BU/A	Dixon BU/A	Pierce BU/A	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO DAY	
RENZE	R2724RR	50.6	56.1	45.1	30	3640	40.7	18.5	337.25	9	21
DYNA-GRO	31N27	50.5	53.7	47.2	31	3610	40.1	18.8	334.56	9	21
KRUGER	K-255RR	50.2	53.6	46.8	29	3620	40.9	18.6	336.09	9	19
RENZE	R2626RR	50.1	53.9	46.3	29	3640	40.9	18.8	336.42	9	19
SANDS	SOI 2754RR	49.7	55.4	44.0	30	3600	40.4	18.7	331.00	9	21
FARM ADVANTAGE	7264	49.6	53.7	45.4	30	3450	40.4	19.0	331.33	9	21
LATHAM	E2646R	49.3	51.0	47.5	28	3550	40.7	18.6	328.34	9	19
NUPRIDE	8270RR	48.8	51.7	45.8	30	3600	40.4	18.6	324.28	9	19
NUPRIDE	8255RR	48.8	52.7	44.8	29	3720	41.1	18.4	326.72	9	18
KRUGER	K-289+ RR	48.6	55.2	42.0	31	3460	39.9	19.2	323.68	9	21
LATHAM	967RR	48.6	54.5	42.7	34	3730	40.8	18.6	323.92	9	19
KRUGER	K-270 RR	47.5	51.5	43.5	33	3780	41.0	18.4	317.54	9	20
SANDS	SOI 2884RR	47.4	51.3	43.5	32	3450	41.1	18.4	317.34	9	19
LATHAM	E2635R	47.4	53.2	41.6	32	3300	41.3	18.2	317.11	9	18
DYNA-GRO	SX05426	47.3	52.6	42.0	32	3250	41.3	18.4	317.62	9	18
KRUGER	K-273 RR	47.2	52.4	41.9	32	3400	41.8	18.3	318.36	9	18
GARST	2560RR	47.0	49.9	44.1	33	3310	41.4	18.4	315.37	9	19
LATHAM	E3157R	46.6	54.9	38.2	35	3540	40.7	18.4	310.12	9	22
LATHAM	L2900R	46.6	48.8	44.3	27	3650	41.2	18.6	313.15	9	20
DYNA-GRO	SX05725	46.6	50.3	42.9	28	3510	41.1	18.9	315.02	9	19
KRUGER	K-266 RR/SCN	46.5	48.3	44.6	28	3560	41.0	18.4	310.85	9	18
STINE	2688-4	46.5	50.2	42.8	28	3580	41.7	18.6	315.50	9	18
SANDS	SOI 2673RR	46.4	52.5	40.3	31	3600	40.9	18.6	311.58	9	19
SANDS	SOI 2872RR	46.1	51.4	40.8	34	3700	40.4	18.9	308.18	9	20
RENZE	R2645RR	45.9	50.9	40.9	32	3220	41.4	18.5	309.60	9	18
DYNA-GRO	32C25	45.9	49.2	42.5	27	3520	41.2	18.3	307.07	9	19
GARST	3065RR/STS	45.7	49.8	41.6	32	3610	41.0	18.7	306.65	9	22
RENZE	R3115RR	43.5	51.2	35.8	35	3560	41.4	18.1	291.67	9	21
SANDS	SOI 3163RR	43.4	49.4	37.3	34	3670	41.1	17.9	288.39	9	21
Average all entries		47.5	52.0	43.0	31	3546	40.9	18.5	318.09	9	20
Difference req. for sig. 5%		N.S.	4.9	5.7	3	314	1.0	N.S.	N.S.		2

Northeast Late Maturing Roundup Ready Soybean Variety Tests 2003 - 2005

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	DAY
Two Year Average										
SANDS	SOI 2754RR	54.9	0.9	31	3350	40.8	19.3	372	9	25
KRUGER	K-289+ RR	53.9	1.0	32	3220	40.6	19.5	365	9	25
RENZE	R2724RR	53.7	0.8	31	3330	41.0	19.3	364	9	25
DYNA-GRO	31N27	53.2	1.1	31	3310	40.5	19.5	359	9	25
LATHAM	E2646R	52.9	1.2	30	3290	41.0	19.2	359	9	24
LATHAM	967RR	52.5	2.0	34	3460	41.1	19.4	357	9	24
KRUGER	K-270 RR	51.9	1.5	34	3540	41.3	19.2	354	9	24
SANDS	SOI 2872RR	51.4	1.1	34	3470	41.0	19.3	350	9	25
LATHAM	E2635R	51.2	0.6	33	3060	41.7	19.0	349	9	23
RENZE	R2645RR	51.0	0.6	33	3020	41.8	19.2	350	9	23
LATHAM	E3157R	50.8	0.8	36	3190	41.1	19.1	345	9	26
DYNA-GRO	32C25	50.2	1.1	29	3340	41.7	18.8	342	9	23
Average all entries		52.3	1.1	32	3298	41.1	19.2	356	9	24
Difference req. for sig. 5%		8	N.S.	6	430	1.1	N.S.	52		2
Three Year Average										
KRUGER	K-289+ RR	52.8	0.9	31	3210	39.3	19.8	345	9	26
LATHAM	967RR	52.5	1.5	35	3480	39.4	19.7	341	9	25
RENZE	R2724RR	52.0	1.0	31	3360	39.3	19.7	339	9	27
SANDS	SOI 2872RR	50.9	0.9	34	3460	39.2	19.8	331	9	26
Average all entries		52.1	1.1	33	3378	39.3	19.8	339	9	26
Difference req. for sig. 5%		N.S.	N.S.	3	181	N.S.	N.S.	N.S.		2

East Central Early Maturing Roundup Ready Soybean Variety Test Saunders, Harlan and Furnas Counties - 2005

Brand	Variety	YIELD Average BU/A	Saunders BU/A	Harlan BU/A	Furnas BU/A	BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	DAY
NORTHROP KING	S30-D4	76.9	69.4	80.4	80.8	54.5	1.8	37	3100	39.2	19.5	508.31	9	22
LG SEEDS	C3031RR	76.2	66.0	81.3	81.2	54.7	2.3	40	2760	38.7	19.5	499.87	9	22
SANDS	SOI 3163RR	75.5	68.7	77.6	80.2	54.4	2.5	40	2780	38.8	19.5	495.78	9	23
PIONEER	93M11 ##	73.7	65.9	76.1	79.0	54.5	1.7	35	3090	39.0	20.7	496.49	9	20
NUPRIDE	8295RR	73.4	65.6	75.6	79.1	54.8	2.8	37	3110	39.3	19.8	488.60	9	22
RENZE	R2914RR	73.2	66.4	77.3	76.0	53.5	1.8	30	2780	39.4	19.4	485.32	9	22
SANDS	SOI 2884RR	73.0	66.5	75.6	76.8	53.7	2.2	36	2680	39.7	19.6	487.64	9	21
TRISOY	2933RR	72.8	63.6	77.6	77.1	53.5	2.2	30	2780	39.9	19.3	485.58	9	21
MERSHMAN	JEFFERSON 630RR	72.3	63.9	74.0	79.1	53.9	1.9	36	3060	39.5	19.8	483.21	9	19
TRISOY	2952RR(CN)	71.8	61.6	76.3	77.5	53.8	2.3	35	3100	40.0	19.6	482.02	9	20
PRAIRIE BRAND	PB-2565RR	71.7	61.0	73.8	80.3	54.7	1.7	36	2530	39.5	19.5	475.85	9	17
STINE	3012-4	71.5	62.2	76.4	76.0	53.9	2.4	35	3050	39.8	19.7	479.77	9	19
DEKALB Genetics	DKB25-51 ##	71.5	66.2	71.2	77.2	53.5	1.6	30	2890	38.6	20.0	472.14	9	22
MIDLAND	296NRR	71.3	59.5	75.0	79.3	53.6	2.5	35	3050	39.7	19.6	476.28	9	19
DYNA-GRO	38K28	71.3	63.1	74.9	75.8	54.0	2.5	38	2960	38.9	19.9	472.24	9	18
NUPRIDE	8294RR	71.0	64.4	72.5	76.2	53.8	2.3	38	2910	39.4	19.7	472.86	9	19
SANDS	SOI 2872RR	70.9	59.1	73.4	80.3	54.0	2.3	38	2950	39.2	19.8	471.96	9	18
GARST	3065RR/STS	70.9	60.1	73.8	78.9	54.3	2.2	35	2820	39.6	20.1	477.39	9	20
RENZE	R2645RR	70.8	60.7	73.8	78.0	54.5	2.2	35	2650	39.8	19.4	472.00	9	15
DYNA-GRO	37B28	70.5	64.0	73.7	73.7	53.5	2.6	35	2840	38.7	20.0	466.95	9	19
RENZE	R2626RR	70.2	62.8	72.7	75.2	54.5	1.7	32	2980	38.7	19.7	462.85	9	17
MERSHMAN	CHEROKEE 628RR	69.8	64.2	69.5	75.8	54.7	1.6	33	2930	38.9	19.8	460.91	9	22
RENZE	R2724RR	69.6	61.9	71.5	75.4	54.8	1.4	32	2940	39.5	19.5	461.91	9	20
DYNA-GRO	31N27	69.6	61.4	69.3	78.0	54.5	1.9	32	3020	38.8	19.8	460.29	9	20
DYNA-GRO	35P29	69.4	59.6	72.1	76.6	53.9	1.9	35	3060	39.7	19.7	464.75	9	19
GARST	2834RR	69.0	64.8	70.1	72.1	54.2	1.3	32	3190	39.8	19.1	457.47	9	20
KRUGER	K-289+ RR	68.8	64.7	65.7	76.1	54.5	1.7	33	2930	39.0	19.8	455.91	9	20
TRISOY	2752RR	68.6	62.9	69.5	73.3	54.3	1.8	32	3020	38.6	19.6	450.70	9	18
MIDLAND	276RR	68.5	62.8	67.5	75.2	54.5	1.8	32	2930	39.1	19.7	453.93	9	20
KRUGER	K-273 RR	68.4	62.6	67.1	75.6	54.6	1.7	36	2460	39.6	19.5	455.54	9	16
PRAIRIE BRAND	PB-2643RR	68.3	63.2	67.9	73.8	54.6	1.6	32	2910	39.2	19.7	454.20	9	20
SANDS	SOI 2754RR	67.8	64.2	64.3	75.0	54.5	1.6	32	2870	38.7	19.7	447.03	9	20
ASGROW	AG2403 ##	65.4	60.4	67.4	68.4	53.0	1.1	29	2840	38.8	20.6	438.62	9	14
MERSHMAN	SHAWNEE 527RR	64.1	56.2	66.2	69.8	53.3	1.8	31	2880	40.8	19.1	431.82	9	17
Average all entries		70.8	63.2	72.7	76.6	54.1	2.0	34	2907	39.3	19.7	470.77	9	19
Difference req. for sig. 5%		4.1	5.2	9.7	4.3	0.5	0.5	2	88	0.7	0.3			1

East/South Central Early Maturing RR Soybean Variety Tests 2003 - 2005

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	MATURITY DAY
Two Year Average											
LG SEEDS	C3031RR	66.5	2.0	41	54.5	2780	40.2	20.0	449	9	24
SANDS	SOI 3163RR	65.6	2.3	41	54.5	2760	40.3	20.1	445	9	25
TRISOY	2933RR	62.6	2.0	31	53.5	2800	41.2	19.7	427	9	22
RENZE	R2645RR	62.4	2.0	37	54.6	2590	41.2	19.8	427	9	19
NUPRIDE	8294RR	61.0	2.3	38	53.8	2910	40.6	20.4	417	9	21
KRUGER	K-273 RR	60.8	1.7	38	54.6	2520	41.1	20.0	416	9	19
DYNA-GRO	31N27	60.8	1.6	33	54.6	2960	39.9	20.4	412	9	22
SANDS	SOI 2872RR	60.5	2.5	38	53.8	3050	40.7	20.4	413	9	21
DYNA-GRO	37B28	60.2	2.2	36	53.7	2810	40.2	20.4	409	9	21
KRUGER	K-289+ RR	60.1	1.7	34	54.4	2910	40.2	20.3	408	9	22
DYNA-GRO	38K28	59.9	2.5	38	53.9	3020	40.4	20.4	407	9	21
SANDS	SOI 2754RR	59.7	1.6	34	54.4	2940	40.1	20.3	404	9	22
PRAIRIE BRAND	PB-2643RR	59.5	1.5	33	54.5	2870	40.2	20.3	404	9	22
RENZE	R2724RR	59.3	1.5	34	54.6	2940	40.5	20.1	403	9	22
Average all entries		61.4	2.0	36	54.2	2847	40.5	20.2	417	9	22
Difference req. for sig. 5%		11.0	1.8	9	1.5	500	2.0	1.0	73		8
Three Year Average											
KRUGER	K-289+ RR	63.7	1.5	34	55.4	3020	38.9	20.0	412	9	23
NUPRIDE	8294RR	63.6	2.2	39	54.8	3010	39.2	20.1	414	9	22
SANDS	SOI 2872RR	63.2	2.2	38	54.6	3120	39.6	20.3	414	9	22
DYNA-GRO	37B28	63.1	2.0	36	54.4	2900	38.8	20.3	409	9	22
RENZE	R2724RR	62.7	1.4	34	55.3	3050	39.0	20.0	406	9	23
DYNA-GRO	38K28	62.4	2.3	38	54.8	3100	39.2	20.2	405	9	23
KRUGER	K-273 RR	62.3	1.7	39	55.2	2760	39.9	20.0	410	9	21
Average all entries		63.0	1.9	37	54.9	2994	39.2	20.1	410	9	22
Difference req. for sig. 5%		N.S.	1.4	0	1.6	630	1.5	N.S.	N.S.		5

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East Central Late Maturing Roundup Ready Soybean Variety Test Saunders, Harlan and Furnas Counties - 2005

Brand	Variety	YIELD Average BU/A	Saunders BU/A	Harlan BU/A	Furnas BU/A	BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA S/A	MATURITY MO	DAY
STINE	3600-4	79.0	70.0	88.1	78.8	54.3	2.1	38	2840	39.3	19.4	522.19	10	23
MERSHMAN	TRUMAN 636RR	77.9	71.6	85.9	76.1	54.4	2.1	39	2800	39.0	19.5	514.14	10	23
RENZE	R3388RRCN	75.8	66.8	82.7	77.9	54.5	2.5	39	3000	40.8	18.6	506.60	9	26
PRAIRIE BRAND	PB-3123RR	75.7	67.6	80.3	79.1	54.2	2.1	41	2760	39.6	18.9	498.86	9	1
RENZE	R3115RR	74.7	65.8	79.3	79.1	54.1	2.3	40	2770	39.7	19.0	493.77	9	29
LATHAM	E3157R	74.2	68.7	79.1	74.7	54.4	2.3	41	2740	40.0	18.7	490.46	9	2
MIDLAND	346NRR	74.0	63.3	82.0	76.8	54.7	2.5	43	2990	41.1	18.2	493.09	9	27
KRUGER	K-328 RR	74.0	65.1	79.6	77.3	54.0	2.3	41	2770	39.3	19.2	488.65	9	28
DYNA-GRO	37K32	73.5	62.8	76.8	80.8	54.3	2.1	40	2770	39.2	19.2	483.39	9	30
TRISOY	3450RR(CN)	73.3	66.4	78.1	75.5	54.9	2.0	41	3100	40.6	18.4	487.69	9	30
SANDS	SOI 3432RR	73.1	69.0	76.1	74.1	54.4	2.7	35	3200	41.0	18.9	493.43	10	30
STINE	3532-4	72.8	64.6	79.2	74.5	53.4	1.9	35	2590	39.8	19.2	483.39	10	2
SANDS	SOI 3163RR	72.7	65.0	75.3	77.7	54.3	2.6	41	2770	39.6	19.5	483.21	9	28
PIONEER	93B36 ##	72.3	64.9	77.3	74.6	54.6	2.7	37	2780	40.2	19.2	483.93	9	30
DYNA-GRO	SX05935	72.0	61.1	80.8	74.0	54.2	2.3	35	2930	40.0	18.9	479.04	9	1
DYNA-GRO	35D33	72.0	63.3	80.0	72.6	54.6	2.5	40	2940	40.7	18.8	482.64	10	30
LATHAM	E3454R	71.9	65.5	76.5	73.6	54.0	2.4	40	2590	39.9	19.9	484.37	9	30
TRISOY	3144RR(CN)	71.8	63.3	79.7	72.5	54.6	2.6	39	2900	41.3	18.1	479.15	10	2
PIONEER	93M50 ##	71.8	61.2	78.9	75.4	54.5	1.8	41	2930	39.6	19.1	475.08	9	1
PRAIRIE BRAND	PB-3305RR	71.5	64.3	77.5	72.6	53.7	1.7	34	2840	40.1	19.2	477.38	9	1
KRUGER	K-404 RR	71.3	66.6	79.5	67.9	53.8	2.9	37	2900	39.8	19.6	476.52	10	1
SANDS	SOI 3561RR	71.2	65.1	76.9	71.5	54.4	2.2	38	2970	39.6	19.4	472.77	9	26
KRUGER	K-389 RR/SCN	70.9	64.5	75.3	72.8	54.4	2.3	37	3150	39.9	18.8	468.89	9	30
KRUGER	K-355 RR/SCN	70.4	64.9	73.9	72.5	53.7	1.7	34	2560	39.7	19.8	470.51	9	30
TRISOY	3530RR(CN)	70.4	63.0	75.8	72.5	54.5	2.8	36	3280	40.6	18.8	470.04	10	28
MERSHMAN	GRANT IIRR	70.4	63.5	77.1	70.7	53.5	2.0	36	2660	39.9	19.6	471.21	9	27
MERSHMAN	KENNEDY 538RR	70.0	67.4	73.8	68.7	54.2	2.5	36	2850	40.4	19.0	467.60	10	25
MIDLAND	333RS	69.8	58.5	78.1	72.7	54.2	3.0	40	2890	40.5	18.7	464.87	10	28
NUPRIDE	8354RR	69.7	62.3	75.8	71.1	54.2	2.5	41	2680	40.3	19.4	469.08	10	30
NORTHROP KING	S32-G5	69.6	61.7	76.2	70.9	54.7	2.0	38	3070	39.8	18.7	459.13	9	27
TRISOY	3550RR(CN)	69.4	61.0	75.0	72.1	54.8	2.7	35	3230	41.1	18.4	463.36	9	1
DYNA-GRO	31T31	69.3	62.3	76.7	68.8	54.3	2.2	36	2840	40.1	19.6	466.16	9	30
KRUGER	K-373RR/SCN	69.0	60.7	76.3	70.1	54.6	2.9	39	3050	40.2	19.0	460.00	9	1
KRUGER	K-349 RR	68.9	60.3	77.2	69.3	54.0	2.3	35	2920	39.8	19.7	461.86	9	2
KRUGER	K-399 RR/SCN	68.7	59.7	73.8	72.6	54.5	3.1	41	3050	39.8	18.8	452.96	10	1
MERSHMAN	WASHINGTON IXRR	68.5	63.3	72.1	70.1	53.9	2.8	37	2550	39.8	19.5	456.67	10	1
NUPRIDE	8304RR	68.0	60.8	71.3	71.8	54.5	2.4	37	2950	40.3	19.2	455.37	9	28
TRISOY	3343RR(CN)	65.7	60.1	69.8	67.3	54.6	1.8	38	3210	39.7	19.2	436.03	9	30
ASGROW	AG2703 ##	64.2	62.5	65.5	64.6	53.5	2.3	37	3030	39.9	19.4	428.43	9	29
Average all entries		71.5	64.1	77.3	73.2	54.3	2.4	38	2894	40.0	19.1	476.20	9	29
Difference req. for sig. 5%		4.0	5.2	8.8	5.6	0.4	0.6	2	156	0.9	0.7	26.68		3

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Entry	Rank	B/A	Location--Region	Test	Type	Entries
K-200 RR	1	49.3	Pierce County--Northeast	Early - Irrigated	RR	14
K-211+ RR	1	57.5	Dixon County--Northeast	Late - Dryland	RR	43
K-211+ RR	2	46.6	Pierce County--Northeast	Early - Irrigated	RR	14
K-233+ RR	2	56.6	Dixon County--Northeast	Late - Dryland	RR	43
K-311 RR/SCN	2	35.3	Saunders County	SCN	RR	32
K-255RR	3	46.8	Pierce County--Northeast	Late - Irrigated	RR	29
K-289+ RR	3	83.1	Valley County--Central	Irrigated	RR	43
K-328 RR	3	79.4	Clay County--Southeast	Early - Irrigated	RR	36
K-355 RR/SCN	3	33.7	Saunders County	SCN	RR	32
K-255RR	4	74.1	Dawson County--Central	Irrigated	RR	45
K-273 RR	4	83.0	Valley County--Central	Irrigated	RR	43
K-333 RR/SCN	4	33.3	Saunders County	SCN	RR	32



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2005 UNIVERSITY OF NEBRASKA CORN HYBRID YIELD RESULTS

<u>Company</u>	<u>Variety</u>	<u>Mat.</u>	<u>Rank</u>	<u>Yield</u>	<u>Avg. \$</u>	<u>Location</u>	<u>Test</u>	<u>Category</u>
Circle Seed*	CS-8005RR/YGCB	113	1	246.7		Dawson County	Irrigated	Overall
Circle Seed*	CS-8414HX	114	1	257.1		Furnas	Irrigated	Overall
Circle Seed*	CS-8414HX	114	1		\$537.30	Furnas	Irrigated	Overall
Kruger Seed	K-0610	110	1	248.4		Holt County	Irrigated	Overall
Kruger Seed	K-0610	110	1		\$495.60	Holt County	Irrigated	Overall
Kruger Seed	K-5514YGCB	114	1	237.9		Pierce	Irrigated	Overall
Kruger Seed	K-5514YGCB	114	1		\$467.66	Pierce	Irrigated	Overall
Kruger Seed	K-8414HX	114	1	176.1		Saline County	Dryland	Overall
Kruger Seed	K-8414HX	114	1		\$353.81	Saline County	Dryland	Overall
Kruger Seed	K-9115YGPLUS	115	1	242		Clay County	Irrigated RW	Overall
Kruger Seed	K-9115YGPLUS	115	1	227.5		Valley County	Irrigated RW	Overall
Kruger Seed	K-9115YGPLUS	115	1		\$472.79	Clay County	Irrigated RW	Overall
Circle Seed*	CS-8005RR/YGCB	114	2		\$501.50	Dawson County	Irrigated	Overall
Kruger Seed	K-2517RR/YGCB	117	2	245.8		Custer	Irrigated	Overall
Kruger Seed	K-5416YGCB	116	2	245.8		Holt County	Irrigated	Overall
Kruger Seed	K-5416YGCB	116	2		\$481.80	Holt County	Irrigated	Overall
Kruger Seed	K-8414HX	114	2	225.9		Brown Pivot	Irrigated	Overall
Kruger Seed	K-9115RR/YGCB	115	2	257.4		Dundy County	Irrigated	Overall
Kruger Seed	K-9115TS	115	2		\$468.81	Clay County	Irrigated RW	Overall
Kruger Seed	K-9115YGPLUS	115	2		\$453.97	Valley County	Irrigated RW	Overall
Kruger Seed	K-9212TS	112	2		\$505.18	Buffalo County	Irrigated RW	Overall
Circle Seed*	CS-2605RR/YGCB	105	3		\$427.56	Brown Pivot	Irrigated	Overall
Circle Seed*	CS-5509YGCB	109	3		\$461.30	Valley County	Irrigated	Overall
Circle Seed*	CS-8005RR/YGCB	114	3		\$527.26	Dundy County	Irrigated	Overall
Circle Seed*	CS-8274YGCB	113	3	257.2		Dundy County	Irrigated	Overall
Kruger Seed	K-0610	110	3		\$418.96	Brown Furrow	Irrigated	Overall
Kruger Seed	K-5514YGCB	114	3	241.7		Holt County	Irrigated	Overall
Kruger Seed	K-9115RR/YGCB	115	3	245.5		Custer	Irrigated	Overall
Kruger Seed	K-9115RR/YGCB	115	3	223.4		Brown Pivot	Irrigated	Overall
Kruger Seed	K-9115RR/YGCB	115	3		\$469.92	Custer	Irrigated	Overall
Kruger Seed	K-9115TS	115	3	239.9		Clay County	Irrigated RW	Overall
Kruger Seed	K-9212YGPLUS	112	3		\$445.34	Valley County	Irrigated RW	Overall
Kruger Seed	K-9313YGCB	113	3		\$290.75	Nemaha County	Dryland	Overall

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Southeast Early Maturing RR Soybean Variety Tests 2004 - 2005

BRAND BU/A	VARIETY RATING	GRAIN YIELD INCHES	PLANT LOGGING LB/BU	PLANT HEIGHT /LB	BUSHEL WEIGHT PCT	GRAIN SEED PCT	GRAIN PROTEIN S/A	GRAIN OIL MO	EPVA DAY	MATURITY
Two Year Average										
DYNA-GRO	37K32	65.1	1.5	38	55.6	2850	39.9	19.9	438	9 18
PRAIRIE BRAND	PB-3123RR	64.8	1.4	37	55.4	2820	39.7	19.9	434	9 18
KRUGER	K-328 RR	63.5	1.4	37	55.3	2800	39.8	19.8	425	9 18
DYNA-GRO	38K28	61.3	1.4	35	54.8	3100	40.1	20.1	414	9 17
WILLCROSS	RR2335N	60.1	1.9	37	55.7	3100	41.3	19.1	407	9 22
DYNA-GRO	31T31	56.5	1.5	33	55.2	3000	41.0	20.3	388	9 19
KRUGER	K-349 RR	56.2	1.4	33	55.5	2970	40.7	20.2	384	9 18
Average all entries		61.1	1.5	36	55.4	2949	40.4	19.9	413	9 19
Difference req. for sig. 5%		9.9	N.S.	3	N.S.	240	1.3	0.8	74	5

Central Irrigated Roundup Ready Soybean Variety Test Valley and Dawson Counties - 2005

Brand	Variety	YIELD Average BU/A	Valley BU/A	Dawson BU/A	BUSHEL WEIGHT LB/BU	PLANT LOGGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA S/A
DEKALB Genetics	25-51 ##	79.1	85.5	72.6	53.8	1.4	33	2880	38.1	19.7	514.94
RENZE	R2645RR	78.8	81.6	76.0	55.2	1.9	39	2640	39.1	19.2	518.50
ASGROW	AG3005 ##	78.2	79.5	76.9	54.2	2.3	40	2700	38.6	19.6	511.82
FOUR STAR	2261RR	77.7	81.6	73.8	55.3	1.6	38	2610	39.3	19.3	511.65
KRUGER	K-255RR	77.2	80.2	74.2	54.2	1.5	36	2900	39.3	19.3	507.98
PIONEER	93M11 ##	76.9	85.6	68.1	55.1	1.0	36	3040	38.6	20.2	511.00
DYNA-GRO	38K28	76.7	82.2	71.1	54.1	1.9	39	3110	38.3	19.8	502.39
DYNA-GRO	37B28	76.7	80.3	73.0	54.0	2.0	38	2820	38.2	19.7	500.08
KRUGER	K-273 RR	76.7	83.1	70.2	54.4	1.6	38	2680	38.9	19.2	501.62
PIONEER	93B47 ##	76.7	82.0	71.4	56.0	2.1	40	3170	38.3	19.7	501.62
DYNA-GRO	35P29	76.3	77.8	74.8	54.2	2.1	37	3050	39.4	19.5	506.63
KRUGER	K-328 RR	76.2	79.0	73.4	55.2	2.0	42	2850	38.1	19.4	493.78
DYNA-GRO	SX05426	76.2	82.5	69.9	54.9	1.6	38	2680	39.2	19.2	501.02
TRISOY	2933RR	76.0	78.7	73.2	53.6	1.6	32	2790	39.1	19.2	499.70
PIONEER	93B36 ##	76.0	78.0	74.0	55.9	2.0	38	2840	39.6	19.5	504.64
STINE	3600-4	75.8	80.1	71.4	55.4	1.7	39	2890	38.3	19.8	495.35
RENZE	R3115RR	75.8	79.0	72.5	55.0	1.9	40	2790	38.1	19.5	492.70
GARST	3065RR/STS	75.8	79.6	72.0	54.8	1.7	37	2780	39.0	19.9	502.55
TRISOY	3144RR(CN)	75.5	78.3	72.7	55.2	2.0	41	2980	40.0	18.6	499.43
KRUGER	K-289+ RR	75.5	83.1	67.8	55.5	1.3	33	3040	37.9	19.8	491.51
KRUGER	K-270 RR	75.4	79.7	71.1	54.3	2.1	39	3000	38.5	19.7	493.87
LATHAM	L2900R	75.1	80.6	69.5	54.2	1.0	33	2970	38.1	19.5	487.77
DYNA-GRO	31N27	75.1	81.1	69.1	54.9	1.3	34	3080	38.1	19.4	487.40
TRISOY	2952RR(CN)	75.0	76.8	73.1	54.4	2.2	38	2950	39.6	19.3	497.25
GARST	3135RR	74.6	75.8	73.4	54.6	1.6	37	3200	38.3	19.2	483.04
DYNA-GRO	SX05725	74.5	80.6	68.3	54.2	1.4	36	2900	39.5	18.9	490.96
FOUR STAR	2282RR	74.3	76.2	72.4	54.6	1.9	38	3020	39.2	19.4	490.75
DYNA-GRO	37K32	74.3	79.0	69.6	54.8	2.2	41	2830	38.2	19.4	483.69
FOUR STAR	2314RR	74.2	81.5	66.9	54.8	1.8	42	3050	40.0	18.4	487.87
GARST	2677RR ##	74.2	80.3	68.1	54.5	1.4	31	3130	38.4	19.7	486.75
KRUGER	K-341 RR/SCN	73.9	76.8	70.9	55.3	2.0	37	2950	39.7	19.1	488.85
KRUGER	K-333 RR/SCN	73.6	79.6	67.6	54.5	1.5	36	2460	39.4	19.6	487.97
ASGROW	AG2403 ##	73.5	79.8	67.2	53.9	1.0	31	2880	38.0	19.9	480.69
GARST	2834RR	73.2	80.0	66.4	55.3	1.0	33	3330	39.0	19.0	478.00
DYNA-GRO	31T31	73.0	77.7	68.2	55.3	1.8	36	2900	39.3	19.7	486.55
STINE	3532-4	72.4	78.4	66.3	54.4	1.7	36	2620	39.5	19.3	480.74
DYNA-GRO	32C25	72.4	76.6	68.1	54.1	1.4	35	3100	38.9	18.8	470.96
TRISOY	3530RR(CN)	71.5	77.0	66.0	55.9	2.3	39	3240	40.2	18.8	473.69
STINE	3832-4	71.2	76.7	65.6	55.2	2.3	39	2650	38.8	19.8	470.99
KRUGER	K-349 RR	71.0	72.0	70.0	55.2	2.0	37	2960	39.5	19.8	474.28
KRUGER	K-311 RR/SCN	70.7	71.4	70.0	54.9	1.9	38	2810	40.3	18.9	470.86
Average all entries		75.0	79.4	70.7	54.8	1.7	37	2909	38.9	19.4	493.22
Difference req. for sig. 5%		N.S.	3.9	5.1	0.6	0.7	3	188	0.7	0.4	N.S.

Central Irrigated RR Soybean Variety Tests 2003 - 2005

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
Two Year Average									
KRUGER	K-328 RR	75.2	1.8	40	55.1	2780	39.1	19.9	500
TRISOY	3144RR(CN)	73.9	2.0	39	55.3	2880	41.0	19.1	500
DYNA-GRO	38K28	73.9	2.0	37	54.3	3010	39.9	20.1	499
ASGROW	AG3005	73.2	2.3	38	54.7	2670	39.7	19.9	491
RENZE	R3115RR	73.1	1.9	38	55.3	2750	39.5	19.8	489
KRUGER	K-289 + RR	72.9	1.3	32	55.2	3050	39.1	20.3	488
KRUGER	K-270 RR	72.6	1.8	37	54.7	2920	39.6	20.1	487
KRUGER	K-273 RR	71.7	1.6	36	54.7	2610	40.1	19.7	481
DYNA-GRO	31N27	71.6	1.3	33	55.1	2980	39.7	20.1	480
DYNA-GRO	37B28	71.6	1.9	36	54.0	2760	39.5	20.0	478
TRISOY	2933RR	71.6	1.5	31	54.1	2730	40.1	19.5	481
ASGROW	AG2403	70.9	1.0	29	53.9	2780	39.4	20.1	476
GARST	2834RR	69.5	1.0	32	55.1	3100	40.3	19.6	467
DYNA-GRO	31T31	68.4	1.9	34	55.2	2850	40.6	20.1	467
TRISOY	3530RR(CN)	68.1	2.4	37	55.5	3080	41.1	19.4	462
KRUGER	K-349 RR	67.6	1.9	35	54.9	2900	40.7	20.1	461
Average all entries		71.6	1.7	35	54.8	2861	39.9	19.9	481
Difference req. for sig. 5%		13.1	1.4	5.7	3.0	588	2.3	1.3	91
Three Year Average									
DYNA-GRO	38K28	75.9	2.0	37	54.7	3060	38.4	20.3	490
DYNA-GRO	37B28	74.0	1.8	36	54.3	2760	38.4	20.1	476
Average all entries		75.0	1.9	36.5	54.5	2910	38.4	20.2	483
Difference req. for sig. 5%		N.S.	N.S.	N.S.	0.4	147	N.S.	N.S.	N.S.

East Central Cyst Nematode Soybean Variety Test Saunders County - 2005

Brand	Variety	YIELD AVERAGE BU/A	BUSHEL WEIGHT LB/BU	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	DAY
PIONEER	93M50 ##	36.2	54.7	30	3710	43.2	17.2	245.44	9	26
KRUGER	K-311 RR/SCN	35.3	56.7	29	3810	43.6	17.2	241.10	9	24
FARM ADVANTAGE	7295N	33.7	50.4	28	3530	40.2	19.4	225.79	9	27
KRUGER	K-355 RR/SCN	33.7	53.3	30	3450	41.9	18.8	230.51	9	25
KRUGER	K-333 RR/SCN	33.3	54.1	28	2990	41.1	19.4	227.44	9	25
MIDLAND	296NRR	33.1	54.0	29	3810	42.0	18.9	226.74	9	24
FARM ADVANTAGE	7285N	32.7	54.1	26	3930	41.7	19.0	223.34	9	25
KRUGER	K-287 RR/SCN	32.6	50.4	29	3110	42.6	18.5	223.64	9	27
DYNA-GRO	31T31	32.1	50.7	26	3200	42.4	19.1	221.81	9	27
PIONEER	93M80 ##	31.8	56.7	32	3180	42.0	18.8	217.51	9	28
LATHAM	E2811RX	31.1	53.0	26	3320	43.4	18.3	215.83	9	23
GARST	3448RR/N	30.7	54.0	25	3110	42.6	19.2	213.06	9	27
KRUGER	K-277 + RR/SCN	30.4	52.2	24	3380	41.9	19.2	208.85	9	23
KRUGER	K-292 RR/SCN	28.5	54.4	26	3750	41.8	19.0	195.23	9	25
LATHAM	E3185R	28.5	54.1	26	3460	42.5	18.4	195.23	9	25
KRUGER	K-266 RR/SCN	27.8	49.6	23	3380	42.3	18.8	190.43	9	22
GARST	3236RR/N	27.6	49.9	29	3700	42.7	18.0	188.23	9	26
GARST	3212RR/N	27.3	51.8	27	3780	40.5	19.1	183.46	9	26
DYNA-GRO	37B28	27.2	43.2	26	3710	42.2	18.1	184.69	9	24
GARST	2721RR/N	27.0	50.6	27	3080	43.0	18.3	185.76	9	27
MIDLAND	346NRR	26.6	54.8	28	3790	42.5	18.0	180.88	9	26
LATHAM	E3478R	25.8	51.2	23	3450	41.7	19.2	176.99	9	25
LATHAM	E2922RX	24.7	49.0	25	3180	42.4	18.2	168.70	9	23
KRUGER	K-341 RR/SCN	24.5	45.9	23	3430	41.1	19.6	167.34	9	26
DYNA-GRO	31N27	23.5	45.3	26	3440	41.0	19.1	158.86	9	24
DYNA-GRO	38K28	20.2	37.1	23	3770	41.9	18.4	137.16	9	24
DYNA-GRO	37K32	20.0	48.7	25	3410	41.5	18.7	135.40	9	24
PIONEER	93M92 ##	17.9	44.0	26	3640	42.5	18.6	122.79	9	27
Average all entries		28.7	50.9	27	3482	42.1	18.7	196.15	9	25
Difference req. for sig. 5%		8.8	N.S.	5	347	N.S.	0.6	0.10		3

Longitude & Latitude 2005 Soybean Plots

County/Location	Latitude	Longitude
Saunders	41.2217	-96.3305
Saunders	41.2569	-96.5933
Dixon	42.3770	-96.9550
Jefferson	40.3040	-97.0935
Pierce IRR	42.1300	-97.8080
Clay	40.5814	-98.1394
Valley	41.5319	-98.7855
Harlan	40.1703	-99.5208
Dawson IRR	40.7587	-99.6710
Furnas IRR	40.2679	-100.2315



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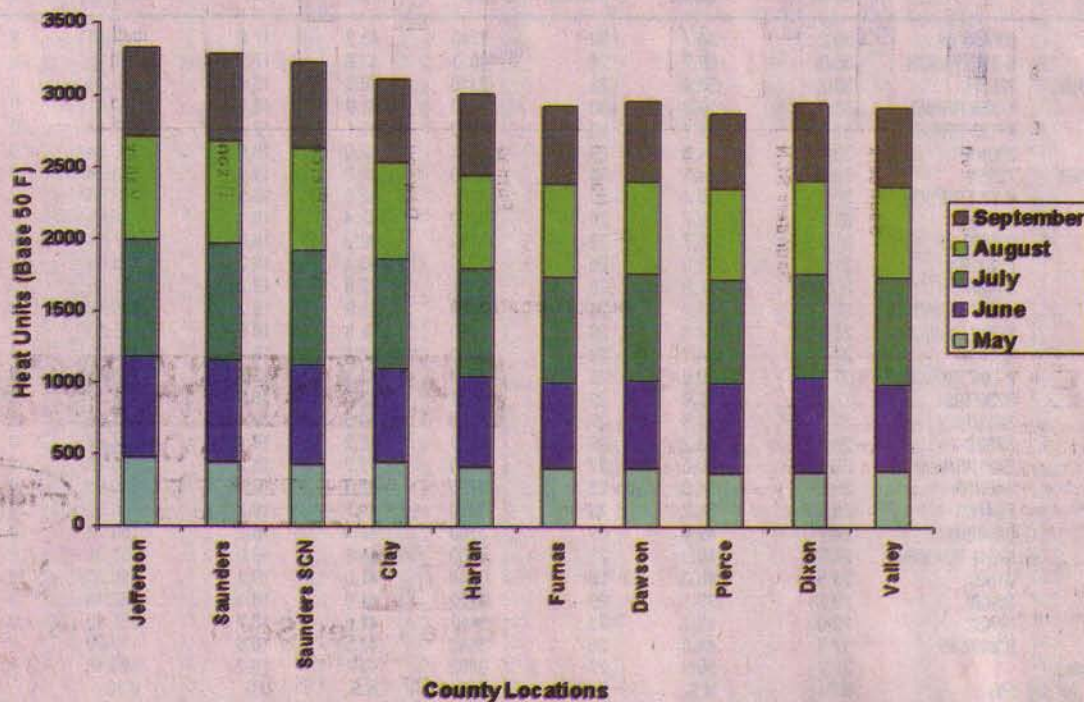
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Soybean Plot Locations - 2005



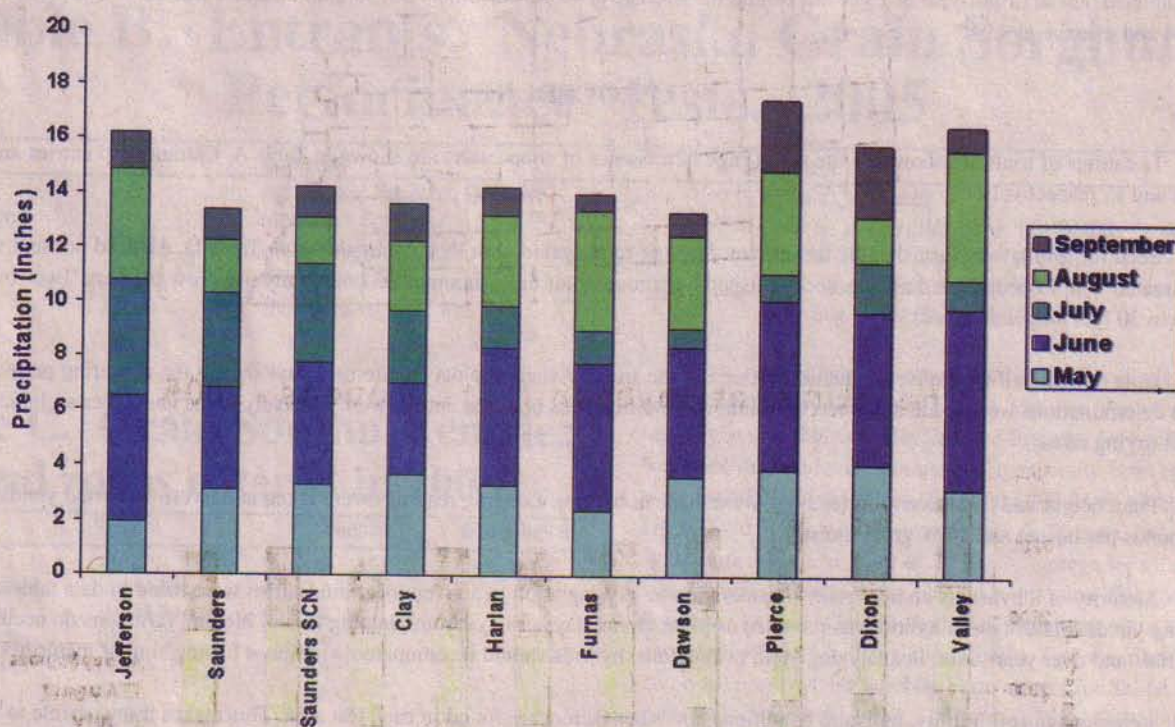
Heat Units at Soybean Test Locations - 2005



East/South Central Cyst Nematode Soybean Variety Tests 2004 - 2005

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	MATURITY DAY
Two Year Average											
KRUGER	K-355 RR/SCN	39.1	28	30	53.9	2840	42.5	20.4	278	9	28
KRUGER	K-287 RR/SCN	38.3	26	30	52.5	2790	42.7	20.1	272	9	26
DYNA-GRO	31T31	37.4	28	27	52.8	2850	42.9	21.2	270	9	28
LATHAM	E2811RX	37.3	24	29	53.6	2890	43.7	19.8	268	9	24
KRUGER	K-277+ RR/SCN	34.5	24	25	53.3	2920	43.1	20.5	247	9	24
Average all entries		37.3	26	28	53.2	2858	43.0	20.4	267	9	26
Difference req. for sig. 5%		4.5	N.S.	6	N.S.	N.S.	N.S.	N.S.	29		N.S.

Precipitation at Soybean Plot Locations



County Locations

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NEBRASKA GRAIN SORGHUM HYBRID TESTS

2005

Recent grain sorghum acreage and yields for Nebraska were as follows:

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Yield bu/A	95.0	83.0	98.0	89.0	73.0	84.0	49.0	62.0	81.0	85.0
Acres Harvested(000)	1,030	800	700	450	470	450	310	500	415	250

The November 2005 sorghum production is estimated at 21.3 million bushels, down 37 percent from last year. Harvested acres are down 40 percent from a year ago. Yields are expected to average 85 bushels per acre, up 4 bushel from last year. The following are the statewide growing conditions for grain sorghum. By June 12, sorghum planting was 90 % complete. Behind last year at 94 % and average 91 %. Seventy percent of the crop had emerged. By July 10, sorghum condition rated 3 % poor, 28 % fair, 55 % good and 14 % excellent, above last year and the average. The August 14 report showed that 86 % of the crop had headed. This was ahead of last year at 73 % and the average of 76 %. By September 18, sorghum condition rated 4 % very poor, 9 % poor, 26 % fair, 47 % good, and 14 % excellent, still above last year and average. Fields were showing color on 95 % of the acreage, ahead of last year at 80 % and average at 86 %. Twenty-nine percent of the acreage was mature, ahead last year at 14 % but behind average at 39 %. By October 17, sorghum condition was rated 4% very poor, 8% poor, 26% fair, 48% good, and 14% excellent. Ninety-six % of the acreage was mature, ahead of last year at 87 % and average at 95 %. Harvest was 42 % completed, ahead of last year at 28 % but behind the average at 49 %. November 13, sorghum harvest was 98 % complete, ahead of last year at 84 and average at 93%.

PROCEDURE

Locations of trials are shown on the map (Page 62). Names of cooperators are shown in Table A. Entrants and entries are shown in Tables B and C, respectively.

Seed for testing was furnished by the entrant. Seeding rates varied with location as shown in Table D. All seed not sent with a safener were treated with Concept. Seeding was accomplished with cone or air units mounted on commonly used row planters. Two-row or 4-row plots, 20 to 30 feet long were used.

Data on one-half bloom were obtained at three of the sites by visiting plots on alternate days during the flowering period. Grain moisture determinations were made at harvest at a time when differences between entries were relatively high. This gives an indication of relative grain drying rates.

Plant height and head exertion readings were made at harvest. Lodging readings were taken at harvest. Reported yields are based on 56 pounds per bushel and 14 % grain moisture.

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 as plant bloom days or days from planting to half bloom. Variations do occur in maturity among trials and over years data. In analyzing yield evaluations, hybrids should be compared with those having similar maturities.

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 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. This is the sixth year of using a statistical procedure for minimizing spatial variability on the plot area.

RESULTS

The average performance of all entries at each 2005 test location is shown in Table D. All tests were machine harvested this year. The average performance of hybrids included in trials over a three-year period is shown in Table E. This data indicates the effect of seasonal growing conditions on the characters measured. Stalk lodging data are included only for experiments where differentials among hybrids were observed.

Southeast

Table A. Location and Cooperators. 2005 Nebraska Grain Sorghum Performance Tests.

Location	Soil Type/Herbicide	Cooperator
Southeast		
Gage (dryland)	Crete silty clay loam Guardman	Eugene Humphrey Odell
Saline (dryland)	Crete silt loam Atrazine, Permit, Paramount	Darin Keller Wilber
South Central		
Clay (irrigated)	Hastings silt loam Touchdown, Dual II, Atrex, Roundup	SCAL Clay Center
Thayer (dryland)	Crete silt loam Guardman Max, Glyphomax Plus	James Vorderstrasse Hebron
Harlan (dryland)	Holdrege silt loam Expert, Peak, Atrex, Starane	Neil Collins & Duane Vorderstrasse Orleans

Table B. Entrants. Nebraska Grain Sorghum Performance Tests. 2005

Brand	Company	Address
-----	Agricultural Research Div., UNL	Lincoln, NE 68583
DeKalb/Asgrow	Monsanto Company	7159 N. 247 W., Mt. Hope, KS. 67108
Garst Seed	Garst Seed Company	1104 W 18th Rd, Aurora, NE 68818
Ohlde	Ohlde Seed Farms	1577 4th Rd, Palmer KS 66962
Triumph	Triumph Seed Co., Inc.	P. O. Box 1050, Ralls, TX 79357

Table C. Grain Sorghum entries and zones entered in 2005

Brand	Hybrid	Southeast	South Central
ASGROW	A567	A	
DEKALB Genetics	DKS54-00	A	
DEKALB Genetics	DKS42-20	A	
DEKALB Genetics	DKS37-07	A	
DEKALB Genetics	DKS53-11	A	
GARST	5401	A	
GARST	5360	.	
OHLDE	O-525	A	
OHLDE	O-530	A	
OHLDE	O-567	A	
TRIUMPH	TR 465	.	
TRIUMPH	TR 442	.	
TRIUMPH	TR 434	.	
UNL	UNL3003	A	
UNL	UNL3006	A	
UNL	UNL3010	A	
UNL	UNL3014	A	
UNL	UNL3016	A	
UNL	UNL3036	.	
UNL	UNL4010	.	
UNL	UNL5038	.	
UNL	UNL5049	.	
UNL	UNL5138	.	
UNL	UNL5238	.	

Twenty entries were planted at two locations in Gage and Saline County. The Gage County test was planted no-till into soybean stubble on May 26. The first two reps suffered herbicide drift and were not used. Gage County farm entries were Dekalb DKS 51-90 @ 103 bu/a, DKS 44 @ 61 bu/a, DKS 35-70 @ 76 bu/a, Asgrow Pulsar @ 70 bu/a, NC+ 7R37E @ 75 bu/a and Garst 5360 @ 77 bu/a. Average for all entries was 79 bu/a. This test was planted in the same field as the Southeast Dryland Corn Hybrid trial. The average for all corn entries was 136 bu/a. The Saline County Test was planted May 26 no-till into soybean stubble. Farm entries for Saline County were Dekalb DKS 51-90 @ 116 bu/a, DKS 44 @ 96 bu/a, DKS 35-70 @ 93 bu/a, Asgrow Pulsar @ 79 bu/a, NC+ 7R37E @ 104 bu/a and Garst 5360 @ 108 bu/a. Average for all entries was 103 bu/a. This test was planted in the same field as the South Central Dryland Corn Hybrid trial. The average for all corn entries was 151 bu/a.

South Central

Clay County irrigated, Thayer and Harlan County dryland plots had 20 entries, four replications, four rows 30 inches wide. Plots were harvested using the center two rows. The irrigated plot used gravity irrigation and was located at the SCAL near Clay Center. The average yield for the irrigated plot was 161 bu/a. The average moisture was 13.3 %. This plot

Table D. Grain Sorghum. Average performance at each test location. 2005

Location	Planted	Harvested	Grain yield bu/A	Grain moisture pct	Test weight lb/bu	Planting to bloom days	Plant height inches
Southeast							
Gage (dryland)	May 26	Oct. 10	79	15.1	59.1	72	50
Saline (dryland)	May 26	Oct. 10	103	14.6	60.0	73	51
Average 2 tests	91	14.9	59.6	73	51		
South Central							
Clay (irrigated)	May 26	Oct. 31	161	13.3	---	68	56
Thayer (dryland)	May 1	Nov. 2	128	12.8	---	---	47
Harlan (dryland)	June 8	Oct. 28	121	14.7	---	---	40
Average 3 tests			137	13.6	---	68	48

Table E. Sorghum performance over three years. 2003 - 2005

Test	Year	Grain yield bu/A	Grain moisture pct	Test weight lb/bu	Planting to bloom days	Plant height inches	Head exertion inches
Southeast	2003	96	16.9	58.6	77	53	4
	2004	104	16.2	59.4	75	55	4
	2005	91	14.9	59.6	73	51	5
South Central	2003	131	15.2	57.1	--	51	4
	2004	140	14.1	57.5	--	51	4
	2005	137	13.6	--	--	48	4

was ridge planted with a four row Kinze planter with cone units with good soil moisture. Thayer County dryland test average sorghum yield was 128 bu/a. The average moisture was 12.8 %. This test was slot planted into soybean stubble at 60,000 plants per acre. Good moisture throughout the growing season produced good yields. Strong winds a week before harvest caused some stalk breakage in some hybrids. The Harlan County dryland test was planted June 8 into wheat stubble. This test was also planted at 60,000 plants per acre. Good growing conditions helped this test to average 121 bu/a. This test was harvested October 28 with the average moisture being 14.7 %.

Cultural Practices

Gage (dryland): No-till. Crop history: 2004 soybeans. Fertilizer: 100 lb/a N as Anhydrous. Herbicide: Guardsman 2.4 pt/a. Insecticide: None. Hand hoed plot.

Saline (dryland): No-till. Crop history: Soybean, corn rotation. Fertilizer: 120 lb N. Herbicide: 6 oz Paramount, .75 lb Atrazine, .66 oz Permit Insecticide: None. Nitrogen in depth sample 188 lb/a, Soil pH 5.0, Lime needed 9000 lb/a, O.M. 3.3%, Bray-1 P ppm, 18 MED, K ppm, 586 VHI.

Clay (gravity irrigated): Crop history. Soybeans 2004 and sorghum in 2003. Fertilizer: 160 lbs/a N as anhydrous ammonia, Herbicide: .92 qt/a Touchdown, 1.3 pt Dual II Magnum, 1.8 lbs Atrex, 1 qt Roundup Original. Insecticide: None. Nitrogen in depth sample 64 lb/a, Soil pH 6.6, O.M. 2.7%, Bray-1 P 18 ppm, K 417 ppm, Zinc 1.4 ppm.

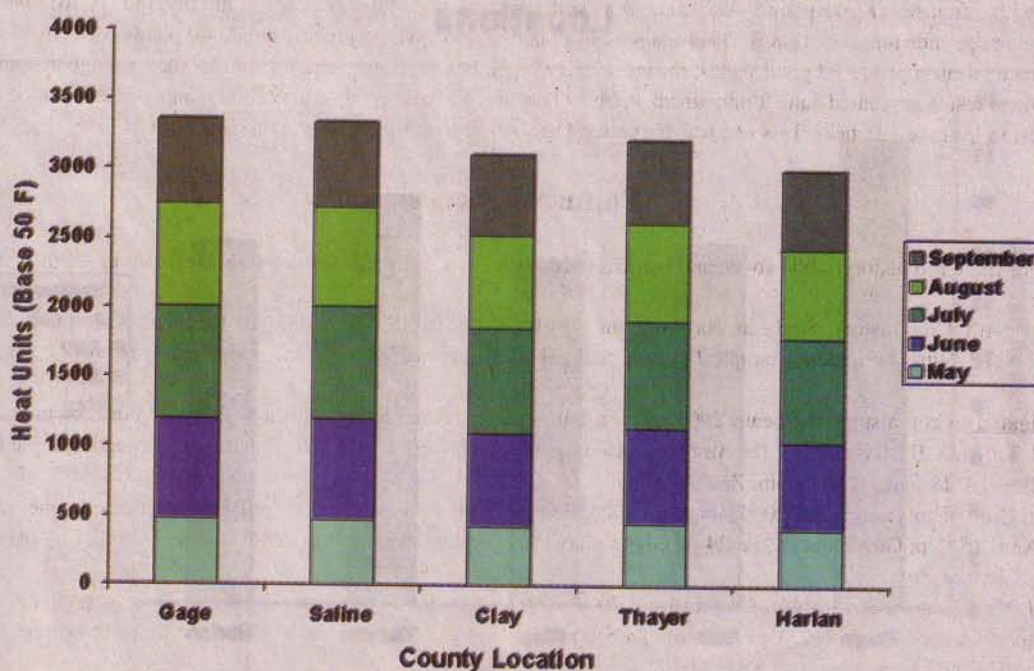
Thayer (dryland): Crop history: soybeans 2004, sorghum 2003. Fertilizer: 90 lb N as 32% on April 15. Insecticide: None. Herbicide: 2 qt/a Guardsman Max April 15, 1 pt Guardsman Max, 24 oz Glyphomax Plus preplant. Nitrogen in depth sample 54 lb/a, Soil pH 6.0, Bray-1 P 18 ppm, K 450 ppm, Zinc 0.68 ppm.

Harlan (dryland): No-till into wheat stubble. Crop history: 2004 winter wheat, 2003 sorghum. Fertilizer: 75 lb N, preplant, 30 lb N post. Herbicide: 3 qt Expert preplant. 3 oz Peak, 1 pt Atrex, 10 oz Starane on July 5. Insecticide: none. Nitrogen in depth sample 158 lb/a, Soil pH 6.1, Bray-1 P 46 ppm, K 602 ppm, Zinc 0.83 ppm.

Grain Sorghum Characteristics 2005

Brand	Variety	Mat Rel To RS626	Grain Color	Height RS626 = Med	Greenbug Resistance		
					C	E	I
ASGROW	A567	Med Late	Bronze	Med Tall	C	E	-
DEKALB Genetics	DKS54-00	Med Late	Bronze	Tall	C	E	I
DEKALB Genetics	DKS42-20	Early Med	Bronze	Med	C	E	-
DEKALB Genetics	DKS37-07	Early	Bronze	Short Med	C	E	I
DEKALB Genetics	DKS53-11	Med Late	Bronze	Tall	C	E	I
GARST	5360	Med Late	Red	Med	-	-	-
GARST	5401	Med Late	Red	Med	-	E	-
OHLDE	O-525	Early Med	Bronze	Med	C	E	-
OHLDE	O-530	Early Med	Cream	Short Med	C	E	I
OHLDE	O-567	Med Late	Bronze	Med Tall	C	E	I
TRIUMPH	TR 465	Med	Bronze	Med Tall	C	E	I
TRIUMPH	TR 442	Early Med	Bronze	Med	C	E	-
TRIUMPH	TR 434	Early	Red	Short Med	C	E	-
UNL	UNL 3003	Med	White	-	-	-	-
UNL	UNL 3006	Med	White	Med	-	-	-
UNL	UNL 3010	Med	White	Med	-	-	-
UNL	UNL 3014	Med	White	Tall	-	-	-
UNL	UNL 3016	Med	White	Med	-	-	-
UNL	UNL 3036	Med Late	White	Tall	-	-	-
UNL	UNL 4010	Early	White	Short	-	-	-
UNL	UNL 5038	V Early	White	Short	-	-	-
UNL	UNL 5049	V Early	White	Short	-	-	-
UNL	UNL 5138	V Early	Bronze	Short	-	-	-
UNL	UNL 5238	V Early	Cream	Short	-	-	-

Heat Units at Grain Sorghum Test Locations



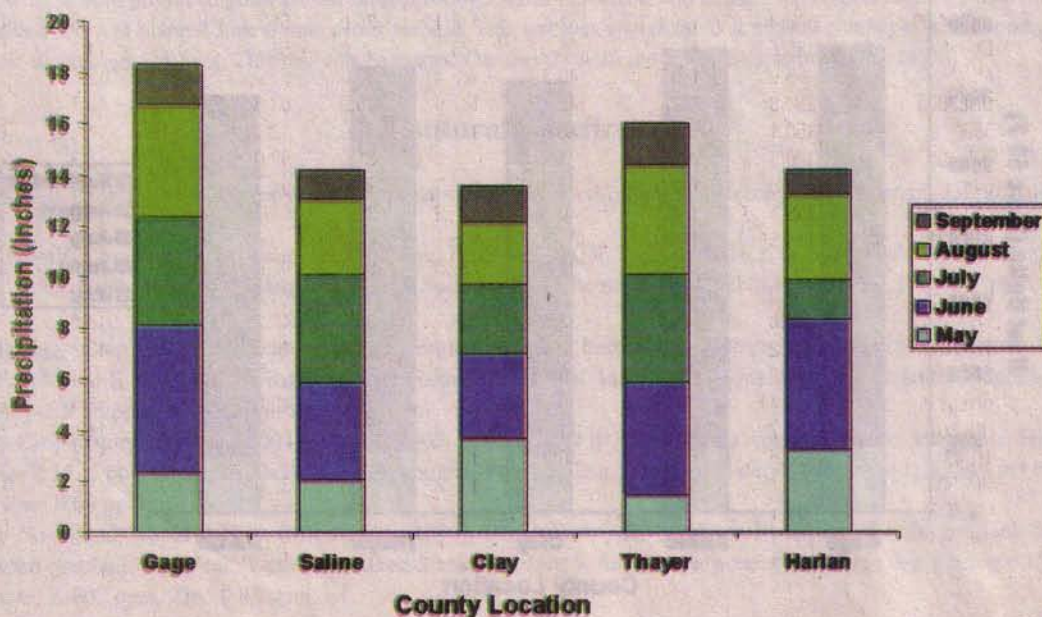
Southeast Grain Sorghum Hybrid Test - 2005

Gage and Saline Counties

Brand	Hybrid	Average bu/a	Yield Gage * bu/a	Saline bu/a	Days to bloom	Bushel weight lb/bu	Plant height inches	Head exsertion inches	Grain moisture pct	Seeds per pound
DEKALB Genetics	DKS54-00	111.7	90.5	132.8	76.0	60.3	54.0	5.5	16.0	14550
ASGROW	A567	109.9	98.5	121.3	75.0	60.8	52.0	2.5	16.4	13900
AA----	UNL3003	105.1	102.8	107.4	74.0	60.7	52.0	4.0	15.7	15050
AA----	UNL3010	96.9	94.3	99.5	72.5	60.5	56.0	3.5	15.6	15600
GARST	5401	95.2	85.3	105.1	72.5	61.9	55.0	5.5	15.9	15800
AA----	UNL3014	94.8	80.3	109.3	77.0	59.4	64.5	4.5	16.4	13450
DEKALB Genetics	DKS42-20	94.4	87.2	101.6	69.0	61.2	50.5	5.0	15.4	16800
OHLDE	O-525	94.2	90.0	98.3	68.0	60.3	48.0	6.0	15.3	15150
OHLDE	O-530	87.9	81.9	93.9	71.5	62.3	44.5	4.5	15.6	18400
OHLDE	O-567	86.9	73.0	100.8	74.0	60.6	46.5	5.5	15.8	15750
DEKALB GENETICS	DKS53-11	86.2	52.9	119.5	74.5	60.0	51.0	2.5	16.6	12700
DEKALB Genetics	DKS37-07	83.9	71.6	96.2	70.5	60.6	48.5	4.5	16.0	16500
AA----	UNL3006	77.2	60.9	93.5	75.0	59.9	48.5	2.5	15.4	14650
AA----	UNL3016	60.7	40.7	80.7	76.0	58.0	50.5	3.5	15.9	16250
Average all entries		91.8	79.3	104.3	73.3	60.4	51.5	4.3	15.8	15325
Difference req. for sig. 5%		24.0	21.5	10.9	3.3	1.8	1.8	1.4	0.7	1826

* Gage Co. plot was compromised by stress, insects and deer

Precipitation at Grain Sorghum Test Locations



Southeast Grain Sorghum Hybrid Test

2003 - 2005

Brand	Hybrid	Grain Yield bu/a	Days to bloom	Bushel weight lb/bu	Plant height inches	Head exsertion inches	Grain moisture pct	Plant lodging rating	Seeds per pound
Two Year Average									
ASGROW	A567	122.5	76	60.2	55	3	17.3	0	14100
DEKALB Genetics	DKS54-00	118.3	76	59.0	56	5	16.4	0	14900
DEKALB GENETICS	DKS53-11	110.6	76	59.7	53	3	17.5	0	13300
AA----	UNL3014	106.9	76	59.2	65	4	16.6	0	13500
AA----	UNL3010	105.0	72	59.8	56	4	14.9	1	15400
AA----	UNL3003	103.6	74	59.7	54	4	15.6	0	14900
AA----	UNL3006	94.6	73	59.7	50	3	14.8	0	15200
AA----	UNL3016	70.9	76	57.5	54	4	16.5	3	15900
Average all entries		104.1	75	59.4	665	45	194.4	6	175800
Difference req. for sig. 5%		21.6	N.S.	1.1	3	1	1.7	N.S.	1036
Three Year Average									
DEKALB GENETICS	DKS53-11	114.1	77	60.5	51	3	16.4	0	13300
DEKALB Genetics	DKS54-00	106.9	78	57.8	53	5	18.7	0	14900
AA----	UNL3014	99.3	78	58.5	61	4	17.2	0	13500
AA----	UNL3010	96.6	75	59.5	52	3	15.0	1	15400
AA----	UNL3016	64.2	78	56.9	50	3	17.0	3	15900
Average all entries		96.2	77	58.64	53.4	3.6	16.86	1	14600
Difference req. for sig. 5%		16.1	N.S.	1.8	3	1	N.S.	N.S.	755

South Central Grain Sorghum Hybrid Test - 2005

Clay, Thayer, and Harlan Counties

Brand	Hybrid	Yield Average bu/a	Clay bu/a	Thayer bu/a	Harlan bu/a	Days to Bloom after July 1	Plant height inches	Head exsertion inches	Grain moisture pct	Plant lodging rating	Seeds per pound
DEKALB Genetics	DKS54-00	160.4	179.8	161.4	140.1	36.0	51.7	5.7	13.6	0.3	15133
DEKALB GENETICS	DKS53-11	159.5	186.9	155.8	135.7	36.0	50.7	3.7	14.4	2.3	13800
ASGROW	A567	155.9	189.0	149.3	129.4	36.0	51.0	4.0	13.6	2.0	14433
AA----	UNL3003	150.9	172.4	142.6	137.6	35.0	53.3	4.0	13.7	1.7	14800
GARST	5360	150.1	180.0	148.6	121.8	31.0	42.0	3.7	14.1	0.3	15667
AA----	UNL4010	149.5	164.5	134.5		31.0	52.0	6.0	13.3	4.0	16450
GARST	5401	148.0	167.8	136.3	139.9	31.0	54.3	5.7	14.1	3.3	16500
AA----	UNL3006	145.7	171.1	140.3	125.8	39.0	54.7	5.0	13.8	5.7	14700
AA----	UNL3036	144.5	171.9	135.0	126.5	40.0	56.7	3.7	14.0	2.7	14100
DEKALB Genetics	DKS37-07	143.4	163.3	138.4	128.5	29.0	47.0	3.0	13.6	0.3	17167
DEKALB Genetics	DKS42-20	141.6	159.2	133.6	132.1	30.0	48.3	4.0	13.0	3.3	16800
TRIUMPH	TR 465	140.8	164.1	133.6	124.7	34.0	46.3	4.0	13.8	3.3	16867
TRIUMPH	TR 442	137.2	161.1	130.6	119.8	31.0	46.3	3.7	13.2	1.7	19067
AA----	UNL3010	131.8	165.3	126.4	103.7	37.0	51.0	3.3	13.1	9.7	15633
AA----	UNL5138	124.4	138.6	110.1		28.0	42.0	6.0	13.4	0.5	19200
AA----	UNL3016	120.7	153.1	111.8	97.2	36.0	52.7	4.3	14.8	5.7	16467
TRIUMPH	TR 434	118.5	148.0	100.9	106.5	28.0	48.0	6.0	13.8	3.3	19400
AA----	UNL5038	110.7	130.2	92.7	109.2	28.0	37.0	3.0	12.2	0.3	18800
AA----	UNL5238	108.1	119.1	94.9	110.2	27.0	37.3	2.7	12.8	0.3	19933
AA----	UNL5049	104.1	130.2	88.1	94.1	27.0	40.7	4.3	12.8	0.3	18067
Average all entries		137.3	160.8	128.2	103.4	32.5	48.2	4.3	13.6	2.6	16649
Difference req. for sig. 5%		13.3	9.7	9.8	27.1	1.5	5.2	1.5	1.0	6.5	1412

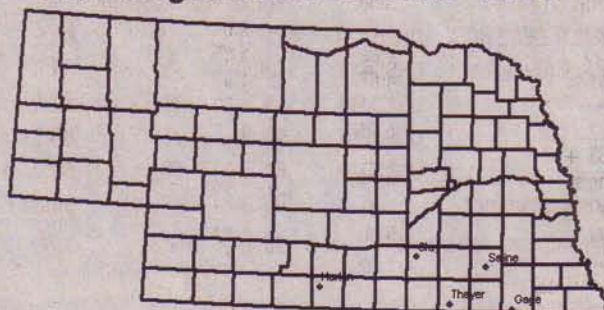
South Central Grain Sorghum Hybrid Test 2003 - 2005

Brand	Hybrid	Grain Yield bu/a	Days to bloom	Bushel weight lb/bu	Plant height inches	Head exertion inches	Grain moisture pct	Plant lodging rating	Seeds per pound
Two Year Average									
AA----	UNL3016	120.9	26	57.6	53	4	14.2	3	16800
ASGROW	A567	147.5	27	59.0	51	4	14.6	2	15000
DEKALB GENETICS	DKS53-11	146.7	27	56.2	51	4	14.7	2	15800
DEKALB Genetics	DKS42-20	139.3	21	57.4	49	4	13.5	2	18800
DEKALB Genetics	DKS54-00	146.2	26	57.3	51	6	13.6	1	16500
Average all entries		140.1	25	57.5	51	4	14.1	2	16580
Difference req. for sig. 5%		17.8	2	N.S.	1	0	N.S.	N.S.	2142
Three Year Average									
AA----	UNL3016	117.9	42	57.6	52	4	15.1	3	16800
DEKALB GENETICS	DKS53-11	144.5	42	56.2	51	4	16.1	2	15800
DEKALB Genetics	DKS42-20	129.5	36	57.4	49	4	14.5	3	18800
DEKALB Genetics	DKS54-00	133.1	41	57.3	51	5	15.0	1	16500
Average all entries		131.3	41	57.3	51	5	15.0	1	16500
Difference req. for sig. 5%		15.5	2	N.S.	1	1	N.S.	N.S.	N.S.

Longitude & Latitude 2005 Grain Sorghum Plots

County/Location	Latitude	Longitude
Gage	40.0313	-96.7594
Saline	40.4816	-97.1311
Thayer	40.0786	-97.6530
Clay	40.5797	-98.1463
Harlan	40.2272	-99.5141

Grain Sorghum Plot Locations - 2005



Alfalfa variety trial

Alfalfa variety trials are seeded annually in east central Nebraska, either at the Agricultural Research and Development Center near Mead or the UNL Agronomy Farm near Havelock. Trials are seeded every third year on a cyclical basis at the Northeast Research and Extension Center near Concord, at the Panhandle Research and Extension Center near Scottsbluff, and in the Platte Valley in Dawson county.

Plots are sprinkler irrigated at the Panhandle and East Central sites. Northeast and Dawson county sites are rainfed only although there is substantial natural subirrigation at Dawson county sites.

Herbicides usually are used at establishment but only rarely thereafter. Plots are fertilized according to UNL recommendations and generally only require phosphorus.

Harvest management of alfalfa in East Central and Panhandle plots generally is relatively intensive as would be used to achieve high quality forage, usually receiving 5 and 4 annual cuttings, respectively. Dawson county and Northeast alfalfa plots are harvested less intensively for more moderate quality alfalfa, often receiving 4 and 3 cuttings, respectively.

Trials are harvested for yield comparisons during the seeding year when weeds or other factors would not bias the results. Three full harvest years of yield comparisons are gathered when possible after the seeding year.

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NEBRASKA

2005 Alfalfa Variety Test Mead, Saunders County, Agricultural Research and Development Center Irrigated -- 2002 Seeding

Entry	Seeding Year ¹	DRY MATTER TONS/ACRE*					2003 ²	2004 ³	3-year Total
	Total	17-May	20-Jun	2005 29-Jul	05-Sep	Total			
Released Cultivars									
Dakota	5.29	1.83	1.58	1.42	1.32	6.22	8.26	9.91	24.33
Hybriforce 400	5.16	1.84	1.64	1.30	1.29	5.99	8.17	9.29	23.52
54H46	5.32	1.87	1.71	1.36	1.25	6.24	8.01	9.06	23.37
Journey Brand 204	4.88	1.88	1.40	1.28	1.23	5.71	8.31	9.36	23.24
WL 319 HQ	5.07	1.63	1.63	1.28	1.23	5.71	8.04	9.24	23.03
AmeriStand 401+Z	5.00	1.90	1.42	1.32	1.28	5.97	7.93	9.00	22.71
6420	4.74	2.04	1.54	1.38	1.36	6.34	7.71	8.64	22.67
GH750	4.89	1.85	1.47	1.19	1.21	5.68	7.91	8.94	22.58
54V54	4.87	1.86	1.44	1.26	1.28	5.88	7.95	8.63	22.54
Reward II	5.21	1.82	1.48	1.26	1.39	5.97	7.99	8.61	22.48
54H91	5.36	1.73	1.27	1.28	1.35	5.59	8.15	8.47	22.25
FEAST + EV	4.82	1.67	1.35	1.19	1.23	5.51	7.47	8.84	21.89
Wrangler	4.89	1.67	1.44	1.15	1.37	5.60	7.36	8.05	20.92
Perry	4.87	1.86	1.16	1.11	1.23	5.36	7.63	7.76	20.76
Vernal	5.30	1.83	1.49	1.16	1.21	5.64	7.09	7.88	20.61
Dawson	4.58	1.61	1.13	0.99	1.19	4.91	7.37	8.17	20.42
Experimental Strains									
DS 9809 HYB	5.21	1.97	1.70	1.40	1.41	6.58	8.58	8.94	24.03
DS 108 HYB	4.65	1.70	1.64	1.33	1.41	6.05	8.30	9.31	23.66
DS 204 HYB	4.87	1.80	1.74	1.39	1.16	6.12	7.89	9.31	23.40
DS 107 HYB	4.73	1.89	1.56	1.34	1.48	6.27	7.88	9.25	23.35
LS 103	4.86	1.74	1.67	1.36	1.35	6.11	8.14	9.09	23.31
DS 210 HYB	4.87	2.04	1.54	1.34	1.27	6.13	8.22	8.86	23.15
DS 206 HYB	4.94	1.91	1.60	1.25	1.54	6.32	8.23	8.52	23.10
ZG 9941	5.15	1.84	1.56	1.41	1.29	6.01	8.07	8.86	22.91
ZG 0146A	5.06	1.81	1.61	1.31	1.28	5.91	8.04	8.82	22.86
ZG 0152A	5.03	1.75	1.50	1.38	1.40	5.93	7.89	8.76	22.61
ZG 0044	4.58	1.90	1.49	1.37	1.41	6.01	8.03	8.64	22.59
ZG 0043	4.85	2.06	1.88	1.15	1.21	5.65	7.98	8.72	22.40
ZG 0147A	4.81	1.96	1.52	1.28	1.22	5.92	7.83	8.65	22.38
ZG 0140	4.87	2.03	1.42	1.24	1.38	5.97	7.68	8.77	22.21
ZG 0240M	4.85	1.84	1.52	1.23	1.28	5.78	7.44	8.85	22.18
ZG 0150A	4.77	2.02	1.64	1.42	1.38	6.47	7.64	8.07	22.15
ZG 0142	5.26	1.81	1.48	1.32	1.19	5.83	7.79	8.37	22.08
ZG 0240H	5.08	1.90	1.64	1.23	1.28	5.93	7.70	8.19	21.87
CK 2000	5.19	1.61	1.38	1.32	1.22	5.58	7.43	8.32	21.23
Experiment Means	4.97	1.84	1.51	1.29	1.30	5.91	7.89	8.75	22.54
CV (%)	9.75	9.34	9.15	10.78	20.20	6.98	6.25	7.04	4.67
MVC (%)	13.58	13.01	12.74	15.02	28.14	9.72	8.70	9.81	6.51
LSD (0.05)	0.67	0.24	0.19	0.19	0.37	0.57	0.69	0.86	1.47
LSD (0.25)	0.39	0.14	0.11	0.11	0.21	0.34	0.40	0.50	0.86
LSR (%)	86.31	53.28	31.83	43.90	96.27	34.34	45.77	39.90	37.49

* Variety means are LSMEANS derived from spatial variability statistical analysis for mixed models.

Therefore, year or multiple-year totals will not be the arithmetic sum of individual cuts or years, respectively.

1 = 2 cuts.

2 = 4 cuts.

3 = 5 cuts.

DESIGN: Split-block PLOT SIZE: 5 rows 3' by 12'

METHOD OF SEEDING: V-belt drill

PLANTING DATE: 4-17-02

SOIL TYPE: Sharpsburg silty clay loam

REPS: 4

NEBRASKA

2005 Alfalfa Variety Test Havelock, Lancaster County, Agronomy Research Farm Irrigated -- 2005 Seeding

Entry	Seeding Year 1				Dry Matter Tons/Acre 2005		
	Total	11-May	16-Jun	20-Jul	23-Aug	17-Oct	Total
Released Cultivars							
54V46	4.42	2.46	2.69	2.18	1.79	0.96	10.03
FSG 408 DP	4.45	2.79	2.57	2.01	1.65	0.88	9.96
FSG 351	4.61	2.58	2.55	2.04	1.80	0.95	9.94
Jade III	4.70	2.82	2.48	1.98	1.70	0.92	9.84
54Q25	4.50	2.66	2.45	1.92	1.65	0.98	9.80
6530	4.56	2.42	2.49	2.09	1.64	0.93	9.54
54H91	4.61	2.57	2.63	1.83	1.47	0.89	9.42
6400HT	4.66	2.53	2.44	1.86	1.57	0.87	9.36
Vernal	4.56	2.59	2.38	2.02	1.55	0.72	9.33
Hybriforce-420/Wet	4.79	2.59	2.25	1.79	1.62	1.00	9.28
WL 335 HQ	4.35	2.25	2.46	1.78	1.56	0.86	8.98
Wrangler	4.52	2.28	2.09	1.78	1.60	0.92	8.69
Experimental Strains							
ZG 0340A	4.66	2.43	2.45	2.00	1.62	0.90	9.37
ZG 0341A	4.05	2.27	2.35	1.89	1.63	0.98	9.23
Experiment mean	4.53	2.52	2.45	1.94	1.63	0.91	9.48
CV (%)	8.00	8.06	9.86	12.14	9.20	16.09	6.77
MCV (%)	11.43	11.51	14.08	17.33	13.13	22.98	9.67
LSD (0.05)	0.52	0.29	0.34	0.34	0.21	0.21	0.92
LSD (0.25)	0.30	0.17	0.20	0.20	0.13	0.58	0.54
LSR (%)	70.10	50.54	57.78	83.69	66.42	74.57	

68.40

1=3 cuts

DESIGN: Randomized block PLOT SIZE: 5 rows 3' by 15'

METHOD OF SEEDING: V-belt drill PLANTING DATE: 4-29-04

SOIL TYPE: Crete silt loam REPS: 4

MODEL 803/804 (8')
MODEL 1003/1004 (10')
MODEL 1204 (12')

PECK

QUALITY GRAIN HANDLING EQUIPMENT

Powered by a PTO
Shaft with Constant
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at Any Speed.Made with pride
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www.peckmfgonline.comMODEL 803/1003 uses a hydraulic motor on the
swing hopper.STANDARD equipped with hydraulic powered winch
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Lee Valley Inc.

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Pender Implement

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Bennington Equipment

Bennington, Nebr.

402-238-2211

York Equipment

York, Nebr.

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Stubbendick

Implement

Syracuse, Nebr.

402-269-2310

Central Nebraska

Implement

Spalding, Nebr.

308-497-2511

800-248-2215

Kolterman Farm

Equipment

Pierce, Nebr.

402-329-6279

NEBRASKA

2005 Alfalfa Variety Test

Scottsbluff County, Panhandle Research and Extension Center

Irrigated -- 2004 Seeding

		DRY MATTER TONS/ACRE *					
	Seeding Year ¹	2005					
Entry	Total	02-Jun	01-Jul	02-Aug	02-Sep	07-Oct	Total
Released Cultivars a							
WL 357 HQ	3.79	3.73	2.29	2.45	1.94	1.13	11.58
54V46	3.65	3.74	2.49	2.25	1.95	1.06	11.44
FSG 408 DP	3.99	4.06	2.17	2.22	1.88	1.00	11.36
FSG 351	3.92	3.71	2.38	2.30	1.81	0.92	11.11
WL 335 HQ	3.53	3.75	2.25	2.15	1.89	0.92	10.99
Jade III	3.96	3.78	2.23	2.21	1.84	0.91	10.97
6530	3.80	3.78	2.17	2.18	1.87	0.88	10.88
Hybriforce-420/Wet	3.91	3.75	2.19	2.14	1.86	0.92	10.86
54Q25	3.87	3.63	2.22	2.20	1.89	0.90	10.80
Masterpiece	3.88	3.71	2.16	2.09	1.77	0.96	10.71
6400 HT	3.89	3.96	2.10	2.16	1.68	0.70	10.60
WL 319 HQ	3.80	3.77	2.10	2.08	1.73	0.71	10.41
Wrangler	3.64	3.60	1.89	2.14	1.74	0.68	10.02
Vernal	3.67	3.44	1.89	2.02	1.57	0.70	9.70
Experimental Strains							
41M131	3.84	3.87	2.45	2.49	2.01	1.20	12.04
51M143	4.01	4.03	2.44	2.32	2.01	1.06	11.84
4A421	3.68	3.84	2.20	2.27	1.84	0.95	11.09
Experiment mean	3.81	3.77	2.21	2.22	1.84	0.92	10.96
CV (%)	5.37	6.56	8.14	6.68	5.48	13.37	4.33
MCV (%)	7.64	9.32	11.57	9.50	7.79	19.00	6.15
LSD (0.05)	0.29	0.35	0.26	0.21	0.14	0.17	0.67
LSD (0.25)	0.17	0.20	0.15	0.12	0.08	0.10	0.39
LSR (%)	59.95	56.05	42.26	45.30	32.26	33.68	28.84

*Variety means are LSMEANS derived from spatial variability statistical analysis for mixed models.

Therefore, year or multiple-year totals will not be the arithmetic sum of individual cuts or years, respectively.

¹=3 cuts

DESIGN: Randomize block

PLOT SIZE: 8 rows 4.5' by 11'

METHOD OF SEEDING: Kincaid cone drill

PLANTING DATE: 6-3-04

SOIL TYPE: Tripp fine sandy loam

REPS: 4

DO NOT REPRINT WITHOUT PERMISSION

NEBRASKA

2005 Alfalfa Variety Test

Mead, Saunders County, Agricultural Research and Development Center Irrigated -- 2003 Seeding

Entry	Seeding Year ¹ Total	DRY MATTER TONS/ACRE*						2004 ² Total	2-year Total
		16-May	14-Jun	19-Jul	2005 30-Aug	27-Oct	Total		
Released Cultivars									
WL 357 HQ	1.34	1.91	1.95	1.93	1.57	0.93	8.33	9.17	17.54
6400HT	1.50	1.98	1.66	1.70	1.58	0.96	7.89	9.35	17.30
Hybriforce-420/Wet	1.38	2.04	1.76	1.68	1.61	0.94	8.05	9.20	17.24
54V46	1.24	1.88	2.02	1.85	1.44	0.87	8.16	9.15	17.18
Phirst	1.42	2.13	1.75	1.72	1.53	0.90	8.02	8.96	16.95
Goldleaf	1.12	1.97	1.77	1.83	1.70	1.01	8.29	8.62	16.92
Jade II	1.71	2.06	1.78	1.60	1.64	0.95	7.94	9.06	16.90
6530	1.45	2.02	1.75	1.57	1.59	0.94	7.97	8.93	16.87
Prolific	1.42	2.18	1.69	1.66	1.60	0.95	8.04	8.73	16.73
Journey Brand 204	1.42	2.08	1.76	1.72	1.52	0.92	8.03	8.59	16.59
Evermore	1.25	1.96	1.74	1.47	1.68	0.99	7.86	8.74	16.56
Power 4.2	1.43	1.79	1.91	1.73	1.68	0.99	8.04	8.48	16.48
A30-06	1.42	1.94	1.59	1.65	1.41	0.85	7.47	8.81	16.23
54Q25	1.53	2.11	1.65	1.84	1.43	0.89	7.94	8.21	16.08
GH 711	1.30	1.95	1.62	1.78	1.56	0.92	7.81	8.13	15.97
Arapaho	1.28	1.90	1.70	1.61	1.50	0.90	7.66	8.20	15.84
WL 319 HQ	1.49	1.81	2.01	1.68	1.46	0.83	7.75	7.78	15.45
FSG 406	1.40	1.86	1.89	1.54	1.42	0.86	7.50	7.88	15.38
Wrangler	1.07	1.85	1.37	1.43	1.29	0.79	6.71	8.24	15.07
Vernal	1.37	1.80	1.48	1.46	1.48	0.68	6.86	7.54	14.38
Experimental Strains									
DS 307 HYB	1.30	1.99	1.89	1.73	1.67	0.99	8.20	9.37	17.70
DS 310 HYB	1.37	1.99	1.81	1.67	1.67	1.00	8.13	9.21	17.43
FSG 505	1.44	1.91	1.82	1.91	1.70	1.03	8.35	8.90	17.29
DS 313 HYB	1.30	2.16	1.60	1.67	1.51	0.91	7.86	9.24	17.02
DS 311 HYB	1.31	1.98	1.74	1.66	1.53	0.91	7.91	8.66	16.51
Americas Alfalfa Z-1	1.35	1.89	1.71	1.70	1.49	0.94	7.68	8.61	16.26
DS 304 HYB	1.29	1.96	1.81	1.84	1.46	0.88	8.00	8.20	16.23
Americas Alfalfa Z-2	1.06	2.01	1.67	1.72	1.40	0.85	7.58	7.68	15.25
GG 201	1.10	1.74	1.59	1.36	1.30	0.78	6.78	7.42	14.16
Experiment mean	1.35	1.96	1.74	1.68	1.53	0.91	7.82	8.59	16.40
CV (%)	16.03	12.76	10.86	7.37	9.60	11.98	5.42	7.85	5.27
MCV (%)	22.34	17.78	15.13	10.27	13.37	16.68	7.55	10.94	7.34
LSD (0.05)	0.30	0.35	0.26	0.17	0.20	0.15	0.59	0.94	1.20
LSD (0.25)	0.18	0.20	0.15	0.10	0.12	0.09	0.34	0.55	0.70
LSR (%)	46.13	78.71	40.75	30.25	49.93	42.70	36.03	48.36	34.00

* Variety means are LSMEANS derived from spatial variability statistical analysis for mixed models.

Therefore, year or multiple-year totals will not be the arithmetic sum of individual cuts or years, respectively.

1 = 1 cut

2 = 5 cuts.

DESIGN: Randomized block

PLOT SIZE: 5 rows 3' by 12'

METHOD OF SEEDING: V-belt drill

PLANTING DATE: 4-23-03

SOIL TYPE: Sharpsburg silty clay loam REPS: 4

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NEBRASKA 2004 Cool-Season Grass Variety Test

Mead, Saunders County, Agricultural Research and Development Center Dryland -- 2001 Seeding

Entry	***** 1	2004			Dry Matter Tons/Acre		3-year TOTAL ⁴
		29-Jun	04-Oct	TOTAL	2002 ²	2003 ³	
Late							
Oahe Intermediate Wheatgrass	1.74	0.58	0.71	3.03	4.04	6.03	13.00
Manska Pubescent Wheatgrass	1.25	0.46	0.70	2.42	5.83	4.63	12.76
Omaha Virginia Wildrye	1.35	0.64	0.99	2.98	3.41	4.87	11.20
Hakari Alaska Brome	0.64	0.87	0.84	2.35	3.80	4.47	10.43
Climax Timothy	1.00	0.82	0.82	2.63	2.21	3.66	8.46
Calibra Perennial Ryegrass	0.45	0.77	0.66	1.88	3.45	2.34	7.93
Fetione Perennial Ryegrass	0.23	0.80	0.68	1.72	3.55	2.17	7.45
Zorro Italian Ryegrass	0.00	0.00	0.00	0.00	3.56	1.07	4.63
Medium							
Hykor Festulolium	0.72	0.90	0.74	2.36	5.86	4.09	12.17
KY-31 Tall Fescue	0.90	0.80	0.61	2.32	5.25	4.17	11.66
Peak Smooth Brome	1.36	0.81	0.81	2.98	4.40	4.34	11.57
BAR FA 1004 Tall Fescue 5	0.80	0.75	0.69	2.24	5.06	3.94	11.48
Tuscany II Tall Fescue	0.78	0.64	0.64	2.06	5.34	3.66	11.29
Newhy Hybrid Wheatgrass	1.20	0.71	0.74	2.65	3.80	4.07	10.39
Jessup MaxQ Tall Fescue	0.81	0.85	0.67	2.33	4.65	3.52	10.39
Lincoln Smooth Brome 6	1.55	0.72	0.81	3.08	1.69 6	4.47	9.94
Herbie Perennial Ryegrass	0.53	0.89	0.78	2.20	4.51	2.20	8.51
Early							
Regar Meadow Brome	1.66	0.73	0.81	3.20	3.67	3.93	11.08
Montana Meadow Brome	1.28	0.65	0.76	2.69	4.37	3.07	10.64
Garrison Creeping Foxtail	0.75	0.50	0.64	1.89	2.81	3.40	8.50
Experiment mean	1.00	0.73	0.74	2.47	4.06	3.71	10.47
CV (%)	18.79	22.87	18.30	10.55	9.86	12.67	8.79
MCV (%)	26.17	31.86	25.49	14.70	26.62	17.63	12.25
LSD (0.05)	0.26	0.23	0.19	0.36	1.07	0.65	1.28
LSD (0.25)	0.15	0.14	0.11	0.21	0.63	0.38	0.75
LSR (%)	14	29	22	18	26	11	15

1 First harvest taken in 2003 and 2004 when entries reached a similar stage of maturity.

Average first harvest date: Early = 15 May, Medium = 26 May, Late = 12 June

2 4 cuts, 3 3 cuts

4 Variety means are LSMEANS so multiple-year totals may not be the arithmetic sum of individual years.

5 Experimental strain, 6 First year (2002) yield of Lincoln smooth brome were low due to poor seed germination.

DESIGN: Randomized block PLOT SIZE: 5 rows 3' by 15'

METHOD OF SEEDING: V-belt drill PLANTING DATE: 4-9-2002

SOIL TYPE: Hall very fine sandy loam REPS: 4

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NEBRASKA

2004 Orchardgrass Variety Test Mead, Saunders County, Agricultural Research and Development Center Dryland -- 2002 Seeding

Entry	Dry Matter Tons/Acre				2003 ¹	2-year TOTAL
	2004 ***** 1	30-Jun	30-Sep	TOTAL		
Late						
Pizza	0.91	0.50	0.74	2.15	4.11	6.26
Extend	0.88	0.47	0.68	2.03	4.11	6.14
Athos	0.94	0.43	0.80	2.17	3.90	6.07
Satin	0.84	0.38	0.67	1.89	4.04	5.94
Sparta	0.84	0.35	0.76	1.95	3.95	5.90
Latar	0.83	0.39	0.76	1.98	3.91	5.89
Pennlate	0.93	0.37	0.71	2.01	3.89	5.89
NE BI 4 C2 brome 3	1.70	0.26	0.74	2.70	4.71	7.41
Lincoln brome	1.67	0.29	0.76	2.72	4.63	7.35
Medium late						
OG9503 3	0.81	0.58	0.75	2.13	4.00	6.14
Intensiv	0.64	0.60	0.73	1.97	3.98	5.95
Baridana	0.62	0.38	0.68	1.68	3.85	5.53
NE BI 4 C2 brome 3	1.24	0.29	0.73	2.25	4.71	6.96
Lincoln brome	1.29	0.32	0.67	2.28	4.43	6.72
Medium						
Niva	0.61	0.55	0.80	1.96	3.72	5.68
Akaroa	0.62	0.53	0.78	1.93	3.74	5.67
Palute	0.76	0.42	0.74	1.92	3.57	5.49
Lincoln brome	1.06	0.28	0.84	2.18	3.68	5.87
Early						
Persist	1.11	0.83	0.84	2.79	3.92	6.71
OG9202 3	1.09	0.79	0.86	2.73	3.60	6.34
Mammoth	1.10	0.66	0.79	2.54	3.68	6.22
OG9705-6 3	1.03	0.58	0.80	2.41	3.73	6.14
Potomac	1.14	0.60	0.68	2.43	3.55	5.97
Ambra	0.89	0.66	0.72	2.27	3.50	5.77
Lincoln brome	1.07	0.43	0.72	2.22	3.56	5.79
Experiment mean	0.99	0.49	0.74	2.22	3.91	6.13
CV (%)	15.96	23.39	13.08	12.12	10.68	9.22
MCV (%)	22.23	32.59	18.22	16.88	14.87	12.85
LSD (0.05)	0.22	0.16	0.14	0.37	0.58	0.79
LSD (0.25)	0.13	0.09	0.08	0.22	0.34	0.46
LSR (%)	12.06	16.90	20.50	16.63	20.04	19.91

1 First harvest taken when orchardgrass entries reached a similar stage of maturity.

Average first harvest date: Early = 15 May, Medium = 24 May, Medium Late = 26 May, Late = 3 June

2 3 cuts

3 Experimental strain

DESIGN: Randomized block PLOT SIZE: 6 rows 5' by 20'

METHOD OF SEEDING: Kincaid cone drill PLANTING DATE: 9-4-01

SOIL TYPE: Sharpsburg silty clay loam REPS: 4

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NEBRASKA

2004 Cool-Season Grass Variety Test North Platte, West Central Research and Extension Center Irrigated -- 2001 Seeding

Entry	Dry Matter Tons/Acre					3-year		
	2004 ***** 1	02-Jul	06-Aug	28-Sep	TOTAL	2002 ²	2003 ²	TOTAL
Late								
Manska Pubescent Wheatgrass	3.70	0.53	1.60	1.74	7.57	6.77	7.09	21.43
Oahe Intermediate Wheatgrass	4.15	0.48	1.64	1.51	7.77	5.94	6.98	20.69
Herbie Perennial Ryegrass	1.61	0.97	1.26	1.31	5.10	5.37	5.36	15.83
Zorro Italian Ryegrass (1st year)3	0.23	1.42	1.59	1.73	4.97	4.33	5.71	15.00
Zorro Italian Ryegrass (2nd year)3	3.02	1.68	1.82	1.34	7.86			
Climax Timothy	2.65	0.23	1.09	1.16	5.13	4.01	5.72	14.86
Omaha Virginia Wildrye	2.93	0.02	0.28	0.27	3.48	4.93	5.37	13.78
Medium Late								
Newhy Hybrid Wheatgrass	4.01	1.52	1.16	1.48	8.17	6.39	7.06	21.63
Hakari Alaska Brome	3.86	0.97	1.00	1.14	6.97	6.83	5.57	19.37
Calibra Perennial Ryegrass	1.64	1.42	1.16	1.32	5.54	5.54	5.58	16.66
Fetione Perennial Ryegrass	1.83	1.22	1.04	1.23	5.32	4.86	5.10	15.28
Medium								
Hykor Festulolium	3.66	1.88	1.54	1.84	8.93	7.12	8.09	24.15
BAR FA 1004 Tall Fescue4	2.70	1.81	1.84	2.18	8.52	6.77	8.66	23.95
KY-31 Tall Fescue	3.11	1.74	1.49	1.78	8.11	7.02	7.97	23.10
Tuscany II Tall Fescue	2.77	1.68	1.35	1.72	7.52	7.31	7.64	22.46
Jessup MaxQ Tall Fescue	2.46	1.51	1.55	1.78	7.30	6.80	6.51	20.61
Peak Smooth Brome	3.06	1.74	1.28	0.90	6.98	5.73	6.74	19.45
Lincoln Smooth Brome5	3.14	1.45	0.98	1.13	6.70	4.67	6.58	17.95
Early								
Montana Meadow Brome	2.39	1.29	0.99	1.17	5.84	6.14	6.56	18.55
Garrison Creeping Foxtail	2.00	1.59	1.11	1.28	5.98	5.04	6.17	17.19
Regar Meadow Brome	2.06	1.13	1.14	1.17	5.50	4.76	6.42	16.68
Experiment mean	2.71	1.25	1.28	1.39	6.63	5.81	6.54	18.93
CV (%)					14	16	13	10
MCV (%)					20	23	19	14
LSD (0.05)					1.36	1.34	1.24	2.67
LSD (0.25)					0.79	0.78	0.72	1.55
LSR (%)					11	41	35	26

1 First harvest taken when entries reached a similar stage of maturity.

Average first harvest date: Early = 13 May, Medium = 21 May, Medium Late = 28 May, Late = 7

June

2 4 cuts

3 Zorro 1st year planted August 31, 2002; April 1, 2003; April 1, 2004. Zorro 2nd year from April 1, 2003 planting.

4 Experimental strain, 5 First year (2002) yield of Lincoln smooth brome was low due to poor seed germination.

Variety means are LSMEANS so multiple-year totals may not be the arithmetic sum of individual years.

DESIGN: Randomized block PLOT SIZE: 7 rows 5' by 20'

METHOD OF SEEDING: Kincaid cone drill PLANTING DATE: September 4, 2001

SOIL TYPE: Sharpsburg silty clay loam REPS: 4

**DO NOT REPRINT
WITHOUT PERMISSION**

NEBRASKA

2004 Orchardgrass Variety Test North Platte, West Central Research and Extension Center Irrigated -- 2002 Seeding

Entry	Seeding		Dry Matter Tons/Acre					2-year TOTAL
	Year	***** 1	01-Jul	05-Aug	04-Oct	TOTAL 2004	TOTAL 2003*	
Late								16.60
Extend	3.29	3.07	1.14	1.89	2.31	8.41	8.19	16.54
Satin	2.79	3.42	0.83	2.04	2.25	8.54	8.00	16.32
Pennlate	4.02	3.22	1.02	2.01	2.19	8.44	7.87	15.67
Pizza	3.13	3.09	0.96	1.93	1.94	7.93	7.75	15.65
Latar	3.55	2.90	1.03	2.01	2.30	8.23	7.42	15.11
Athos	3.78	2.46	0.89	1.97	2.34	7.66	7.45	14.34
Sparta	3.39	2.62	0.94	1.72	2.04	7.32	7.02	14.52
NE B1 4 C2 brome3	3.32	3.09	0.94	1.57	1.47	7.07	7.44	13.79
Lincoln Brome	3.15	3.23	0.97	1.29	1.41	6.89	6.90	16.38
Medium late								15.09
OG95033	4.06	3.23	1.12	2.12	2.27	8.74	7.64	14.67
Intensive	3.15	3.04	0.86	1.96	2.13	7.98	7.11	14.37
Baridana	2.89	2.57	0.95	1.96	2.14	7.62	7.04	13.70
NE B1 4 C2 brome3	3.32	3.23	0.87	1.39	1.35	6.84	7.53	15.30
Lincoln Brome	3.59	3.08	0.95	1.37	1.36	6.75	6.95	14.80
Medium								13.65
Paiute	3.62	2.70	1.41	1.90	2.30	8.31	6.98	13.57
Akaroa	3.67	2.47	1.31	1.94	2.30	8.01	6.79	15.49
Niva	3.01	2.10	1.15	1.88	2.18	7.31	6.33	15.14
Lincoln Brome	3.03	2.86	0.98	1.31	1.73	6.88	6.69	14.98
Early								14.80
Mammoth	3.72	2.63	1.28	1.89	2.28	8.07	7.42	14.67
OG9705-63	3.69	2.44	1.23	1.96	2.32	7.95	7.50	12.19
OG92023	3.70	2.55	1.42	2.02	2.28	8.26	6.88	14.91
Persist	3.42	2.26	1.62	1.95	2.30	8.12	6.86	10
Potomac	3.65	2.21	1.60	2.00	2.09	7.90	6.79	0.75
Ambra	3.31	2.44	1.13	1.93	2.16	7.66	7.04	1.01
Lincoln Brome	3.20	2.17	0.98	1.30	1.29	5.75	6.44	0.87
Experiment								34
Mean	3.44	2.76	1.10	1.81	2.03	7.71	7.20	
CV (%)	16					7	10	
MCV (%)	22					10	14	
LSD (0.05)	0.75					0.75	1.01	
LSD (0.25)	0.44					0.44	0.59	
LSR (%)	83					25	54	

1 First harvest taken when orchardgrass entries reached a similar stage of maturity.
Average first harvest date: Early = 16 May, Medium = 21 May, Medium Late = 26 May,
Late = 29 May

2 4 cuts 3 Experimental strain

Variety means are LSMEANS derived from spatial variability statistical analysis for mixed models.

Therefore, year or multiple-year totals will not be the arithmetic sum of individual cuts or years, respectively.

DESIGN: Randomized block PLOT SIZE: 7 rows (5 ft. by 20 ft.)
METHOD OF SEEDING: Kincaid cone drill PLANTING DATE: April 10, 2002
SOIL TYPE: Cozad silt loam REPS: 4

Description of 2005 Sunflower plots in western Nebraska and eastern Wyoming

Cheyenne County sunflower plots were planted on the High Plains Ag Lab farm, six miles north of Sidney, Nebraska. Oil and confection types were planted under irrigation, and a dryland plot was also planted. This area received slightly above average rainfall during the growing season, then a warm fall allowed crops to mature before first killing freeze on October 5. This was followed by very warm weather, and the crop dried quickly. All plots were planted with 30" row spacing.

The Cheyenne County dryland plot was direct seeded into wheat stubble on May 28.

Fertilizer: Starter of 7# N and 24# P2O5. 25# N was top dressed.
Herbicide: Roundup pre-emergence
2.7 oz. Spartan preemergence
Insecticide: Baythroid 2E June 14 for cutworms
Warrior August 10, head moth and seed weevils
Harvested: October 7

The Cheyenne County irrigated plots were planted under sprinkler irrigation. Planting was delayed by rain. The confections were planted on June 9, and the oils on June 10. The field had been planted to proso millet in 2004.

Fertilizer: Starter of 7#N and 24# P2O5. 15# N was top dressed, residual N was high.
Herbicide: 1.5 pint Treflan was incorporated preplant
Insecticide: Lorsban, June 11, for cutworms
Warrior, August 17, head moth and seed weevils
Harvested: October 9.

Perkins County dryland plot was planted in an area that suffered another year of severe drought.

The plot was planted May 24, 2005, no-till into cornstalks.

Fertilizers: 16 gal/a 20-10-2.5-2.5 at planting (N-P-K-S)
Herbicides: April 16 - 30 oz Glyphosate + 8 oz 2,4-D LV6
May 15 - 4 oz Spartan 4F
June 23 - 6 oz Volunteer
Insecticide: Lorsban 8 oz/1000 ft of row

The plot suffered from drought conditions (high temperatures and little rainfall) throughout the summer, and was not harvested.

The Wyoming irrigated plots were planted on June 22. They were planted at the new University of Wyoming station, SAREC, near Lingle.

Fertilizer: Prior to planting, 100# N + 35# P + 20# Sulfur. Row spacing was 30 inches. The crop was not mature before wet weather occurred in the late fall, and harvest was delayed. Harvested Nov 11.

Irrigated Sunflower variety trial 2005 SAREC, Lingle WY Oil Types

Brand	Hybrid	Yield Lbs/Acre	Height inches
Pioneer	64H41	2,940	72
Pioneer	Exp 05PI02	2,840	71
Pioneer	63M91	2,710	65
Interstate	Hysun 454	2,690	67
Croplan Genetics	378 DMR,HO	2,620	63
Pioneer	63M80	2,580	57
Triumph	s672	2,520	61
	AVERAGE	2,700	65
	L.S.D. (05)	n.s.	n.s.

Cheyenne Co NE Irrigated Sunflower Variety Trial 2005 Confection Types

Brand	Hybrid	YIELD LBS/ACRE	TEST WT Lbs/Bushel	HEAD August	HT inches	SEED %>22/64	SIZE %>20/64
Dahlgren & Company	D-9531	2850	19.8	11	64	34	80
Sigco	Goliath RT	2770	21.0	13	66	21	71
Dahlgren & Company	D-9530	2670	19.3	12	65	42	80
Sigco	SS3938	2630	21.5	11	61	8	41
Triumph	707CLS	2590	19.4	12	64	35	76
Royal Hybrid	04EXP02	2570	19.5	10	57	67	93
Garst	8048	2530	23.6	10	58	23	69
Mycogen	8C416	2510	19.1	11	65	27	75
Croplan Genetics	135	2480	18.8	9	59	52	86
Royal Hybrid	05EXP05	2470	20.6	11	60	13	52
Croplan Genetics	130	2400	19.6	10	62	60	81
Royal Hybrid	04EXP01	2370	21.2	10	61	6	39
Royal Hybrid	05EXP04	2340	17.9	10	58	71	92
Mycogen	8C481	2220	17.7	11	67	17	69
Triumph	777C	2190	18.5	12	63	48	87
Royal Hybrid	04EXP04	2140	18.3	10	62	52	90
Sigco	SS3638	1930	17.7	13	64	35	76
Average		2450	19.6	11	62	36	74
LSD (.05)		434	0.1	1	5	13	9

Dryland Oilseed Sunflower Nursery SAREC, Lingle WY 2005

Brand	Hybrid	Grain Yield (lb/A)	Height (in)
Pioneer	63M91	1210	40
Pioneer	63M80	1160	41
	AVERAGE	1185	40.2
	L.S.D. (05)	n.s.	n.s.

Irrigated Sunflower variety trial 2005 SAREC, Lingle WY Confection Types

Brand	Hybrid	Yield Lbs/Acre	Height inches
Royal Hybrid	05EXP05	3410	73
Triumph	777C	3250	69
Royal Hybrid	04EXP04	3150	77
Royal Hybrid	04EXP01	3120	73
Mycogen	8C416	3110	77
Royal Hybrid	05EXP04	3070	75
Royal Hybrid	04EXP02	3010	76
Mycogen	8C481	2570	74
Average		3090	74
L.S.D. (05)		n.s.	n.s.

Cheyenne Co NE Irrigated Sunflower Variety Trial 2005 Oil Types

Brand	Hybrid	Yield Lbs/Acre	Oil %	Test Weight Lbs/Bushel	Height inches
Advanta Pacific, LLC	AP561 NS	2840	36.9	25.5	59
Mycogen	8N352	2820	39.8	28.4	54
Garst	03TH004205	2800	35.8	26.7	59
Triumph	s672	2650	39.0	26.2	39
Pioneer	63M91	2620	38.8	27.2	53
Seeds 2000	Blazer	2610	38.7	26.9	50
Kaystar Seed	9501	2600	33.3	27.3	60
Mycogen	8N510	2590	35.6	25.9	54
Garst	02TH003896	2570	38.6	29.6	55
Garst	HS 454	2490	30.0	25.5	56
Pioneer	Exp 05PI02	2470	35.2	24.6	46
Garst	HS 424	2460	36.9	27.2	60
Seeds 2000	Sierra	2450	35.1	22.7	54
Seeds 2000	Barracuda	2440	39.0	27.7	61
Pioneer	63M80	2440	38.6	26.9	53
Garst	03TH004251	2430	34.2	24.3	58
Advanta Pacific, LLC	AP534 NS/CL	2390	33.5	24.8	60
Croplan Genetics	385	2370	37.2	26.2	54
Croplan Genetics	308	2360	43.0	28.0	49
Triumph	660CL	2330	35.5	23.1	64
Pioneer	64H41	2320	37.1	28.9	57
Interstate	Hysun 521	2300	35.0	27.0	49
Mycogen	7350	2270	39.2	26.2	49
Mycogen	8H419CL	2220	36.5	24.6	54
Interstate	Hysun 525	2170	33.7	25.5	51
Garst	4880 NS/CL	2170	33.9	24.1	59
Croplan Genetics	378 DMR,HO	2030	34.3	24.0	56
Average		2452	36.5	26.1	55
L.S.D. (05)		392	3.9	1.3	9

Cheyenne Co NE Dryland Sunflower Variety 2005 Oil Types

Brand	Hybrid	Yield Lbs/Acre	Oil %	Test Weight Lbs/Bushel	Height inches
Mycogen	8N352	2430	43.3	28.0	59
Mycogen	8N510	2260	38.3	25.5	58
Pioneer	63M91	2230	41.9	26.8	63
Garst	03TH004205	2210	37.2	27.3	62
Pioneer	63M80	2200	42.1	26.1	58
Interstate	Hysun 525	2150	36.4	25.5	57
Garst	HS 424	2110	38.6	25.6	61
Garst	03TH004251	2110	38.0	25.0	65
Garst	HS 454	2070	40.6	26.7	65
Mycogen	8H419CL	2060	37.6	24.5	63
Mycogen	7350	2000	39.8	25.7	56
Garst	02TH003896	1980	39.6	27.1	63
Croplan Genetics	378 DMR,HO	1950	38.3	25.0	63
Kaystar Seed	9501	1860	34.7	25.8	63
Garst	4880 NS/CL	1650	35.3	24.4	60
Average		2084	38.8	25.9	61
L.S.D. (05)		313	1.3	1.0	3.0

Two confections were planted next to this trial

			SEED SIZE %>22/64	%>20/64
Dahlgren	D-9530	2060	18.2	62
Dahlgren	D-9531	2050	18.6	63
			44	85
			42	83

Oat Variety Tests

Three spring oat variety tests were conducted in Nebraska in 2005. One was in Saunders County in eastern Nebraska and two were in Cheyenne County in western Nebraska. One of the Cheyenne County tests is rainfed and the other irrigated. Planting for all was late March. Harvest was late July for Saunders County and early August for Cheyenne County.

Cheyenne Co. Irrigated Oat Variety Test - 2005

VARIETY	Yield (bu/acre)	Test weight (lb/bu)	Height inches	Heading July
Spurs	129	31.1	31	20
Winona	122	28.5	32	17
971A9-7-4-1	117	31.0	31	17
Don	114	30.8	28	18
Rodeo	112	28.7	33	21
973A38-9-3-27	101	31.0	35	23
Jerry	97	31.2	31	21
Russell	63	28.4	32	23
Average	107	30.1	32	20
LSD .05	20	2.0	4	2

Cheyenne Co. Rainfed Oat Variety Test - 2005

VARIETY	Yield (bu/acre)	Test weight (lb/bu)	Height inches	Heading July
Rodeo	114	29.3	31	18
973A38-9-3-27	103	30.9	30	19
Spurs	102	31.9	29	16
Don	100	29.1	27	15
Jerry	99	30.1	32	18
Winona	93	30.5	29	16
971A9-7-4-1	87	31.3	27	16
Russell	84	29.0	32	21
Average	98	30.3	30	17
LSD .05	16	2.2	5	1

Saunders Co. Oat Variety Test - 2005

VARIETY	Yield (bu/acre)	Test weight (lb/bu)	Lodging pct	Height inches
Rodeo	135	31.5	9	39
Winona	121	34.2	11	36
971A9-7-4-1	121	34.3	8	38
973A38-9-3-27	110	31.8	0	38
Don	109	34.7	54	35
Spurs	102	34.7	18	35
Jerry	101	35.6	0	41
Oak Creek	89	32.3	0	36
Average	111	33.6	13	37
LSD .05	20	1.4	25	2

Seed Guide 2006

2005 Proso Millet Trials

This is the fourth year in which experimental waxy lines have been tested along with the common millet varieties. Several of these waxy lines have exhibited yield comparable to the checks for two years running. Plateau is one of these, release is pending. It was tested as 172-2-9.

What is 'Waxy'?

Most starch (in wheat, corn, barley, etc) is composed of around 75% amylopectin and around 25% amylose. Waxy starch is essentially amylose free. What does this mean? Well, waxy starch has many applications in food and industrial use, but for proso it means that the cooked product is sticky and easily eaten with chopsticks. Whereas most proso is now used in birdseed production, or for animal feed, we hope that the introduction of lines with the waxy trait has the potential to expand the market for proso as human food, primarily for export to Asian markets.

Plot Techniques

Four proso trials were planted in 2005. Dryland trials were planted at the University of Nebraska High Plains Agricultural Lab near Sidney, NE; the Sustainable Agricultural Research and Extension Center near Lingle, WY; on the Larry Novotny farm near Martin, South Dakota; and at the USDA Central Great Plains Research Center near Akron, CO. Somewhat normal rainfall returned to the region this year. The rains at Sidney and Martin were timely, and yields were high. Harvest at the Torrington location was delayed by wet weather.

Plots were seeded with small plot drills, in various configurations according to the equipment available at that location. Dryland plots were seeded at the rate of 15 lbs/acre. Four replications were planted at each location.

Location Harvest Date

Akron, CO
9-22-2005
Martin SD
9-13-2005
Sidney, NE
9-8-2005
Torrington, WY
10-3-2005

Planting Date Row spacing

6-8-2005
12 inches
5-27-2005
8 inches
6-8-2005
8 inches
6-20-2005
10 inches

TRIALS 2005

SIDNEY NE				MARTIN SD				LINGLE WY
YIELD	TEST WT	HT	Seed Weight	YIELD	TEST WT	HT	Seed Weight	YIELD
Lbs/Acre	Lbs/bu	Inches	(milligrams)	Lbs/Acre	Lbs/bu	Inches	(milligrams)	Lbs/Acre
4350	58.3	45	6.2	2960	56.3	49	6.2	880
4210	59.3	45	6.2	2380	56.9	39	6.0	850
4260	61.0	42	6.5	2980	59.6	42	6.8	680
4040	60.1	37	6.7	3180	58.7	35	6.7	840
4290	60.2	39	6.6	2930	58.8	35	6.6	810
4350	61.2	39	6.7	2640	59.4	33	6.6	960
3970	57.0	40	5.8	2820	55.5	40	5.8	580
4030	59.5	40	6.5	2410	59.7	41	6.9	810
4520	58.8	38	5.9	2370	55.3	34	5.9	470
4040	59.5	43	5.5	2520	57.1	40	5.6	640
4090	58.8	41	5.8	2410	58.0	46	5.9	790
4280	60.1	39	6.7	1980	59.5	31	6.7	740
3640	59.2	40	5.4	2570	58.9	41	5.5	720
3490	57.7	27	5.6	2680	57.0	29	5.5	600
2660	58.0	42	5.9	2010	55.1	40	6.3	700
2940	56.4	24	5.4	1660	52.4	42	5.7	410
2210	55.5	24	5.2	2000	56.0	26	5.1	780
3872	58.9	38	6.0	2500	57.3	38	6.1	720
379	0.6	4	0.2	N.S.	2.6	11	0.3	N.S.

Foxtail Millet Grain Yield

Sidney Nebraska			South Dakota			Akron Colorado		Wyoming	
Grain Yield	BUSHEL WT		Grain Yield	BUSHEL WT	Plant height	Grain Yield	BUSHEL WT	Plant height	Grain Yield
pounds/acre	lb/bu		pounds/acre	lb/bu	inches	pounds/acre	lb/bu	inches	pounds/acre
AxB-99	3168	58.3	3562	57.0	40	1170	54.3	30	898
AxC-86	3021	55.7	2301	53.0	39	1421	50.2	27	1233
BxC-14	3564	58.1	2601	56.0	41	1430	52.1	28	1107
BxC-16	3630	56.9	2907	53.7	37	1303	53.6	24	825
BxF-11	4026	57.8	3699	55.8	43	1638	54.3	27	1179
CxF-08	3498	55.6	3492	55.6	45	1147	52.8	29	1086
DxB-11	3564	57.6	3134	55.1	41	1531	53.7	26	784
BxD-29	3234	57.4	2968	53.5	44	1542	54.8	28	1137
GxF-04	3630	57.6	3021	54.3	42	1569	53.6	30	931
GxF-05	3652	56.4	3194	54.2	43	1545	51.7	31	880
White Wonder	3234	53.9	2819	50.3	52	1030	40.7	37	485
A (N-Si-1)	2787	54.6	2336	52.5	50	1123	51.2	36	537
B (N-Si-2)	3212	58.7	3292	59.0	45	1307	56.8	32	799
C (N-Si-3)	3234	57.0	2394	54.0	34	1258	53.1	23	809
Red Siberian	3388	57.9	3066	57.2	40	1507	53.5	28	1169
E (N-Si-4)	2508	56.7	2279	54.7	49	1213	52.5	36	840
Golden German	3102	56.3	2855	51.1	49	1653	51.7	31	704
G (N-Si-5)	3278	55.4	2780	54.5	41	1241	53.0	34	832
Manta	3410	57.7	3168	56.7	43	1315	54.6	30	944
Snow Fox	3300	59.1	3083	56.9	38	1531	54.6	29	908
Average	3322	56.9	2948	54.8	43	1374	52.6	30	904
LSD .05	684	1.3	648	3.1	4	341	3.1	10	586

ENTRY.	Dry Matter Yield Lbs/Acre	Dry Matter %	HT Inches
BxF-10	5940	32	39
Golden German	5930	29	40
White Wonder	4960	25	42
BxF-13	4850	34	37
CxF-08	4760	34	37
CxF-07	4660	29	37
Snow Fox	4660	35	35
Red Siberian	4600	34	34
DxB-30	4540	32	38
BxF-09	4480	33	28
B (N-Si-2)	4410	37	34
A (N-Si-1)	4330	34	37
DxG-05	4270	31	37
Birdcage	4200	32	30
Manta	4120	36	31
E (N-Si-4)	4060	34	28
G (N-Si-5)	4020	31	34
C (N-Si-3)	3800	32	28
Average	4590	32	35
LSD (.05)	940	2	4

IRRIGATED CHICKPEAS 2005

ENTRY	AVERAGE THREE TESTS			SCOTT'S BLUFF			BOX BUTTE			SIDNEY
	YIELD Lbs/Acre	Ascochyta 1-5	Seed Weight (milligrams)	YIELD Lbs/Acre	Ascochyta 1-5	Seed Weight (milligrams)	YIELD Lbs/Acre	Ascochyta 1-5	Seed Weight (milligrams)	YIELD Lbs/Acre
CA0090B347C	1310	2.7	430	1740	3.0	380	1880	2.4	470	320
PI Bulk	1190	2.4	260	1470	2.5	260	1760	2.3	270	360
PI 17256	1100	1.9	380	1470	1.5	350	1630	2.3	400	210
CA9990B1579C	1060	2.8	480	1470	3.3	410	1540	2.3	550	170
B90	980	2.2	270	1160	2.4	250	1620	2.0	280	170
Sierra	960	2.7	470	1350	3.3	390	1360	2.1	540	170
Wy 202	880	3.4	200	860	4.1	190	1650	2.6	220	130
Dwellely	790	2.4	430	760	3.3	340	1520	1.5	520	80
CA0190B839C	750	2.1	450	880	2.8	390	1280	1.5	520	90
CA9783163C	710	2.6	430	640	4.0	320	1410	1.1	540	80
CA9990I604C	690	3.0	460	780	3.8	340	1200	2.3	570	80
Wy 201	670	3.6	200	730	4.4	200	1170	2.9	200	110
CA0090B015W	640	3.0	410	500	4.1	280	1330	1.9	540	80
Wy 203	630	3.5	390	600	4.3	320	1200	2.8	460	80
CA9890233W	580	2.6	450	430	3.5	320	1190	1.8	570	110
CA0090I875W	490	2.5	430	290	3.3	280	1010	1.8	580	150
Average	840	2.7	380	950	3.3	320	1420	2.1	450	150
LSD (.05)				380	1.0	30	300	0.7	20	60

ENTRY	Dry Matter Yield Lbs/Acre	
EverLeaf 126 (oat)	8890	planted 4-18-05
Forager & EverLeaf 126	8220	Sprinkler irrigated
NET 3 (trit)	8050	Sidney NE
Trical 2700 (trit)	7680	Previous crop: Sunflowers
NET 7 (trit)	7670	Fertilizer 24#N, 25#P2O5,
	16# S	
Forager & EverLeaf 114	7410	Harvested July 6 - 11
EverLeaf 114 (oat)	7320	
Sam's Succotash	7290	
Journey & Trical 2700	7150	
NET 2 (trit)	7150	
Sam's Super Succotash	7040	
SW 881529 (oat)	6970	
Forager & Jerry	6950	
Forager & Trical 2700	6910	
NET 5 (trit)	6850	
NET 1 (trit)	6760	
NET 6 (trit)	6710	
Forager & NET 5	6690	
NET 4 (trit)	6630	
Haybet (Barley)	6590	
Jerry (oat)	6590	
RSI 167767-1 (trit)	6560	
TOP II Forage mix	6480	
Arvika & Trical 2700	6470	
Forager & NET 4	6180	
Forager & NET 6	6170	
Forager & RSI 167767-1	6170	
Forager & NET 3	6150	
Forager & NET 2	6030	
Forager & NET 7	5980	
RSI 60042 (trit)	5510	
Forager & NET 1	5470	
Forager & SW 881529	5460	
Forager & Haybet	5330	
Forager & RSI 60042	5270	
RSI Beardless Blend	4670	
Arvika (pea)	4600	
Forager (pea)	4580	
Forager & RSI 60047	4580	
Journey (pea)	4510	
RSI 60047 (trit)	4420	
Forager & RSI Blend	4250	
Average	6342	
LSD (.05)	971	

CROP ENTRIES

PEAS

Journey
Arvika
Forager

OATS

Everleaf 114
Everleaf 126
Jerry
SW 881529

PEA and CEREAL MIX

TOP II Forage mix
Succotash
Super Succotash

BARLEY

Haybet

TRITICALE

Trical 2700
NET 1
NET 2
NET 3
NET 4
NET 5
NET 6
NET 7
RSI 167767-1
RSI 60047
RSI 60042
*NET numbers are
Nebraska experimental lines

Triticale + wheat
RSI Beardless Blend

Box Butte Co NE Irrigated Barley 2005

	YIELD	TEST WT	LODGING	HT	> 6/64	< 5/64	PROTEIN
	Bu /Acre	Lbs/bushel	%	Inches	Plump	Thin	
Legacy + Gaucho	104	46.8	0	32	90	3	14.9
Burton	100	46.9	0	26	88	3	15.0
96RWA1222 (ID 6-Row)	99	45.6	0	28	93	2	14.9
96RWA1211 (ID 6-Row)	97	46.8	0	30	95	1	15.0
Robust	91	47.7	0	31	94	1	15.6
Drummond	90	46.7	0	29	95	1	15.1
Lacey	83	46.8	0	27	95	1	15.8
Conlon	83	46.5	0	28	97	2	16.4
Harrington	74	44.6	0	27	93	2	17.2
Average	91	46.5	0	27	93	1.8	15.5
LSD (.05)	14	0.9		2.4			

Dan Laursen farm
Conventional tillage
Previous crop was grass seed
30 #N through sprinkler

Chickpea is another alternative crop that has worked in the Nebraska panhandle. Five trials were planted in 2005. Seed sources were local producers, the chickpea program at Washington State, and USDA Plant Introduction.

An irrigated trial was planted at the Panhandle Research and Extension Center at Scottsbluff. Rainfed and irrigated trials were planted on the Watson farm near Berea in Box Butte County, and also at the University of Nebraska High Plains Ag Lab near Sidney. The Sidney trials were badly infected with ascochyta, and yielded poorly. They were planted on May 4 and harvested August 30. No fertilizer was used. Herbicides were Spartan and Select. Headline was applied to treat the ascochyta, but apparently too late to help the irrigated trial.

At the Watson farm, the plots were planted on May 6. Both plots were direct seeded into corn stubble. 20# P2O5 and 3# N were applied with the seed. Spartan and Pursuit were applied to both trials. They were also treated with Headline fungicide. These plots were harvested September 20. The Scottsbluff plot was planted May 5 and harvested September 1. No fertilizer was added, and Spartan was the herbicide. No fungicide was applied.

Ascochyta infection ratings were taken on these plots. Evaluation numbers are as follows:

- 1= No visible disease symptoms
- 2= Approximately 5% of the leaf surface is covered with few small lesions
- 3= Approximately 10% of the leaf area is covered by small lesions that are beginning to coalesce
- 4= Approximately 25% of the leaf surface is covered with medium and large lesions
- 5= More than 50% of the leaf surface area is covered with large coalescing lesion

Sidney NE Irrigated Barley 2005

	YIELD Bu /acre	TEST WT Lbs/bushel	LODGING %	HT Inches	Head date June
01ST1587	88	47.9	39	33	20
Baronesse + Gaucho	87	47.0	38	32	20
01ST1655	87	47.1	48	31	21
01ST1514	85	47.7	53	34	20
Drummond	84	46.0	40	35	18
Burton	83	45.6	40	35	21
96RWA1211	82	45.3	23	34	19
Lacey	81	46.1	25	32	19
Baronesse	81	46.3	40	32	21
01ST1750	80	46.5	58	34	20
01ST1758	80	46.5	63	32	20
Legacy + Gaucho	79	45.7	73	36	18
01ST1677	79	45.9	40	31	20
01ST1615	78	47.6	48	32	20
Conlon	78	46.6	30	35	16
Robust	75	44.7	58	37	17
Harrington	70	45.3	8	30	22
98BX28-58B (Xeris)	68	46.7	71	34	17
96RWA1222	66	41.9	55	30	19
98BX27-132(Stoneham)	62	46.1	94	33	14
Otis + Gaucho	60	43.1	88	31	19
Otis	58	43.1	95	33	18
98BX28-44B (Sidney)	54	44.1	88	33	18
Average	76	45.8	53	33	19
LSD (.05)	12	1.9	37	3	2

Planted March 28 High Plains Ag lab Conventional tillage Sprinkler irrigated
Previous crop canola 35# N (32-0-0) topdress Herbicide 1 oz AIM Harvest
July 22. This had a moderate infestation of Russian wheat aphids
Sprayed with Lorsban

Baronesse + Gaucho	79	46.9	15	30	19	44
01ST1514	77	47.3	5	30	20	82
01ST1615	74	47.4	8	30	20	16
01ST1587	71	47.1	8	31	20	27
01ST1655	71	46.2	8	30	20	69
01ST1758	71	45.7	5	29	20	44
01ST1750	70	45.9	8	30	20	17
Burton	69	45.0	10	31	23	42
01ST1677	63	45.8	10	30	20	30
98BX28-58B (Xeris)	59	45.2	78	34	17	54
98BX27-132(Stoneham)	58	44.9	88	32	15	70
Baronesse	56	45.6	3	29	21	330
Otis + Gaucho	48	43.2	80	27	21	98
Otis	41	42.0	63	28	21	150
98BX28-44B (Sidney)	41	44.1	65	30	20	60
Conlon	36	43.0	10	31	19	226
Average	62	45.3	29	30	20	85
LSD (.05)	8	0.7	16	3	2	106

Planted March 17 High Plains Ag lab. Direct seeded into sunflower stubble. 40# N (32-0-0) topdress. Herbicide 1 oz AIM. Harvest July 28. This had a moderate infestation of Russian wheat aphids. Was not sprayed.

Cheyenne Co NE Dryland Amaranth Variety Trial 2005

	Yield Lbs/Acre	Height Inches	Lodging %	
F 20	1510	59	37	
B 223	1400	60	3	
F 4	1380	63	27	
DB 13	1360	64	33	planted June 10
B 222	1360	62	20	High Plains Ag Lab 6 miles north of Sidney NE
DB 6	1350	60	17	direct seeded into sunflower stalks
CINN E.HEAD	1310	58	13	area was treated with roundup before planting
F 57	1310	62	13	no other herbicide or fertilizer
DB 8	1310	54	30	Was mostly mature when killed by freeze 6
B 226	1310	47	17	Harvested October 13
PI 4	1300	58	17	
K593	1280	59	17	
DB 1	1260	58	7	
DB 5	1230	60	20	
DB 14	1200	59	7	
DB 12	1190	60	27	
DB 7	1180	60	27	
PLAINSMAN	1180	62	23	
98 IRRI POP	1170	59	17	
K432	1130	61	33	
F79	1110	56	27	
B 224	1030	71	27	
DB 10	1030	59	17	
DB 9	1020	62	10	
K433	1000	61	17	
PI 9	970	59	20	
TAN E. HEAD	970	60	17	
98 Dry POP	920	60	10	
A1	920	61	13	
F 52	910	52	53	
F 36	890	53	47	
RED STEM	880	58	63	
PI 16	870	56	33	
F 108	850	62	20	
F 62	840	62	30	
AVERAGE	1140	59	23	
L.S.D. (.05)	422	4	n.s.	

killed out by unusually low temperatures just after emergence. The irrigated trial at that same area had been watered and was not as susceptible, and suffered moderate stand loss.

The rainfed Sidney plot was planted on April 4, and harvested August 3.

The irrigated Sidney plot was planted April 18, and harvested August 8.

The Box Butte irrigated and rainfed plots were planted on April 7, and the irrigated plot was harvested August 8.

SPRING WHEAT UNIFORM REGIONAL NURSERY 2005 SIDNEY, NEBRASKA - Irrigated

	YIELD BU/ACRE	TEST WT LBS/BUSHEL	HT Inches	
NE 108-46	30	48.0	25	
MN00261-4	30	51.3	28	
SD3687	29	46.6	29	
Verde	29	48.1	26	
MN02072	29	52.1	29	Planted 3-28-05
NE 188-24	28	42.6	25	High Plains Ag lab
Oxen	27	46.2	27	Conventional tillage
98S0113-20	27	52.0	26	Sprinkler irrigated
ND03/1-15	27	48.2	30	Previous crop canola
Reeder	26	51.3	26	35# N (32-0-0) topdress
SD3854	26	51.1	28	Herbicide 1 oz AIM
SD3851	26	51.7	31	Harvest August 6
CA-904-743	26	51.6	25	
ND04/3-18	25	50.1	28	This plot was badly infected with wheat streak mosaic
NDSW0348	25	45.3	28	
ND03/1-9	24	48.4	32	
Keene	24	48.6	32	
ND03/1-13	23	48.3	30	
SD3870	23	48.6	28	
SD3868	23	48.4	28	
MT 0266	23	47.5	30	
BW367	23	46.6	28	
Forge	22	48.2	32	
98S0127-06	22	47.0	27	
Hanna	22	49.8	30	
BW361	22	47.3	27	
CA-904-742	22	52.7	29	
99S0006-2	21	47.7	28	
2375	21	49.7	27	
NE 106-4	21	46.6	26	
MN01311-A	21	50.4	29	
NE 126-4	21	48.6	31	
00H04*J3	20	49.4	28	
MT 0245	20	45.6	25	
WA007957*	20	47.9	29	
NDSW0350	20	45.9	27	
CA-904-741*	20	44.5	21	
MN01333-A	20	47.4	29	
NE 126-5	19	46.4	27	
MN02252-A	18	46.9	26	
97S0254-8-1	18	48.4	26	
Chris	18	48.8	29	
NE 126-35	17	46.7	25	
ND04/3-19	17	45.4	26	
99S0051-3-1	17	47.6	24	
Outlook	17	45.3	23	
Marquis	12	46.1	31	
BW364	12	43.0	30	
Russ	11	42.9	28	
BZ-999-592	10	47.2	25	
Average	22	47.9	28	
LSD (.05)	4	1.6	5	
*white				

Scottsbluff NE Irrigated Spring Wheat Trial 2005

ENTRY	YIELD Bu/Acre	TEST WT Lbs/Bushel	HT Inches
SD3870	90	59.3	33
SD3927	83	59.6	30
NE188-24	83	57.2	28
SD3868	79	58.5	32
NE108-46	78	57.6	28
OXEN	77	57.1	29
SD3900	76	57.1	34
NE126-4	74	59.0	27
SD3897	73	57.5	33
GRANGER	73	58.3	33
SD3687	73	56.7	34
SD3931	73	58.7	33
SD3860	73	58.0	32
SD3879	73	57.8	32
NE-126-5	72	57.3	30
SD3854	71	60.7	33
SD3875	71	59.5	34
SD3920	71	60.4	30
SD3910	71	56.3	30
SD3937	69	59.4	33
SD3851	68	60.6	32
SD3909	68	58.9	28
REEDER	68	58.8	31
BRIGGS	68	59.7	31
NE126-35	67	59.4	28
SD3938	67	58.3	29
FORGE	67	59.4	32
SD3934	66	60.1	32
SD3899	66	57.2	31
Hanna	65	60.2	34
KNUDSON	65	59.8	31
RUSS	65	57.5	32
ALSEN	62	59.1	28
SD3911	62	61.2	30
SD3936	61	58.1	29
Outlook	61	57.7	28
SD3882	61	58.6	31
SD3889	60	57.4	33
SD3902	60	58.4	34
SD3888	59	58.3	32
STEELE-ND	59	58.5	32
WALWORTH	56	58.2	29
SD3880	54	58.8	30
SD3907	52	59.1	28
NE106-4	52	57.3	28
Average	68	58.6	31
LSD (.05)	15	0.8	3

Planted April 13
Panhandle Research &
Extension Center, Scottsbluff
Sprinkler irrigated
Harvest August 8

Sidney NE Dryland Spring Wheat Trial 2005

ENTRY	YIELD
Bu/Acre	
Briggs	21
NE 108-46	19
NE 188-24	18
Reeder	18
Hanna	17
Oxen	15
Forge	14
NE 126-5	14
NE 126-4	12
Outlook	12
NE 126-35	11
NE 106-4	10
Russ	8
Average	15
LSD (.05)	3

Planted March 19
Direct-seeded into sunflower stubble
High Plains Ag Lab
40# N (32-0-0) topdress
Herbicide 2-4,D
Harvest August 7

This plot was badly infected
with wheat streak mosaic

Seed Guide 2006

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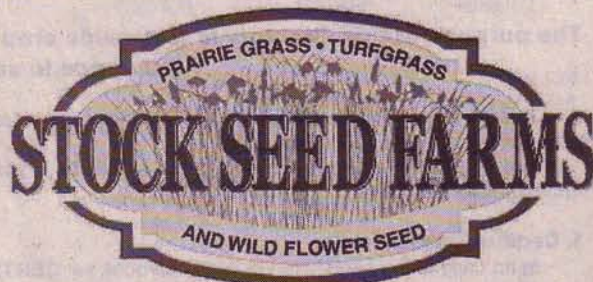
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<http://www.unl.edu/ncia>

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

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

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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.

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Alfalfa	Wrangler				
Beans - Edible	Chase Pinto	Weihing GN			
Millet - Proso	Dawn	Earlybird	Huntsman	Sunrise	
Millet - Foxtail	Golden German	White Wonder			
Oats - Spring	Don Settler	Jerry	Ogle	Riser	Rodeo
Soybeans	NE1900 NE2802	NE3202	NE3303	NE3399	NE3402
Soybeans - Specialty	U95-3813SS U96-1612 U96-2811	U96-2825SS U96-2831 U96-2906	U97-207209 U97-207211 U97-207647	U97-208043 U97-3506	U97-304539 U97-305646
Wheat - HRW	Alliance Arapahoe Buckskin Centura	Cougar Culver Goodstreak	Harry Karl 92 Millennium	Niobrara Pronghorn Scout 66	Wahoo Wesley 2137
Wheat - HWW	Antelope	Arrowsmith			
Grasses - Cool Season	NEAC2 crested wheatgrass Beefmaker intermediate wheatgrass		NET11 intermediate wheatgrass Manska pubescent wheatgrass		
Grasses - Warm Season	Champ big bluestem Pawnee big bluestem Camper little bluestem Trailway sideoats grama		Pathfinder switchgrass Shawnee switchgrass Trailblazer switchgrass		

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

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



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- 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.

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.

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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	35

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	ACRES
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 a late maturing grass and heads in late July to early August. It is a widely adapted, typical big bluestem of the central prairies.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Cass	Harvey R. Mills	Murdock	402-867-2956	14
	Stock Seed Farm	Murdock	402-867-3771	30
Custer	Arrow Seed Company	Broken Bow	308-872-6826	23
Lancaster	Miller Seed Company	Lincoln	402-438-1232	6

ROUNTREE — Rountree was 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	ACRES
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.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Cass	Harvey R. Mills Stock Seed Farm	Murdock Murdock	402-867-2956 402-867-3771	5 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	ACRES
Cass	Harvey R. Mills Stock Seed Farm	Murdock Murdock	402-867-2956 402-867-3771	7 28
Lancaster	Miller Seed Company	Lincoln	402-438-1232	10

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	ACRES
Cass	Harvey R. Mills Stock Seed Farm	Murdock Murdock	402-867-2956 402-867-3771	30 118
Custer	Arrow Seed Company	Broken Bow	308-872-6826	50
Lancaster	Miller Seed Company	Lincoln	402-438-1232	13

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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	18

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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	68

Smooth Brome is an introduced cool-season, sod-forming grass which produces abundant forage in the spring and late summer for hay and pasture. It is very palatable until mature and is widely adapted to eastern and central Nebraska and responds to intensive management practices. It is an early maturing grass and has moderate tolerance to drought and grazing.

LINCOLN – Lincoln was developed by Nebraska and the USDA-ARS from selections made in long established fields derived from seed of Hungarian origin. It has good seedling vigor and high forage yield under favorable conditions. It is easily established on critical planting sites.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Knox	Condon Farms Inc.	Creighton	402-358-3506	121

Blue Grama is a major warm-season grass found throughout the Great Plains. Plants are fairly short, reaching 10 to 20 inches with narrow basal leaves of 3 to 6 inches. Blue Grama grows in definite bunches and reproduces by tillering and by seed. It grows on a wide range of soils and is well adapted to clayey, rolling, and upland soils. Blue grama demonstrated good drought, fair salinity, and moderate alkalinity tolerance. Forage value is considered good to excellent.

BAD RIVER – Bad River Ecotype is a selection from a native collection harvested in 1988 from the floodplains of the Bad River near Philip in Central South Dakota. USDA/NRCS in addition to the North Dakota Ag Experiment Station, South Dakota Ag Experiment Station and the North Dakota Association of Conservation Districts cooperated in the source identified release in 1995 by the Plant Material Center, Bismark, ND. Plants range in height from 10-25 inches tall, and the seed head resembles a human eyebrow. The plant is a native, perennial, warm season bunchgrass. Leaves are mostly basal and curling. Leaf ligules are hairy. The area of adaptation is the Dakotas, the surrounding states, and the southern bordering provinces of Canada.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	15

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	ACRES
Cass	Harvey R. Mills	Murdock	402-867-2956	26
	Stock Seed Farm	Murdock	402-867-3771	28
Custer	Arrow Seed Company	Broken Bow	308-872-6826	23
Saunders	Kubik Seed Sales	Prague	402-663-4379	2

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	ACRES
Cass	Harvey R. Mills	Murdock	402-867-2956	15
	Stock Seed Farm	Murdock	402-867-3771	15

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	ACRES
Cass	Stock Seed Farm	Murdock	402-867-3771	30
Custer	Arrow Seed Company	Broken Bow	308-872-6826	13

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	ACRES
Cass	Stock Seed Farm	Murdock	402-867-3771	18
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	ACRES
Cass	Stock Seed Farm	Murdock	402-867-3771	37
Lancaster	Miller Seed Company	Lincoln	402-438-1232	23

Indian Ricegrass is a native warm-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	ACRES
Scotts Bluff	Carl Thomas	Morrill	308-247-2096	16

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	ACRES
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 Service. 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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	14
Lancaster	Miller Seed Company	Lincoln	402-438-1232	15
Morrill	Laux Seed Farm	Bridgeport	308-262-0512	9

PATHFINDER – Pathfinder is a synthetic variety developed by Nebraska and the USDA-ARS from native ecotypes collected in Nebraska and Kansas. It is a late maturing grass selected for plant vigor, leafiness, and superior forage performance.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	17

SHAWNEE – Shawnee is a late maturing upland type developed by Nebraska and USDA-ARS. It was developed through a single cycle of restricted, stratified mass selection using the cultivar "Cave-in-Rock" as the base population. It was released for its improved forage quality in comparison to Cave-Rock and improved forage yield in comparison to Trailblazer. It was named after the Shawnee National Forest in Illinois near where the germplasm for the cultivar was originally collected. It is adapted to USDA Plant Hardiness Zones 5, 6, 7.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	5

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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	35
Saline	Ronald Vlasin	Crete	402-826-3422	25
Saunders	Kubik Seed Sales	Prague	402-663-4379	4

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	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	14

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 Mexico, from a selection found near Arriba, Colorado.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Box Butte	Dan Laursen	Alliance	308-487-5541	18

BARTON – Barton seed was collected along clay bottomlands in Kansas. It is a strongly rhizomatous leafy type, shows little evidence of rust problems, and is superior in seed production. Its intended use is for pasture and seed production.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Custer	Arrow Seed Company	Broken Bow	308-872-6826	10

Canada Wildrye is a cool-season, native grass that prefers moist sites. This perennial bunch grass has very good seedling vigor and early spring growth, which makes it easy to establish and cover ground rapidly. It also has some shade tolerance and will grow in sandy soil. The seed head is a nodding spike that matures in July. Canada wildrye leaf blades are flat with a rough upper surface and finely toothed margins. It makes a good companion in a prairie mixture. The plant has ornamental value and the dried seed heads look great in flower arrangements.

MANDAN — Mandan wildrye is shorter and is more leafy than ordinary Canada wildrye. It has a longer useful life than many strains and has the ability to withstand grazing over a period of several years. It is easily established and with its rapid grow can produce high forage yields. Mandan can be grown over a wide geographical area. It is susceptible to rust but is more resistant than other strains. It was developed at the Northern Great Plains Field Station from a mass selection collected on upland near Mandan, North Dakota.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Saunders	Kubik Seed Sales	Prague	402-663-4379	5

TURFGRASSES

Kentucky Bluegrass is a long-lived, sod-forming, cool-season perennial grass which reproduces by seed and spreads vegetatively by rhizomes. It is widely used for medium to high maintenance turfgrass areas. It may be established by seed or sod. Kentucky bluegrass is most suited to fertile, well-drained, medium-textured soils. It prefers full sunlight but can stand partial shade. Kentucky bluegrass has a fibrous shallow root system and is susceptible to drought and high temperature stress. Wear tolerance is medium to good with good ability to recover. Without mowing, plants are moderately short to medium height (2-3 feet). Cultivars (varieties) may be grouped into "types" by the differences in texture, color, shoot density, growth habit, disease resistance, adaptation, and cultural requirements.

PVP BRILLIANT — Brilliant is an American-type with outstanding turf quality and top-rated bluegrass drought and disease tolerance. It is a very uniform, upright dense turf with a bright, dark green color and performs well in a wide range of well-drained soils, pH range of 5.5 to 7.5. It tolerates mowing heights to 0.5" and is ideal for all bluegrass applications, including sod production and sports turf. U.S. Protected Variety (PVPA 1994). Certificate No. 9900350.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
	Turf-Seed Inc.	Hubbard, OR	503-651-2130	

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 through 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	ACRES
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	ACRES
Cass	Stock Seed Farm	Murdock	402-867-3771	
Custer	Arrow Seed Company	Broken Bow	308-872-6826	

TURFGRASS SOD

The following Nebraska sod producers are voluntarily using the sod certification process on selected fields in 2005 to assure their customers that extra care has been taken to provide a premium quality turfgrass sod.

KENTUCKY BLUEGRASS BLENDS (Choice of Residential or Sports/Industrial Uses)

COUNTY	PRODUCER	TOWN	TELEPHONE	ACRES
Hall	Mettenbrink Farms	Grand Island	308-382-8828	52

SOYBEANS

To compare variety performance, see the current edition of Extension Circular 104, Nebraska Soybean Variety Tests which is available at all Nebraska Cooperative Extension Offices. It may also be accessed via the World Wide Web at <http://ianrwww.unl.edu/ianr/agronomy/varitest2.htm>. The most reliable comparisons are those based on average performance across multiple years and multiple locations.

NE1900 – NE1900 is a late Maturity Group I indeterminate variety. In the 1997 and 1998 uniform regional test, NE 1900 was the highest yielding entry. NE1900 is 3 days earlier than IA2021 with similar plant height and slightly higher lodging score. It is susceptible to brown stem rot and Phytophthora root rot.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Clay	Darrel Wehnes & Sons	Inland	402-772-8101	15

NE3399 – NE3399 is a Mid Maturity Group III indeterminate variety maturing about 1 day later than Iroquois. Plant height, standability, and seed size are similar to Iroquois. NE3399 has excellent seedling emergence and good yield potential. Protein and oil are comparable to Iroquois. It was developed by the Nebraska Agricultural Experiment Station.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Thayer	Maschmann Mills	Deshler	402-365-4369	25

SOYBEAN VARIETY CHARACTERISTICS - 2006

These comparisons are provided as an educational service by the Nebraska Crop Improvement Association to provide a working tool for determining the merits of a variety. See your Certified Quality Seed source or Cooperative Extension Office for more information on variety adaptation, performance, complementation, and management.

These comparisons are for varieties registered under the revised PVP Act of 1994. See your Certified Quality Seed source or Cooperative Extension Office for more information on variety adaptation, protection, and registration.												
Variety	PVP Status ²	Agronomic Characteristics ¹						Phytophthora Root & Stem Rot ³		Tolerance to Iron Deficiency Chlorosis ⁴	White Mold Avoidance ⁵	Hilum Color
		Relative Maturity	Height ¹	Canopy Type	Lodging Resistance	Seedling Emergence ⁶	Seed Size ⁷	Rps Gene	Field Tolerance			
Maturity Group 1												
NE1900	N	1.9	short	mod slender	very good	very good	medium	none	-	-	-	yellow
Vinton 81	N	2.1	medium	mod slender	fair	fair	large	1a	good	fair	fair	yellow
Maturity Group 2												
Colfax	N	2.8	short	mod slender	excellent	very good	med large	none	moderate	fair	good	buff
Conrad	P	2.5	medium	mod slender	very good	good	medium	none	good	poor	fair	brown
Maturity Group 3												
Dunbar	N	3.3	mod tall	mod bushy	very good	good	medium	+	moderate	good	poor	imp black
Hamilton	P	3.6	mod tall	bushy	good	fair	medium	none	fair	poor	-	buff
Hobbit 87	P	3.3	short	mod bushy	excellent	very good	medium	1k	very good	poor	poor	black
NE3001	N	3.0	medium	bushy	excellent	good	medium	none	good	poor	poor	buff
NE3297	N	3.2	tall	mod slender	very good	very good	medium	none	poor	poor	good	brown
NE3399	N	3.3	mod tall	mod bushy	very good	very good	medium	none	0	0	0	black
Nemaha	N	3.5	mod tall	mod bushy	very good	very good	medium	none	moderate	poor	poor	buff
Odell	N	3.5	mod tall	mod bushy	good	very good	medium	none	moderate	fair	fair	buff
Probst	P-94	3.6	mod tall	mod bushy	very good	very good	medium	1k	very good	poor	fair	black
Williams 82	N	3.8	tall	mod bushy	good	good	medium	1k	very good	very poor	poor	black

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

- ¹ 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.
- ² Actual height and seed size will vary widely between years, locations, and with production conditions. General seed size ratings: large=less than 2200 seeds/lb; medium=2600 to 2800 seeds/lb; small=more than 3200 seeds/lb. General height ratings: short=26 to 33"; medium=34 to 40"; tall=more than 41."
- ³ Rating is based on ability of seedlings to emerge under standard laboratory test conditions at the Seed Science Center, Iowa State University.
- ⁴ Phytophthora Gene Resistance-see list on page 9 for races. The reaction will vary depending on how favorable conditions are for development of phytophthora, chlorosis or white mold, crop management practices, and/or plant growth stage or deviations in genetic resistance within the variety.

OAT VARIETY CHARACTERISTICS - 2006

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

Variety	PVP Status ¹	Agronomic Characteristics ²					Disease Reaction ³				Protein ⁴	Origin
		Maturity (Days)	Test Weight	Plant Height	Straw Strength	Grain Color	Smut	Rust	Crown Rust	BYD Virus		
Biaze	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.

OATS

PVP 126 — 126 is a true spring oat with dark green foliage, an erect growth habit and very good standability. 126 is a delayed heading oat and much of its forage mass and quality come from an extended maturity. It is medium to tall in height. Under good moisture and fertility, heads emerge at 48 to 52 inches. These oats respond well under irrigation and stand erect and resist lodging. 126 has shown resistance to rust and most other leaf and stem diseases. U.S. Protected Variety (PVPA 1994). Certificate No. 200400169.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Box Butte	D & S Hansen Farms	Hemingford	308-760-0189	130

BUFF — Buff is an early-midseason maturing oat with medium plant height. It is an excellent yielder with good test weight. It is resistant to Smut and susceptible to stem rust. It is moderately susceptible to crown rust and barley yellow dwarf. The pedigree for Buff is WIX6166-2/IL856255/Lotta. Buff was developed by the South Dakota Agricultural Experiment Station.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Saunders	Kubik Seed Sales	Prague	402-663-4379	6

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/C18168.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Buffalo	Donald Muhlbach	Ravenna	308-452-3588	8
Washington	Ron 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	ACRES
Buffalo	Donald Muhlbach	Ravenna	308-452-3588	20
Cass	Stock Seed Farm	Murdock	402-867-3771	39
Chase	Luhrs Cert Seed & Cond	Enders	308-882-5917	170

Custer	Arrow Seed Company	Broken Bow	308-872-6826	108
Gage	Anderson Seed	Odell	402-766-3790	13
Hamilton	Husa Seed Farms	Wymore	402-674-3188	11
Saunders	Steven Obermeier	Giltner	402-849-2622	20
	Kubik Seed Sales	Prague	402-663-4379	10
Sheridan	Rezac Seed	Valparaiso	402-784-3875	54
Thayer	William Junge	Gordon	308-327-2823	60
Washington	Maschmann Mills	Deshler	402-365-4369	32
Webster	Ron Smith	Hooper	402-654-3895	10
	Providence Farms	Bladen	402-756-1090	31

MAVERICK – Maverick is a medium early maturing variety similar to Monico. It is short in height with excellent standability. Maverick is widely adapted and a good yielding variety that produces high protein grain. This white hulled oat variety is suited to irrigated and high moisture areas. Maverick has the pedigree of 80Ab988(PI 578241)/Monida and was tested as 90Ab1322. It was developed cooperatively by the USDA Agricultural Research Service and the Idaho Agricultural Experiment Station.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	10

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	ACRES
Sheridan	Thorsen Family Farm Inc.	Gordon	308-282-0189	18
Washington	Ron Smith	Hooper	402-654-3895	12

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/Abegweit².

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	181

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	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	9

STEPTOE – Steptoe is an early maturing, six-row feed variety developed by the Washington Agricultural Experiment Station. It is medium height with moderate standability and very good resistance to shatter. Steptoe is adapted for irrigated or dryland production under optimum management conditions. On adapted sites, yield stability is very good.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Scotts Bluff	Jirdon Agri Chemicals	Morrill	308-247-2126	13

SPRING TRITICALE

PVP 2700 – 2700 is a medium maturing, awned, white glumed spring triticale variety. It is of medium height with good straw strength. 2700 is a widely adapted, highly versatile forage type triticale with high protein and digestibility. 2700 spring triticale is an excellent source of highly digestible fiber that preforms well planted alone, with other cereal grains, or forage peas. U.S. Protected Variety. Certificate No. 9300122.

COUNTY	GROWER	TOWN	TELEPHONE	ACRES
Box Butte	D & S Hansen Farms	Hemingford	308-760-0189	70

MILLET

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	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	20

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	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	250

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	ACRES
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	86

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	ACRES
Chase	Luh's Cert Seed & Cond	Enders	308-882-5917	86
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	178
Chase	Winkelman Seed	Dalton	308-377-2453	38

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	ACRES
Chase	Luh's Cert Seed & Cond	Enders	308-882-5917	74
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	263
Chase	Winkelman Seed	Dalton	308-377-2453	114
Deuel	V & F Farms Co.	Chappell	308-874-2480	55

MILLET VARIETY CHARACTERISTICS - 2006

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	large
Sunrise	Proso	medium (0)	white	medium short	good+	medium
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.

HYBRID SEED CORN

The following companies have requested field inspection under the NCI's 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 in 2006, please contact the participating company.

County	Grower	Town	Telephone
Adams	Remington Hybrid Seed Co.	Hastings	402-463-5581
Buffalo	Monanto Company	Keamey	308-234-9710
Douglas	Syngenta Seeds	Waterloo	402-779-2531
Fillmore	Laufer Seed Farms	Geneva	402-759-3102
Hamilton	Syngenta Seeds Inc.	Phillips	402-886-2257
Hall	Pioneer Hi-Bred International	Doniphan	402-744-3271
Madison	Ag Reliant Genetics LLC	Battle Creek	402-675-2975
Boe Seed Farm Inc.		Madison	402-454-2884
Cast Farms		Beaver Crossing	402-532-7515
Mycogen Plant Sciences		York	402-362-7441
Pioneer Hi-Bred International		York	402-362-3349

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 replanting 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 Nemours & 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 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.

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	308-874-2595
Cullan Farms	Hemingford	308-487-3905
D & S Hansen Farms	Hemingford	308-760-0189
Heritage Seed Company Inc.	Crawford	308-665-1672
Jiridon Agri Chemicals, Inc.	Morrill	308-247-2126
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
Trinidad/ Benham	Bridgeport	308-262-1361

Southwest District		
Dunbar Seed	Eustis	308-486-5590
Frenchman Valley Farmers Coop	Imperial	308-882-3224
Frenchman Valley Coop	Venango	308-447-5551
Haskins Seed Cleaning	Wauneta	308-394-5530
Luhrs Certified Seed & Cond	Enders	308-882-5917
Olson Livestock & Seed	Haigler	308-297-3283
R & C Sprinklers LLC	Ogallala	308-284-2114
Rainbow Grain	Ogallala	308-284-3264
Reeves Services	Atwood, KS	785-626-9695
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		
Andersen & Associates	Marquette	402-854-2225
Knobel Seeds	Fairbury	402-446-7394
Lauber Seed Farm	Geneva	402-759-3102
Maschmann Mills	Deshler	402-365-4369
Miller Seed & Supply Company	York	402-362-5516

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
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		
KBC Trading & Processing	Mayville, ND	701-786-2997
White Grain Company	Neligh	402-887-4168

East Central District		
Hoegemeyer Enterprises	Hooper	402-654-3399
Kaup Seed & Fertilizer	West Point	402-372-5588
W.A. Lafleur & Sons	Madison	402-454-2232
Producers Hybrids Inc.	Battle Creek	402-675-2975
Seed Enterprises Inc.	West Point	402-372-3238

Southeast District		
Anderson Seed	Odell	402-766-3790
Bern Seed Company	Bern, KS	785-336-3046
Blue Valley Seed	DeWitt	402-683-5615
Cole Seed Farm, Inc.	Plattsmouth	402-298-8169
Husa Seed Farms	Barneston	402-674-3188
Mayer Seed Auburn		402-274-5743
Miller Seed Company	Lincoln	402-475-1232
Muddy Creek Seed Farm	Johnson	402-868-6775
Ohlde Seed Farms	Palmer, KS	913-692-4555
Rezac Seed Valparaiso		402-784-3875
J.C. Robinson Seed Co.	Waterloo	402-779-2531
Rohlfing Seeds	Talmage	402-264-3515
Stock Seed Farm	Murdock	402-867-3771
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			Southeast District		
*Radke Engineering, Inc.	Big Springs	877-588-3211	Kamterter II LLC	Lincoln	402-466-1224
Southwest District			East Central District		
Greenbank Inc.	Fort Morgan, CO	800-615-4769	Alliance Production	Whiting, IA	712-458-2175
Lytle Seed Company	Wauneta	308-394-5128			
George Russell	Maywood	308-362-4459			

*Portable Seed Cleaner

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

2005 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 for marketing channels.

Grower-Conditioner (GC) – A member who applies for field inspection services and has adequate facilities for conditioning his own seed produced from inspected 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 produced 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 may purchase bulk uncleaned seed from inspected acres of a crop grown by another member for conditioning, tagging, and sale in marketing channels as a class 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 seed 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
Agri Pro Wheat	806 N 2 nd St.	Berthoud, CO	80513	970-532-3721	GR
Alliance Production	14633 Hwy K64	Whiting, IA	51063	712-458-2175	CC
Andersen & Associates	2204 No. S Rd	Marquette	68854	402-854-2225	AC
Anderson Seed	42401 SW 610dell Rd	Odell	68415	402-766-3790	AC
Arrow Seed Company	PO Box 722	Broken Bow	68822	308-872-6826	AC
Asgrow Seed Co.	3403 Montreal Circle	Omaha	68123	402-293-5851	AM
Kendall Atkins	3455 Rd 55 E.	Dix	69133	308-682-5647	GC
Bartco	34605 Rd 725	Wauneta	69045	308-394-5423	GR
Leonard Bayer	2115 CR 14	Howells	68641	402-986-1397	GR
Beebe Seed Farms, Inc.	1291 Old Lincoln Hwy	North Bend	68649	402-652-3741	GR
Bergmeier Farms	PO Box 96	Clatonia	68328	402-683-4845	GR
Bern Seed Co.	505 Railroad St.	Bern KS	66408	785-336-3046	AC
BioPlant Research	PO Box 320	Camp Point, IL	62320	800-593-7708	AM
Blue Valley Seed	6237 W Dogwood Rd	DeWitt	68341	402-683-5615	AC
Boe Seed Farm, Inc.	PO Box 10	Madison	68748	402-454-2884	GR
Robert Bolte	RR 2 Box 114	Blue Hill	68930	402-756-2107	GR
Bratney Companies	3400 - 109 th St.	Des Moines, IA	50322	515-270-2417	AM
Broberg Farms	PO Box 586	Tilden	68781	402-368-5647	GR
Edgar Buescher & Sons	RR 1 Box 636	Lawrence	68957	402-756-7791	GR
D.K. Buskirk & Sons	7351 Gage Rd.	Hemingford	69348	308-487-3995	GC
Buysm Sod Farms	PO Box 370	Elm Creek	68836	308-856-4633	GR
C & C Farms	RR 1 Box 64	Superior	68978	402-879-4639	GR
Campstool Farms	102 Ridge Rd	Kimball	69145	308-235-7284	GR
Carter Certified Seed	15571 Rd. 14	Chappell	69129	308-874-2595	AC
Mark Caspers	RR 1 Box 104	Auburn	68305	402-274-3800	GR
Cast Farms, Inc.	2737 Pioneers Rd.	Milford	68405	402-532-7515	GR
Glenn Chvatal	2615 CR U	Prague	68050	402-663-4386	GR
Cole Seed Farm, Inc.	2101 Church Rd.	Plattsmouth	68048	402-298-8169	AC
Glenn Colson	75540 Road 345	Elsie	69134	308-228-2322	GR
Condon Farms, Inc.	86959 Hwy 13	Creighton	68729	402-358-3506	GR
Corn States Hybrid Service	2505 McKinley	Des Moines, IA	50321	515-285-3091	AM
Cullan Farms	6731 Franklin Rd.	Hemingford	69348	308-487-5288	AC
Kenneth Degenhardt	RR 1 Box 70	Hebron	68370	402-768-2352	GR
Jed & Deann Doetker	PO Box 96	Wauneta	69045	308-394-5636	GR
James J. Dolezal	16235 CR 63	Julesburg, CO	80737	970-885-3365	GR
Joseph Dubas	5225 Sunlight Ct.	Lincoln	68516	402-328-9923	GR
Dunbar Seed	HC 70 Box 13	Eustis	69028	308-486-5590	AC
EBM Mill & Elevator	1014 Sherwood Rd.	Norfolk	68701	402-371-2945	AM
Glenn H. Ebbers	57065 Hwy 4	Daykin	68338	402-446-7423	GR
Darrel Eberspacher	787 - 308 St.	Seward	68434	402-761-3178	GR
Edgar Farms	25205 S. 120	Firth	68358	402-791-5797	GR
Edward Eitel	480 Table Rd.	Crawford	69339	308-665-2365	GR
Evergreen Turf Farm	2072 CR 13	Ames	68621	402-622-8246	GR
Fontanelle Hybrids	2005 N. Somers	Fremont	68025	402-721-6348	GC
Kirk Foster	RR 2 Box 965	Berwyn	68819	308-935-1672	GR
Foundation Seed Division	1071 CR G RM C	Ithaca	68033	402-624-8083	AC
Terry Foxhoven	210 St. James Ave.	Wynot	68792	402-357-2396	GR
Frenchman Valley Coop	PO Box 127	Venango	69168	308-447-5551	AC
Frenchman Valley Farmer Coop	143 Broadway	Imperial	69033	308-882-3224	AC
Troy Fuelberth	88165 Hwy 81	Hartington	68739	402-254-6903	GR
Garst Seed Co.	615 Main St.	Coon Rapid, IA	50058	712-684-3248	GR
General Mills Operations	2500 9 th Ave. North	Great Falls, MT	59401	406-761-6252	AM
Gleason Farms, Inc.	724 S. Cameron Rd.	Wood River	68883	308-583-2413	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

Osler Farms	34550 Road 751	Elsie	69134	308-228-2296	GC
Paben Farms	27431 SW 32 nd Rd	Beatrice	68310	402-228-0629	GR
Paramount Seed	7682 CR Z	Quinter, KS	67752	785-754-2151	GR
Stanley Pavelka Farms	18350 S. Conestoga	Bladen	68928	402-756-3945	GR
Perry Brothers Seed	517 S. Washington	Otis CO	80743	970-246-3401	AM
Peters Seed Farms Inc.	RR 4 Box 216	McCook	69001	308-345-5170	GC
Petersen Farms Inc.	1420 E. Capital	Grand Island	68801	308-382-1672	GR
Petersen Land & Cattle	RR 3 Box 326	Cambridge	69022	308-697-4370	GR
Peterson Genetics Inc.	1710 Adams St.	Cedar Falls, IA	50613	319-266-1731	AM
Pioneer Hi-Bred Int'l Inc.	12937 S. US Hwy 281	Doniphan	68832	402-744-3271	AC
Pioneer Hi-Bred Int'l Inc.	1410 Hwy 34	York	68467	402-362-3349	AC
Platte River Seed Co.	PO Box 864	Kearney	68848	308-237-5253	GR
Paul D. Platner	RR 1 Box 47	Shubert	68437	402-883-2365	GC
Pohlmann Land & Cattle	RR 1 Box 72	Deshler	68340	402-365-7676	GR
Polansky Seed	2729 M St.	Belleville, KS	66935	785-527-2271	GR
Popp Engineering Inc.	2710 Ford St.	Ames, IA	50010	515-232-6118	AM
Poppe Farms	200 Central Ave.	Grant	69140	308-289-1148	GR
Potthoff Coyote Canyons	HC 2 Box 122	Trenton	69044	308-276-2548	GR
Producers Hybrids Inc.	PO Box C	Battle Creek	68715	402-675-2975	AC
Providence Farms/Keith Berns	RR 1 Box 140	Bladen	68928	402-756-1094	GR
Radke Engineering	3619 Eastpark Rd.	Cedar Falls, IA	50613	877-588-3211	CC
Rainbow Grain	PO Box 855	Ogallala	69153	308-284-3264	AC
Sid Ready	765 CR 12 Blvd.	Scribner	68057	402-664-2710	GR
Rezac Seed	840 CR 31	Valparaiso	68065	402-784-3875	AC
Armand G. Richert	2320 448 Rd.	Gresham	68367	402-735-7523	GR
Richmond Farms	RR 1 Box 143	Grant	69140	308-352-4473	GR
Roberts Seed	982 - 22 Rd.	Axtell	68924	308-743-2565	AC
J.C. Robinson Seed Co.	PO Box A	Waterloo	68069	402-779-2531	AC
Rocking T-J Farms Inc.	1781 CR 74	Hemingford	69348	308-487-5277	GR
Rohlfing Seed	4275 S Rd.	Talmage	68448	402-264-3515	AC
Jeff/Norman Rose	RR 2 Box 89	Blue Hill	68930	402-756-2073	GR
George Russell	PO Box 82	Maywood	69038	308-362-4459	CC
Scharf Farms	RR 1 Box 9	Curtis	69025	308-367-4369	GR
Scheitel Feed & Seed	PO Box 476	Falls City	68355	402-245-3712	GR
Pete Schmit & Sons LTD	230-40 Rd.	Bellwood	68624	402-538-4645	GR
Steve Schumacher	PO Box 182	Dalton	69131	308-377-2502	GR
Scotts Co.	7644 Keene Rd. NE	Gervais, OR	97026	503-792-3633	AM
Seed Enterprises Inc.	679 - 19 Rd.	West Point	68788	402-372-3238	AC
Sharp Brothers Seed Co.	PO Box 140	Healy, KS	67850	316-398-2231	AC
Ron Smith	27712 CR 10	Hooper	68031	402-654-3895	GR
Smith Seed Farms	RR 3 Box 140	Auburn	68305	402-274-4011	GR
Sonderup Seed Farms	RR 1 Box 190	Fullerton	68638	308-536-2027	GR
Spurgin Inc.	790 Rd E. R So.	Paxton	69155	308-239-4539	GR
Star Seed Inc.	PO Box 228	Osborne, KS	67473	913-346-5447	AC
Starr Partnership	1140 W. Lochland Rd.	Hastings	68901	402-461-4229	GR
Stateline Bean Producers Coop	PO Box 803	Bridgeport	69336	308-262-1222	GR
Stauffer Seeds	PO Box 68	Aurora	68818	402-694-4062	GR
David Stock	28008 Mill Rd.	Murdock	68407	402-867-3771	GR
Stock Seed Farm	28008 Mill Rd.	Murdock	68407	402-867-3771	AC
Richard Swartz	715 S. Minden	Minden	68959	308-832-2152	GR
Syngenta Seed Treatment	#29 Rolling Hills Rd.	Kearney	68847	308-234-4819	AM
Syngenta Seeds Inc.	PO Box 125	Phillips	68865	402-886-2257	AC
Thimm Farms Inc.	5104 W Hwy 136	Beatrice	68310	402-228-2222	AC
Carl Thomas	10038 CR 10	Morrill	69358	308-247-2096	GR
Thorsen Family Farm Inc.	HC 91 Box 47	Gordon	69343	308-282-0189	GR
Todd Valley Farms	E. Hwy 92 Box 202	Mead	68041	402-624-6385	GR
Trinidad/Benham	PO Box 427	Bridgeport	69336	308-262-1361	AC
Turf-Seed Inc.	PO Box 250	Hubbard, OR	97032	800-247-6910	GR
UAP Ag Services	PO Box 98	Imperial	69033	308-882-4308	GR
United Seeds Inc.	PO Box 27322	Omaha	68127	402-331-4800	AC
V & F Farms Co.	PO Box 467	Chappell	69129	308-874-2840	GR
Veburg Seed Farm	2706 N. W Rd.	Hordville	68846	402-757-3399	GC
R.E. Vieselmeyer Inc.	RR 1 Box 79	Deshler	68340	402-365-7781	GR
Ron Vlasin	790 CR 2350	Crete	68333	402-826-3422	GR
Lloyd Vogt & Son	33726 Adams St.	Elmwood	68349	402-994-2475	GC
Darrell Wehnes & Sons	PO Box 237	Inland	68954	402-772-8101	AC
Ruben Wehnes	PO Box 237	Inland	68954	402-772-8101	GR
West Seeds	2345 Shelton Rd	Shelton	68876	308-647-6903	GR
Dale/Henry Wicke	PO Box 76	Wauneta	69045	308-394-5777	GC
Wiedel's Circle E Inc.	RR 1 Box 35	Hebron	68370	402-768-6729	GR
Williams Lawn Seed Inc.	224 W So. Hills Dr.	Maryville, MO	64468	800-457-9571	GR
Winkelman Seed	PO Box 352	Dalton	69131	308-377-2453	GC
Dale/Linda Zoerb	RR 1 Box 105	Litchfield	68852	308-446-2366	GR

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Henderson, Nebraska
402-723-5833

**Plains
Irrigation**
Grand Island, Nebraska
308-382-9240

Valley Pro Irrigation, Inc.
Benkelman, Nebraska, 308-423-2577
Grant, Nebraska, 308-352-4242
Imperial, Nebraska, 308-882-5660
North Platte, Nebraska, 308-532-0950
Palisade, Nebraska, 308-285-3835

Hoegemeyer is the last independent seed company in Nebraska.

But that's not the only reason to do business with us.

Smart growers appreciate the proven performance of an innovative seed company. Innovation leads to developing high-quality seeds that deliver early-season vigor. You'll find that kind of innovation with our 12 new Hoegemeyer™ and 9 new Triton Genetics™ Herculex® I hybrids.

For consistent yields, standability and personalized customer service, see your Hoegemeyer dealer.



Ask your dealer for a copy of the 2006 seed guides and details on great pre-season discounts or call 1-800-AGLINE-1 (800-245-4631).



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Triton Genetics is owned by CHS Marketing, LLC. Your local Hoegemeyer Hybrids dealer is a CHS Marketing Agent of Triton Genetics.

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Millet Triticale

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WHEAT

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