

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Historical Materials from University of
Nebraska-Lincoln Extension

Extension

2003

EC03-101 Nebraska Seed Guide, 2004

Lenis Alton Nelson

University of Nebraska-Lincoln, lnelson1@unl.edu

Robert N. Klein

University of Nebraska - Lincoln, robert.klein@unl.edu

Roger Wesley Elmore

University of Nebraska-Lincoln, roger.elmore@unl.edu

David D. Baltensperger

University of Nebraska-Lincoln, dbaltensperger@tamu.edu

Charles A. Shapiro

University of Nebraska-Lincoln, cshapiro1@unl.edu

See next page for additional authors

Follow this and additional works at: <https://digitalcommons.unl.edu/extensionhist>



Part of the [Agriculture Commons](#), and the [Curriculum and Instruction Commons](#)

Nelson, Lenis Alton; Klein, Robert N.; Elmore, Roger Wesley; Baltensperger, David D.; Shapiro, Charles A.; Knezevic, Stevan Z.; and Krall, James, "EC03-101 Nebraska Seed Guide, 2004" (2003). *Historical Materials from University of Nebraska-Lincoln Extension*. 1608.

<https://digitalcommons.unl.edu/extensionhist/1608>

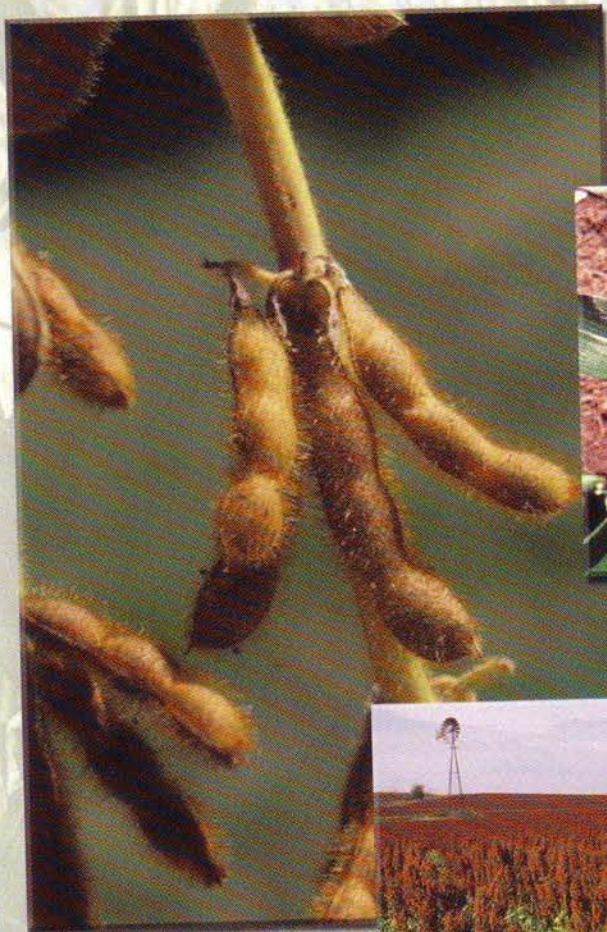
This Article is brought to you for free and open access by the Extension at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Materials from University of Nebraska-Lincoln Extension by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

Authors

Lenis Alton Nelson, Robert N. Klein, Roger Wesley Elmore, David D. Baltensperger, Charles A. Shapiro, Stevan Z. Knezevic, and James Krall

Nebraska

SEED GUIDE 2004



Provided by:

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

UNIVERSITY OF
Nebraska
Lincoln

It is the policy of the University of Nebraska-Lincoln not to discriminate on the basis of gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin or sexual orientation.



More protection.

More yield.

More options.

Need we say more?

NK® Brand YieldGard® Bt hybrids plus Cruiser Extreme™ Pak CRW seed treatment protects against 14 pests for more protection and yield.

NK® Brand YieldGard® Bt hybrids have a proven track record of 8 bu/acre and \$53.51 more value in every unit.* NEW for 2004 – boost the pest protection power of NK Brand Bt hybrids with Cruiser Extreme™ Pak CRW seed treatment insecticide to protect your crop from 14 yield-robbing pests, including corn rootworm. And, NK Brand Bt hybrids with Cruiser Extreme Pak CRW offer the peace of mind of full export freedom with no grain channeling concerns.

Plus, all NK Brand YieldGard hybrids are Liberty® herbicide resistant to provide an additional herbicide option with a wider window of weed control at no additional cost. Ask about our exclusive Community Choice financing too.

Talk to your NK Brand dealer today, for more protection, more yield, more options.



For The Way You Farm™

* 3,095 comparisons, 1995-2002, NK Brand Bt hybrid vs. non-Bt version of the same hybrid.



NK®, For The Way You Farm™, Cruiser Extreme™ Pak and the Syngenta logo are trademarks of a Syngenta Group Company. YieldGard® is a registered trademark of Monsanto Company. Liberty® and LibertyLink® are registered trademarks of Bayer. READ ALL BAG TAGS AND LABELS. They contain important conditions of sale, including limitations of warranty and remedy. Syngenta Seeds, Inc., Minneapolis, MN 55440 1-800-445-0956 www.nk-us.com © 2004s Syngenta

Ne
SE
C
S
N
G
S
P
G
O
S
S
S
T
T
C
F
M
O
P
Q
S
S

Seed Gu

Nebraska SEED GUIDE 2004

Table of Contents

Corn Hybrid Tests	3-30
Soybean Variety Tests	31-52
Nematode Variety Tests51
Grain Sorghum Hybrid Tests	53-64
Sunflower Trials	65-68
Proso Millet Trials	69-71
Foxtail Millet Variety Trials	72-73
Grain Pea Variety Trials	74-76
Oat Tests	77

Nebraska Crop Improvement Association Contents

Approved Seed Conditioners	104
Certified Seed Producers	
Forage Grasses	84
Hybrid Corn	102
Millet	101
Oats	96
Soybeans	92
Spring Barley	98
Spring Triticale	98
Spring Wheat	99
Turfgrasses	90
Turfgrass Sod	91
Custom Certified Conditioners	106
Foundation Seed	82
Membership List	107
Millet Variety Characteristics	100
Oat Variety Characteristics	95
Plant Variety Protection Act	83
Quality Assurance Producers	
Soybeans	103
Soybean Characteristics	
Certified Varieties	93
Food Grade Varieties	94

Produced By
MESSENGER

WELCOME TO THE 2004 PLANTING GUIDE

This is a new format for publishing the results of the 2003 University of Nebraska variety trial results. We are excited by the fact that this guide is reaching many more Nebraska agricultural producers than ever before. We are including several crop species and are also able to include information from the Nebraska Crop Improvement Association. We hope this helps you in making one of the most important financial decisions for the next crop year, choosing the best adapted hybrids and varieties for your farm.

Variety testing has a long history in Nebraska and involves many faculty and their staff. Although I coordinate the statewide effort, I could not cover the state without assistance from David Baltensperger in the Panhandle, Bob Klein in West Central Nebraska, Roger Elmore in South Central Nebraska, and Charles Shapiro and Stevan Knezevic in Northeast Nebraska. We also have contributions from Jim Krall in Wyoming. Our staff includes John A. Eis, Greg Dorn, Jeff Golus, Glen Frickel, Bekele Abeyo, Ralph Klein, Lori Abendroth, Jerry Nachtmann, James Margheim, Jon Scott and Ray Brentlinger.

We realize that making decisions based on these tables is a challenge left to you, the producer. In order to help you use these tables, we have written a NebGuide "Using Corn Hybrid Yield Data to Improve Selection of Rapidly Changing Hybrids" which will give some useful advice on getting more information from these tables. This NebGuide is available at your local County Extension Office or on the web at <http://www.ianr.unl.edu/pubs/fieldcrops/g1521.htm>.

Variety testing has many challenges. The challenge of quick turn around of information has been greatly improved by the use of the World Wide Web. Our individual test sites are posted quickly after harvest at <http://varietytest.unl.edu/>. Also, this is a convenient way to download the data for further investigation. A longer term challenge is finding ways to use the data more effectively. Easy availability of powerful computers allows for modeling and georeferencing of data to help in decision making. The rapid introduction and demise of large numbers on varieties and hybrids makes it ever more challenging to keep up with the changes. We hope to provide better tools for making varietal decisions each year.

The 2003 crop year presented many challenges. The main one was the residual from the dry conditions in 2002. Spring and early summer rains were good over much of the state, but July and August had below average rainfall in many areas. Fall rains were adequate to get the wheat crop established for next year. It appears that irrigation water will be limited in many parts of the state next year making cropping and variety decisions more critical than ever.

We hope this seed guide is helpful to you in making good variety and hybrid selections for 2004. We are including a survey form on the Page 111. We invite you to fill it out and mail it, fax it, or go to our online site to send it to us. These addresses are listed on the survey sheet.



Lenis A. Nelson
Professor of Agronomy

EXTENSION CIRCULAR 03-101

NEBRASKA VARIETY AND HYBRID TESTS

January 2004

AUTHORS

Lenis A. Nelson	Department of Agronomy/Horticulture, Lincoln
Robert N. Klein	West Central Research and Extension Center, North Platte
Roger W. Elmore	Department of Agronomy/Horticulture, Lincoln
David D. Baltensperge	Panhandle Research and Extension Center, Scottsbluff
Charles Shapiro	Haskell Agricultural Laboratory, Concord
Steven Knezevic	Haskell Agricultural Laboratory, Concord
James Krall	Torrington Research and Extension Center, Torrington, WY

ACKNOWLEDGMENT

This circular is a progress report of corn hybrid performance tests conducted by the Agronomy/Horticulture Department and the Northeast, South Central, West Central and Panhandle Research and Extension Centers 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 hybrid seed corn producers.

We invite you to visit our Web Site to view individual tables or the complete book. 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, Bekele Abeyo, Ralph Klein, Jim Pavelka, Jerry Nachtman, James Margheim, Jon Scott and Ray Brentlinger 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	cm = inches x 2.54
1 hectare = 2.471 acres	ha = acres x 0.405
1 kilogram = 2.205 pounds	kg = pounds x 0.454
1 hectoliter = 2.838 bushels	hl = bushels x 0.352
Kilogram/hectoliter = lb/bu x 1.287	
Kilograms/hectare = bu/A x 62.78 (56# bu)	

NEBRASKA CORN HYBRID TESTS

2003 Crop Production Summary

Here is a summary of the 2003 corn crop. By June 15, corn condition was rated as 2% poor, 19% fair, 61% good and 18% excellent, above last year and average. Temperatures ranged above normal in the West. Precipitation fell statewide with largest amounts, over four inches, in the southeast along with hail and high winds which injured some corn. July 13, corn condition rated 14% very poor, 2% poor, 19% fair, 52% good, and 26% excellent, above last year and average. Irrigated corn rated 82% good and excellent while dryland rated 73%. Fields were 12% silked, behind last year at 28% and average at 24%. August 17, corn condition continued to decline and rated 12% very poor, 13% poor, 30% fair, 36% good, and 15% excellent, above last year but slightly below average. Irrigated corn rated 77% good to excellent while dryland fields declined to 16%. This compares to 50% and 51%, respectively, a year ago. Seventy-four percent had reached the dough stage, behind last year at 79% and average at 78%. Sixty-seven percent of the fields had reached the dent stage, behind last year at 38% and average at 30%. September 21, cooler temperatures and the first frost of the season occurred this week in many areas of the western two-thirds of the state. Corn condition rated 14% very poor, 15% poor, 23% fair, 33% good, and 15% excellent, above last year but below average. Irrigated corn was 77% good and excellent, dryland fields rated 12%. This compares to 51% and 8%, respectively, a year ago. Ninety-six percent of the fields had reached the dent stage, near last year at 97 and average at 98. Fifty percent of the acreage was mature, behind last year at 67 and average at 71. Harvest was limited across the state and reached 6% harvested to date, behind last year at 10 and average at 11. October 19, temperatures averaged from 1 degree below normals to 5 degrees above normals for the week. Corn condition rated 14% very poor, 13% poor, 22% fair, 31% good, and 20% excellent. Irrigated fields rated 77% good and excellent while dryland fields rated 15%. Harvest reached 42% and slightly behind last year at 44% and a week behind average at 58%. November 19, good harvest progress with corn harvest reached 96% complete, ahead of last year at 86% and average at 94%.

Twenty-nine corn performance tests were planted in 2003. Test locations are shown on the map (page 10). Table A (page 8) 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 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 9) 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 29-30). The names of the entrants and their addresses are listed in Table D (page 10). Table E (page 11) 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 fifth year we have used statistical procedures for removing a portion of the spatial variability.

In these experiments, many hybrids had essentially 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.



EQUITY *The Resourceful Company*
Financial Resources, Inc.

2004 Agricultural Planning

- ✓ Farm Real Estate Plans
- Fixed Rate Plans 5-20 Years • Competitive Rate Plans
- 25-Year Amortization Schedule Plans
- Refinancing or Buying • Farming with a Profitable Plan
- ✓ Financial Resource Plans
- Crop, Livestock & Leasing Financial Plans
- ✓ Renewal Energy Plans
- Ethanol • Bio Diesel, Waste Management, Organic
- Competitive Edge Farming with a Profitable Plan

FARM MANAGEMENT PLANS
816-455-4548 • www.equityfinancialres.com

New and Used RoGators and Terra Gators



Used Spra-Coupes, Patriots, JD, Air Rides, Hagies, Etc., on our website.
We have the best prices and the largest selection.

AG CHEM EQUIPMENT CO.

www.agchem.com/equip
E. NE Todd Roland, 402-669-9649
W. NE Mark Curry 402-362-8602



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, Central Irrigated-2, West Central Irrigated-2, Southwest Irrigated-2, Southwest No-Till-2, West Central No-Till-2, North Central Irrigated-2, West Valley Irrigated-2, West Table Irrigated-2, West & West Central Short Season No-Till-2. 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 cost, although this year the grain was all quite dry at harvest.

Southeast Dryland

Two no-till trials were planted with fifty-three hybrids plus seven farmer entries in Richardson and Gage counties (page 12). Richardson county farm entries were Hoegemeyer HBT 705 @ 152.1bu/a, Hoegemeyer HX9888 @ 159.1 bu/a, Hoegemeyer HX9679 Gaucho @ 142.6 bu/a, Pioneer 31G98 @ 141.7 bu/a, Hoegemeyer 2649 Gaucho @ 121.1 bu/a, Hoegemeyer HB7821 @ 131.4 bu/a, Hoegemeyer 2679 Gaucho @ 127.2 bu/a. Average for all entries was 144.3 bu/a. Gage County entries were Hoegemeyer 9679T @ 109.2 bu/a, Producers 7284 BT @ 100.6 bu/a, Pioneer 34N44 @ 90.2 bu/a, Croplan 818RRBT @ 99.3 bu/a, Mycogen 2A812 BT @ 90.8 bu/a, NC+ 5411 @ 68.5 bu/a and NuPride 5130BT @ 68.8 bu/a. Average for all entries was 87.3bu/a.

East Central Dryland

Two trials were planted with sixty-two hybrids (page 27). The Seward county farmer entries were LG Seeds 2622 @ 142.9 bu/a, LG seeds 2587CL @ 133.2 bu/a and Midland 795 @ 108.4 bu/a. Average for all entries was 140.0 bu/a. Burt County trial farmer entries were Golden Harvest H-9430 BT @ 170.7 bu/a, Hoegemeyer 2661 @ 160.1 bu/a, Garst 8331 @ 153.5 bu/a, Golden Harvest H-8913BT @ 146.7 bu/a, Garst 8288 @ 144.7 bu/a, Golden Harvest H-9087 @ 129.6 bu/a, Garst 8510 @ 115.1, and Hoegemeyer 2679 @ 99.4 bu/a. Average for all entries was 145.7 bu/a. Period-of-years data are shown on page 28.

Southeast Irrigated

Saunders and Hamilton county trials had seventy hybrids (pages 14-15). Saunders County farmer entries were Pioneer 35Y65 @ 248.7 bu/a, Pioneer 34B98 @ 241.8 bu/a, Wabash Valley TL3351BT @ 212.8 bu/a, Mycogen 2A812 @ 211.3 bu/a, Pioneer 34B24 @ 203.6 bu/a, Sands SOI 9102 @ 193.0 bu/a, Pioneer 34N44 @ 196.9 bu/a, Pioneer 34G82 @ 191.5 bu/a, Pfister 3030BT @ 196.7 bu/a, and Mycogen7474 @ 180.2 bu/a. Average for all entries was 202.8 bu/a. Hamilton County had 4 replications of 4 rows in 30 inch rows, 30 ft. in length, harvested the center 2 rows. The average moisture was 19.6%. Hamilton County farmer entries were Circle Seed 8001 BT @ 239.1 bu/a, and Circle Seed 8009 BT @ 233.8 bu/a. Average for all entries was 229.2 bu/a. Period-of-years data are shown on page 15.

Northeast Dryland

Forty hybrids were included in the dryland test in Dixon County (page 18). Average yield of all the entries were 121 bu/a.

Northeast Irrigated

Pierce County had sixty-three hybrids were included in the irrigated plot (page 19). Average for all entries were 189 bu/a. Grain moisture was 15.3%. Over year yields are shown on page 18.

South Central Irrigated

Test plots were located in Clay County at the SCREC farm near Clay Center and Phelps County (page 16). Clay County test plot included 56 entries plus 4 farmer entries with 4 replications of 4 rows, 30 inch wide, 24 feet long, and harvested the center 2 rows. Farm entries were Circle Seed 8001 BT @ 294.9 bu/a, Jacobsen JS4721 @ 253.7 bu/a, Jacobsen JS4637 @ 210.5 bu/a, and Circle Seed 8009 BT @ 210.3 bu/a. Average of all entries was 252.6 bu/a and an average moisture of 19.4%. Phelps County farm entries were Jacobsen JS4637 @ 244.7 bu/a and Jacobsen JS4721 @ 243.9 bu/a. Average yield of all entries was 239.9 bu/a and an average moisture of 15.8%. Period-of-years data are shown on page 17.

South Central Dryland

This trial was in Clay County with 39 corn entries. Four replications of 4 rows in 30 inch width, 30 ft. in length, harvested the center 2 rows. The average yield was 115.8 bu/a. The average moisture was 15.4%. Page 28 shows the Clay County corn data.

Central Irrigated

Thirty-five hybrids were tested in Custer and Dawson counties. Custer County was conventional tillage, pivot irrigated. The Custer County test plot averaged 199.1 bu/a. The Dawson County test was ridge till, furrow irrigated. Average yield was 160.4 bu/a. Farmer entries were LG Seeds LG 2540 @ 151.4 bu/a, and LG 2585 @ 153.5 bu/a. The data from these plots are shown on page 23. Over year data are shown on page 23.

Southwest Irrigated

Twenty eight entries with two farm entries were planted in Furnas County. At Red Willow County twenty eight entries and four farm entries included. Ridge till-furrow irrigated. Furnas County farmer entries were NC+ 3709 @ 198.0 bu/a, and NC+ 5411 @ 218.5 bu/a. Average for all entries was 207.6 bu/a. Red Willow

Richardson
Fertilizer
liquid N an
insecticide
bu/a, 4.2 a
er 3.1%
VHI. No r
Elevation:
Gage: Dr
lb/a N. H
Nitrogen
Lime nee
Phosphor
N 40.302
Seward:
Fertilizer:
1.5 Balan
Seed Guide

... entries were NC+ 5411 @ 256.4, NC+ 3709 @ 230.1
... 34 N 44 BT @ 230.1 bu/a, and Circle 6217 RR-BT
... Average for all entries was 233.2 bu/a. Data for this
... are shown on page 20 and over year summary on page 20.

South West No-Till

... hybrids were entered in Hayes and Red Willow county no-
... test. Hayes County test had an over all average of 54.4
... Red Willow county plot had an over all average of 91.3 bu/a.
... 2003 data will be on page 21.

North Central Irrigated

... hybrids were entered in Brown County ridge till, fur-
... irrigated and Brown County pivot irrigated, no-till into soy-
... Brown County furrow irrigated test had an over all average
... 226.3 bu/a. Brown County pivot irrigated plot had an over all
... of 222.6 bu/a. The 2003 data will be on page 24.

West Central Irrigated

... and other data were recorded from thirty-six hybrids tested
... Lincoln and Dundy Counties. Lincoln County, WCREC, at
... Platte was ridge till, furrow irrigated. Test had yields aver-
... 259.8 bu/a. Dundy minimum tillage, pivot irrigated test
... for all entries was 235.8 bu/a. This year and over year
... are shown on page 22.

West Central No-till

... hybrids were tested in Lincoln and Perkins counties.
... Lincoln County no-till corn test was planted into wheat stubble,
... wheat, 2001-fallow. Average yield for the test was 22.1 bu/a.
... Perkins County no-till corn test into wheat stubble, 2002-wheat,
... fallow. Average yield for the test was 22.1 bu/a. Data from
... locations is shown on page 21.

West Valley Irrigated

The Scotts Bluff County in Nebraska and Torrington, Wyoming plots had seventeen hybrid entries. Scotts Bluff was sprinkler irrigated. Average yields were 208.8 bu/a. Torrington, Wyoming plot with overhead sprinkler irrigation system. Average yield for test was 161.9 bu/a. Scotts Bluff and Torrington, Wyoming data shown on page 26. Period-of-years yield and other data are shown on page 26.

West Table Irrigated

Irrigated trials were in Box Butte and Cheyenne Counties. Eighteen hybrids at each location (page 25). West table area has a higher elevation land which requires an earlier maturing hybrid than valley land. Box Butte sprinkler irrigated, conventional tillage. Average for all entries were 188.4 bu/a. Cheyenne County at High Plains Ag Lab using a sprinkler system average of all entries were 157.4 bu/a. This is the eleventh year for this test. Period-of-years averages are included on page 25.

Early Maturing No-Till

UW Research Center, Archer, WY test plot and Cheyenne County High Plains Ag Lab dryland tested with four entries was of the earlier hybrids in an early maturing no-till system. Planted into no-till into winter wheat stubble. The Archer, WY plot was lost due to drought and hail damage. Cheyenne County plot average yields were 59.3 bu/a. Data from test is on page 26.

Cultural Practices

Richardson: Dryland. No-till. Crop history: soybean, corn rotation. Fertilizer: 140 lb/a anhydrous ammonia, 100 lb/a 11-52-0 liquid N and 30 lb/a N side dressed. Herbicide: Bicep II and Spirit. Insecticide: None. Soil test results: Nitrogen in depth sampled 46 lb/a, 4.2 avg ppm, Soil pH 7.5, Lime needed 0 lb/a, Organic matter 3.1%, Bray-1 Phosphorus, ppm 153 VHI, Potassium, ppm 495 VHI. No rain after July 10. Coordinates: N 40.1483 W - 95.6352 Elevation: 1037.

Gage: Dryland. No-till. Previous crops: Soybeans. Preplant: 120 lb/a N. Herbicide: Spirit 1 oz/a, and 2,4-D. Insecticide: None. Nitrogen in depth sampled 71 lb/a, 6.6 avg ppm, Soil pH 6.4, Lime needed 0 lb/a, Organic matter 3.1%, Silt loam, Bray-1 Phosphorus, ppm 13 Low, Potassium, ppm 331 VHI. Coordinates: N 40.3023 W -96.6611 Elevation: 1384.

Seward: Dryland. Field cultivated. Previous crop: 2002 soybean. Fertilizer: 100 lb N as anhydrous. Herbicide: 2.3 qt/a Degree Xtra, 1.5 Balance Pro/a. Insecticide: None. Soil test: Nitrogen in depth

sampled 66 lb/a, 6.1 avg ppm, Soil pH 6.5, Lime needed 0 lb/a, Organic matter 3.2%, Bray-1 Phosphorus, ppm 11 low, Potassium 459 VHI. Coordinates: N 40.9657 W -97.078 Elevation: 1490.

Burt: Dryland. Conventional tillage. Crop history: 2002 soybean. Fertilizer: 150 lb/a liquid N at planting, 100 lb/a 10-34-0 liquid as starter, side dressed 50 lb/a liquid N during summer. Herbicides: Field Master at planting, Callisto POST. Insecticide: None. Nitrogen in depth sampled 267 lb/a, 24.7 avg ppm, Soil pH 6.2, Buffer pH 6.8, Lime needed 2000 lb/a, Organic matter 3.6%, Bray-1 Phosphorus, ppm 109 VHI, Potassium, ppm 646 VHI. Hot and dry during the season, with strong winds, 4-5" of rain several times with green snap and lodged stalks. Coordinates: N 41.8264 W -96.2252 Elevation: 1043.

Saunders: Pivot irrigated. Field cultivated. Previous crop: soybean 2002. Fertilizer: 5 gal 10-34-0, 165 actual N as anhydrous. Nitrogen in depth sample 112 lb/a, 10.4 avg ppm, Soil pH 5.8, Buffer pH 6.4, Lime needed 6000 lb/a, Organic matter 3.3%,

Bray-1 Phosphorus, ppm 42 HI, Potassium, ppm 447 VHI. Coordinates: N 41.3773 W -96.6159 Elevation: 1288.

Hamilton: Gravity irrigated. Ridge tilled with 4 row Kinze planter pickup. Excellent planting conditions. Crop history: Soybeans 2002, corn 2001. Fertilizer: 140 lb N as anhydrous, pre-plant 5 gal. 9-18-9 as starter. Herbicide: Define in a 15 inch band at planting with broadcast rate 18 oz/a. Callisto 3 oz/a and 1/2 pt/a of Atrazine post emergence. Insecticide: Aztec 6.7 oz/ 1000 ft in a T band at planting. Soil test: Hastings silt loam. Soil pH 5.4, Buffer pH 6.5, Excess lime rating- none, Organic matter 2.5%, Bray-1 P ppm 11, K ppm 407, Zinc ppm 0.66. Coordinates: N 40.7819 W -98.0371

Clay: Gravity Irrigated: Ridge tilled. Crop history: Soybeans 2002, corn 2001. Fertilizer: 160 lbs as NH3 pre-plant, 5 gal 10-34-0 at planting in the seed slice. Herbicide: 2 pt/a of Harness Plus, 26 oz/a of Roundup Ultra Max, 1.25 lb/a of Atrazine 90 DF, pre-emergence. Field preparation: Ridge tilled with 4 row Kinze planter finger pickup. Excellent planting conditions. Insecticide: None. Soil test: Soil pH 6.8, Soil salts 0.32, Excess lime rating none, Organic matter 3.2%, Bray-1 Phosphorous ppm 23, K ppm 324, Zn ppm 1.36. Wind storm on 6/22 wind speeds up to 80 mph with green snap damage ranging 0-58% and was hybrid specific corn was between the 7th and 8th leaf stage. Coordinates: N 40.57901 W -98.14481.

Phelps: Gravity Irrigated. Ridge tilled with 4 row Kinze planter with finger pickups. Good planting conditions. Crop history: Soybean 2002, corn 2001. Fertilizer: 180 lb N as anhydrous. Herbicide: Exceed 1 oz/a broadcast post emergence. Insecticide: Kernel Guard on the seed. Soil test results: Soil pH 6.4, Soil salts 0.39, Excess lime rating none, Organic matter 2.0%, Bray-1 Phosphorous ppm 19, K ppm 320, Zn ppm 0.35. Holdrege silt loam. Stalk lodging was highly variable through out the trial. Coordinates: N 40.43228 W -99.32289.

Clay: Dryland. Crop history: Soybeans 2002, summer fallow and wheat in 2001. Fertilizer: 100 lb N as 28% liquid. 5 gal 10-34-0 at planting in the seed slice. Herbicide: 13 oz/a of Epic, 1.25 lb /a of Atrazine, 26 oz/a Roundup Ultra Max pre plant on 5/7/2003. Insecticide: 3.2 oz/a of Warrior for black cutworms post emergence on 6/13. Nitrogen in depth sample 41 lb/a, Soil pH 6.0, Buffer pH 6.8, Excess lime-none, Organic matter 1.7%, P ppm 8, K ppm 403, Zn ppm 1.50. Coordinates: N 40.57731 W -98.1297.

Dixon: Dryland. Crop history: Soybeans 2002. Fertilizer: Urea 100 lbs/a. Herbicide: Balance Pro 2.0 oz + Atrazine 4L 1 qt + 2,4-D LV .5 pt/a. Post emergence Accent .67 oz + Distinct 3 oz + .25% v/v NIS. Insecticide: None. Soil test results: 0-24 inch sample: pH 6.48, K 316 ppm, Bray-P 20.6 ppm, 3.7% O.M.. Coordinates: N 42.22765 W -96.5711

Pierce: Center pivot irrigated. No-till. Crop history: 2002 Soybean. Fertilizer: 0-0-60 100 lb/a, 11-52-0 100 lb/a, 20-30-5 175 lb/a at planting with .25 Zinc and 9 Sulfur. 126 lb/a N through pivot. Herbicide: Fieldmaster 3.5 pt/a, Thinned to 28,000 stand at

the 4 leaf on June 11. Insecticide: None. Coordinates: N 42.22765 W - 97.5711 Elevation: 1769.

Custer: Pivot irrigated. Crop history: 2002 and 2001 corn. Conventional till. Fertilizer: 40 lb N, 15 S preplant; 10 lb N, 20 P, 10 lb S, 0.75 lb Zn at planting. 135 lb N as anhydrous side dressed. Herbicide: 0.75 oz Steadfast, 2.0 oz Distinct and 1.0 oz Atrazine all post emergence. Insecticide: 4.4 lb Force 3G at planting. Coordinates: N 41.49438 W - 99.87444

Dawson: Ridge-till, furrow irrigated. 2002 and 2001 corn. Fertilizer: 170 lb N preplant, 5 gal 32-0-0 at planting. Herbicide: 2.3 qt Bicep II Magnum in 18" band PRE, Marksman 2.5 qt POST. Insecticide: Counter CR 5.4/a in T band. Plot received high winds in early August causing significant damage and lodging. Coordinates: N 40.81521 W - 99.99627

Furnas: Ridge-till, furrow irrigated. 2002 soybeans, 2001 corn. Fertilizer: 160 lb N and 75 P preplant; 5 gal 10-34-0 at planting. Herbicides: 1 lb Atrazine preplant, 14 oz Basis Gold post emergence. Insecticide: None. Coordinates: N 40.30593 W -99.87444

Red Willow: Ridge till, furrow irrigated. Crop history: 2002 soybean, 2001 corn. Fertilizer: 80 lb 11-52-0 and 100 lb N as anhydrous preplant; 3 gal 10-34-0 at planting. Herbicide: 2 pt Touchdown preplant, 4 pt Bicep II Magnum in 18 inch band PRE. Insecticide: None. Coordinates: N 40.21539 W -100.7515

Lincoln: Ridge-till, furrow irrigated. Previous crop: 2002 soybeans, 2001 corn. Fertilizers: 8.5 gal/a 10-34-0 plus 0.8 lb Zn at planting. 220 lb N as anhydrous pre-plant. Herbicides: 1.5 qt Lumax, 1 lb Atrazine and 0.5 pt Banvel, early Post emergence. Insecticide: None. Coordinates: N 41.0872 W -100.7767

Dundy: Minimum tillage, pivot irrigated. Previous crop: 2002 corn, 2001 corn. Fertilizers: 17 lb N, 47 lb P, 8 lb K, 10 lb S, 0.4 lb Zn at planting. 173 lb N, 10 lb K, 32 lb S and 1 lb/a Zn post emergence either side dressed or through pivot. Herbicide: 3 qt FulTime PRE. Insecticide: 8 lb/a Pounce 1.5 G. Coordinates: N 40.2063 W -101.65788

Brown: Ridge till, furrow irrigated. Crop history: 2002, 2001 corn. Fertilizer: 39 lb N, 10 lb P, 10 lb S at planting. 209 lb N as anhydrous side dressed. Herbicide: 1.05 qt Harness and 3 oz Callisto, pre-plant. Insecticide: 4.35 lb Force 3G. Coordinates: N 42.56547 W -99.89217

Brown: No till-pivot irrigated. Crop history: 2002 soybean, 2001 corn. Fertilizer: 10 lb N, 35 lb P, 15 S as starter, 120 lb N as anhydrous side dressed, 80 lb N as 32-0-0 post emergence. Herbicide: 0.5 qt Bicep II Magnum preplant, 0.75 oz Steadfast post emergence. Insecticide: Warrior for Western bean cutworm. Coordinates: N 42.66005 W -99.95127

Hayes: No-till into wheat stubble. Crop history: 2002 wheat, 2001 fallow. Fertilizer: 14 gal 32-0-0, 6 gal 10-34-0 preplant. Herbicides: 2.8 pt Guardsman Max, 0.5 pt Banvel preplant, 24 oz

preplant burn down. Insecticide: Lorsban 8 oz/1000
Coordinates: N 40.38048 W -101.00389

No-till into wheat stubble. 2002 wheat, 2001 fallow.
Fertilizer: 7.5 gal 32-0-0, 7.5 gal 10-34-0 at planting. Herbicide: 2
Touchdown, 4 pt Bicep II Magnum preplant. Insecticide:
Lorsban at 8 oz/1000 ft. Coordinates: N40.25166 W -100.64918

No-till into wheat stubble. 2002 wheat, 2001 fallow.
Fertilizer: 80 lb N as 32-0-0 preplant. Herbicide: Dual II Mag 1.6
preplant, 25 oz Glystar, 1.25 lb Atrazine preplant. Insecticides:
Lorsban 8 oz/1000 ft. Coordinates: N 41.04897 W -100.7487

No-till into wheat stubble. 2002 wheat, 2001 fallow.
Fertilizer: 6 gal 18-13-0-0.5 as starter, 80 lb N as 32-0-0.
Herbicide: 3 applications Glyphomax Plus 20 oz Preplant, 24 oz
preplant, 16 oz Preemergence; 8 oz Banvel + 4 oz 2,4-D
post-emergence. Insecticide: Lorsban 8 oz/1000ft of row.
Coordinates: N 40.9173 W -101.80383

Sprinkler irrigated. 2002 dry beans. Fertilizer: Starter
with 40 lb P2O5, 3 lb Zn, and 10 lb S. 140 lb N with sprinkler.
Herbicide: Buctril and Distinct. Insecticide: None. Coordinates:
N 42.11831 W -102.15072

Sprinkler Irrigated: 2002 Sunflower. Fertilizer: 7 lb N,
24 lb P2O5 and 0.75 lb Zn. 150 lb N preplant. Herbicide: Atrazine
and Dual. Coordinates: N 41.23-39 W -103.01696

Scotts Bluff: Sprinkler Irrigated. Minimum tillage. Crop history:
2002 dry-edible beans. Field was fall seeded with winter wheat as
a cover crop. Fertilizer: Fields were spring disked and anhydrous
ammonia (82-0-0) was applied at the rate of 182 lbs N /a. Starter
fertilizer (10-34-0) was applied at the time of blank planting. 10.0
gals/a was applied equating to approximately 11 lbs N and 37 lbs
of P2O5 /a. Herbicide: Applied post-emergence in a 15 inch band;
treatment consisted of 2.35 oz of Celebrity Plus, 2.4 oz non-ionic
surfactant, and 12.8 oz of 28-0-0/a. Insecticide: None. Soil sam-
ple: Nitrogen in depth sample 413 lb/a, 38.3 avg ppm, Soil pH 7.2,
Lime needed 0 lb/a, Organic matter 1.4%, Bray-1 Phosphorous
ppm 32 HI, Potassium ppm 432 VHI. Coordinates: N 41.97194 W
-103.7439

Torrington, Wyoming: Sprinkler Irrigated. Crop history: 2002
Roundup Ready Sugar beet. Fertilizer: Rate of 150-50-0 after
plowing and roller packing, and then was incorporated by roller
packing again. Herbicide: Degree Extra at the rate of 2.25 qt/a on
May 27. The plots were cultivated in early June. Coordinates: N
42.559 W -104.1167

Archer, Wyoming: Dryland Corn. Fertilizer: None. Herbicide:
Degree Extra at the rate of 2.25 qt/a. Plot was abandoned due to
drought.

Cheyenne: Dryland Early Maturing. Crop history: Planted no-till
into winter wheat stubble. Fertilizer: 55 lb N preplant, Starter of 7
lb N, 24 lb P2O5, 0.75 lb Zn. Herbicide: Atrazine and Dual.
Coordinates: N 41.23562 W -102.99926

Nebraska's Top National Rankings

1st

*Commercial livestock slaughter, all species
2002 - 11,975,052,000 Lbs.*

Commercial red meat production, 2002 - 7,601,100,000 Lbs.

Commercial cattle slaughter, 2002 - 7,865,000 Lbs.

Commercial cattle slaughter, 2002 - live weight - 10,147,452,000 Lbs.

Great Northern beans production - 1,286,000 cwt.

2nd

*All cattle on feed, January 1, 2003 - 2,260,000 head
Pinto beans production, 2002 - 1,709,000 cwt*

Table A. Locations, Cooperators, Soil Types, Planting and Harvest Dates - 2003

Location	Cooperator	Soil Type	Planted	Harvested
Southeast Dryland Richardson Gage	Keithley & Sons, Verdon James Engle, Beatrice	Marshall silty caly loam Crete silty loam	May 5 April 28	Sept. 23 Sept. 29
East Central Dryland Seward Burt	Galen Roebke, Seward Lee Valley Farms, Tekamah	Sharpsburg silty clay loam Colo silty clay loam	May 12 May 16	Oct. 2 Oct. 23
Southeast Irrigated Saunders Hamilton	Ray Kucera, Cedar Bluffs Mike Campbell, Aurora	Hastings silt loam Hastings silt loam	May 22 May 17	Oct. 22 Oct. 23
South Central Irrigated Clay Phelps	SCAL, Clay Center L. C. Jacobson Farms, Holdrege	Hastings silt loam Holdrege silt loam	May 15 May 13	Oct. 22 Oct. 28
South Central Dryland Clay	SCAL, Clay Center	Crete loam	May 22	Oct. 24
Northeast Pierce Irrigated Dixon Dryland	Joel Carpenter, Plainview Haskell Ag Lab	Thurman loamy fine sand Maskell loam	May 13 May 21	Oct. 31 Oct. 25
Southwest Irrigated Furnas Red Willow	Steve Henry, Arapahoe Cappel Farms, McCook	Hord silt loam Hord silt loam	April 30 April 28	Sept. 19 Oct. 15
Central Irrigated Custer Dawson	Don Cantrell, Merna Worrell Farms, Cozad	Hersh fine sandy loam Cozad silt loam	May 14 May 14	Oct. 22 Oct. 24
North Central Irrigated Brown Furrow Brown (c. pivot)	Steve Bejot, Ainsworth Wayne Wescott, Ainsworth	Johnstown loam Johnstown loam	May 19 May 19	Oct. 23 Oct. 23
West Central Lincoln Dundy	WCREC, North Platte Shad Stamm, Benkelman	Cozad silt loam Valentine sand	May 13 May 5	Oct. 14 Oct. 20
Southwest No-till Hayes Red Willow	Dennis Riener, Palisade Cappel Farms, McCook	Kuma silt loam Keith silt loam	May 20 May 20	Oct. 16 Oct. 2
West Central No-till Lincoln Perkins	WCREC, North Platte Mike McArtor, Grant	Holdrege silt loam Rosebud loam	May 15 May 7	Oct. 3 Oct. 11
West Table Irrigated Box Butte Cheyenne	Roger Schnell High Plains Agriculture Lab	Keith loam Keith loam	May 14 May 7	Oct. 16 Oct. 15
West Valley Irrigated Scotts Bluff (furrow) Torrington, WY	Panhandle REC, Scotts Bluff Torrington Res. & Ext. Center	Tripp fine sandy loam Sandy loam	May 6 May 12	Oct. 23 Oct. 20
West Early No-Till Cheyenne Archer, WY	High Plains Agricultural Lab UW Research Center	Keith loam Sandy loam	May 6 May 7	Oct. 10 *

* Not Harvested

Table 8. 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 %
Westwest Dryland								
Richardson	30	11.6	18000	5.6	144	19.1	1	0
Gage	30	11.6	18000	10.9	87	19.4	2	2
Westwest Irrigated								
Saunders	30	7.5	28000	7.9	203	16.8	1	0
Hamilton	36	5.8	30000	3.3	229	19.6	1	0
West Central Dryland								
Seward	30	11.6	18000	10.0	140	18.9	2	0
Burt	30	11.6	18000	13.7	146	12.3	5	0
South Central Irrigated								
Clay	30	7.0	30000	6.5	253	19.4	1	0
Phelps	30	7.0	30000	5.6	240	15.8	0	0
South Central Dryland								
Clay	30	11.6	18000	9.3	116	15.4	0	0
Northeast								
Pierce Irrigated	30	8.4	25000	7.9	189	15.3	---	---
Dixon Dryland	30	11.0	19000	NS	122	15.2	---	---
Southwest Irrigated								
Furnas	30	7.0	30000	4.2	208	20.7	2	0
Red Willow	36	5.8	30000	3.5	233	14.4	1	0
West Central Irrigated								
Custer	36	5.8	30000	6.5	199	16	2	0
Dawson	36	5.8	30000	5.6	160	13	3	0
North Central Irrigated								
Brown (furrow)	30	7.0	30000	4.4	216	12.4	1	---
Brown (c. pivot)	30	7.0	30000	4.0	223	14.2	0	---
Central Irrigated								
Lincoln	30	8.6	24400	4.0	260	20.1	2	0
Dundy	30	7.0	30000	4.4	236	14.9	1	0
Southwest No-Till								
Hayes	36	11.6	15000	13.9	54	14.8	1	1
Red Willow	36	11.6	15000	---	91	20.6	0	---
West Central No-Till								
Lincoln	30	13.9	15000	27.3	22	12.2	13	3
Perkins	30	13.9	15000	25.0	22	17.1	2	5
West Table Irrigated								
Box Butte	30	6.3	33000	6.6	188	16.3	---	---
Cheyenne	30	6.3	33000	6.4	157	13.5	---	---
West Valley Irrigated								
Scotts Bluff	30	6.3	33000	4.5	209	12.8	---	---
Torrington, WY	30	6.3	33000	---	162	13.5	---	---
West Early No-Till								
Cheyenne	30	15.0	13910	14.1	64	12.4	---	---
Archer, WY	30	15.7	13300	---	---	---	---	---

NEBRASKA CORN TEST LOCATIONS 2003 CORN PERFORMANCE TESTS

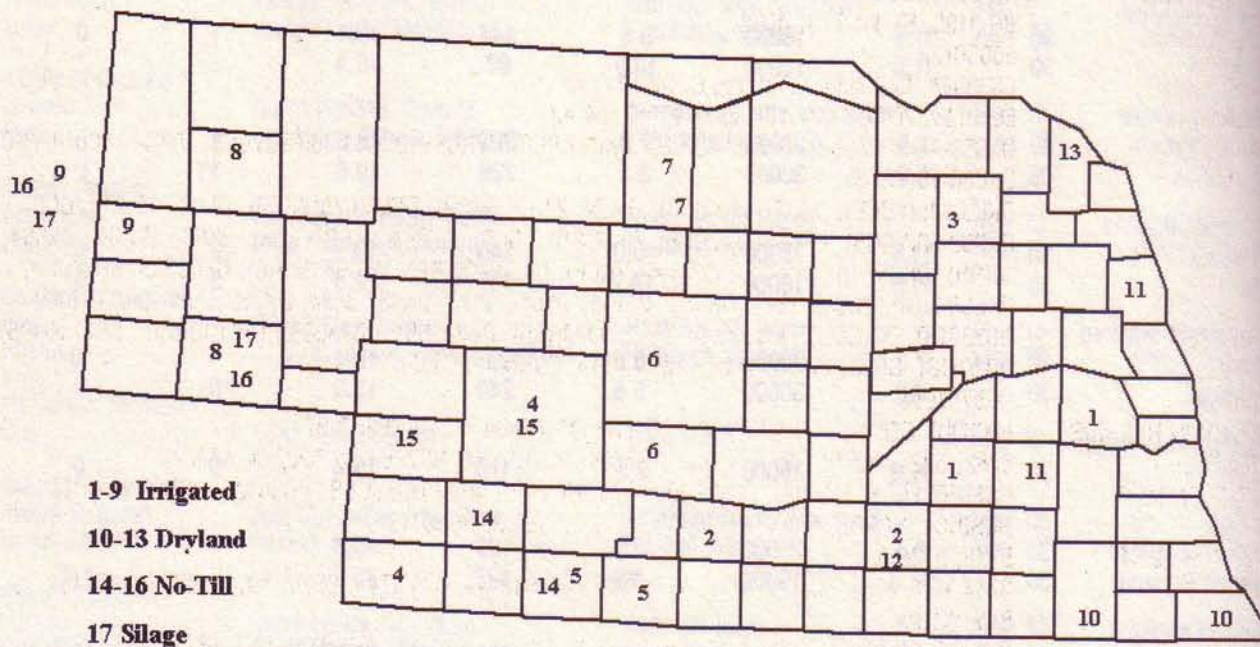


Table D. Nebraska Corn Test Entrants 2003.

Brand	Entrant	Address
Asgrow	Monsanto	3100 Sycamore Rd, DeKalb, IL 60115
Battleground/Wabash Valley	Battleground Inc. LLC	2265 W 600 N, West Lafayette, IN 47906
Bio Gene	Bio Gene Seeds	5491 Tri County Hwy, Sardinia, OH 45171
Dekalb	Monsanto	3100 Sycamore Rd, DeKalb, IL 60115
Den Besten	Ben Besten Seed Co.	Box 896 Platte, S.D. 57369
Epley Brothers Hybrids	Epley Brothers Hybrids Inc.	Box 310, Shell Rock IA 50670
Fontanelle	Fontanelle Hybrids	10981 8thSt., Fontanelle, NE 68044
Foundation Pilot Test	Monsanto	3100 Sycamore Rd, DeKalb, IL 60115
Four Star Seed Company	Four Star Seed Company	P.O. Box 88, Parleersburg, IA 50665
Garst	Garst Seed Company	R.R.1 Box 64, St Edward, NE 68660
Geertson Seed	Geertson Seed Farm	1665 Burroughs Rd, Adrian, OR 97901
Grand Valley	Grand Valley Hybrids	840 23 Road, Grand Junction, CO 81505
Hawkeye Hybrids	Hawkeye Hybrids, Inc.	2165 Idaho Drive, Pella, IA 50219
Heine Seed Corn	Heine Seed Corn	1020 E 320th St., Vermillion SD 57069
Kaystar	Kaystar Seed	P.O. Box 947, Huron SD 57350
Kruger	Kruger Seed Company	6131 North Fork Road-Ames Ia 50010
Lfy L.L.C.	Lfy L.L.C.	1281 Fourth St., Monterey, CA 93940
LG Seeds	LG Seeds	1620 Hwy 10, Gibbon, NE 68840
Midland Seed	Phillips Seed Farms Inc.	980 Hwy 15, Hope, KS 67451
Mycogen Seeds	Mycogen Seeds	1165 Summer Sun, Colby, KS 67701
NC+	NC+ Hybrids	Box 4408, Lincoln, NE 68504
NuPride	NuPride Genetics Network	P.O. Box 830911, Lincoln, NE 68583-0911
Ottilie	Ottilie RO Seed	1462 Sanford Ave., Marshalltown, Iowa 50158
Pfister	Pfister Hybrid Corn Co.	187 N. Fayette, El Paso, IL 61738
Premium Seed	Premium Seed, Inc.	P.O. Box 218, Berwick, IL 61417
Renze	Renze Hybrids, Inc.	27410 Kittyhawk Ave., Carroll, IA 51401
Sands	Sand Seed Service, Inc.	P.O. Box 648, Marcus, IA 51035
Stine	Stine Seed Company	2225 Laredo Tr., Adel, IA 50003
Trisler	Trisler Seed Farms, Inc.	3274 E 800 North Rd, Fairmont, 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
AGRO	RX752YG, RX601##, RX730YG##
BATTLEGROUND	BG 3326, BG 3343
BO GENE	BG 1132, BT 1150, BT 1152
CIRCLE	8005BT##
CROWS	C5360##, C4908##, C5402##, C2145##
DIPLAN	691BT##, 701BT##, 601BT##, 503BT##, 441##
DEALB	DKC39-48(RR/YGCB), DKC40-63(RR), DKC42-95(RR/YGCB), DKC44-46(RR/YGCB), DKC47-10(RR/YGCB), DKC50-18(YGCB), DKC52-45(YGCB), DKC57-84(YGCB), DKC58-24(RR/YGCB), DKC58-78(YGCB), DKC60-19(RR/YGCB), DKC63-50(YGCB), DKC63-79(YGCB), DKC64-01(YGCB), DKC64-11(RR/YGCB), DKC60-17(RR), DKC64-10(RR), DKC57-01, DK440, DKC44-42(YGCB), DKC46-28(RR), DKC53-33(RR), DKC53-34(RR/YGCB) DKC58-80##, DKC60-16##, DKC58-78AF##, DKC52-45##, DKC57-84##, DKC53-54##, DKC57-84##
DEW BESTEN	DB3391BT, DB3396BT, DB3300RRBT, DB3303RRBT, DB3405BT, DB3308BT, DB3d10RRBT, DBEX0310BT, DB2011BT, DB3314BT, DB3315BT, 2912BT##, 2533##, 2503##
DYNA-GRO	DG57F19##
EPLBY BROS HYBRIDS	E3630BT, E3641, E3223, E2490BT, E36R65BT, E2484, E2470, E3670BT
FONTANELLE	5282, 5234, HC7987 Bt, HC7951 Bt, 5591, HC7638 Bt, HC7886 Bt, 5282##, 4693##
FOUNDATION PILOT	HCS0103YGCB, HCS0103, HCS0102YGCB, HCS0102, HCS0106YGCB, HCS0106, HCS0104YGCB, HCS0104, HCS0105YGCB, HCS0105, HCS0113YGCB, HCS0113
FOUR STAR SEED	5758, 5738BT
GARST	8787 YG1, 8552 YG1, 8578 IT, 8371, 8288, 8484BT##, 8450IT##, 8578IT##, 8590IT##, 8371##, 8454YG1##
GRAND VALLEY	SX1395, GVX0378YGCB, GVX3378, SX1212, SX1190, SX1161, GVX5970, GVX0559RR, SX1229, SX1227
GOLDEN HARVEST	H-9164BT##, H-7615##
HAWKEYE HYBRIDS	2725, 9191, 5736BT, SX70, 02-880BT, SX65BT, SX65
HEINE SEED CORN	H825 YGCB, H827 YGCB, H838 YGCB, H851 YGCB, H824 YGCB
KAYSTAR	KX-8551RR, KX-7660Bt, KX-780Bt, KX-8770Bt, KX-890Bt, KX-5150Bt, KX-4020Bt
KRUGER	K9309 YGCB, K9308 YGCB, K9411 YGCB, K9111 YGCB, K9912 CL, K9912, EX.514 YGCB, K9412 YGCB, K9315 YGCB, K9315 RR/YGCB, K9915 YGCB, K9115, K9212 YGCB, K9212 RR/YGCB, K9314 YGCB, EX.215 YGCB, K9414, EX.115 YGCB, EX.215, K9415, K9217 YGCB, K9114+ YGCB, K9115 YGCB, K9115+ YGCB
Lfy L.L.C.	MBS3811XLfy497L
LG SEEDS	LG 2533 BT, LG 2540 BT, LG 2619 BT, LG 2622 BT, LG 2519 BT/RR
MIDLAND	7B13, 7A17Bt, 7A16RR
MYCOGEN	2R416, 2R426, 2A812##, 2K785##, 6920BT##, 2T610##
NC+	4823B, 5411, 5423B, 5411##, 4880##, 4141B##, 3902##, 2572B##, 3902##
NORTHRUP KING	N72J5##, N65M7##, N68P1##
NUPRIDE	5090B, 5112, 5123, 5133B
OTILIE	5267 Bt, 5334 Bt, 5216 Bt, 4777Bt, 5006 Bt, 5436 Bt, 5437 RRBt, 5009 RRBt
PFISTER	2656Bt, 2750 Bt, 2760, 3030 Bt, 3356 Bt
PIONEER	33P67##, 33B51##, 34N44##, 34N43##, 33G30##
PREMIUM SEED	P245, P247
RENZE	6363, 6424, 7363RR, 7444RR, 8364BT, 8454BT, 9363RR/BT, 9454RR/BT, 8492BT, 8383BT
ROTH	2097##
SANDS	SOI 9102, SOI 9126, SOI 9132, SOI 9165
STINE	9619YGCB, 8018-27, 9803YGCB
TRISLER	T-5239CB, T-5244CB, T-5255CB, T-5257CB, T-5337CB, T-5255, T-5253Bt, T-5170, T-5257CBRR, T-2370##, T-2949##
TRIUMPH	1120BTRR, 1866BT, 1416BT, 3421RR, 1302RW
UNITY SEED	US6216##
WABASH VALLEY	TL 3287 BT, TL 3347 BT, TL 3351 BT, TL 3357 BT

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

Southeast Dryland Corn Hybrid Tests Richardson and Gage Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Richardson bu/a	Gage bu/a				
PIONEER	33P67 ##	134	177	91	20.8	0	1	57.8
MIDLAND	7A17Bt	132	158	106	19.9	1	1	54.8
TRIUMPH	1866Bt	131	149	113	23.5	0	1	54.1
RENZE	9454YGCB/RR	130	154	105	19.7	1	1	54.3
WABASH VALLEY	TL3347Bt	129	153	104	17.7	1	2	57.8
PIONEER	33B51 ##	129	162	95	18.8	0	1	57.5
RENZE	8454YGCB	128	149	106	19.4	1	0	55.1
FONTANELLE	HC7951Bt	127	155	98	19.8	0	1	54.4
RENZE	8364YGCB	127	153	101	17.8	0	1	55.3
MYCOGEN	2A812 ##	126	157	94	21.3	0	2	52.2
OTTILIE	5436 Bt	126	151	101	20.0	1	1	54.5
OTTILIE	5334 Bt	123	148	97	17.3	0	1	56.1
FOUNDATION PILOT	HCS0106YGCB	123	146	99	17.6	1	0	57.7
KRUGER	K-9212 YGCB	123	157	88	18.1	1	1	54.4
KRUGER	K9212 RR/YGCB	122	146	97	18.4	1	2	54.8
FONTANELLE	HC7987Bt	122	149	95	23.8	0	1	53.3
MYCOGEN	2K785 ##	120	150	89	19.5	0	1	54.2
KRUGER	EX 215	120	139	100	20.8	5	0	55.5
WABASH VALLEY	TL3357Bt	120	149	90	18.5	1	0	55.4
BIO GENE	BT 1150	119	149	89	24.3	0	1	53.3
RENZE	9363YGCB/RR	119	144	93	17.8	1	4	55.0
DEKALB Genetics	DKC 64-11	118	148	87	18.4	0	0	57.8
WABASH VALLEY	TL3351Bt	118	154	81	21.5	0	0	55.2
KRUGER	K9115 YGCB	118	147	89	20.3	2	1	55.1
GARST SEED CO	8484Bt ##	118	141	94	19.1	0	1	55.8
RENZE	7363RR	117	142	91	16.4	1	2	55.5
RENZE	6424	116	147	84	18.0	4	2	55.4
KRUGER	K-9315 RR/YGCB	115	145	85	19.2	1	2	55.5
BIO GENE	BT 1152	115	151	79	26.1	0	2	52.8
KRUGER	EX 215 YGCB	115	143	87	19.2	0	0	56.5
KRUGER	K9114+ YGCB	114	150	78	18.4	0	1	55.0
CROW'S	C5360 ##	114	145	82	18.3	3	1	55.6
RENZE	7424RR	113	138	88	18.4	5	0	55.7
KRUGER	K9217 YGCB	113	150	75	21.5	1	1	53.9
MIDLAND	7B13	113	148	78	17.2	3	1	56.3
DEKALB Genetics	DKC 64-10	113	143	82	17.0	7	0	54.1
HAWKEYE	02-833	112	143	80	21.0	9	2	55.2
NUPRIDE	5133B	112	150	74	18.4	1	1	56.0
KRUGER	K-9915 YGCB	112	135	88	21.7	0	1	53.5
KRUGER	K9115+ YGCB	112	143	80	19.7	1	2	55.9
RENZE	6363	111	138	83	16.9	1	1	54.9
FOUNDATION PILOT	HCS0106	109	136	81	18.0	3	2	57.8
HAWKEYE	2725	109	130	88	18.8	4	1	54.9
KRUGER	K9415	108	135	80	18.6	2	2	53.9
KRUGER	K9414	107	136	78	16.8	5	1	54.7
BIO GENE	BG 1132	107	129	84	18.4	2	2	54.7
BATTLEGROUND	BG3343	106	135	76	17.6	4	3	54.5
MIDLAND	7A16RR	106	129	83	18.7	4	3	55.3
KRUGER	K-9315 YGCB	103	141	65	20.0	1	5	55.6
CROW'S	C4908 ##	103	137	69	16.5	1	3	55.7
KRUGER	EX 115 YGCB	100	148	51	22.4	1	4	52.3
FOUNDATION PILOT	HCS0104YGCB	96	120	71	15.2	1	2	57.6
FOUNDATION PILOT	HCS0104	86	107	64	13.9	3	1	57.9
Average all entries		116	144	87	19.1	1	1	55.2
Dif. Req. for Sig. 5%		13.5	16	19	3.1	NS	NS	2.0
## entered by UN-L Agronomy Department								

BLUE RIBBON

Performance

If high yields and more profits—year after year—are important to you, then plant more Garst® products. Garst is the best choice for strong agronomics, the widest selection of technology traits and financing programs that fit your needs. That's why more and more champions insist...It's Gotta Be Garst!

Garst®
Commitment · Performance · Technology

1-888-GO-GARST www.garstseed.com

Garst® is a registered trademark of ADVANTA USA, Inc. ©2003

Southeast Irrigated Corn Hybrid Tests Saunders and Hamilton Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Saunders bu/a	Hamilton bu/a				
RENZE	9454YGCB/RR	240	244	235	18.7	1	0	55.0
FOUNDATION PILOT	HCS0113YGCB	238	227	248	18.2	0	0	56.0
DEKALB Genetics	DKC 60-19	234	219	249	18.4	1	0	57.2
GOLDEN HARVEST	H-9164Bt ##	234	215	253	18.5	0	0	54.2
KRUGER	K9115 YGCB	233	219	247	19.2	1	0	53.7
RENZE	8454YGCB	232	222	241	19.0	0	0	53.6
TRISLER	T-5257CBRR	231	217	245	18.9	1	0	55.6
TRISLER	T-5257CB	229	214	244	19.2	1	0	54.5
RENZE	9363YGCB/RR	228	209	246	17.8	0	0	56.6
TRISLER	T-5244CB	227	205	248	18.2	0	0	55.5
KRUGER	K9115+ YGCB	227	207	247	18.6	0	0	54.3
FOUR STAR SEED	5738Bt	226	208	244	17.5	1	0	57.2
PIONEER	33B51 ##	226	226	226	18.5	0	0	56.2
OTILIE	5436 Bt	225	210	240	18.7	0	0	53.7
OTILIE	5006 Bt	225	214	236	17.5	0	0	55.7
DEKALB Genetics	DKC 60-17	225	213	236	18.4	1	0	54.9
HAWKEYE	02-880Bt	224	204	244	19.1	1	0	54.8
KRUGER	K9114+ YGCB	224	212	236	18.0	0	0	54.7
OTILIE	5216 Bt	223	205	240	18.4	1	0	60.5
DEN BESTEN	3314Bt	223	224	221	19.2	0	0	55.4
PIONEER	33P67 ##	222	220	224	18.9	0	0	54.7
MYCOGEN	2A812 ##	222	209	234	18.1	0	0	54.7
LG SEEDS	LG 2622 Bt	221	193	249	18.6	0	0	55.4
KRUGER	K9217 YGCB	221	206	236	19.5	0	0	54.5
MYCOGEN	6920Bt ##	221	199	243	18.4	0	0	55.2
RENZE	7363RR	220	208	232	17.6	2	0	56.8
MIDLAND	7A17Bt	220	201	238	18.3	0	0	55.4
KRUGER	K9212 RR/YGCB	219	191	247	18.0	0	0	55.6
RENZE	6424	219	210	228	17.9	4	0	55.5
RENZE	8383YGCB	218	204	232	18.6	0	0	55.0
RENZE	8364YGCB	218	198	237	17.6	0	0	56.1
STINE	9803YGCB	218	205	230	17.8	2	0	56.9
KRUGER	K-9212 YGCB	218	196	240	18.2	1	0	54.8
TRISLER	T-5253Bt	217	199	234	18.7	0	0	53.1
KAYSTAR	KX-8551RR	217	216	218	17.4	3	0	55.6
MIDLAND	7B13	216	201	231	17.5	3	0	56.1

**Garst & Kruger Corn & Bean Seed
Complete Line of Legumes & Grasses**

Glystar Plus, \$13.50
Complete Line of Chemical Products
— *Call For Low Prices*

McCord Seed Store, Inc.

Hwy. 30, Dunlap, Iowa
Ron & Dorothy McCord, Owners
S. 712-643-5185 • H. 712-643-5864



**GET RID OF
SEED BAGS!**

- ✓ Fill a 16-row planter in 8 minutes.
 - ✓ Save 2 hours per day planting.*
 - ✓ Plant 50 more acres per day.*
 - ✓ Take advantage of bulk seed savings.
 - ✓ Increase yields with faster planting.
- *Depending on planter size and speed.

SEED VAC
BULK SEED CONVEYOR

800-658-3145

Nebcom Agri Distributing

Elm Creek, Nebraska • email: nebcom@nebi.com

Southeast Irrigated Corn Hybrid Tests Saunders and Hamilton Counties - 2003 (con't.)

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Saunders bu/a	Hamilton bu/a				
WINDSOR	KX-8770Bt	214	192	235	18.7	0	0	55.1
WINDSOR	EX 115 YGCB	213	208	218	19.9	0	0	53.6
WINDSOR	K-9315 YGCB	213	195	231	19.0	0	0	55.7
WINDSOR	SX70	213	199	226	17.1	4	0	55.9
WINDSOR	3356Bt	213	183	243	19.4	0	0	54.9
WINDSOR	SOI 9165	213	215	211	18.9	3	0	54.0
FOUNDATION PILOT	HCS0113	211	212	210	17.3	2	0	56.1
WINDSOR	7424RR	210	202	218	17.6	4	0	54.6
WINDSOR	K9415	210	191	229	18.3	3	0	54.1
WINDSOR	SOI 9126	210	194	225	17.6	4	0	55.2
WINDSOR	BG3326	209	191	227	17.8	2	0	56.9
WINDSOR	8484Bt ##	209	184	233	18.3	1	0	58.4
WINDSOR	TL3287Bt	209	197	221	17.1	0	0	55.5
WINDSOR	DKC 64-10	209	208	209	17.8	1	0	54.9
WINDSOR	8492YGCB	209	208	210	19.1	0	0	54.8
WINDSOR	5282	209	192	226	18.4	3	0	53.5
WINDSOR	2750Bt	208	171	244	18.1	1	0	57.6
WINDSOR	K9414	208	205	211	18.8	3	1	54.6
WINDSOR	K-9315 RR/YGCB	208	195	220	18.2	0	0	55.4
WINDSOR	7A16RR	208	200	215	17.8	4	0	54.7
WINDSOR	1120BtRR	206	186	226	17.8	0	0	55.5
WINDSOR	5411 ##	206	199	213	18.0	4	0	54.6
WINDSOR	5234	205	187	222	17.6	1	0	54.4
WINDSOR	SOI 9132	205	204	205	17.4	1	0	55.5
WINDSOR	K-9915 YGCB	203	183	222	19.4	0	0	54.7
WINDSOR	5758	203	184	222	18.5	5	0	54.7
WINDSOR	DKC 64-11	202	195	208	18.6	0	0	53.9
WINDSOR	1302RW	199	196	202	16.7	4	0	56.1
WINDSOR	5736Bt	199	170	228	18.3	0	0	55.6
WINDSOR	5123	197	167	227	18.0	3	0	55.8
WINDSOR	EX 215	195	187	202	18.8	3	0	55.2
WINDSOR	P245	195	191	199	17.1	4	1	57.1
WINDSOR	EX 215 YGCB	195	189	201	18.0	2	0	57.3
WINDSOR	N 72J5 ##	194	167	220	17.4	5	0	54.7
Average all entries		215	203	229	18.2	1	0	55.4
Diff. Req. for Sig. 5%		16	32	15	1.0	2	0	2.7
## entered by UN-L Agronomy Department								

Southeast Irrigated Corn Hybrid Tests 2001-2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
PIONEER	33P67 ##	242	18.5	0	0	57.2
RENZE	8383YGCB	236	18.2	0	0	56.9
KRUGER	K9115+ YGCB	236	18.1	0	0	56.5
FOUR STAR SEED	5738Bt	235	17.4	1	0	57.6
PIONEER	33B51 ##	234	18.1	0	0	57.2
FONTANELLE	5282 ##	233	17.9	2	0	55.4
RENZE	8492YGCB	233	18.4	0	0	55.6
HAWKEYE	SX70	231	17.0	2	0	57.2
HAWKEYE	5736Bt	225	17.8	0	0	57.1
FOUR STAR SEED	5758	223	18.0	2	0	56.0
SANDS	SOI 9132	221	17.1	0	0	56.8
SANDS	SOI 9126	219	17.0	2	0	57.0
TRIUMPH	1120BtRR	217	17.1	0	0	57.7
Average all entries		230	17.8	1	0	56.8
Difference req. for sig. 5%		NS	0.2	NS	NS	NS
3 Year Averages						
HAWKEYE	SX70	223	17.4	4	0	57.1
TRIUMPH	1120BtRR	217	17.2	1	0	57.9
Average all entries		220	17.3	2	0	57.5
Difference req. for sig. 5%		NS	0.2	NS	NS	NS
## entered by UN-L Agronomy Department						

South Central Irrigated Corn Hybrid Tests Clay and Phelps Counties - 2003

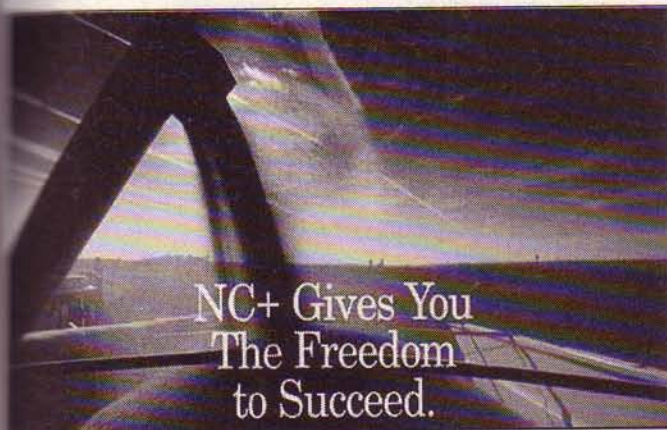
Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct
		Average bu/a	Clay bu/a	Phelps bu/a			
PFISTER	2750Bt	271	290	251	17.7	0	0
KAYSTAR	KX-890Bt	271	296	246	17.2	0	0
STINE	9803YGCB	270	285	255	19.0	0	0
KRUGER	K9114+ YGCB	267	288	246	16.9	0	0
TRISLER	T-5255CB	266	284	248	17.7	0	0
OTTILIE	5216 Bt	264	284	243	18.3	0	0
TRISLER	T-5337CB	263	276	250	19.2	0	0
PIONEER	33B51 ##	263	287	239	17.9	0	0
HAWKEYE	SX65Bt	263	291	235	18.3	0	0
OTTILIE	5436 Bt	261	277	244	17.6	1	0
FONTANELLE	5282	259	277	241	18.0	1	0
KRUGER	K9415	259	275	243	17.5	1	0
PIONEER	33P67 ##	258	280	235	20.3	0	0
RENZE	9454YGCB/RR	258	274	242	17.8	0	0
PREMIUM SEED	P236	258	284	232	18.2	0	0
MYCOGEN	2A812 ##	257	276	238	18.0	0	0
TRIUMPH	1416Bt	257	267	246	17.2	0	0
PFISTER	3356Bt	257	276	237	19.1	0	0
KRUGER	K9115+ YGCB	257	277	237	17.4	0	0
NORTHROP KING	N 72J5 ##	257	271	243	17.0	4	0
HAWKEYE	SX70	255	271	238	17.1	2	0
KRUGER	K-9915 YGCB	255	275	234	18.5	2	0
NUPRIDE	5112	255	257	253	17.8	1	0
TRISLER	T-5257CB	254	264	244	17.6	1	0
OTTILIE	5334 Bt	254	279	229	16.9	0	0
WABASH VALLEY	TL3351Bt	252	267	237	18.3	0	0
HAWKEYE	02-880Bt	252	248	256	18.3	0	0
WABASH VALLEY	TL3347Bt	251	275	226	16.4	0	0
KRUGER	K9414	251	263	239	18.2	2	0
GOLDEN HARVEST	H-9164Bt ##	250	270	229	17.0	0	0
NC+	5411##	250	247	253	17.8	1	1
DEKALB Genetics	DKC 64-10	249	262	235	17.1	1	1
RENZE	6424	248	240	255	17.7	2	0
KRUGER	K9217 YGCB	248	256	240	18.8	1	0
KRUGER	K9115 YGCB	248	247	249	18.1	0	0
KRUGER	EX 215	247	260	234	19.0	3	0
KRUGER	EX 115 YGCB	246	261	230	18.6	0	0
PFISTER	3030Bt	244	262	226	17.9	1	0
DEKALB Genetics	DKC 64-11	243	254	231	17.2	0	0
PFISTER	2760	240	258	222	18.1	2	1
RENZE	8454YGCB	238	237	238	17.6	0	0
RENZE	7424RR	233	235	230	17.8	3	1
FOUNDATION PILOT	HCS0103YGCB	232	231	233	15.7	0	0
KRUGER	K-9315 RR/YGCB	232	218	246	17.4	0	0
FOUNDATION PILOT	HCS0103	231	231	231	16.0	1	0
RENZE	8364YGCB	227	199	254	17.5	0	0
KRUGER	K-9212 YGCB	226	214	237	16.9	0	0
KAYSTAR	KX-8770Bt	226	208	244	17.8	1	0
RENZE	9363YGCB/RR	225	195	255	17.3	0	0
PFISTER	2656Bt	224	213	234	17.0	0	0
KRUGER	K9212 RR/YGCB	223	199	246	17.0	0	0
KRUGER	EX 215 YGCB	214	225	202	17.0	1	0
FONTANELLE	5234	211	173	249	16.5	1	1
MIDLAND	7B13	211	187	235	16.6	1	0
TRIUMPH	1302RW	210	183	237	16.0	1	0
KRUGER	K-9315 YGCB	208	186	230	17.4	0	0
Average all entries		246	253	240	17.6	1	0
Dif. Req. for Sig. 5%	NS	NS	33	27	1.2	NS	NS

entered by UN-L Agronomy Department\

South C
 HAWK
 PONTAN
 PIONEER
 PIONEER
 KRUGER
 Average
 Differen
 ## ente
 Y
 Com
 Farm I
 your
 y
 See all
 www.r
 800-27
 Seed Guide

South Central Irrigated Corn Hybrid Tests 2002 - 2003

Hybrid	Average Yield bu/a	Grain ## entered by UN-L Agronomy Department pct	Broken ## entered by UN-L Agronomy Department pct	Dropped ## entered by UN-L Agronomy Department pct
2 Year Averages				
WINSTAR	KX-890Bt	253	17.6	0
WINKEYE	SX70	245	17.8	1
MONTANELLE	5282	245	18.3	1
PIONEER	33P67 ##	244	19.9	0
PIONEER	33B51 ##	240	18.5	0
KRUGER	K9115+ YGCB	235	18.0	0
Average all entries		244	18.3	0
Difference req. for sig. 5%		NS	NS	NS
## entered by UN-L Agronomy Department				



You deserve a seed company that works as hard as you do. That's NC+.

Combine NC+ Early Payment Discounts and Farm Plan® Financing for additional savings on your seed purchases. Contact your local NC+ Dealer.



See all the NC+ products at www.nc-plus.com or call 800-279-7999.

Independent.

CHECK US OUT!

JACOBSEN HYBRIDS

Southeast Nebraska Corn growers test plot at Plymouth, Nebraska — **Jacobsen Hybrid corn was second** out of 20 entries, with an average of **244.9 bu./acre**. Plot average was 226 bu./acre.

Leonard Miller Neligh, NE		Soybeans		PLANTING DATE: May 25, 2003 HARVEST DATE: October 4, 2003	
BRAND NAME	VARIETY	% MOIST	TEST WT.	YIELD	
Pioneer Brand	9233	8.9	57	62.4	
Jacobsen	814	8.9	57.5	64.7	

Wachter Bros. Dryland corn test plot, Norfolk, Nebr. Jacobsen averaged **171.92 bu./acre**

Dean Bosse Elk Point, SD		Corn		PLANTING DATE: April 24, 2003 HARVEST DATE: October 15, 2003	
BRAND NAME	VARIETY	% MOIST	TEST WT.	YIELD	
Pioneer Brand	34N44 CB	16.2	59.1	176.78	
Jacobsen	4637	15.4	56.4	176.88	

Ben Schole Hooper, NE		Soybeans		PLANTING DATE: May 28, 2003 HARVEST DATE: Sept. 26, 2003	
BRAND NAME	VARIETY	% MOIST	TEST WT.	YIELD	
Jacobsen	814	10.1		32.81	
Jacobsen	814	9.9		34.68	
Asgrow	2553	11.5		34.07	
Jacobsen	826	11.6		33.44	
Jacobsen	826	11.2		33.00	
Pioneer Brand	9306	10.8		29.18	
Pioneer Brand	9306	10.7		27.82	
Asgrow	2553	11.4		34.11	

Syllaasen/Epp, Mission Hill, S.D. PLANTED: May 4, 2003 HARVESTED: Oct. 23, 2003
The corn plot average was **174.16 bu./acre**. **Jacobsen** averaged **186.87 bu./acre**.

Dixon Co. Dryland Corn Hybrid Test - 2003

Brand	Hybrid	Grain ## entered by UN-L Agronomy Department bu/a	Grain ## entered by UN-L Agronomy Department pct	Bushel ## entered by UN-L Agronomy Department lb/bu
PIONEER	34N43 ##	136.7	15.8	53.2
KAYSTAR	KX-7660Bt	132.1	14.6	52.5
KRUGER	K-9915 YGCB	133.6	15.9	52.3
KRUGER	K-9315 RR/YGCB	127.5	15.1	54.7
PIONEER	33P67 ##	127.7	14.7	54.4
FOUNDATION PILOT	HCS0103YGCB	126.8	14.8	43.1
RENZE	9363YGCB/RR	129.9	15.5	53.1
ASGROW	RX730 YG##	128.9	15.5	52.8
KRUGER	K-9315 YGCB	129.0	15.5	49.6
DEN BESTEN	EX0310Bt	126.3	15.1	52.3
RENZE	8383YGCB	129.2	15.9	44.7
EPLEY BROS HYBRIDS	E2490Bt	125.8	14.8	53.5
KRUGER	K-9212 YGCB	128.2	15.7	53.8
FOUNDATION PILOT	HCS0103	125.8	15.0	54.1
DEKALB Genetics	DKC 53-34	127.5	15.9	54.6
KRUGER	K9314 YGCB	125.5	16.0	53.1
KRUGER	K-9111 YGCB	121.7	15.2	51.3
RENZE	7363RR	119.8	14.0	52.6
DEN BESTEN	3314Bt	121.4	15.0	54.0
PIONEER	34N44 ##	120.1	14.9	46.1
KRUGER	K-9309 YGCB	121.2	15.0	52.0
SANDS	SOI 9132	121.6	15.6	52.2
PIONEER	33B51 ##	121.0	15.2	53.2
EPLEY BROS HYBRIDS	E3630Bt	119.6	14.3	51.5
PIONEER	33G30 ##	120.3	15.6	52.1
DEKALB Genetics	DKC 60-19	119.1	14.8	51.5
EPLEY BROS HYBRIDS	E3641	119.8	15.2	52.3
EPLEY BROS HYBRIDS	E3223	118.9	14.9	54.9
DEKALB Genetics	DKC 60-17	119.0	15.5	49.5
EPLEY BROS HYBRIDS	E36R65Bt	117.3	15.2	49.7
KAYSTAR	KX-8551RR	114.7	14.3	49.8
KAYSTAR	KX-780Bt	117.5	15.7	49.5
KRUGER	K-9308 YGCB	115.5	15.5	51.3
RENZE	8364YGCB	115.9	15.3	53.3
DEKALB Genetics	DKC 53-33	113.2	14.9	59.0
KRUGER	K-9212	113.1	15.5	51.3
KRUGER	K9212 RR/YGCB	113.9	15.7	52.0
EPLEY BROS HYBRIDS	E3670Bt	112.3	15.6	52.4
RENZE	8454YGCB	108.4	14.6	55.1
EPLEY BROS HYBRIDS	E2484	103.4	14.7	54.7
Average all entries		121.7	15.2	52.1
Difference required for significance	NS		1.0	7.4
## entered by UN-L Department of Agronomy and Horticulture. 1 Value represents \$2.00 corn after drying cost of 3.5 cents per bushel per point of moisture are subtracted.				

Northeast Irrigated Corn Hybrid Tests - 2001 - 2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
OTTILIE	5267Bt	217	16.5	0	0	54.1
DEN BESTEN	3314Bt	213	16.8	0	0	53.5
RENZE	6363	211	16.5	0	1	54.2
EPLEY BROS HYBRIDS	E2490Bt	201	16.1	0	0	52.7
DEN BESTEN	3308Bt	200	16.3	0	0	53.5
EPLEY BROS HYBRIDS	E3630Bt	198	16.7	0	0	53.1
EPLEY BROS HYBRIDS	E3641	198	16.2	0	0	51.9
SANDS	SOI 9132	198	16.3	0	0	59.4
EPLEY BROS HYBRIDS	E3223	194	16.3	0	2	50.7
EPLEY BROS HYBRIDS	E2470	189	16.2	0	0	52.3
SANDS	SOI 9126	189	16.5	0	0	50.2
SANDS	SOI 9102	188	16.2	0	1	50.9
ASGROW	RX730 YG##	171	16.7	0	3	52.9
Average all entries		197	16.4	0	0	53.0
Difference req. for sig. 5%		NS	0.1	NS	NS	NS
3 Year Averages						
EPLEY BROS HYBRIDS	E3630Bt	204	16.8	2	1	53.1
SANDS	SOI 9102	200	16.3	2	3	52.5
EPLEY BROS HYBRIDS	E3223	196	16.5	5	3	52.1
EPLEY BROS HYBRIDS	E2490Bt	194	16.2	2	1	52.6
EPLEY BROS HYBRIDS	E2470	193	16.4	2	1	52.3
ASGROW	RX730 YG##	190	16.9	2	2	53.4
Average all entries		196	16.5	2	1	52.7
Difference req. for sig. 5%		NS	0.1	NS	NS	NS
## entered by UN-L Agronomy Department						

Unlabeled Co. Irrigated Corn Hybrid Test - 2003

Hybrid	Grain ## entered by UN-L Agronomy Department bu/a	Grain ## entered by UN-L Agronomy Department pct	Broken ## entered by UN-L Agronomy Department pct
33B51 ##	214.9	15.5	0.0
5234	213.8	15.3	0.0
33P67 ##	214.1	15.3	0.0
3314Bt	208.5	15.6	0.0
8364YGCB	207.0	15.3	0.0
KX-8551RR	207.0	15.5	0.0
H825 YGCB	207.8	15.9	0.0
K9115 YGCB	205.0	15.4	0.0
9454YGCB/RR	203.2	15.3	0.0
E3670Bt	200.1	15.2	0.0
K-9315 RR/YGCB	201.0	15.7	0.0
34N43 ##	199.9	15.5	0.0
5267Bt	199.8	15.3	0.0
K-9315 YGCB	199.7	15.5	0.0
HC7638Bt	196.6	15.2	0.0
6363	197.0	15.2	0.0
EX0310Bt	197.5	15.6	0.0
K-9411 YGCB	195.6	15.4	0.9
K9212 RR/YGCB	194.2	15.0	0.0
HC7886Bt	197.0	15.7	0.0
SOI 9126	194.8	15.4	0.3
5090B	192.3	15.0	0.0
H827 YGCB	194.5	15.4	0.0
6424	194.7	15.4	0.6
SOI 9132	191.1	15.1	0.0
7424RR	194.5	15.8	0.0
E2484	191.2	15.0	0.0
K9114+ YGCB	192.7	15.3	0.0
KX-7660Bt	191.3	15.2	0.0
9363YGCB/RR	191.7	15.2	0.0
H838 YGCB	191.6	15.5	0.0
5334 Bt	190.2	15.3	0.3
DKC 58-78	188.3	15.0	0.0
8454YGCB	189.7	15.3	0.0
H851 YGCB	190.2	15.6	0.0
EX 514 YGCB	187.9	15.2	0.0
K-9308 YGCB	187.3	15.0	0.0
E2490Bt	185.6	15.0	0.3
33G30 ##	186.7	15.2	0.0
SOI 9102	185.4	15.1	0.3
E2470	184.6	14.9	0.3
KX-780Bt	184.5	15.0	0.0
8018-27	186.8	15.6	0.3
7363RR	185.2	15.4	0.0
5216 Bt	184.5	15.5	0.0
E3641	182.3	14.9	0.3
DKC 60-19	183.3	15.4	0.3
EX 115 YGCB	185.1	16.0	0.0
H824 YGCB	182.6	15.4	0.9
34N44 ##	181.1	15.3	0.0
E3223	180.8	15.2	0.3
K-9111 YGCB	177.9	15.1	0.0
DKC 57-01	178.6	15.1	0.0
E3630Bt	181.8	15.7	0.0
3308Bt	177.1	15.0	0.0
HCS0102	175.9	14.9	0.6
9619YGCB	174.8	15.4	0.0
HCS0103YGCB	172.1	15.3	0.0
DKC 60-17	173.3	15.6	0.0
HCS0102YGCB	167.7	14.8	0.9
HCS0103	167.1	15.0	0.0
RX730 YG##	155.0	15.5	0.0
K9414	142.0	15.6	1.8
Average all entries	189.4	15.3	0.1
Difference required for significance	30.0	0.6	0.8

entered by UN-L Department of Agronomy and Horticulture

1 Value represents \$2.00 corn after drying cost of 3.5 cents per bushel per point of moisture are subtracted.

Southwest Irrigated Corn Hybrid Tests Furnas and Red Willow Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel weight lb/bu
		Average bu/a	Furnas bu/a	Red Willow bu/a				
KAYSTAR	KX-8770Bt	240	217	263	18.1	1	0	57.7
GARST SEED CO	8371	239	218	260	18.3	4	0	58.0
NC+	5423B	239	218	260	18.5	1	0	58.0
ROTH	2097 ##	238	211	265	18.0	2	0	58.0
NC+	5411##	238	219	256	17.7	2	0	58.0
KAYSTAR	KX-890Bt	236	220	251	17.3	1	0	58.0
FONTANELLE	HC7987Bt	234	205	262	20.6	2	1	58.0
STINE	9803YGCB	234	229	238	17.7	1	0	57.4
CROPLAN	691 Bt ##	234	221	246	17.8	0	0	56.8
DEKALB Genetics	DKC 63-79	233	217	248	18.0	1	0	57.2
OTTILIE	5216 Bt	230	219	240	18.1	1	1	57.3
LG SEEDS	LG 2622 Bt	228	214	242	17.8	1	0	58.0
PIONEER	33B51 ##	226	222	230	18.2	1	1	57.4
CROPLAN	701 Bt ##	224	216	232	17.2	1	0	57.4
TRIUMPH	1416Bt	222	197	246	16.9	0	0	56.5
DEKALB Genetics	DKC 63-50	219	213	224	16.9	3	0	56.2
FOUNDATION PILOT	HCS0113YGCB	217	213	220	17.1	2	0	55.7
FONTANELLE	5282	217	196	237	18.1	3	0	57.5
FOUNDATION PILOT	HCS0113	215	199	230	16.5	2	0	56.2
TRIUMPH	1120BtRR	215	212	217	16.9	1	1	57.9
GARST SEED CO	8288	215	195	234	23.1	6	1	57.7
DEKALB Genetics	DKC 64-11	214	205	223	18.1	1	0	57.5
NC+	3709 ##	214	198	230	13.4	3	1	56.5
NC+	4880 ##	210	196	223	17.3	2	0	57.7
FOUNDATION PILOT	HCS0103	209	201	216	15.1	2	0	56.0
FOUNDATION PILOT	HCS0103YGCB	208	201	214	15.5	1	0	58.6
FONTANELLE	5591	203	184	222	17.4	3	1	57.4
PIONEER	34N44 ##	203	205	200	17.6	1	1	56.4
GARST SEED CO	8450IT ##	202	198	205	17.5	2	0	55.3
DEKALB Genetics	DKC 64-01	189	182	196	17.6	1	0	57.3
Average all entries		221	208	233	17.6	2	0	56.8
Dif. Req. for Sig. 5%		19	18	16	2.2	2	NS	NS

Southwest Irrigated Corn Hybrid Tests - 2001 - 2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
GARST SEED CO	8371	246	16.7	2	0	57.8
KAYSTAR	KX-890Bt	239	15.7	1	0	58.0
NC+	5411 ##	234	16.3	2	0	57.5
GARST SEED CO	8288	229	19.3	3	1	57.8
PIONEER	33B51 ##	222	16.3	0	0	58.3
NC+	4880 ##	218	16.0	1	0	58.5
TRIUMPH	1120BtRR	215	15.4	0	0	58.9
DEKALB Genetics	DKC 64-01	209	16.1	1	0	58.1
Average all entries		227	16.5	1	0	58.1
Difference req. for sig. 5%		NS	NS	NS	NS	NS
3 Year Averages						
NC+	5411	228	16.2	2	0	58.0
PIONEER	33B51 ##	222	16.4	2	0	58.9
TRIUMPH	1120BtRR	213	15.4	1	0	59.3
Average all entries		221	16.0	2	0	58.7
Difference req. for sig. 5%		NS	0.2	NS	NS	0.1

Southwest No-Till Corn Hybrid Tests Hayes and Red Willow Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Hayes bu/a	Red Willow bu/a				
WILSON SEED CO	8578 IT ##	77	63	91	16.8	3	4	55.6
DEKALB Genetics	DKC 58-78	77	54	99	15.9	0	0	56.2
WILSON	2097 ##	77	59	94	20.2	1	0	56.2
PIONEER	33B51 ##	77	58	95	18.2	1	1	55.8
PIONEER	34N44 ##	73	57	88	15.8	0	0	55.7
DEKALB Genetics	DKC 63-79	70	49	91	21.7	0	0	55.4
ASGROW	RX752 YG	67	45	89	16.4	1	0	55.7
WILSON SEED CO	8590 ##	66	46	85	17.1	1	0	56.3
Average all entries		73	54	91	17.5	1	1	55.8
Dif. Req. for Sig. 5%		NS	15	NS	3.2	1	2	NS

entered by UN-L Agronomy Department

West Central No-Till Corn Hybrid Tests Lincoln and Perkins Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Lincoln bu/a	Perkins bu/a				
DEKALB Genetics	DKC 44-46	30	31	28	10.7	9	7	54.5
DEKALB Genetics	DKC 42-95 ##	28	31	25	11.5	6	4	55.5
TRISLER	T-2370 ##	28	32	24	12.9	9	9	54.1
TRISLER	T-2949 ##	27	24	29	15.1	10	5	55.0
GOLDEN HARVEST	H-7615##	26	27	25	10.9	8	6	54.6
DEKALB Genetics	DKC 50-18	26	26	25	12.7	9	9	54.6
DEN BESTEN	2533 ##	25	22	27	15.0	15	6	55.3
LG SEEDS	LG 2503 RR ##	25	25	25	14.8	2	1	55.2
DEKALB Genetics	DKC 52-45	24	23	24	13.1	7	3	56.0
DEKALB Genetics	DKC 53-34 ##	23	22	23	13.6	4	2	54.4
DEKALB Genetics	DKC 58-78	22	22	22	20.3	6	5	54.3
FONTANELLE	4693 ##	20	19	21	15.4	7	4	55.9
ASGROW	RX601 ##	19	17	21	15.7	10	5	55.1
LG SEEDS	LG 2519 Bt/RR	18	21	15	#N/A	7	5	#N/A
LG SEEDS	LG 2533 RR ##	17	21	12	12.4	4	3	54.2
DEN BESTEN	2503 ##	17	10	23	14.1	12	3	55.2
TRIUMPH	1120BtRR	16	11	21	28.4	5	4	54.1
LG SEEDS	LG 2533Bt	14	13	15	16.8	3	2	54.6
MYCOGEN	2T610 ##	13	13	13	16.7	8	0	54.6
Average all entries		22	22	22	14.7	7	4	54.9
Dif. Req. for Sig. 5%		7	11	11	4.2	NS	NS	NS

entered by UN-L Agronomy Department

West Central Irrigated Corn Hybrid Tests Lincoln and Dundy Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Lincoln bu/a	Dundy bu/a				
GRAND VALLEY	GVX0378YGCB	268	276	260	17.0	1	0	58.3
ASGROW	RX752 YG	267	283	251	17.7	0	0	58.3
TRIUMPH	1416Bt	267	282	251	17.3	0	1	58.3
HAWKEYE	02-880Bt	265	274	256	19.7	1	0	58.1
DEN BESTEN	3314Bt	265	290	239	19.1	1	0	57.8
DEKALB Genetics	DKC 63-50	265	279	250	18.5	0	0	58.2
KAYSTAR	KX-8770Bt	263	287	239	18.9	1	0	58.5
LG SEEDS	LG 2619 Bt	261	276	246	18.7	1	0	58.5
HAWKEYE	SX65Bt	260	270	249	18.9	1	0	58.9
CROW'S	C5402 ##	260	273	247	18.8	0	0	59.4
FONTANELLE	HC7951Bt	259	286	232	19.1	1	0	57.2
OTTILIE	5334 Bt	258	272	244	17.3	3	0	57.0
NC+	5411	258	263	252	18.1	3	0	57.0
TRISLER	T-5337CB	258	274	242	19.9	1	0	57.8
PIONEER	33B51 ##	257	268	246	18.8	0	0	57.8
DEN BESTEN	2912Bt ##	255	258	252	17.2	0	0	58.5
MYCOGEN	2A812 ##	253	264	241	18.9	1	0	57.8
GRAND VALLEY	SX1395	252	258	246	18.6	2	1	56.7
NORTHRUP KING	N 68P1 ##	251	263	239	17.8	2	0	58.0
TRISLER	T-5257CB	250	272	228	19.3	1	0	58.6
HAWKEYE	SX70	249	257	241	17.2	3	0	57.1
FONTANELLE	5282	244	252	236	18.1	5	1	57.7
DEKALB Genetics	DKC 58-80 ##	242	251	233	15.7	0	0	58.9
NC+	4823B	242	270	213	17.3	1	0	58.7
NORTHRUP KING	N 65M7 ##	240	244	235	17.0	4	0	58.2
CROW'S	C4908 ##	240	252	228	17.1	3	0	58.5
FONTANELLE	5234	238	247	229	16.7	4	1	58.7
DEKALB Genetics	DKC 60-19	238	252	223	16.7	1	0	57.8
UNITY SEED	US6216 ##	238	248	228	16.5	3	1	58.2
GRAND VALLEY	GVX3378	235	240	230	16.8	3	0	56.5
TRIUMPH	1302RW	231	241	221	16.6	2	0	58.9
DEKALB Genetics	DKC 57-01	224	227	220	14.6	2	1	58.6
TRISLER	T-5170	223	227	219	16.9	3	0	59.3
DEKALB Genetics	DKC 60-17	219	233	205	16.5	3	1	58.4
KAYSTAR	KX-780Bt	218	229	207	15.1	0	0	56.1
CROW'S	C2145 ##	215	214	215	14.5	3	1	59.4
Average all entries		248	260	236	17.6	2	0	58.0
Dif. Req. for Sig. 5%		22	21	21	1.9	2	NS	NS
## entered by UN-L Agronomy Department								

West Central Irrigated Corn Hybrid Tests - 2001 - 2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped earpct	Bushel weight lb/bu
2 Year Averages						
DEN BESTEN	3314Bt	273	18.2	1	0	58.5
NC+	5411	267	17.5	3	0	57.0
DEN BESTEN	2912Bt ##	261	16.4	1	0	58.4
GRAND VALLEY	SX1395	260	17.9	2	1	57.6
FONTANELLE	5282	257	17.4	6	1	58.4
PIONEER	33B51 ##	256	18.4	1	0	58.0
CROW'S	C4908 ##	253	16.8	3	0	58.6
DEKALB Genetics	DKC 60-19 ##	246	16.4	3	0	59.0
Average all entries		259	17.4	2	0	58.2
Difference req. for sig. 5%		NS	0.2	1	NS	NS
3 Year Averages						
DEN BESTEN	2912Bt ##	256	15.7	1	0	58.4
PIONEER	33B51 ##	246	17.2	2	0	58.5
Average all entries		251	16.4	2	0	58.4
Difference req. for sig. 5%		NS	NS	NS	NS	NS
## entered by UN-L Agronomy Department						

Cent...
 Brand
 DEN BES...
 PIONEER...
 PIONEER...
 OTTILIE...
 HAWKEYE...
 OTTILIE...
 DEKALB...
 TRIUMPH...
 DEKALB...
 GARST S...
 Average...
 Difference...
 OTTILIE...
 OTTILIE...
 PIONEER...
 HAWKEYE...
 TRIUMPH...
 Average...
 Difference...
 ## entered...

Central Irrigated Corn Hybrid Tests Custer and Dawson Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Custer bu/a	Dawson bu/a				
HAWKEYE	02-880Bt	221	227	215	15.5	1	0	58.6
OTTLIE	DG57F19 ##	213	228	198	15.7	3	0	57.6
TRIAL	8005 Bt ##	210	224	195	16.2	1	0	59.8
JEN BESTEN	3314Bt	203	201	204	15.7	3	0	59.5
OTTLIE	T-5257CB	196	203	189	15.7	1	0	60.0
GARST SEED CO	8371	186	207	164	15.6	6	0	59.4
OTTLIE	5267Bt	186	211	160	14.7	2	0	58.6
OTTLIE	T-5244CB	185	208	162	14.4	1	0	57.5
DEKALB Genetics	DKC 63-50	185	206	163	14.4	1	0	57.4
TRION	9803YGCB	184	203	164	15.0	1	0	60.3
PIONEER	33B51 ##	184	203	164	15.5	2	0	59.9
PIONEER	33P67 ##	183	205	160	15.1	3	1	60.7
FOUNDATION PILOT	HCS0113YGCB	182	200	163	14.1	2	0	59.3
TRION	1120BtRR	182	206	157	14.5	1	0	59.8
OTTLIE	T-5239CB	182	214	150	13.5	2	0	58.5
HAWKEYE	SX65Bt	182	199	165	15.8	1	0	60.2
OTTLIE	2A812 ##	181	184	178	15.3	3	0	58.9
OTTLIE	5009 RR Bt	179	194	164	13.6	2	0	57.7
DEKALB Genetics	DKC 60-19	179	196	162	13.9	1	0	57.6
TRION	RX752 YG	177	203	151	14.2	1	0	59.0
GOLDEN HARVEST	H-9164Bt ##	177	196	157	15.4	2	0	59.7
OTTLIE	4777 Bt	177	203	150	13.6	3	0	60.6
HAYSTAR	KX-7660Bt	176	201	150	14.4	5	0	59.8
GARST SEED CO	8288	170	195	145	15.6	5	0	60.6
TRIAL	T-5255	169	193	144	14.4	5	0	58.7
DEKALB Genetics	DKC 58-78	169	199	138	12.8	1	0	59.3
HAWKEYE	SX65	168	184	151	14.5	3	0	59.3
MONTRANELLE	5282	168	194	141	14.5	6	0	59.2
FOUNDATION PILOT	HCS0113	168	194	141	13.7	4	0	58.7
HAWKEYE	SX65 ##	168	184	151	14.5	3	0	59.3
TRION	1302RW	167	179	154	13.9	5	0	59.5
HAYSTAR	KX-780Bt	166	188	144	13.0	3	1	59.7
JEN BESTEN	2011Bt	166	193	139	14.8	1	0	58.2
NORTHROP KING	N 72J5 ##	164	179	149	14.4	6	0	58.8
DEKALB Genetics	DKC 57-01	163	184	142	12.1	4	0	57.4
Average all entries		181	199	160	14.6	2	0	59.1
Dt. Req. for Sig. 5%		20	26	18	1.4	2	NS	2.0

entered by UN-L Agronomy Department

Central Irrigated Corn Hybrid Tests - 2001 - 2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
JEN BESTEN	3314Bt	208	16.5	1	0	59.2
PIONEER	33P67 ##	196	15.8	2	0	60.1
PIONEER	33B51 ##	194	16.2	1	0	59.1
OTTLIE	5267Bt	194	15.4	1	0	58.4
HAWKEYE	SX65 ##	192	15.5	2	0	58.2
OTTLIE	4777 Bt	190	14.5	2	0	59.4
DEKALB Genetics	DKC 60-19	190	14.9	1	0	58.3
TRION	1120BtRR	184	15.2	1	0	59.2
DEKALB Genetics	DKC 58-78	183	13.9	1	0	59.1
GARST SEED CO	8288	182	16.9	3	0	59.9
Average all entries		191	15.5	2	0	59.1
Difference req. for sig. 5%		NS	0.2	NS	NS	NS
3 Year Averages						
OTTLIE	5267Bt	201	15.9	1	0	59.0
OTTLIE	4777 Bt	200	14.9	1	0	59.5
PIONEER	33P67 ##	199	16.8	2	0	60.4
HAWKEYE	SX65	198	16.3	2	0	58.6
TRION	1120BtRR	194	15.8	1	0	59.5
Average all entries		198	16.0	1	0	59.4
Difference req. for sig. 5%		NS	0.3	NS	NS	0.4

entered by UN-L Agronomy Department

North Central Irrigated Corn Hybrid Tests Brown County Furrow and Pivot - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Bushel Weight lb/bu
		Average bu/a	Furrow bu/a	Pivot bu/a			
GARST SEED CO	8552YG1	243	232	253	13.9	0	56.6
LG SEEDS	LG 2540Bt	237	240	233	14.1	0	57.7
DEKALB Genetics	DKC 60-16 ##	236	239	233	14.2	1	58.5
NC+	4141B ##	235	236	233	13.9	1	58.3
GARST SEED CO	8578IT	234	226	241	13.2	1	59.3
LG SEEDS	LG 2533Bt	232	227	236	14.1	0	57.1
DEN BESTEN	3303RRBt	228	231	225	13.6	0	58.5
OTTILIE	4777 Bt	227	220	234	13.5	0	59.0
KAYSTAR	KX-8551RR	226	231	221	13.1	1	58.1
DEKALB Genetics	DKC 58-78AF ##	226	217	235	13.5	0	58.4
DEKALB Genetics	DKC 57-84 ##	226	219	233	12.9	0	57.8
DEKALB Genetics	DKC 58-78	224	219	229	13.6	0	59.7
DEKALB Genetics	DKC 58-24	224	230	218	13.5	0	59.4
KAYSTAR	KX-780Bt	224	231	216	13.3	0	58.4
DEKALB Genetics	DKC 57-84	224	206	241	12.8	1	59.6
CROPLAN	601Bt ##	221	219	223	12.9	0	60.8
FOUNDATION PILOT	HCS0104	221	218	224	14.1	0	58.5
DEN BESTEN	EX0310Bt	221	215	227	13.2	2	57.8
DEKALB Genetics	DKC 57-01	219	217	221	13.3	1	58.5
CROPLAN	503Bt ##	218	216	219	13.1	1	58.0
GARST SEED CO	8787YG1	215	214	215	13.2	0	58.5
DEN BESTEN	3405Bt	215	221	209	12.7	0	59.1
DEN BESTEN	3300RRBt	213	207	218	11.9	1	58.7
FOUNDATION PILOT	HCS0104YGCB	211	215	207	15.3	1	58.5
OTTILIE	5006 Bt	210	197	223	13.9	1	58.6
DEKALB Genetics	DKC 52-45	209	208	210	12.0	0	58.1
NC+	3902 ##	206	209	202	13.7	1	59.4
DEKALB Genetics	DKC 52-45 ##	205	196	213	11.7	1	58.6
FOUNDATION PILOT	HCS0106YGCB	201	194	208	12.9	1	58.6
CROPLAN	441 ##	201	193	209	12.5	1	58.9
FOUNDATION PILOT	HCS0106	200	189	211	13.2	2	58.5
NC+	2572B ##	197	190	204	13.1	1	59.4
Average all entries		219	216	223	13.3	0	58.6
Dif. Req. for Sig. 5%		16.7	19	18	1.1	NS	NS

entered by UN-L Agronomy Department

North Central Irrigated Corn Hybrid Tests 2002 - 2003

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
DEKALB Genetics	DKC 58-78	226	16.0	2	0	58.7
OTTILIE	4777 Bt	226	15.9	2	0	58.5
DEKALB Genetics	DKC 58-24	220	15.0	3	0	58.6
GARST SEED CO	8578IT	213	15.2	4	1	58.8
Average all entries		221	15.5	3	0	58.6
Difference req. for sig. 5%		NS	NS	NS	NS	NS

West Table Irrigated Corn Hybrid Tests Box Butte and Cheyenne Counties - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Bushel Weight lb/bu	Plant Height inches
		Average bu/a	Box Butte bu/a	Cheyenne bu/a			
DEKALB Genetics	DKC 44-46	197	207	186	14.1	56.4	94
HYGGEN	KX-5150Bt	194	220	167	14.4	56.0	95
DEKALB Genetics	DKC 42-95	193	210	175	14.4	56.9	94
HYGGEN	2R416	191	199	183	14.7	56.6	96
DEN BESTEN	3396Bt	191	222	160	14.5	56.4	93
DEKALB Genetics	DKC 47-10	187	192	181	14.7	58.2	91
HYGGEN	2R426	183	197	169	14.6	56.4	92
DEN BESTEN	3391Bt	181	194	167	14.9	57.1	95
DEKALB Genetics	DKC 39-48	177	199	154	15.3	56.9	99
TRIUMPH	3421RR	172	182	162	15.9	56.3	93
GRAND VALLEY	SX1212	170	186	154	14.7	56.5	93
GRAND VALLEY	GVX0559RR	168	176	160	12.7	58.0	89
DEKALB Genetics	DKC 40-63	165	164	165	13.1	57.4	91
GRAND VALLEY	SX1190	161	170	152	16.4	55.9	94
DEN BESTEN	3300RRBt	155	179	131	18.6	54.5	98
GRAND VALLEY	GVX5970	151	164	138	13.4	56.6	89
GRAND VALLEY	SX1161	146	158	133	15.6	56.0	91
HYSTAR	KX-4020Bt	136	173	98	16.6	56.4	96
Average all entries		173	188	157	14.9	56.6	93.0
DK. Req. for Sig. 5%		25	25	20	1.9	1.2	4.0

West Table Irrigated Corn Hybrid Tests 2002 - 2003

Brand	Hybrid	Average Yield bu/a	Grain	Broken	Dropped	Bushel	Plant Height inches
			## entered by UN-L Agronomy pct	## entered by UN-L Agronomy pct	## entered by UN-L Agronomy pct	## entered by UN-L Agronomy lb/bu	
2 Year Averages							
DEKALB Genetics	DKC 44-46	185	13.6	13	0	56.6	95
DEN BESTEN	3391Bt	181	14.1	8	0	57.2	97
GRAND VALLEY	SX1212	164	13.9	16	0	56.3	96
GRAND VALLEY	SX1190	154	14.8	8	0	56.4	94
GRAND VALLEY	SX1161	151	14.5	1	1	56.6	93
Average all entries		167	14.2	9	0	56.6	95.0
Difference req. for sig. 5%		NS	NS	NS	NS	NS	NS

Did you know



Gross expenditures for farm production in 2001 amounted to \$10.0 billion.

Did you know



Farmers and ranchers in 2001 spent \$995 million for feed purchased, \$2.4 billion for livestock and poultry purchased, and \$411 million for seed purchased.

West Valley Irrigated Corn Hybrid Tests Scotts Bluff Co., NE & Torrington WY - 2003

Brand	Hybrid	Yield			Grain Moisture pct	Bushel Weight lb/bu	Plant Height inches
		Average bu/a	SB bu/a	Torrington bu/a			
DEKALB Genetics	DKC 50-18	218	241	194	15.2	56.9	92
DEKALB Genetics	DKC 44-42	204	229	178	13.1	56.0	92
DEKALB Genetics	DKC 46-28	203	228	178	13.7	57.5	92
DEKALB Genetics	DK440	199	224	173	12.2	56.2	91
DEKALB Genetics	DKC 47-10	195	216	174	13.8	57.9	95
DEN BESTEN	3396Bt	189	204	174	12.6	56.7	94
KAYSTAR	KX-5150Bt	189	223	155	12.9	56.1	96
MYCOGEN	2R416	187	211	162	12.7	57.0	94
GRAND VALLEY	SX1227	183	195	170	13.5	56.7	93
DEN BESTEN	3391Bt	182	207	157	12.5	57.2	92
MYCOGEN	2R426	181	205	157	12.5	56.6	92
GRAND VALLEY	SX1212	179	198	160	12.6	56.8	90
DEKALB Genetics	DKC 40-63	179	197	160	11.6	57.2	89
GRAND VALLEY	GVX0559RR	178	192	164	12.6	58.5	86
GRAND VALLEY	SX1229	178	206	149	14.6	55.2	95
DEKALB Genetics	DKC 42-95	177	218	136	13.0	56.9	96
KAYSTAR	KX-4020Bt	153	179	126	14.0	56.6	93
Average all entries		186	209	162	13.1	56.8	92
Dif. Req. for Sig. 5%		20	19	NS	1.3	1.1	NS

West Valley Irrigated Corn Hybrid Tests 2001 - 2003

Brand	Hybrid	Average Yield bu/a	Grain # entered by UN-L Agronomy Department pct	Broken # entered by UN-L Agronomy Department pct	Bushel # entered by UN-L Agronomy Department lb/bu	Plant Height inches
2 Year Averages						
DEKALB Genetics	DKC 44-42	195	13.6	3	55.1	94
DEKALB Genetics	DKC 46-28	193	13.8	7	57.0	93
DEKALB Genetics	DK440	190	13.2	3	55.7	93
GRAND VALLEY	SX1212	184	13.4	4	55.9	93
GRAND VALLEY	SX1229	173	14.8	0	54.5	96
GRAND VALLEY	SX1227	169	13.7	4	56.1	94
Average all entries		184	13.7	3	55.7	94
Difference req. for sig. 5%			NS	NS	NS	0.2 NS

Cheyenne Co. No-Till Corn Hybrid Test - 2003

Brand	Hybrid	Grain Yield # entered by UN-L Agronomy Department	Grain pct # entered by UN-L Agronomy Department	Bushel # entered by UN-L Agronomy Department lb/bu	Plant inches # entered by UN-L Agronomy Department
DEN BESTEN	3391Bt	78.7	13.4	56.8	63.7
DEKALB Genetics	DKC 40-63	65.7	10.3	56.2	63.0
DEN BESTEN	3396Bt	62.4	12.7	55.8	61.5
DEKALB Genetics	DKC 42-95	50.9	13.1	55.5	63.2
Average all entries		64.4	12.4	56.1	62.9
Difference required for significance		17.7	NS	NS	NS

1 Value represents \$2.00 corn after drying cost of 3.5 cents per bushel per point of moisture are subtracted.

Central Dryland Corn Hybrid Tests Seward and Burt Counties - 2003

Name	Hybrid	Yield			Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
		Average bu/a	Seward bu/a	Burt bu/a				
WABASH VALLEY	TL3347Bt	185	172	197	14.1	2	0	60.0
WABASH	9363YGCB/RR	168	163	173	15.5	2	0	56.0
WABASH	T-5257CB	168	163	172	16.8	3	0	56.3
WABASH	K9115+ YGCB	167	163	171	16.7	4	0	56.3
WABASH	7363RR	167	141	192	13.2	5	1	56.7
WABASH	9454YGCB/RR	165	153	177	16.2	6	0	56.8
WABASH	K-9115	163	143	182	13.9	8	1	57.2
WABASH	6424	163	149	176	16.0	5	0	56.8
WABASH SEED CO	8484Bt ##	162	160	164	15.2	1	0	57.2
DEKALB Genetics	DKC 64-11	161	160	162	17.1	1	0	56.5
WABASH	33B51 ##	160	163	157	15.1	1	0	58.7
WABASH	K9212 RR/YGCB	158	151	165	15.6	1	0	56.1
WABASH	K9114+ YGCB	157	157	156	15.0	8	0	56.6
OTTILIE	5334 Bt	157	154	159	15.0	5	0	57.2
RENZE	8454YGCB	156	157	155	16.1	4	0	56.5
DEKALB Genetics	DKC 64-10	155	135	174	14.3	7	0	56.6
RENZE	7424RR	154	152	156	15.1	8	1	57.1
TRISLER	T-5244CB	154	155	153	14.6	2	0	56.3
OTTILIE	5436 Bt	153	167	139	17.0	4	0	56.2
WABASH	5411	153	149	157	15.0	10	0	57.0
NORTHROP KING	N 65M7 ##	151	151	#N/A	15.9	4	1	56.6
WABASH	7B13	149	147	151	13.5	5	1	56.9
DEKALB Genetics	DKC 60-19	148	134	162	13.4	1	1	58.4
WYCOGEN	6920Bt ##	148	132	163	15.4	4	0	57.4
KRUGER	K-9412 YGCB	147	160	133	16.0	5	0	58.9
MONTANELLE	5234	147	143	151	13.5	2	0	56.8
KRUGER	K9115 YGCB	147	144	149	17.3	2	1	56.4
KRUGER	K-9212 YGCB	147	161	132	14.9	3	1	56.8
KRUGER	K-9912 CL	146	140	151	14.7	4	0	58.9
MONTANELLE	5591	146	137	154	14.1	4	0	57.3
TRISLER	T-5239CB	146	148	144	13.6	1	0	56.3
GOLDEN HARVEST	H-9164Bt ##	145	148	141	14.7	2	0	55.0
KRUGER	K-9915 YGCB	145	149	140	18.3	2	0	55.4
KRUGER	K9217 YGCB	145	137	152	17.9	3	1	55.6
RENZE	8364YGCB	143	140	145	15.0	2	0	56.0
FOUNDATION PILOT	HCS0113YGCB	142	155	128	15.7	1	0	56.2
SANDS	SOI 9165	141	139	143	16.6	4	1	56.7
KRUGER	K-9315 YGCB	141	142	139	17.4	6	0	57.1
RENZE	6363	140	141	138	13.8	4	0	56.6
FOUNDATION PILOT	HCS0113	139	139	139	13.8	2	0	57.1
KRUGER	K-9315 RR/YGCB	139	132	146	16.1	5	0	57.5
STINE	9803YGCB	137	131	142	15.2	3	0	58.7
KRUGER	EX 215	137	129	145	19.2	6	0	57.5
DEN BESTEN	3314Bt	136	132	140	16.8	6	0	56.7
OTTILIE	5267Bt	136	142	129	14.8	4	0	57.2
PIONEER	33P67 ##	134	137	131	16.9	1	0	59.4
BIO GENE	BT 1150	131	130	131	19.5	10	0	54.9
KRUGER	EX 215 YGCB	130	133	127	17.7	8	0	58.0
FOUNDATION PILOT	HCS0105	130	112	148	13.7	4	0	57.0
TRISLER	T-5170	129	121	136	14.5	8	0	56.8
KRUGER	K9415	129	120	137	16.5	9	1	54.5
OTTILIE	5216 Bt	129	124	133	15.7	2	0	59.3
DEKALB Genetics	DKC 60-17	127	129	124	13.5	2	0	58.0
FOUNDATION PILOT	HCS0105YGCB	126	119	133	14.3	2	0	56.9
STINE	8018-27	126	109	142	14.7	2	0	56.5
STINE	9619YGCB	126	140	112	15.1	3	0	57.3
WABASH VALLEY	TL3287Bt	126	134	117	13.6	1	0	56.3
BIO GENE	BG 1132	119	119	118	17.4	1	0	55.7
KRUGER	K9414	119	120	117	15.1	8	1	56.1
BIO GENE	BT 1152	115	105	125	24.5	1	0	54.9
KRUGER	EX 115 YGCB	109	93	125	23.6	6	0	55.2
SANDS	SOI 9132	107	110	104	14.8	3	0	56.5
Average all entries		143	140	146	15.7	3	0	56.8
Dif. Req. for Sig. 5%		23	28	40	3.0	NS	NS	1.6

entered by UN-L Agronomy Department

East Central Dryland Corn Hybrid Tests 2002 - 2003

Brand	Hybrid	Average Yield bu/a	Grain # entered by UN-L Agronomy Department pct	Broken # entered by UN-L Agronomy Department pct	Dropped # entered by UN-L Agronomy Department pct	Bushel Height Inches
2 Year Averages						
PIONEER	33B51 ##	150	16.1	1	0	59.2
KRUGER	K-9115	149	15.4	5	1	57.8
KRUGER	K9115+ YGCB	144	17.0	2	0	57.2
RENZE	6363	138	14.6	2	0	57.4
FONTANELLE	5591	136	15.5	2	0	57.7
PIONEER	33P67 ##	133	17.7	0	1	59.3
OTILIE	5267Bt	129	15.9	2	1	57.8
SANDS	SOI 9132	116	15.1	2	1	57.4
Average all entries		137	15.9	2	0	57.9
Difference req. for sig. 5%		NS	0.4	NS	NS	0.3

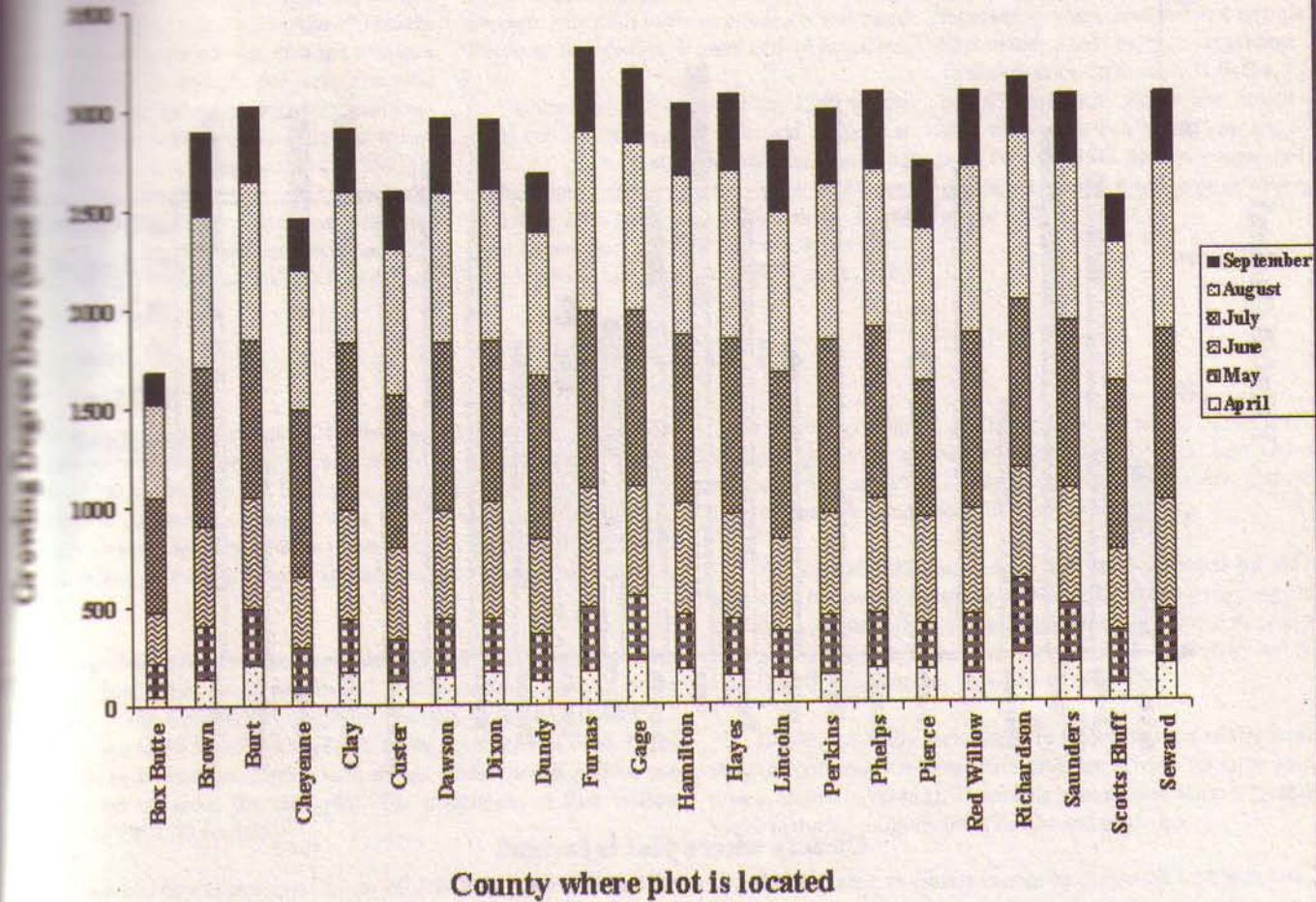
Clay Co. Dryland Corn Hybrid Test - 2003

Brand	Hybrid	Grain # entered by UN-L Agronomy Department pct	Grain # entered by UN-L Agronomy Department pct	Broken # entered by UN-L Agronomy Department pct	Dropped ears pct	Plants per acre	Plants lodging pct
OTILIE	5436 Bt	141.2	16.4	0.0	0.8	17455	0.5
WABASH VALLEY	TL3357Bt	133.4	15.4	0.0	0.0	19506	0.0
RENZE	6424	129.7	15.1	0.0	0.0	19110	0.0
KRUGER	K9212 RR/YGCB	126.9	15.2	0.0	0.0	18078	0.5
FOUNDATION PILOT	HCS0113YGCB	126.2	14.6	0.0	0.0	16406	0.0
RENZE	8454YGCB	126.4	15.2	0.0	0.0	18602	0.0
GOLDEN HARVEST	H-9164Bt ##	121.5	14.8	0.0	0.0	19453	0.0
KRUGER	K-9212 YGCB	122.3	15.4	0.0	0.0	15580	0.0
DEKALB Genetics	DKC 64-11	124.4	16.1	0.0	0.0	19663	0.0
RENZE	8364YGCB	119.6	14.7	0.0	0.0	16942	0.0
MIDLAND	7B13	117.8	14.4	0.7	0.0	18871	0.0
PIONEER	33B51 ##	118.5	14.7	0.0	0.0	16584	0.0
KRUGER	K9415	120.3	16.0	0.0	0.7	18490	0.0
KRUGER	EX 215	125.3	18.0	0.0	0.0	17249	0.0
KRUGER	K9217 YGCB	121.4	17.0	0.7	0.7	17163	0.0
RENZE	9454YGCB/RR	120.8	16.5	0.0	0.8	18779	0.0
OTILIE	5437RR Bt	117.4	15.7	0.0	0.0	16346	0.0
OTILIE	5216 Bt	119.3	16.2	0.0	0.0	18192	0.0
KRUGER	K9115 YGCB	119.1	16.6	0.0	0.7	16037	0.0
KRUGER	K9114+ YGCB	116.4	15.7	0.0	0.0	18992	0.0
DEKALB Genetics	DKC 60-17	113.7	14.5	0.0	0.0	18993	0.0
RENZE	9363YGCB/RR	114.1	14.6	0.0	0.1	17975	0.0
NC+	5411	113.6	14.9	2.0	0.0	19112	0.0
NC+	5411 ##	113.6	14.9	2.0	0.0	19112	0.0
NORTHROP KING	N 72J5 ##	112.8	15.1	2.2	1.5	17469	0.0
DEKALB Genetics	DKC 64-10	110.3	14.2	1.4	1.3	18507	0.0
KRUGER	K9115+ YGCB	112.3	15.7	0.0	0.8	15822	0.0
FOUNDATION PILOT	HCS0113	106.8	13.8	0.8	0.0	17027	0.0
KRUGER	K-9315 YGCB	109.5	15.1	0.0	0.0	18268	0.0
DEKALB Genetics	DKC 60-19 ##	108.1	14.6	0.0	0.0	19255	0.0
DEKALB Genetics	DKC 60-19	108.1	14.6	0.0	0.0	19255	0.0
KRUGER	K-9915 YGCB	112.4	16.3	0.0	0.0	19067	0.0
RENZE	7424RR	105.6	15.2	1.4	0.0	18205	0.0
KRUGER	K-9315 RR/YGCB	108.3	15.8	0.7	0.0	19011	0.0
PIONEER	33P67 ##	108.0	15.5	0.0	0.0	14332	0.0
KRUGER	K9414	106.3	15.2	0.7	0.0	18751	0.0
RENZE	6363	103.5	13.7	0.7	0.6	18882	0.0
RENZE	7363RR	104.6	15.6	0.0	0.0	18844	0.0
KRUGER	EX 115 YGCB	108.8	18.3	0.0	0.0	18275	0.0
MYCOGEN	2A812 ##	101.4	16.0	0.0	2.0	19417	0.7
KRUGER	EX 215 YGCB	100.0	15.9	0.0	0.0	17962	0.0
Average all entries		115.8	15.4	0.3	0.3	18074	0.0
Difference required for significance		21.5	1.2	1.2	1.2	1650	0.4
## entered by UN-L Department of Agronomy and Horticulture							
1 Value represents \$2.00 corn after drying cost of 3.5 cents per bushel per point of moisture are subtracted.							

Growing Degree Days (base 50° F)

D
Total
and p
and e
labor
Exper
of cap

Growing Degree Days (unadjusted) for corn plots from April - September



Did you know



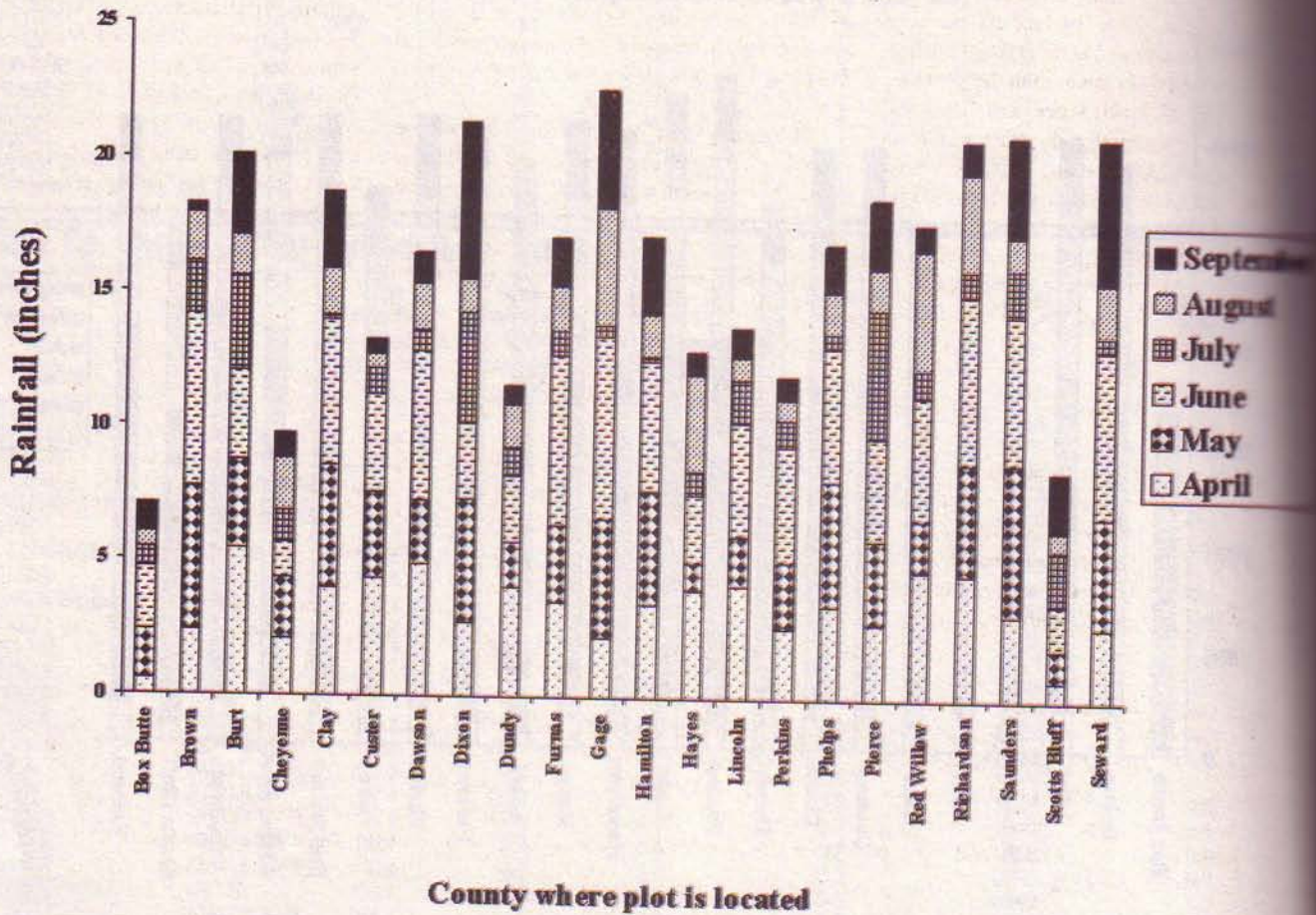
Total outlays in 2001 for fertilizers, lime, and pesticides were \$845 million. Fuel, oil and electricity totaled \$521 million. Hired labor expenses totaled \$380 million. Expenditures for repairs and maintenance of capital items totaled \$457 million.

Did you know



In 2001, Nebraska farmers paid \$441 million for on-farm and ranch property taxes and \$731 million in net rent to non-operator landlords. They also paid \$764 million in interest on farm real estate mortgage debt and on non real estate interest.

Rainfall (inches) for corn plots from April - September



Did you know ?

Total depreciation and accidental damage to farm buildings and depreciation to motor vehicles and other farm machinery and equipment totaled \$661 million in 2001.

Did you know ?

Of every dollar spent on food in 1999, the farm value is 20 cents; 39 cents goes to labor used by manufacturers, wholesalers and retailers. The remaining 41 cents pays for marketing costs such as packaging, transportation, and advertising.

NEBRASKA SOYBEAN VARIETY TESTS

2003 Crop Production Summary

The November 2003 estimated soybean yield in Nebraska was 39 bushels per acre on 175,330 harvested acres. The 39 bushels per acre was 8 bushels lower than the previous record of 47 bushels per acre. The total production of soybeans for the state was forecasted at 175,500,000 bushels. This was below the state record production of 176,330,000 bushels. These estimates are from the November Nebraska Agricultural Statistics Service. June 15th soybean condition rated 2% poor, 20% fair, 64% good and 13% excellent,

above last year and average. Eighty-six percent of fields had emerged, behind last year and 92 average. July 13th soybean condition was rated 2% poor, 24% fair, 60% good and 14 excellent.

Blooming had occurred on 15% of the crop, behind last year at 45% and average at 35%. As of August 17th soybean condition declined and rated at 13% very poor, 19% poor, 34% fair, 28% good, and 6% excellent. Plants were setting pods on 83% of the acreage, compared to 91% last year and 89% average. Crop

had begun to turn color in eastern and southern counties. High population of aphids were being reported in some northeastern counties. As of September 21st soybean condition rated at 18% very poor, 26% poor, 31% fair, 19% good, and 6% excellent. Plants had turned color on 89% of the crop, behind last year and 94% average. October 19th harvest progressed to 85% combined, ahead of last year at 75% and average at 82%.

PROCEDURE

Data were obtained from 21 trials at 12 locations (Table A). Newly 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 have 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 (450), 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 19 locations in 2003. 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 1.15. Estimated Processed Value (EPV) is calculated from the protein and oil content from the Chicago Board of Trade prices for soybean oil (\$.1594/lb.) and 46.0 percent protein soybean meal

(\$171.90/ton) on Sept. 1, 2002. 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.

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. The data are reported on page 52.

Entries generally were listed in tables in order of decreasing yield. Average performance of varieties included in trials for three years in each area is shown in Table D. These data give an indication of year effects on yield, maturity, lodging, plant height and seed size.

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 third 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. 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.

RESULTS AT INDIVIDUAL LOCATIONS

Northeast (Pages 41-44)

Six tests were planted at two locations in Dixon and Pierce County with four varieties entered in the conventional dry and four varieties in the irrigated test. Thirty two varieties were entered in the Roundup Ready Early tests. Forty seven varieties were entered in the Roundup Ready Late tests in both locations. The Dixon County tests were planted May 28th and harvested October 18th. The conventional dry land test averaged 29.6 bu/a. While the Early Roundup Ready dry land test averaged 35.4 bu/a. The dry land Late Roundup Ready test averaged 36.3 bu/a. The Pierce County Irrigated Conventional tests were planted May 29th and Harvested October 22th. The conventional test averaged 43.5 bu/a. The early Roundup Ready test averaged 58.7 bu/a. Late Roundup Ready test averaged 58.8 bu/a.

East/South Central (Pages 45-47)

Seven tests at four locations were planted in Saunders, Clay, Furnas and Washington Counties. Forty nine entries were entered in the early maturing Roundup Ready trial. Twenty nine entries in the late maturity Roundup Ready trial and eighteen entries in the Cyst Nematode trial. The Saunders County irrigated test was planted May 27th and harvested October 20th. This test was conventional tilled into corn stubble with good moisture. Test was sprayed twice with Roundup. Roundup Ready Early test averaged 63.0 bushels per acre. Farm entry was Pioneer 93B01 @ 60.7 bu/a. The Roundup Ready Late test averaged 62.4 bushels per

acre. Farm entry was Mycogen 5B311RR @ 63.4 bu/a. The Clay County gravity irrigated plot was planted May 26th with four replications of four rows in thirty inch rows. The early maturing Roundup Ready varieties averaged 69.4 bushels per acre. Farmer entry were Producers 310RR @ 62.9 and entry Producers 317RR @ 67.3 bu/a. The late maturing Roundup Ready varieties averaged 68.7 bushels per acre. Farmer entries were Pioneer Brand 93M60RR @ 70.7 and 93M91RR @ 52.4 bu/a. The Furnas County Roundup Ready tests were pivot irrigated. Tests were planted May 23rd and harvested by custom harvester by mistake. No data for yields were taken. The Washington County Cyst Nematode plot was planted May 28th and harvested October 20th. Timely rainfall helped this dryland plot to average 53.5 bushels per acre.

Southeast (Pages 47-49)

There were four tests at two locations in Richardson and Thayer Counties. The early Roundup Ready had 25 entries. Richardson county Farmer entries were Kaup 344 @ 44.7, Hoegemeyer 300LR @ 48.0, Hoegemeyer 300NR @ 44.7 bu/a. Average for all entries was 46.9 bu/a. The late maturing Roundup Ready test had 28 entries. The Richardson County test was planted May 23th and harvested October 8th. This was a no-till test planted in 30 inch rows into soybean stubble. The late maturing Roundup Ready group averaged 45.9 bushels per acre. Farmer entries were Hoegemeyer 362 @ 46.2, 391 @ 41.0, Mycogen 5B381 @ 44.2,

Stine 3632-4 @ 46.8 bu/a. The Pierce County test was planted May 28th and harvested October 18th. The test was planted with four replications of four rows, 30 inch width and pivot irrigated. The field was planted with a row Kinze planter under wet plant conditions. Some of the plots had herbicide damage over damage from the previous year along with heavy rains through the summer resulted in herbicide damage in some areas. Only non affected plots were included in this report. Plant heights were otherwise normal.

Central Irrigated (Pages 48-49)

Two tests were planted at two locations in Merrick and Dawson Counties with 25 entries. The Merrick County test was planted May 27th and harvested October 13th. The test was planted into 30 inch rows and pivot irrigated. This test averaged 80.5 bushels per acre. The Dawson County test was planted May 22th and harvested October 7th. This was a ridge till test that was furrow irrigated. The average for all entries was 72.3 bushels per acre.

North Central (Page 50)

Two tests were planted in Brown and Perkins Counties. The Brown County furrow irrigated test was planted June 2nd and harvested October 10th. Average of all entries was 51.5 bushels per acre. The Perkins County test was conventional till, pivot irrigated. It was planted May 27st, harvested October 9th and averaged 51.5 bu/a.

CULTURAL PRACTICES

Dixon: Dryland. Crop history: 2002 corn. No fertilizer. Plot was disked. Herbicides: Poast Plus 1.5 pt + Pursuit 2EC 4 oz + Flexstar 0.75 pt + COC 1 qt. On June 27 an additional treatment of Fusion 15 oz + Reflex 4 oz + 0.25% v/v NIS + 2.5 lb AMS was applied on August 6. Roundup Ultra Max 26 oz + Fusilade DX 8 oz + NIS 0.25 v/v NIS + 2.5 lb AMS was applied June 28 and an additional application of Roundup Ultra MAX 20 oz + 2 lb AMS was made on July 21 to the "Roundup Ready" varieties. Soil sample 24" depth pH 6.83, K 298 ppm, Bray-1 P 15.3 ppm, 4.8 % O.M. Rainfall May 4.3, June 2.2, July 2.5, August 0.8, September 5.0, October 0.9 inches. Coordinates: N 42.22765 W -96.5711

Pierce: Center Pivot Irrigation. 2002 corn. Fertilizer: 35 lb N through pivot. The entire study received Pursuit Plus herbicide. Herbicides used on conventional varieties were Poast Plus 1.5 pt + Pursuit 2 EC 4 oz + Flexstar 0.75 pt + COC 1 qt. On July 11, Roundup

Ultra MAX at 26 oz + 2.5 AMS was applied to the "Roundup Ready" varieties. Rain fall 5.5 in, Irrigation 13 inches. Soil sample 24" depth pH 5.5, Bray-1 P 43 ppm, K 185 ppm, O.M. 1.2%. Coordinates: N 42.20002 W 97.82756

Thayer: Pivot irrigation. Crop history: Corn 2002, Sorghum in 2001. Fertilizer: None. Herbicide: 7 oz/a Canopy LX broadcast pre-plant, Touchdown 1 qt/a post. Soil samples 24 inch depth pH 5.7 Buffer pH 6.5, Bray-1 P 8 ppm, K 328 ppm, O.M.. 0.90%. Coordinates: N 40.21241 W -97.4395

Clay: Gravity irrigated. Crop history: Corn in 2002 and soybeans in 2001. The herbicide used was 26 oz/a Roundup Ultra Max broadcast preemergence 5-31. 28 oz/a Roundup Weather Max post emergence 7-23. Soil sample 24 inch depth pH 6.7, Bray-1 P 32 ppm, K 408 ppm, O.M. 1.6%. Coordinates: N 40.5807 W -98.13967

Pivot irrigated. Crop history: corn in 2002 and soybeans in 2001. Herbicide sprayed twice with Roundup 24 oz/a, broadcast post emergence. Fertilizer at planting 4.5 gal/a of 12-0-0 and 4.5 gal 8-20-0 with buffer + 0.8 lb Zinc placed 2 inches to the side and 2 inches deep. 7 gal/a of 32 % N through the pivot at the flowering stage. Soil test: Water pH 5.5, Buffer pH 6.7, Bray-1 P 43 ppm HI, K 412 ppm VHI. O.M.% 1.2. Coordinates: N 41.00637 W -98.24456

Dryland. Crop history: 2002 corn. No fertilizer. Herbicide: Roundup Ultra twice sprayed. Tillage program: no-till. Sprayed for spider-mites and grass hoppers with Lorsban. Hand weeded as needed. Soil test: Nitrogen in sample 69 lb/a, 6.4 avg ppm, Soil pH 5.5, Buffer pH 6.6, Lime needed 4000 lb/a, O. M. 2.9%, Bray-1 P 43 ppm HI, K 412 ppm VHI. Coordinates: N 40.1383 W -98.24456 Elevation: 1037

Irrigated. Crop History: 2002 corn. No fertilizer. Herbicide: Roundup Ultra applied twice @ 16 oz and 20 oz/a. Tillage program: no-till. This test was hand weeded as needed. Soil test: Nitrogen in sample 112 lb/a, 10.4 avg ppm, Soil pH 5.8, Buffer pH 6.6, Lime needed 6000 lb/a, O. M. 3.3%, Bray-1 P ppm 42 HI, Potassium ppm 447 VHI. Coordinates: N 41.3773 W -96.6159 Elevation: 1288

Pivot irrigated. No till into corn stalks. Crop history: 2001 soybeans, 2002 corn. Fertilizer: 60 lb P + 10 S preplant. Herbicide: Post emergence: Two applications of Roundup Ultra Max at 25 oz/a. Soil test: Water pH 7.46, Buffered pH 7.00, Excess lime 3, Potassium ppm 379, Bray-1 P ppm 22.681, P(SBC) ppm 18.49. Coordinates: N

40.26814 W -100.21771

Dawson: Ridge till, furrow irrigated. Crop history: 2002-corn, 2001-soybeans. Fertilizer: none. Herbicide: Post emergence: 1 qt Glyphosate on both June 3 and June 18. Applied 6 oz/1000 ft of row soil inoculate at planting. Soil test: Water pH 6.93, Buffer pH 7.00, Excess lime 0, K 632 ppm, Bray-1 25.87 ppm. Coordinates: N 40.75117 W -99.65478

Brown: Minimum till, furrow irrigated. Crop history: 2002 corn, 2001 soybean. Fertilizer: 10 gal 10-34-0 + 2 gal Thiosol at planting. Herbicide: Prowl 1.6 pt PRE, Firstrate 0.67 oz POST. Applied 6 oz/1000 feet of row soil inoculate at planting. Soil test: Water pH 4.28, Buffer pH 5.91, Excess Lime 0, K 524 ppm, Bray-1 P 91.0 ppm. Coordinates: N 42.59867 W -99.98456

Perkins: Conventional till, pivot irrigated. Crop history: soybeans in 2001 and corn in 2002. Preplant: 11 N, 56 P. Post: 65 N, 15 S. Herbicide: 1 qt Glyphosate + postemergence. Insecticides: none. Soil test: Water pH 6.41, Buffer pH 7.00, K 376 ppm, Bray-1 P 23.24 ppm. Coordinates: N 40.81638 W -101.80383

Washington SCN: Dryland. Crop history - 2002 Corn. Herbicide: Roundup Ultra. Tillage: Conventional. Soil test: Nitrogen in sample 69 lb/a, 6.4 avg ppm, Soil pH 7.8, Excess lime MAED, Lime needed 0 lb/a, O.M. 2.5%, Bray-1 Phosphorus ppm 45 HI, K 359 ppm VHI, Olsen P 43 ppm VHI. Coordinates: N 41.4412 W -96.0164 Elevation: 1058

2003 Soybean Variety Testing Locations

- 1 Dixon County
- 2 Pierce County
- 3 Saunders County
- 4 Clay County
- 5 Furnas County
- 6 Richardson County
- 7 Thayer County
- 8 Merrick County
- 9 Dawson County
- 10 Brown County
- 11 Perkins County
- 12 Washington County

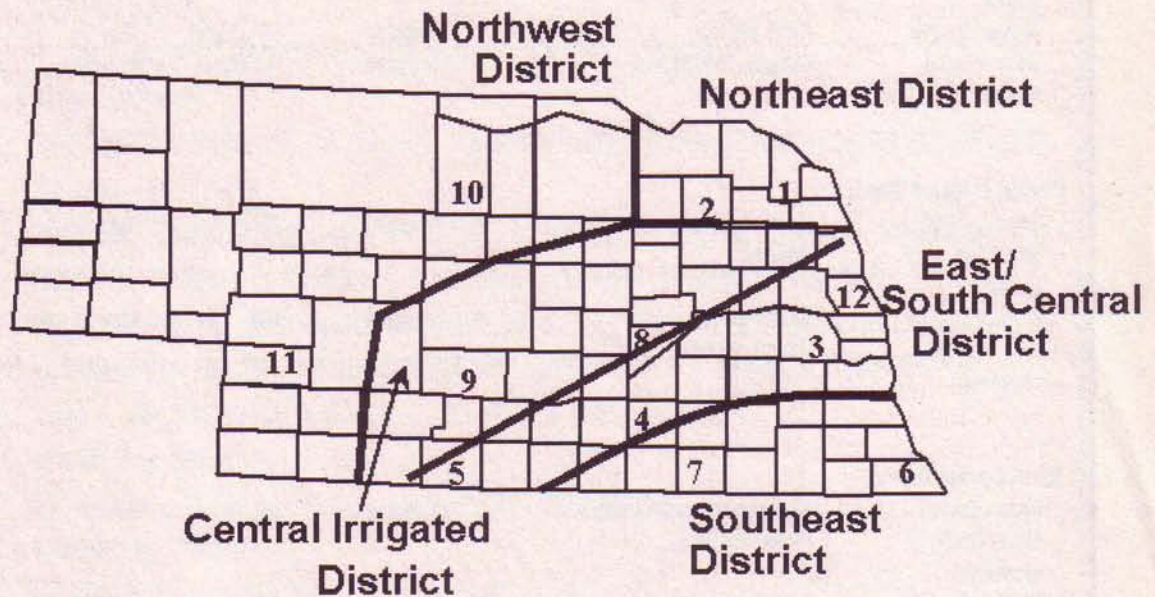


Table A. Locations. Nebraska Soybean Performance Tests. 2003.

Location/Cooperator	Soil Type/Herbicide	Condition	Test	Planted	Harvested	Yield
Northeast District						
Dixon County	Baltic silty clay	Dryland	Conv	May 28	Oct. 18	
NEREC	Poast Plus, Pursuit, Flexstar,	Dryland	RR (Early)	May 28	Oct. 18	
	Fusion, Roundup Ultra Max, Fusilade	Dryland	RR (Late)	May 28	Oct. 18	
Pierce County	Thurman loamy fine sand	Irrigated	Conv	May 29	Oct. 22	
Joel Carpenter, Plainview	Poast Plus, Pursuit, Flexstar,	Irrigated	RR (Early)	May 29	Oct. 22	
	Roundup Ultra Max	Irrigated	RR (Late)	May 29	Oct. 22	
East/South Central District						
Saunders County	Sharpsburge silty clay loam	Irrigated	RR (Early)	May 27	Oct. 20	
Ray Kecura, Cedar Bluffs	Roundup Ultra	Irrigated	RR (Late)	May 27	Oct. 20	
Washington County	McPaul silt loam	Dryland	Cyst	May 28	Oct. 20	
Larry Stratbucker, Fort Calhoun	Roundup Ultra		Nematode			
Clay County	Hastings silt loam	Irrigated	RR (Early)	May 26	Oct. 3	56.4
		Irrigated	RR (Late)	May 26	Oct. 17	56.7
Furnas County	Glenburg loam	Irrigated	RR (Early)	May 23		
J. F. Hoffman Holbrook		Irrigated	RR (Late)	May 23		
Southeast District						
Richardson County	Marshall silty clay loam	Dryland	RR (Early)	May 23	Oct. 8	46.9
Keithley & Sons, Verdon	Roundup Ultra	Dryland	RR (Late)	May 23	Oct. 8	45.9
Thayer County	Crete silt loam	Irrigated	RR (Early)	May 28	Oct. 20	56.8
Scott Dewald Hebron	Canopy, Touchdown	Irrigated	RR (Late)	May 28	Oct. 20	48.9
Central Irrigated District						
Dawson County	Cozad silt loam	Irrigated	RR	May 22	Oct. 7	72.3
Kurt Kline, Lexington	Glyphos					
Merrick County	Sandy loam	Irrigated	RR	May 27	Oct. 13	80.5
Gary Houdek, Chapman	Roundup Ultra					
North Central District						
Brown County	Sandose loamy fine sand	Irrigated	RR	June 2	Oct. 10	58.3
Marty Graff, Ainsworth	Prowl, Firstrate					
Perkins County	Keith silt loam	Irrigated	RR	May 27	Oct. 9	51.5
Bob Cummings, Elsie	Glyphosate +					

Table 3. Entries. Nebraska Soybean Performance Tests - 2003

Brand	Hybrids
AGRIUM	AG2302 ,AG2402 ,AG2403 ,AG2703 ,AG3003 ,AG3201 ,AG3302
AGRI-GENE	BG2801RR, BG3200NRR, BG342RR ,BG3620NRR
AGRI-PLAN	RT2882, RT3176
AGRI-GENETICS	25-51, DKB28-51
AGRI-PRO	327RR, D.G. 3200, D.G. 3242RR, D.G. 3263RR, D.G. 32M32, D.G. 3321NRR, D.G. 3323RR, D.G. 3362NRR, D.G. 35R27, D.G. 38K28, D.G.31B35, D.G.31G30, D.G.34Z27, D.G.37B28
AGRI-NELLE	F8192NRR , F8281NRR , X9221NRR
AGRI-STAR	3274RR, 3285RR, 3295RR
AGRI-ST	2018RR, 2502 RR, 2603RR, 2677RR, 2812RR/N, 2834RR, 2903RR, 3083, 3135RR, 3212RR/N, D294RR/N, XR27N02
AGRI-LENA	2604 , 2874 , 2914 , 3111 , X2324
AGRI-RUGER	211+ RR, 222A RR, 223+ RR, 227 RR, 230 RR,250 RR,251 RR,252 RR,255 RR,260 RR,262-2 RR,268 RR,270 RR,282+ RR,287 RR,289+ RR,292 RR,318 RR,322-2 RR,323 RR,323+ RR,344 RR/SCN,353 RR,355 RR,377 RR/SCN,379 RR,380 RR/SCN,383 RR,390 RR/SCN,393 RR/SCN,395 RR/SCN,397 RR/SCN,404 RR
AGRI-LATHAM	1067RR, 457RR, 647RR, 678RR, 688RRN, 917RR, 940, 957RRN, 967RR, E2478T, E2530R, E2780R, E2857R, E2878R, E2900R, E2978R, E3100T, E3140R, E3245R
AGRI-SEEDS	C2434RR, C2625RR , C2991RR, C2991RR, C3444NRR, C2883RR, C9284RR
AGRI-MIDLAND	9A274NRR, 9B314NRR, 9B333RS, 9B354RS, 9B374NRR
AGRI-MUSTANG	M-224RR,M-234RR,M-253RR,M-284RR
AGRI-MYCOGEN	5B311, 5368RR
AGRI-Novartis	S29-C9, S30-P6
AGRI-NUPRIDE	8190RR, 8244RR,8279RR, 8294RR,8303RR,8319RR, 8354RR
AGRI-PIONEER	92B84, 93B09
AGRI-PRAIRIE BRAND	PB-2343RR, PB-2421RR,PB-2552RR, PB-2643RR,PB-2732RR, PB-2821RR, PB-3063RR, PB-3292RR, PB-3732RR
AGRI-RENZE	R2114RR, R2403RR, R2524RR, R2724RR, R2783Rcn, R2803RR, R2822RR, R2884RR, R2914RR, R2994Rcn, R3383Rcn, R3684Rcn, R3692RR, R3814RR, R3994Rcn
AGRI-SANDS	SOI 2141ARR, SOI 2541RR,SOI 2642NRR,SOI 271RR,SOI 2792RR,SOI 2833RR, SOI 2858NRR,SOI 2872RR,SOI 288,SOI 2953RR,SOI 3140RR,SOI 344RR,SOI 3632NRR
AGRI-STINE	2640-4, 2842-4, S2900-4, S3183-4, S3532-4, S3632-4, S3932-4
AGRI-TAYLOR	374RR, Exp.3350RRS
AGRI-TRISOY	2907RR(CN), 2933RR, 3113RR, 3222RR(CN), 3530RR(CN)
AGRI-TRIUMPH	TR3283RR, TRX2J28RR
AGRI-University of Nebraska	NE 3301H1R ,NE 3301H2R ,NE X 2301 ,NE X 8903
AGRI-WILLCROSS	RR2293N, RR2312, RR2323N, RR2354N, RR2362, RR2373N, RR2392N, RR2393N

Table C. Entrants. Nebraska Soybean Performance Tests. 2003

Brand	Entrant	Address
Bio Gene Seeds	Bio Gene Seeds	5491 Tri County Hwy, Sardinia OH 45171
Dyna Gro	Dyna Gro UAP- Pueblo	632 Deer Road, Clifton, KS 66937
Dyna Gro	UAP Midwest	104 Harrison, Emmetsburg, IA 50536
Four Star Seed Company	Four Star Seed Company	PO Box 88, Parkersburg, IA 50665
Garst Seed	Garst Seed	1104 W. 18th Rd., Aurora, NE 68818
Helena	Helena Chemical Company	7137 Vista Drive, W. Des Moines, IA 50266
Kruger	Kruger Seed Company	6131 North Fork Road, Ames, IA 50010
Latham	Latham Seed Company	131 180th St., Alexander, IA 50420-8028
LG Seeds	LG Seeds	1620 Hwy 10, Gibbon, NE 68840
Midwest Seed Genetics	Midwest Seed Genetics	980 Highway 15, Hope, KS 67451
Midland	Midland Seeds	980 Hwy 15, Hope, KS 67451
Mustang	Mustang Seeds	Box 466, 306 S. Washington, Madison, SD 57042
NuPride	NuPride Genetics Network	P.O. Box 830911, Lincoln, NE 68583-0911
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	P.O.Box 648, Marcus, IA 51035
Stine Seed Company	Stine Seed Company	2225 Laredo Trail, Adel, IA 5003
Triumph	Triumph Seed Company	P.O.Box 1050, Ralls, TX 79357
Taylor	Taylor Seed Farms	2467 Hwy 7, White Cloud, KS 66094
Trisler	Trisler Seed Farms, Inc	3274 E 800 North Rd, Fairmount, IL 61841
University of Nebraska	University of Nebraska	1071 County Rd G, Rm C, Ithica, NE 68033
Willcross	Willcross Seeds	4564 HWY 169, King City, MO 64463



DJS Farm Service

John & Diane Schreiter

5573 F Rd., Nebraska City, Nebraska

djseed@alltel.net

Phone: 402-873-4630 • FAX: 402-873-4708

Cell: 402-297-2935



Free delivery in Nebraska or Eastern Iowa.

*DJS Farm Service supplies Willcross,
Pfister Corn, Circle Seed Corn &
RCIS Crop Insurance.*

Coming In August 2004 Fall Planted Crops

For Advertising Rates and Availability,
Contact Loraine Melcher
1-800-888-1380

Table B. Soybean performance over three years. 2001 - 2003

Year	Yield bu/A	Mature date	Lodging score	Height inches	Seeds /pound	Bushel weight	Protein %	Oil %	EPVA \$/A	
West										
Conventional	2001	57.0	9-23	1.2	29	3111	56.9	33.3	16.6	293
	2002	57.5	9-24	2.5	28	3079	55.2	38.5	18.5	348
	2003	36.5	10-1		44	3643		37.1	19.1	218
RR (earlies)	2001	54.4	9-20	1.1	31	3405	57.0	32.2	17.0	282
	2002	56.6	9-23	1.9	28	3079	54.6	38.2	18.6	341
	2003	47.0	9-23		32	3525		36.8	20.5	284
RR (lates)	2001	59.6	9-24	1.1	34	3331	57.5	32.2	16.8	308
	2002	57.2	9-27	1.8	31	3112	54.8	38.3	18.6	346
	2003	47.6	9-28		31	3474		36.4	20.5	286
Central										
Conventional/RR	2001	70.1		1.2	40	2976	56.5	31.6	17.1	360
	2002	71.1		1.5	37	2818	52.1	36.9	18.6	419
	2003	76.8		1.8	36	3019	55.5	36.3	19.9	456
East/South Central										
RR (earlies)	2001	64.6	9-29	1.4	38	2971	57.1	32.1	17.2	336
	2002	55.5	9-25	1.9	32	2825	54.7	36.7	18.4	328
	2003	66.3	9-27	1.7	36	3268	56.8	37.1	19.5	397
RR (lates)	2001	65.5	10-1	1.5	38	2944	58.4	32.0	17.1	339
	2002	57.7	9-29	1.9	32	2775	54.6	36.7	18.0	338
	2003	65.6	10-2	1.8	39	3261	57.4	36.9	19.3	391
Cyst Nematode	2002	43.9			35	3232	55.1	35.2	17.2	244
	2003	53.3		1.1	35	3773	57.1	37.2	21.3	329
Southeast										
RR (earlies)	2001	63.6	9-28	1.3	35	3362	57.9	31.2	17.4	325
	2002	19.7	9-26		16	3029		36.0	16.9	111
	2003	51.9	9-23	1.3	32	3438	57.7	35.5	20.4	306
RR (lates)	2001	62.0	10-2	1.3	36	3391	57.6	31.2	17.1	315
	2002	25.3	9-29		17	2930	56.5	36.1	16.8	143
	2003	47.7	9-26	1.1	32	3444	56.9	35.4	20.3	280
North Central										
Conventional/RR	2001	56.6		1.2	36	3142	56.8	32.8	17.8	302
	2002	66.9		1.6	39	2772	53.5	38.9	17.6	416
	2003	54.9		1.8	34	3262	54.5	39.9	18.6	343

Did you know



Ranking sixth in the United States, Nebraska agriculture exports in fiscal year 2001 totaled \$2.9 billion. Nebraska ranked first in live animals and meat exports at \$894 million, third in feed grains and products at \$612 million, and seventh in soybeans and products at \$430 million.

Did you know



Every dollar in agricultural exports generates \$1.48 in economic activities such as transportation, financing warehousing, and production. Nebraska's \$2.9 billion in agricultural exports translate into over \$4.3 billion in additional economic activity each year.

Soybean Variety Characteristics 2003

Chlorosis Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4
AA---	NE 3301H1R	-	-	-	-	-	-	-	-
AA---	NE 3301H2R	-	-	-	-	-	-	-	-
AA---	NE X 2301	-	-	-	-	-	-	-	-
AA---	NE X 8903	-	-	-	-	-	-	-	-
ASGROW	AG2402 ##	-	-	-	-	-	-	-	-
ASGROW	AG2703 ##	-	-	-	-	-	-	-	-
ASGROW	AG3201 ##	-	-	-	-	-	-	-	-
ASGROW	AG3302 ##	-	-	-	-	-	-	-	-
BIO GENE	BG2801RR	P	G	Br	lb	2.8		S	S
BIO GENE	BG3200NRR	P	G	Br	lb	3.2		R	S
BIO GENE	BG342RR	W	T	TN	Bl	3.4		S	S
BIO GENE	BG3620NRR	P	T	-	Bl	3.8		R	R
DEKALB Genetics	25-51 ##	-	-	-	-	-	-	-	-
DY-GRO	D.G. 3200	W	T	-	Br	2.0		S	S
DY-GRO	D.G. 3242 RR	P	G	-	Bl/lb	2.4		R	R
DY-GRO	D.G. 3263 RR	P	T	Br	Bl	2.6		R	R
DY-GRO	D.G. 32M32	P	G	Br	lb	3.2		R	R
DY-GRO	D.G. 3321 NRR	P	T	-	Bl	3.2		R	R
DY-GRO	D.G. 3323 RR	P	T	-	Br	3.2		R	R
DY-GRO	D.G. 3362 NRR	P	T	-	Bl	3.6		R	R
DY-GRO	D.G. 35R27	P	T	-	Bl/lb	2.7		R	R
DY-GRO	D.G. 38K28	P	G	Br	Bl/lb	2.8		S	S
DY-GRO	D.G. 31B35	-	-	-	-	-	-	-	-
DY-GRO	D.G. 31G30	-	-	-	-	-	-	-	-
DY-GRO	D.G. 34Z27	-	-	-	-	-	-	-	-
DY-GRO	D.G. 37B28	P	T	Br	Bl	2.8		R	R
FOUR STAR	3274RR	P	G	-	lb	2.8		R	R
FOUR STAR	3285RR	W	T	-	-	2.8		R	R
FOUR STAR	3295RR	W	T	-	Br	3.0		R	R
GARST	2018RR	W	T	-	Br	2.0		R	R
GARST	2502 RR ##	-	-	-	-	-	-	-	-
GARST	2603RR	P	T	Br	Bl	2.6		R	R
GARST	2677RR	P	G	-	lb	2.6		R	R
GARST	2812RR/N	P	G	-	lb	2.8		R	R
GARST	2834RR	P	G	-	lb	2.8		R	R
GARST	2903RR	P	T	Br	Bl	2.9		R	R
GARST	3083 ##	-	-	-	-	-	-	-	-
GARST	3135RR	W	T	-	Br	3.1		R	R
GARST	3212RR/N	P	T	-	Bl	3.2		R	R
GARST	D294RR/N	P	G	Br	lb	2.9		S	S
GARST	XR27N02	P	T	-	Br	2.7		S	S
HELENA	2604	W	T	Br	Br	2.5		S	S
HELENA	2874	P	T	-	Br	2.8		-	-
HELENA	2914	W	T	-	Bl	2.9		R	R
HELENA	3111	W	T	-	Br	3.1		R	R
HELENA	X2324	W	T	-	Br	2.3		S	S
KRUGER	211+ RR	W	T	-	-	2.1		R	R
KRUGER	222A RR	W/P	T	-	Bl	2.2		R	R
KRUGER	223+ RR	W	T	-	Br	2.2		R	R
KRUGER	227 RR	W	T	-	Br	2.2		-	-
KRUGER	230 RR	W	T	-	Br	2.3		-	-
KRUGER	250 RR	W	T	-	Br	2.5		S	S
KRUGER	251 RR	P	G	-	Br	2.5		-	-
KRUGER	252 RR	P	T	-	Bl	2.5		R	R
KRUGER	255 RR	P	G	-	lb	2.5		R	R
KRUGER	260 RR	P	G	Br	lb	2.6		-	-
KRUGER	262-2 RR	P	G	-	lb	2.6		R	R
KRUGER	268 RR	P	G	-	lb	2.6		R	R
KRUGER	270 RR	P	G	Br	lb	2.7		-	-
KRUGER	282+ RR	P	T	-	Bl	2.8		-	-
KRUGER	287 RR	P	G	Br	lb	2.8		-	-
KRUGER	289+ RR	W	T	-	Bl	2.8		R	R
KRUGER	292 RR	W	T	-	Bl	2.9		R	R

Variety Characteristics 2003 (con't.)

	318 RR	P	T	Br	Bl/Br	3.1	I	S	S	7.5
	322-2 RR	W	T	-	Bl	3.2	I	R	R	8.5
	323 RR	W	T	-	Br	3.2	I	R	R	7.5
	323+ RR	W	T	-	Br	3.2	I	R	R	8.5
	344 RR/SCN	P	T	Br	lb	3.4	I	R	R	8.5
	353 RR	P	T	Br	Bl	3.5	I	R	R	7.0
	355 RR/SCN	W	T	-	Bl	3.5	I	R	R	8.0
	377 RR/SCN	P	T	-	Bl	3.7	I	R	R	7.5
	379 RR	P	G	-	lb	3.7	I	R	R	8.5
	380 RR/SCN	W	G	Br	Bf	3.8	I	R	R	8.5
	383 RR	W	T	Br	Bl	3.8	I	R	R	7.5
	390 RR/SCN	W	T	-	Bl	3.9	I	S	S	7.0
	393 RR/SCN	P	T	-	Bl	3.9	I	R	R	7.5
	395 RR/SCN	W	T	-	Bl	3.9	I	S	S	8.5
	397 RR/SCN	P	T	-	Bl	3.9	I	R	R	8.0
	404 RR	P	T	-	Bl	4.0	I	R	R	8.0
	1067RR	W	T	-	Bl	2.0	I	R	R	7.5
	457RR	W	T	-	Br	2.3	I	S	S	8.0
	647RR	P	G	-	lb	2.4	I	R	R	8.0
	678RR	W	T	Br	Br	2.5	I	S	S	7.5
	688RRN	W	G	-	Bf	2.5	I	R	S	8.0
	917RR	P	T	-	Br	2.8	I	R	R	8.5
	940	P	G	Br	lb	3.0	I	S	S	8.0
	957RRN	W	G	-	Bf	2.9	I	R	S	8.0
	967RR	P	G	Br	lb	2.9	I	S	S	9.0
	E2478T	P	G	-	lb	2.4	I	S	S	8.5
	E2530R	P	G	Br	lb	2.5	I	S	S	8.0
	E2780R	W	T	Br	Bl	2.7	I	S	S	7.5
	E2857R	P	T	Br	Bl	2.8	I	R	R	7.5
	E2878R	P	T	-	Br	2.8	I	S	S	8.5
	E2900R	W	G/T	-	Bl/Br	2.9	I	S	S	8.0
	E2978R	W	G	-	Bf	2.9	I	S	S	7.0
	E3100T	P	T	-	Bl	3.1	I	S	S	8.0
	E3140R	P	T	-	Bl	3.1	I	S	S	8.0
	E3245R	P	G	-	lb	3.2	I	R	R	8.0
	C2434RR	P	G	-	lb	2	I	R	R	8.5
SEEDS	C2625RR ##	-	-	-	-	-	-	-	-	8.0
SEEDS	C2991RR	W	T	-	Bl	2	I	R	R	8.0
SEEDS	C3444NRR	W	T	-	Bl	3	3	R	R	8.0
WIDLAND	9A274NRR	P	G	-	lb	2.7	I	R	-	8.5
WIDLAND	9B314NRR	P	G	Br	lb	3.1	I	R	-	7.5
WIDLAND	9B333RS	P	G	Br	lb	3.3	I	R	-	8.0
WIDLAND	9B354RS	P	G	Br	lb	2.6	I	S	-	8.0
WIDLAND	9B374NRR	P	G	-	lb	3.7	I	R	-	8.0
MUSTANG	M-224RR	P	T	Br	Bl	2.2	I	R	R	7.0
MUSTANG	M-234RR	W	T	-	Br	2.3	I	S	S	8.0
MUSTANG	M-253RR	W	T	Br	Br	2.5	I	S	S	8.0
MUSTANG	M-284RR	P	T	-	Bl	2.8	I	S	S	8.0
MYCOGEN	5B311 ##	-	-	-	-	-	-	-	-	7.5
MYCOGEN/ATLAS	5368RR ##	-	-	-	-	-	-	-	-	7.5
NUPRIDE	8190RR	W	T	Br	Bl	1	I	S	S	7.5
NUPRIDE	8244RR	W	G	-	Bl	2	I	S	S	7.0
NUPRIDE	8279RR	W	T	-	Br	2	I	S	S	8.0
NUPRIDE	8294RR	P	G	Br	Bl	2	I	S	S	7.5
NUPRIDE	8303RR	-	-	-	-	3	SD	-	-	7.5
NUPRIDE	8354RR	P	T	-	Bl	3	I	R	S	8.0
PIONEER	92B84 ##	-	-	-	-	-	-	-	-	8.5
PIONEER	93B09 ##	-	-	-	-	-	-	-	-	7.5
PRAIRIE BRAND	PB-2343RR	W	T	-	Br	2.3	I	S	S	9.0
PRAIRIE BRAND	PB-2421RR	P	G	-	lb	2.4	I	R	R	7.5
PRAIRIE BRAND	PB-2552RR	W	T	Br	Br	2.5	I	S	S	8.5
PRAIRIE BRAND	PB-2643RR	W	T	-	Bl	2.6	I	R	R	7.5
PRAIRIE BRAND	PB-2732RR	P	G	Br	lb	2.7	I	R	R	8.0
PRAIRIE BRAND	PB-2821RR	P	G	Br	lb	2.8	I	S	S	7.5
PRAIRIE BRAND	PB-3063RR	P	T	Br	Bl	3.0	I	S	S	7.5
PRAIRIE BRAND	PB-3292RR	P	G	Br	lb	3.2	I	R	R	8.0
PRAIRIE BRAND	PB-3732RR	P	G	-	lb	3.7	I	R	R	8.5

Northeast Conventional Soybean Variety Test Dixon and Pierce Counties - 2003

Brand	Variety	YIELD			Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	Maturity	
		Average Bu/A	Dixon Bu/A	Pierce Bu/A						MO	DAY
LATHAM	E2478T	38.4	30.9	45.9	46	3610	37.73	19.64	233.66	10	1
LATHAM	940	36.4	28.4	44.3	44	3650	36.64	19.22	216.58	10	1
LG SEEDS	SOI 288	36.2	28.4	43.9	43	3620	36.50	18.60	211.41	10	1
LATHAM	E3100T	35.2	30.5	39.8	45	3700	37.53	18.95	211.90	10	2
Average all entries		36.5	29.6	43.5	44	3643	37.10	18.10	218.51	10	1
Difference req. for sig. 5%		NS		NS	NS	NS	NS	NS	NS	NS	NS

Northeast Early Roundup Ready Soybean Variety Test Dixon and Pierce Counties - 2003

Brand	Variety	YIELD			Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	Maturity	
		Average Bu/A	Dixon Bu/A	Pierce Bu/A						MO	DAY
KRUGER	255 RR	53.2	42.2	64.4	28	3630	36.53	21.15	322.39	9	24
LATHAM	647RR	51.6	38.6	64.6	28	3690	36.65	20.62	310.89	9	22
KRUGER	268 RR	51.4	39.7	62.9	28	3830	35.94	21.36	311.23	9	24
KRUGER	270 RR	50.9	42.1	59.4	34	3590	36.51	20.61	305.65	9	27
RENZE	R2524RR	50.8	36.0	65.8	26	3570	37.28	20.79	312.93	9	22
PRAIRIE BRAND	PB-2421RR	50.7	39.2	62.2	28	3470	37.08	20.70	308.76	9	23
KRUGER	262-2 RR	50.6	37.4	63.6	27	3380	36.99	20.99	309.93	9	21
SANDS	SOI 2541RR	49.3	36.7	61.8	33	3660	36.49	20.15	294.32	9	25
PRAIRIE BRAND	PB-2343RR	49.2	37.9	60.7	27	3390	36.35	19.44	290.28	9	23
KRUGER	250 RR	48.9	37.5	60.2	31	3610	37.55	20.15	297.80	9	22
RENZE	R2403RR	48.7	39.6	57.8	27	3360	35.17	21.04	287.57	9	25
KRUGER	251 RR	48.4	37.4	59.4	32	3620	35.77	19.87	283.87	9	25
LATHAM	457RR	48.0	37.4	59.3	31	3540	37.37	20.32	292.08	9	21
LG SEEDS	C2991RR	48.0	37.0	58.8	26	3460	36.96	20.13	289.68	9	28
LG SEEDS	C2991RR ##	48.0	37.0	58.8	26	3460	36.96	20.13	289.68	9	28
MUSTANG	M-234RR	47.5	35.6	59.3	27	3490	36.68	19.87	284.29	9	23
KRUGER	230 RR	47.4	38.0	56.7	28	3490	37.08	19.71	284.40	9	22
DYNA-GRO	D.G. 3242 RR	47.0	35.0	58.4	27	3610	36.95	20.91	286.23	9	22
PRAIRIE BRAND	PB-2552RR	46.4	34.5	58.3	29	3490	36.84	19.93	278.17	9	25
ASGROW	AG2402 ##	46.2	33.7	58.6	31	3710	37.30	20.85	283.67	9	22
SANDS	SOI 2141ARR	45.9	34.0	58.3	25	3390	36.32	20.90	276.32	9	21
KRUGER	222A RR	45.8	33.8	57.8	29	3650	37.51	20.39	280.98	9	22
KRUGER	211+ RR	45.2	33.3	57.0	25	3450	36.59	20.35	271.65	9	21
KRUGER	252 RR	44.8	31.1	58.4	29	3470	37.21	19.97	270.82	9	24
NUPRIDE	8190RR	44.7	29.1	60.1	31	3880	36.85	20.52	270.66	9	18
KRUGER	227 RR	44.6	32.4	57.0	26	3460	37.56	20.32	274.07	9	21
KRUGER	260 RR	44.6	34.3	54.6	29	3510	37.72	19.76	272.28	9	26
GARST	2502 RR ##	43.7	33.0	54.4	31	3470	36.95	20.57	265.48	9	26
RENZE	R2114RR	43.4	32.6	54.4	24	3450	36.63	20.64	261.27	9	22
KRUGER	223+ RR	43.0	26.5	59.2	24	3290	36.19	21.00	258.86	9	21
MUSTANG	M-224RR	42.6	30.8	54.4	27	3630	36.49	20.74	256.88	9	22
AA---	NE X 2301	42.1	35.6	48.7	24	3370	37.20	20.39	256.18	9	21
DYNA-GRO	D.G. 3200	41.5	28.2	55.2	26	3290	36.26	20.65	248.38	9	22
Average all entries		47.1	35.2	58.7	28	3525	36.80	20.50	285.62	9	23
Difference req. for sig. 5%		4.4	5.2	7.2	4	202	NS	0.90	26.81		3

Northeast Conventional Soybean Variety Tests 2002 - 2003

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											
SANDS	SOI 288	48.7	2.8	36	55.9	3410	37.4	18.2	288	9	21
LATHAM	940	48.5	2.8	37	55.3	3360	37.5	18.6	290	9	21
Average all entries		48.6	2.8	36.5	55.6	3385	37.45	18.4	289	9	21
Difference req. for sig. 5%		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Northeast Early Maturing Roundup Ready Soybean Variety Tests 2002 - 2003

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	MATURITY DAY	
Two Year Average											
KRUGER	255 RR	56.8	1.0	36	3350	36.7	20.1	340	9	24	
LATHAM	647RR	55.9	0.8	36	3360	37.2	19.8	337	9	21	
KRUGER	268 RR	55.6	1.0	37	3440	36.5	20.2	334	9	24	
KRUGER	270 RR	55.1	2.2	46	3290	37.2	19.6	331	9	26	
RENZE	R2403RR	54.4	1.1	36	3130	36.2	20.0	323	9	25	
KRUGER	262-2 RR	54.1	1.2	37	3250	37.4	19.9	328	9	21	
DYNA-GRO	D.G. 3242 RR	53.6	0.8	36	3350	37.5	19.9	325	9	23	
PRAIRIE BRAND	PB-2421RR	53.4	0.9	38	3360	37.9	19.5	324	9	22	
LATHAM	457RR	53.0	1.3	40	3310	38.0	19.4	323	9	21	
MUSTANG	M-224RR	51.7	0.8	35	3240	37.3	19.5	311	9	22	
MUSTANG	M-234RR	51.7	0.8	35	3240	37.3	19.5	311	9	22	
MUSTANG	M-284RR	51.7	0.8	35	3240	37.3	19.5	311	9	22	
MUSTANG	M-253RR	51.7	0.8	35	3240	37.3	19.5	311	9	22	
ASGROW	AG2402	50.9	1.0	41	3520	37.8	19.8	310	9	22	
Average all entries		53.5	1.0	37	3309	37.3	19.7	323	9	23	
Difference req. for sig. 5%		NS	NS	2	NS	0.8	0.4	NS	2		
Three Year Average											
LATHAM	647RR	57.7	1.0	34	3360	35.5	18.9	330	9	21	
KRUGER	255 RR	57.2	1.0	35	3370	35.2	19.0	326	9	23	
KRUGER	262-2 RR	55.6	1.1	35	3290	35.6	19.0	320	9	21	
PRAIRIE BRAND	PB-2421RR	54.5	1.0	35	3360	36.1	18.7	315	9	22	
LATHAM	457RR	53.4	1.3	38	3350	36.2	18.7	310	9	20	
Average all entries		55.7	1.1	35	3346	35.7	18.9	320	9	21	
Difference req. for sig. 5%		3.1	0.5	NS	226	0.9	NS	19	2		

Northeast Late Roundup Ready Soybean Variety Test Dixon and Pierce Counties - 2003

Name	Variety	YIELD			Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	Maturity	
		Average Bu/A	Dixon Bu/A	Pierce Bu/A						MO	DAY
GENEAL Genetics	25-51 ##	53.2	43.1	63.3	29	3450	35.98	20.78	319.47	9	25
LATHAM	967RR	52.5	40.6	64.3	35	3510	35.82	20.15	310.01	9	28
WAGER	322-2 RR	52.0	40.9	63.0	31	3480	36.43	20.52	313.56	10	1
PRAIRIE BRAND	PB-2821RR	50.8	38.5	63.3	35	3370	36.03	20.67	304.55	9	29
WAGER	289+ RR	50.7	39.7	61.7	31	3210	36.65	20.45	304.96	9	29
PRAIRIE BRAND	PB-2643RR	50.0	38.0	61.9	30	3470	36.09	20.19	296.75	9	29
SANDS	SOI 2872RR	49.9	37.8	62.0	35	3430	35.54	20.73	294.91	9	28
WAGER	92B84 ##	49.7	40.0	59.3	31	3490	37.41	21.01	305.90	9	26
RENZE	R2803RR	49.7	40.2	59.0	35	3420	35.75	21.00	297.95	9	29
GARST	2677RR	49.6	36.1	63.0	28	3510	36.72	21.03	301.57	9	23
RENZE	R2822RR	49.6	37.9	61.3	28	3590	36.73	20.43	299.09	9	28
LATHAM	1067RR	49.2	39.3	59.0	33	3600	35.82	20.42	291.51	9	30
AGROW	AG2703 ##	48.8	33.2	64.4	32	3570	35.44	20.47	289.87	9	28
LATHAM	E2530R	48.6	36.9	60.2	34	3610	36.40	20.35	289.66	9	27
DYNA-GRO	D.G. 38K28	48.5	38.3	58.6	34	3370	36.68	20.45	292.70	9	29
RENZE	R2724RR	48.5	36.3	60.6	31	3410	35.87	20.70	289.79	9	30
MUPRIDE	8294RR	48.5	38.1	58.8	35	3460	36.33	20.56	290.03	9	28
LATHAM	E2900R	48.2	34.2	62.2	29	3430	37.06	20.68	294.74	9	29
KRUGER	318 RR	47.9	37.6	58.3	32	3540	36.55	20.26	287.16	9	30
RENZE	R2914RR	47.7	34.7	60.5	28	3250	36.10	20.20	283.34	9	28
STINE	S2900-4	47.7	39.0	56.3	32	3430	35.49	20.13	282.15	9	30
KRUGER	282+ RR	47.7	36.0	59.4	29	3370	36.67	20.51	288.11	9	28
KRUGER	323+ RR	47.6	38.7	56.5	33	3650	35.70	19.59	278.46	9	30
MUSTANG	M-284RR	47.5	36.0	58.9	29	3350	36.56	20.43	285.95	9	29
SANDS	SOI 2953RR	47.4	34.2	60.5	28	3360	36.44	20.31	283.69	9	29
SANDS	SOI 2541RR	47.2	36.7	57.7	34	3600	36.05	20.64	283.44	9	27
MUSTANG	M-253RR	47.2	34.6	59.7	29	3470	37.70	20.11	287.21	9	26
LATHAM	917RR	47.0	36.0	58.1	32	3600	35.77	20.02	277.77	9	28
HELENA	2604	46.9	35.7	58.2	29	3500	36.50	20.43	282.57	9	27
HELENA	3111	46.7	34.4	58.9	31	3510	36.17	20.69	279.03	9	30
RENZE	R2884RR	46.4	35.7	57.0	31	3840	35.41	20.55	274.22	9	26
LATHAM	E2780R	46.2	34.0	58.3	32	3480	36.99	20.50	282.05	9	29
LATHAM	E3140R	46.1	35.4	56.7	33	3270	36.67	20.47	280.06	9	29
LATHAM	E2857R	45.8	36.4	55.2	35	3190	36.61	21.07	279.38	9	30
LATHAM	678RR	45.8	33.6	58.0	31	3430	37.15	20.20	278.69	9	27
KRUGER	292 RR	45.7	33.9	57.4	27	3370	36.38	20.43	275.11	9	28
KRUGER	353 RR	45.6	36.7	54.4	30	3830	37.84	20.38	279.76	10	2
PRAIRIE BRAND	PB-2732RR	45.6	33.1	58.0	28	3380	37.21	20.54	277.93	9	28
PRAIRIE BRAND	PB-3063RR	45.3	34.5	56.1	31	3550	35.45	19.83	264.33	10	1
SANDS	SOI 271RR	45.1	31.6	58.6	31	3600	36.28	20.94	270.83	9	25
LATHAM	E3245R	44.9	35.7	54.0	29	3510	37.83	19.57	272.54	10	2
DYNA-GRO	D.G. 3263 RR	44.7	34.3	55.1	33	3510	35.38	20.68	264.85	9	27
HELENA	2874	44.6	34.3	54.8	34	3670	38.55	20.01	276.97	9	28
GARST	2903RR	44.5	33.2	55.8	34	3690	36.51	20.53	266.78	9	30
SANDS	SOI 2792RR	44.5	34.2	54.7	36	3460	37.47	20.38	273.01	9	29
AA--	NE X 2301	44.5	35.3	53.6	24	3220	36.39	20.93	270.56	9	23
HELENA	2914	44.3	32.1	56.4	27	3380	36.18	20.75	264.25	9	28
Average all entries		47.6	36.3	58.8	31	3475	36.40	20.50	286.70	9	28
Difference req. for sig. 5%		3.2	4.5	6.2	4	197	1.40	NS	18.76		3

Northeast Late Maturing Roundup Ready Soybean Variety Tests 2002 - 2003

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	NEB RANK
Two Year Average									
PRAIRIE BRAND	PB-2821RR	56.0	1.5	45	3180	37.1	19.7	337	9
LATHAM	967RR	55.5	1.6	45	3270	37.1	19.5	332	9
RENZE	R2822RR	55.0	0.6	38	3350	37.7	19.6	334	9
SANDS	SOI 2872RR	54.4	1.4	45	3220	36.9	19.8	326	9
RENZE	R2803RR	54.3	1.9	45	3220	37.0	20.0	327	9
SANDS	SOI 2541RR	53.1	1.3	43	3390	37.3	19.6	320	9
LATHAM	917RR	52.8	1.0	41	3460	36.8	19.1	313	9
SANDS	SOI 271RR	51.4	1.1	41	3490	37.1	19.8	309	9
SANDS	SOI 2792RR	50.7	1.5	47	3230	38.0	19.6	310	9
KRUGER	292 RR	50.3	1.3	36	3320	37.5	19.3	303	9
Average all entries		53.4	1.3	43	3313	37.3	19.6	321	9
Difference req. for sig. 5%		3.2	0.5	3	198	0.8	0.5	15	
Three Year Average									
PRAIRIE BRAND	PB-2821RR	58.2	1.4	43	3190	35.4	18.8	333	9
SANDS	SOI 2792RR	53.4	1.4	45	3220	36.2	18.7	309	9
Average all entries		55.8	1.4	44	3205	35.8	18.8	321	9
Difference req. for sig. 5%		4.1	NS	3	NS	NS	NS	23	

Nebraska's National Rankings

3rd All cattle and calves, Jan. 1, 2003 — 6,200,000 head
 All dry edible beans production, 2002 — 3,465,000 cwt.
 Cash receipts from all livestock marketings, 2001 — \$6,086,231,000

4th Corn for grain production, 2002 — 940,800,000 bushels
 Land in farms and ranches, 2001 — 46,400,000 acres
 On-farm storage capacity, 2002 — 970,000,000 bushels
 Off-farm commercial grain storage capacity, 2002 — 690,405,000 bushels
 Cash receipts from all farm marketing, 2001 — \$9,488,580,000

South Central Early Roundup Ready Soybean Variety Test Saunders and Clay Counties - 2003

Variety	YIELD			Bushel Weight	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA		Maturity DAY
	Average Bu/A	Saunders Bu/A	Clay Bu/A							\$/A	MO	
TRX2J28RR	71.5	69.1	73.9	56.7	1.9	40	3200	35.65	19.39	415.42	9	25
289+ RR	70.9	67.1	74.7	57.3	1.2	35	3230	36.44	19.59	419.73	9	27
C9284RR ##	70.6	67.6	73.6	56.2	1.6	32	2990	36.92	19.10	418.31	9	27
322-2 RR	70.5	64.7	76.2	57.2	1.2	37	3210	36.24	19.66	416.66	9	27
E3140R	69.9	64.4	75.3	56.9	2.2	40	2950	37.78	19.04	420.80	9	29
D.G.31G30	69.8	68.2	71.3	56.5	1.5	31	3030	36.82	19.64	416.36	9	27
E2857R	69.8	63.4	76.1	57.0	1.9	42	3070	36.95	19.95	420.89	9	28
260 RR	69.6	64.9	74.3	58.4	1.6	35	3330	37.65	18.84	417.25	9	25
R2914RR	69.6	67.2	71.9	56.5	1.5	32	3100	36.41	19.24	410.99	9	27
R2724RR	69.6	65.7	73.4	56.7	1.3	34	3260	36.18	19.93	412.03	9	26
292 RR	69.6	68.3	70.8	56.2	1.4	31	3020	36.27	19.19	408.20	9	27
8294RR	69.0	64.5	73.4	56.6	1.9	41	3230	36.40	19.58	409.17	9	26
E3245R	68.8	61.8	75.8	57.1	1.7	37	3300	38.02	18.76	415.90	9	30
D.G.37B28	68.8	63.1	74.5	55.8	1.7	36	3080	36.12	20.11	409.02	9	25
2933RR	68.7	67.7	69.6	56.2	1.6	31	3020	36.47	19.72	407.73	9	27
SOI 2872RR	68.7	64.1	73.2	56.4	1.8	40	3260	37.26	20.10	415.98	9	25
251 RR	68.4	66.7	70.0	56.7	1.9	37	3240	36.97	19.97	411.43	9	24
2903RR	68.4	58.5	78.2	57.3	1.6	42	3400	37.15	19.29	409.72	9	28
SOI 2833RR	68.3	62.1	74.4	56.5	1.1	31	3480	36.66	19.62	405.70	9	25
287 RR	68.1	63.2	72.9	57.0	1.4	35	3040	38.91	19.61	422.56	9	26
SOI 2953RR	67.8	65.5	70.1	56.4	1.4	31	3080	36.47	19.19	400.02	9	26
D.G. 38K28	67.3	62.8	71.8	56.5	2.0	40	3260	36.62	20.02	401.78	9	26
BG2801RR	67.0	62.3	71.6	57.8	2.1	40	3190	36.59	19.11	394.97	9	30
C2883RR ##	66.8	62.0	71.5	56.2	1.5	34	3220	37.67	19.03	401.47	9	26
282+ RR	66.7	61.9	71.5	56.7	1.3	35	3060	37.18	19.74	402.53	9	26
R2803RR	66.5	64.6	68.4	56.6	1.7	40	3190	37.09	19.97	402.33	9	25
SOI 2792RR	66.4	62.3	70.4	56.3	1.7	40	3130	37.95	19.84	406.37	9	26
PB-2821RR	66.4	62.4	70.4	56.7	2.0	40	3270	36.48	20.17	397.40	9	25
PB-3063RR	66.2	61.5	70.9	56.5	2.1	36	3220	37.15	20.09	400.18	9	29
318 RR	65.9	58.7	73.1	56.5	2.7	36	3200	36.67	19.99	394.08	9	29
2834RR	65.7	61.2	70.1	56.7	1.1	31	3340	36.90	19.19	391.57	9	26
270 RR	65.5	63.6	67.3	56.4	1.8	41	3250	37.39	19.99	397.59	9	26
AG2703 ##	64.8	63.2	66.4	55.9	1.1	37	3280	36.45	19.81	384.59	9	26
344 RR/SCN	64.5	63.2	65.7	57.4	1.5	35	3130	37.20	20.14	390.55	9	30
R2884RR	64.0	59.5	68.4	56.9	2.4	37	3570	37.73	18.55	381.76	9	27
2640-4	64.0	61.7	66.3	56.2	1.3	34	3210	37.96	19.02	386.24	9	27
PB-2552RR	63.7	63.6	63.8	56.1	1.5	35	3250	37.90	18.65	382.52	9	26
S3183-4	63.6	63.0	64.1	56.9	1.9	38	3370	35.96	19.64	373.01	9	30
3083 ##	63.4	59.3	67.5	57.2	2.1	38	3600	37.34	19.24	380.40	9	29
323+ RR	63.2	62.9	63.4	57.3	1.7	37	3360	37.00	19.37	376.99	9	29
8279RR	62.7	55.7	69.7	56.5	2.5	37	3610	39.19	18.24	384.04	9	27
SOI 3140RR	62.6	62.5	62.6	57.1	1.8	36	3420	36.23	19.38	369.03	9	29
R2994Rcn	62.6	60.1	65.0	56.8	1.9	39	3560	37.74	18.98	377.48	9	28
1067RR	61.7	63.1	60.2	57.0	1.8	38	3570	36.58	19.29	364.65	9	29
3135RR	61.6	61.1	62.1	57.0	2.0	37	3570	36.40	19.61	365.29	9	25
9A274NRR	61.5	61.2	61.7	57.1	1.6	35	3460	39.73	18.81	383.15	9	28
2842-4	61.2	59.9	62.5	57.2	1.6	36	3490	38.88	18.87	375.77	9	27
RT3176 ##	60.1	60.9	59.2	57.1	1.9	36	3370	38.33	19.96	370.52	9	29
2907RR(CN)	59.7	58.4	60.9	57.1	1.4	34	3620	36.91	19.30	356.11	9	29
Average all entries	66.3	63.0	69.4	56.8	1.7	36	3269	37.10	19.50	397.19	9	27
Difference req. for sig. 5%	4.5	3.5	5.7	0.4	0.4	4	257	1.70	1.00	NS		2

East/South Central Late Roundup Ready Soybean Variety Test Saunders and Clay Counties

Brand	Variety	YIELD			Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	Maturity MO	Days
		Average Bu/A	Saunders Bu/A	Clay Bu/A									
ASGROW	AG3302 ##	70.8	64.3	77.3	57.8	1.9	43	3050	37.93	19.14	428.59	9	24
AA---	NE 3301H2R	70.2	64.3	76.0	56.9	1.9	38	2840	36.65	19.25	415.94	9	24
AA---	NE X 8903	69.5	62.6	76.4	57.3	1.7	40	3370	36.78	18.72	408.31	9	24
CROPLAN	RT2882 ##	68.7	66.2	71.1	56.6	1.7	41	3120	37.61	20.59	422.51	9	24
NUPRIDE	8354RR	68.3	64.6	71.9	57.5	1.9	44	2950	36.77	20.61	413.90	9	24
AA---	NE 3301H1R	67.9	61.8	73.9	56.9	1.8	38	2890	36.22	19.37	399.25	9	24
TRISOY	3222RR(CN)	67.8	62.8	72.8	57.7	1.9	43	3130	36.55	19.29	401.72	9	24
MIDLAND	9B354RS	67.7	61.0	74.3	57.5	1.8	45	3090	37.51	18.49	402.82	9	24
MIDLAND	9B333RS	67.4	61.5	73.3	57.7	1.6	42	3090	37.37	18.61	400.69	9	24
TRIUMPH	TR3283RR	67.2	61.6	72.8	58.0	1.9	38	3180	37.71	20.04	410.59	9	24
KRUGER	379 RR	66.8	64.0	69.5	57.8	2.4	40	3450	37.13	18.43	393.45	9	24
PRAIRIE BRAND	PB-3732RR	66.1	63.3	68.8	57.9	2.3	40	3500	36.99	18.83	391.31	9	24
KRUGER	353 RR	65.9	61.7	70.0	58.0	1.9	37	3510	37.62	19.36	398.37	9	24
PRAIRIE BRAND	PB-3292RR	65.8	60.3	71.3	57.8	1.6	41	3230	36.86	19.13	390.19	9	24
MIDLAND	9B314NRR	65.6	62.0	69.1	57.9	2.0	43	3220	36.84	18.51	385.07	9	24
KRUGER	355 RR	65.3	64.7	65.9	56.8	1.5	35	2870	36.47	19.25	385.27	9	24
KRUGER	377 RR/SCN	65.2	62.5	67.9	57.0	2.5	37	3340	36.42	19.87	387.94	9	24
RENZE	R3383Rcn	65.1	61.3	68.9	57.8	1.8	42	3340	36.96	19.05	386.37	9	24
TRISOY	3530RR(CN)	65.0	61.6	68.3	57.6	2.5	41	3520	38.21	18.50	392.28	9	24
STINE	S3632-4	65.0	61.5	68.5	56.7	1.9	37	3430	36.57	19.52	386.75	9	24
KRUGER	383 RR	64.8	61.2	68.3	57.8	1.8	41	3390	36.46	19.29	381.67	9	24
SANDS	SOI 3632NRR	64.7	63.4	65.9	56.9	2.1	36	3360	36.21	19.66	381.41	9	24
DYNA-GRO	D.G. 3362 NRR	64.0	62.0	65.9	56.7	1.9	37	3280	36.56	19.28	378.24	9	24
LG SEEDS	C3444NRR	63.5	61.3	65.6	56.8	1.3	36	2870	36.45	19.02	373.06	9	24
KRUGER	323 RR	62.9	61.9	63.9	57.1	1.6	38	3510	36.50	20.05	375.51	9	24
ASGROW	AG3201 ##	62.9	61.3	64.4	58.2	1.8	41	3420	36.54	18.92	369.85	9	24
TRISOY	3113RR	62.2	62.5	61.9	57.0	1.5	38	3520	36.37	20.14	371.33	9	24
DYNA-GRO	D.G. 3323 RR	61.9	63.0	60.7	57.1	1.5	35	3540	37.08	19.68	371.71	9	24
Average all entries		65.8	62.4	68.7	57.4	1.8	39	3255	36.90	19.30	391.68	9	24
Difference req. for sig. 5%		NS	3.3	3.8	0.6	0.4	4	316	NS	1.20	NS		

East/South Central Early Maturing RR Soybean Variety Tests 2002 - 2003

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	Days
Two Year Average											
KRUGER	287 RR	63.3	1.5	33	56.1	2850	38.2	19.0	385	9	24
KRUGER	292 RR	63.3	1.5	30	55.7	2890	36.6	18.7	371	9	26
TRIUMPH	TRX2J28RR	63.1	2.2	37	55.8	2930	35.9	19.0	367	9	25
SANDS	SOI 2872RR	62.5	2.1	37	55.7	2970	36.7	19.4	372	9	24
KRUGER	282+ RR	62.0	1.6	33	55.8	2840	37.0	19.2	369	9	26
STINE	S3183-4	61.3	1.9	35	55.8	3090	36.0	19.0	357	9	26
RENZE	R2803RR	60.8	2.0	37	55.4	2980	36.5	19.4	360	9	25
SANDS	SOI 2792RR	60.7	2.1	39	55.3	2880	37.4	19.3	366	9	26
PRAIRIE BRAND	PB-2821RR	60.2	2.3	38	55.8	3010	36.3	19.5	356	9	25
LG SEEDS	C2883RR	60.1	1.3	31	55.6	3040	37.2	18.6	356	9	27
KRUGER	323+ RR	60.0	1.7	35	56.1	3090	36.7	18.9	353	9	27
PRAIRIE BRAND	PB-2552RR	59.3	1.7	32	54.3	3010	37.3	18.3	351	9	25
Average all entries		61.4	1.8	35	55.6	2965	36.8	19.0	364	9	26
Difference req. for sig. 5%		NS	0.5	2	1.0	152	1.1	0.4	NS		3
Three Year Average											
STINE	S3183-4	63.5	1.7	36	56.3	3110	34.4	18.5	354	9	29
KRUGER	323+ RR	62.7	1.6	36	56.5	3080	35.0	18.4	353	9	28
SANDS	SOI 2792RR	61.4	1.9	39	55.7	2800	36.0	18.7	356	9	28
PRAIRIE BRAND	PB-2821RR	61.3	2.3	39	56.2	2960	34.8	18.8	347	9	26
Average all entries		62.2	1.9	38	56.2	2988	35.1	18.6	353	9	28
Difference req. for sig. 5%		NS	0.6	3	0.5	187	0.6	0.4	NS		3

South Central Late Maturing RR Soybean Variety Tests 2002 - 2003

Breed	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	DAY
Two Year Average											
WILSON	AG3302	64.9	1.9	39	56.3	2790	37.7	18.5	387	9	30
SANDS	SOI 3632NRR	63.8	2.0	33	55.7	2990	36.4	18.9	373	10	4
KRUGER	377 RR/SCN	62.7	2.1	34	55.6	3000	36.6	19.1	370	10	3
DYNA-GRO	D.G. 3362 NRR	62.4	1.8	34	55.3	2960	36.3	18.8	364	10	3
KRUGER	353 RR	62.0	1.8	34	56.5	3260	37.3	18.8	369	9	30
STONE	S3632-4	61.9	1.9	34	55.3	3070	36.5	18.9	364	10	3
Average all entries		63.0	1.9	35	55.8	3012	36.8	18.8	371	10	2
Difference req. for sig. 5%		NS	NS	1	0.4	186	0.8	0.4	NS		3

Southeast Early Roundup Ready Soybean Variety Test Richardson and Thayer Counties - 2003

Breed	Variety	YIELD			Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	MO		DAY
		Average	Richardson	Thayer								MO	DAY	
WILSON	Exp.335ORRS	59.0	52.1	65.8	58.1	1.7	36	3180	35.64	19.75	346.04	9	24	
WILSON	9B333RS	57.0	47.7	66.2	58.5	1.2	33	3230	36.09	19.80	336.02	9	23	
PIONEER	93B09 ##	55.4	51.6	59.0	57.7	1.1	34	3110	35.61	21.44	331.29	9	21	
KRUGER	353 RR	54.6	47.7	61.3	58.2	1.5	32	3780	36.19	21.06	330.60	9	23	
KRUGER	318 RR	54.3	47.6	60.9	57.3	1.4	32	3500	34.94	21.39	319.83	9	23	
AA--	NE X 8903	54.2	51.5	56.9	57.4	1.3	34	3470	34.24	20.34	310.30	9	25	
BIO GENE	BG3200NRR	53.9	48.2	59.6	58.1	1.8	34	3430	35.04	20.80	318.55	9	22	
RENZE	R3383Rcn	53.1	45.2	61.1	57.8	1.3	35	3390	35.55	20.05	311.43	9	22	
AA--	NE 3301H2R	52.6	49.4	55.8	57.9	1.3	31	3110	34.43	19.61	301.66	9	23	
WILLCROSS	RR2323N	52.5	49.1	55.8	58.4	1.4	35	3340	35.15	19.65	305.03	9	23	
BIO GENE	BG342RR	52.4	46.5	58.1	57.8	1.6	30	3540	36.04	20.41	311.78	9	25	
DYNA-GRO	D.G.31G30	52.3	45.8	58.8	57.3	1.0	28	3310	36.22	20.81	313.54	9	22	
KRUGER	355 RR	52.2	47.5	56.8	57.2	1.0	31	3000	35.61	20.85	310.33	9	24	
AA--	NE 3301H1R	51.5	46.0	57.2	57.5	1.3	32	3180	35.70	20.03	303.85	9	22	
MYCOGEN	5B311 ##	51.4	44.2	58.4	57.7	1.4	33	3740	34.47	20.69	299.15	9	22	
KRUGER	292 RR	51.1	44.6	57.5	57.1	1.0	27	3360	35.60	20.21	303.02	9	22	
SANDS	SOI 2953RR	50.6	46.3	54.7	57.1	1.0	28	3230	35.14	20.55	296.77	9	21	
SANDS	SOI 3140RR	50.1	45.2	55.1	57.8	1.4	32	3720	35.26	20.57	295.09	9	23	
DYNA-GRO	D.G. 38K28	49.8	47.6	51.8	57.7	1.9	34	3630	35.82	20.52	294.32	9	22	
WILLCROSS	RR2293N	49.8	47.9	51.6	57.3	1.1	30	3670	38.26	19.71	307.52	9	22	
NUPRIDE	8303RR	49.0	45.5	52.5	56.8	1.3	27	3270	35.63	20.19	287.14	9	22	
WILLCROSS	RR2312	48.8	45.9	51.6	58.0	1.3	32	3790	34.99	20.69	284.26	9	22	
KRUGER	323+ RR	48.1	44.4	51.7	58.2	1.3	32	3740	34.00	21.10	278.98	9	23	
SANDS	SOI 344RR	47.1	42.9	51.4	57.6	1.4	30	3650	35.70	20.12	277.65	9	25	
Average all entries		51.8	46.9	56.8	57.8	1.3	32	3437	35.50	20.40	307.11	9	23	
Difference req. for sig. 5%		4.2	5.0	10.2	0.6	0.4	3	340	1.70	1.00	25.00		1	

Southeast Late Roundup Ready Soybean Variety Test and Thayer Counties - 2003

Brand Maturity	Variety	YIELD			Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein Pct	Grain Oil Pct	EPVA \$/A	MO	DAY
		Average	Richardson	Thayer									
SANDS	SOI 3632NRR	52.4	46.1	58.3	57.1	1.0	29	3380	34.94	20.23	304.71	9	24
WILLCROSS	RR2362	52.3	48.2	55.3	56.2	1.0	29	3280	35.30	20.30	306.22	9	24
RENZE	R3814RR	50.8	44.8	56.0	56.4	1.0	30	3400	35.60	20.44	299.97	9	24
KRUGER	397 RR/SCN	50.6	44.6	54.4	56.7	1.4	34	3390	35.53	20.66	300.06	9	24
MIDLAND	9B354RS	50.4	43.6	56.8	56.8	1.0	34	3290	35.47	19.54	292.57	9	24
RENZE	R3994Rcn	49.2	48.9	52.8	57.2	1.3	34	3240	35.17	19.74	284.62	9	24
KRUGER	393 RR/SCN	49.0	48.2	47.6	56.6	1.2	33	3040	34.89	20.35	285.92	9	24
STINE	S3932-4	48.9	46.2	52.0	56.5	1.0	28	3280	35.65	20.34	287.53	9	24
WILLCROSS	RR2373N	48.9	45.6	52.1	56.2	1.4	33	3670	35.71	20.08	288.27	9	24
WILLCROSS	RR2393N	48.6	50.7	46.4	58.0	1.0	33	3150	35.06	20.59	284.80	9	24
NUPRIDE	8354RR	48.6	49.8	48.1	57.6	1.1	36	3160	35.64	21.02	289.17	9	24
KRUGER	379 RR	48.5	47.4	49.4	56.1	1.1	34	3740	36.94	19.51	290.03	9	24
KRUGER	404 RR	48.4	46.7	49.7	56.8	1.0	29	3370	35.27	20.67	285.56	9	24
STINE	S3532-4	48.2	48.3	48.3	57.5	1.0	30	3100	34.74	21.12	282.45	9	24
WILLCROSS	RR2354N	48.0	47.3	47.9	56.8	1.0	31	3210	35.69	20.27	283.44	9	24
MIDLAND	9B374NRR	47.6	45.7	50.1	56.3	1.3	32	3770	36.14	20.21	284.65	9	24
KRUGER	380 RR/SCN	47.2	47.7	46.5	56.9	1.4	31	3710	34.74	20.43	274.23	9	24
RENZE	R3684Rcn	46.9	45.8	47.4	56.5	1.1	33	3750	36.31	19.87	278.59	9	24
KRUGER	395 RR/SCN	46.6	46.6	47.8	58.4	1.0	37	3900	35.79	19.76	274.01	9	24
TAYLOR	374RR	46.4	46.9	47.2	56.3	1.4	33	3780	36.18	19.63	273.30	9	24
BIO GENE	BG3620NRR	46.1	43.6	48.1	57.0	1.0	29	3520	35.19	20.34	270.38	9	24
MYCOGEN/ATLAS	5368RR ##	45.9	43.6	48.4	57.3	1.0	34	3340	34.65	20.78	267.83	9	24
DYNA-GRO	D.G. 3362 NRR	45.7	43.3	47.5	57.4	1.0	31	3480	34.32	20.47	264.60	9	24
KRUGER	383 RR	45.7	42.7	49.7	55.4	1.0	32	3450	34.64	20.26	264.37	9	24
RENZE	R3692RR	45.0	45.9	39.9	56.9	1.1	30	3470	35.65	20.86	267.30	9	24
KRUGER	390 RR/SCN	43.9	41.4	45.4	57.8	1.3	39	3200	35.61	19.74	257.47	9	24
DYNA-GRO	D.G.31B35	43.6	44.6	41.6	57.0	1.1	31	3640	36.87	19.92	261.82	9	24
WILLCROSS	RR2392N	43.4	46.7	40.7	56.2	1.2	32	3800	34.22	20.22	248.90	9	24
Average all entries		47.7	45.9	48.9	56.8	1.1	32	3443	35.40	20.30	280.39	9	24
Difference req. for sig. 5%		NS	3.5	9.5	1.5	0.2	3	345	NS	NS	NS		1

Southeast Early Maturing RR Soybean Variety Tests 2002 - 2003

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	DAY
Two Year Average										
WILLCROSS	RR2323N	38.0	27	57.5	3160	36.0	17.9	218	9	25
RENZE	R3383Rcn	37.5	27	53.5	3060	36.2	18.1	217	9	25
BIO GENE	BG342RR	36.7	24	55.8	3350	35.9	18.6	214	9	27
KRUGER	353 RR	36.6	24	53.8	3480	36.2	19.0	218	9	26
PIONEER	93B09	36.3	24	50.3	2910	35.7	19.5	214	9	25
KRUGER	292 RR	34.7	21	52.9	3160	35.8	18.5	203	9	23
WILLCROSS	RR2312	34.2	25	53.5	3420	35.1	18.9	196	9	23
NUPRIDE	8303RR	33.4	20	52.0	3110	35.7	18.5	193	9	22
Average all entries		35.9	24	53.7	3206	35.8	18.6	209	9	25
Difference req. for sig. 5%		NS	3	NS	261	NS	0.5	NS		NS

Southeast Late Maturing RR Soybean Variety Tests 2002 - 2003

BRAND	VARIETY	GRAIN YIELD BU/A	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										
RENZE	SOI 3632NRR	39.5	22	57.1	3060	35.2	18.8	227	9	28
MIDCROSS	RR2373N	38.4	25	56.7	3280	36.3	18.3	223	9	29
WAGER	380 RR/SCN	36.5	24	56.9	3450	35.4	18.8	210	9	28
RENZE	R3692RR	36.5	23	56.9	3190	35.4	19.2	212	9	28
DYNA-GRO	D.G. 3362 NRR	36.4	23	56.9	3050	35.0	18.8	208	9	28
Average all entries		37.5	23	56.9	3206	35.5	18.8	216	9	28
Difference req. for sig. 5%		NS	2	NS	292	NS	0.5	NS		NS

Central Irrigated Roundup Ready Soybean Variety Test Merrick and Dawson Counties - 2003

Brand	Variety	YIELD			Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein	Grain Oil	EPVA \$/A
		Average	Merrick	Dawson							
RENZE	R2803RR	81.6	85.9	77.2	55.5	1.8	40	2990	35.24	20.71	481.44
FOUR STAR	3295RR	80.0	84.2	75.8	55.8	1.6	38	3160	35.26	20.12	468.00
DYNA-GRO	D.G. 38K28	79.9	85.7	74.1	55.4	1.9	36	3160	35.53	20.55	472.21
TRISOY	3113RR	79.3	80.8	77.8	55.6	1.7	37	3140	36.23	20.21	472.23
DYNA-GRO	D.G.37B28	79.0	82.1	75.8	54.9	1.7	37	2770	36.20	20.38	472.03
GARST	3135RR	78.3	82.4	74.1	56.0	1.5	37	3090	35.48	19.39	453.75
ASGROW	AG2703 ##	78.0	84.5	71.4	54.9	1.9	37	3120	35.77	20.44	462.54
STINE	S3183-4	77.8	81.7	73.9	55.7	1.8	37	3210	35.29	20.39	456.30
FOUR STAR	3285RR	77.6	84.2	70.9	54.6	1.8	31	2790	36.45	20.19	464.44
GARST	2603RR	77.5	81.9	73.0	55.7	1.3	37	2640	37.17	19.96	468.49
PIONEER	93B09 ##	77.0	80.3	73.6	55.1	1.9	34	2720	36.43	21.25	467.39
TRISOY	3222RR(CN)	76.7	76.7	76.7	56.2	2.0	41	2870	37.33	19.57	462.12
RENZE	R2884RR	76.7	77.0	76.4	55.3	1.9	37	3420	36.54	18.60	448.31
GARST	2903RR	76.3	81.0	71.6	55.8	1.7	40	3130	36.43	19.92	454.37
FOUR STAR	3274RR	76.1	78.5	73.6	55.8	1.3	34	3080	36.56	19.64	452.41
RENZE	R2724RR	76.0	79.0	73.0	56.0	1.6	34	3120	34.85	20.34	441.56
ASGROW	AG3302 ##	76.0	77.2	74.8	56.2	2.2	43	2860	37.72	19.62	460.94
MIDLAND	9B354RS	75.9	76.7	75.1	56.3	1.9	43	2910	36.98	19.22	451.98
RENZE	R2914RR	75.2	83.2	67.1	54.8	2.0	30	2810	36.37	20.22	450.07
TRISOY	2933RR	75.1	84.5	65.6	54.6	1.8	31	2790	36.24	19.61	443.09
STINE	S3932-4	75.0	79.6	70.3	55.1	2.3	34	3230	36.38	19.35	442.13
MIDLAND	9B374NRR	74.1	75.9	72.2	56.2	2.3	40	3220	37.70	18.90	445.34
DYNA-GRO	D.G.34Z27	73.6	80.2	67.0	55.2	1.7	34	2990	36.04	19.55	432.40
TRISOY	3530RR(CN)	71.5	72.4	70.5	55.9	2.2	39	3310	37.58	18.99	429.00
Average all entries		76.8	80.5	72.3	55.5	1.8	36	3019	36.30	19.90	456.63
Difference req. for sig. 5%		NS	7.6	5.0	1.1	NS	5	291	1.60	1.30	NS

Central Irrigated RR Soybean Variety Tests 2002 - 2003

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
					Two Year Average			
RENZE	R2803RR	77.8	1.7	39	53.9	2870	35.8	20.0
STINE	S3183-4	76.0	1.7	37	54.0	3070	35.7	19.5
PIONEER	93B09	73.9	1.5	34	53.0	2590	36.6	20.4
Average all entries		75.9	1.6	37	53.6	2843	36.0	20.0
Difference req. for sig. 5%		NS	1.1	3	NS	35	1.0	0.5

West Irrigated Roundup Ready Soybean Variety Test Perkins and Brown Counties - 2003

Brand	Variety	YIELD			Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein	Grain Oil	EPVA S/A
		Average	Perkins	Brown							
KRUGER	223+ RR	61.4	57.7	65.0	53.7	1.2	28	2830	38.98	19.54	380.99
KRUGER	211+ RR	61.2	55.7	66.7	53.8	1.2	31	3040	39.55	18.96	380.66
KRUGER	227 RR	59.8	54.7	64.9	53.8	1.6	34	3160	40.99	17.90	376.14
ASGROW	AG2403 ##	58.9	54.8	62.9	53.1	1.3	31	2680	39.38	19.01	365.77
HELENA	X2324	58.6	55.4	61.8	54.4	1.6	34	3240	40.16	18.13	364.49
KRUGER	230 RR	58.6	54.3	62.9	54.6	1.6	35	3490	40.30	18.41	366.84
GARST	2018RR	58.4	52.1	64.7	53.6	1.6	34	3180	39.15	19.08	361.20
KRUGER	255 RR	58.0	54.9	61.1	54.6	1.7	34	3320	39.38	18.79	359.02
PRAIRIE BRAND	PB-2421RR	57.9	53.3	62.4	54.7	1.5	32	3270	40.21	18.48	362.16
KRUGER	262-2 RR	56.6	55.6	57.5	54.4	1.6	34	3130	39.89	18.39	351.49
KRUGER	268 RR	56.4	53.8	59.0	55.0	1.8	33	3400	39.71	18.87	351.65
KRUGER	222A RR	56.1	48.5	63.6	55.5	1.6	34	3270	40.19	18.47	350.63
PRAIRIE BRAND	PB-2821RR	56.0	52.7	59.2	54.4	2.7	41	3370	40.10	18.53	350.00
ASGROW	AG2302 ##	55.3	49.0	61.6	54.6	1.6	33	2880	40.95	18.49	350.60
GARST	2677RR	55.0	49.5	60.4	54.8	1.7	34	3250	41.18	17.97	347.88
LG SEEDS	C2434RR	54.5	52.9	56.0	54.3	1.4	33	3070	39.64	18.87	339.54
ASGROW	AG2703 ##	53.4	47.6	59.2	54.2	2.2	35	3680	39.60	18.83	332.15
KRUGER	250 RR	53.0	48.4	57.6	54.1	1.7	38	3480	40.86	18.02	333.64
NUPRIDE	8244RR	52.7	45.9	59.4	54.9	1.9	36	3500	40.21	18.45	329.90
KRUGER	270 RR	52.6	49.6	55.6	54.6	2.4	42	3340	39.35	19.02	326.65
AA---	NE X 2301	51.6	52.8	50.4	57.1	1.6	27	2970	39.33	19.23	321.21
KRUGER	260 RR	50.6	52.7	48.4	55.2	2.2	37	3480	40.32	18.65	317.77
HELENA	2604	48.9	48.5	49.2	54.0	1.7	35	3330	40.25	18.34	305.87
KRUGER	251 RR	47.1	43.9	50.2	54.4	2.5	37	3770	40.04	18.66	294.61
KRUGER	252 RR	41.0	43.1	38.8	55.3	2.3	38	3500	40.08	18.12	254.61
Average all entries		54.9	51.5	58.3	54.5	1.7	34	3263	39.90	18.60	342.93
Difference req. for sig. 5%		6.6	6.2	9.7	1.1	NS	5	366	NS	NS	41.08

Washington Co. Cyst Nematode Variety Test 2003

Brand	Variety	Grain	Bushel Weight lb/bu	Plant Lodging Rating	Plant Height Inches	Grain Seed /lb	Grain Protein	Grain Oil	EPVA \$/A
DYNA-GRO	D.G. 3362 NRR	52.0	55.6	1.0	34	3570	33.47	22.44	304.72
DYNA-GRO	D.G. 35R27	46.7	56.8	1.0	32	3950	38.81	20.68	295.14
DYNA-GRO	D.G. 32M32	57.9	57.6	1.4	40	3390	35.94	20.88	344.51
DYNA-GRO	D.G. 3321 NRR	60.8	58.1	1.0	39	3620	36.02	21.98	368.45
HONCHUELLE	X9221NRR	60.9	57.3	1.1	41	3270	35.66	21.19	364.79
HONCHUELLE	F8192NRR	53.6	57.3	1.0	33	4250	36.14	22.03	327.50
HONCHUELLE	F8281NRR	47.8	56.8	1.0	32	3630	38.56	20.77	300.18
WARRT	2812RR/N	50.7	57.0	1.0	32	3750	39.77	20.76	325.49
WARRT	3212RR/N	56.0	58.0	1.0	39	3750	35.09	21.54	333.76
WARRT	D294RR/N	52.1	57.5	1.0	38	4030	38.29	21.20	326.15
WARRT	XR27N02	49.1	57.4	1.0	31	3900	39.47	20.65	312.77
LITCHAM	688RRN	50.2	56.4	1.0	33	3990	36.04	22.95	310.24
LITCHAM	E2878R	47.8	57.0	1.0	35	3970	39.35	21.05	303.53
LITCHAM	957RRN	54.6	57.9	1.0	33	3960	36.43	20.23	325.42
LITCHAM	E2978R	57.1	57.1	1.0	36	3700	35.68	22.11	347.74
RENZE	R2783Rcn	53.8	57.1	1.0	32	3640	38.66	20.88	337.86
RENZE	R2994Rcn	53.8	56.4	1.0	34	3940	36.89	21.58	329.26
WANDS	SOI 2642NRR	54.9	56.4	1.5	39	3670	37.53	22.02	344.22
WANDS	SOI 2858NRR	53.8	57.1	1.0	32	3710	39.15	20.33	340.55
Average all entries		53.5	57.1	1.1	35	3761	37.20	21.30	328.53
Difference req. for sig. 5%		4.2	0.6	0.2	2.5	200	3.30	1.00	20.74

Washington Co. Cyst Nematode Variety Tests 2002 - 2003

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
Two Year Average								
RENZE	R2783Rcn	49.6	33	56.3	3420	37.4	18.9	297
DYNA-GRO	D.G. 3362 NRR	45.0	34	54.1	3330	33.9	19.8	256
Average all entries		47.3	34	55.2	3375	35.7	19.4	277
Difference req. for sig. 5%		NS	NS	NS	NS	NS	NS	NS

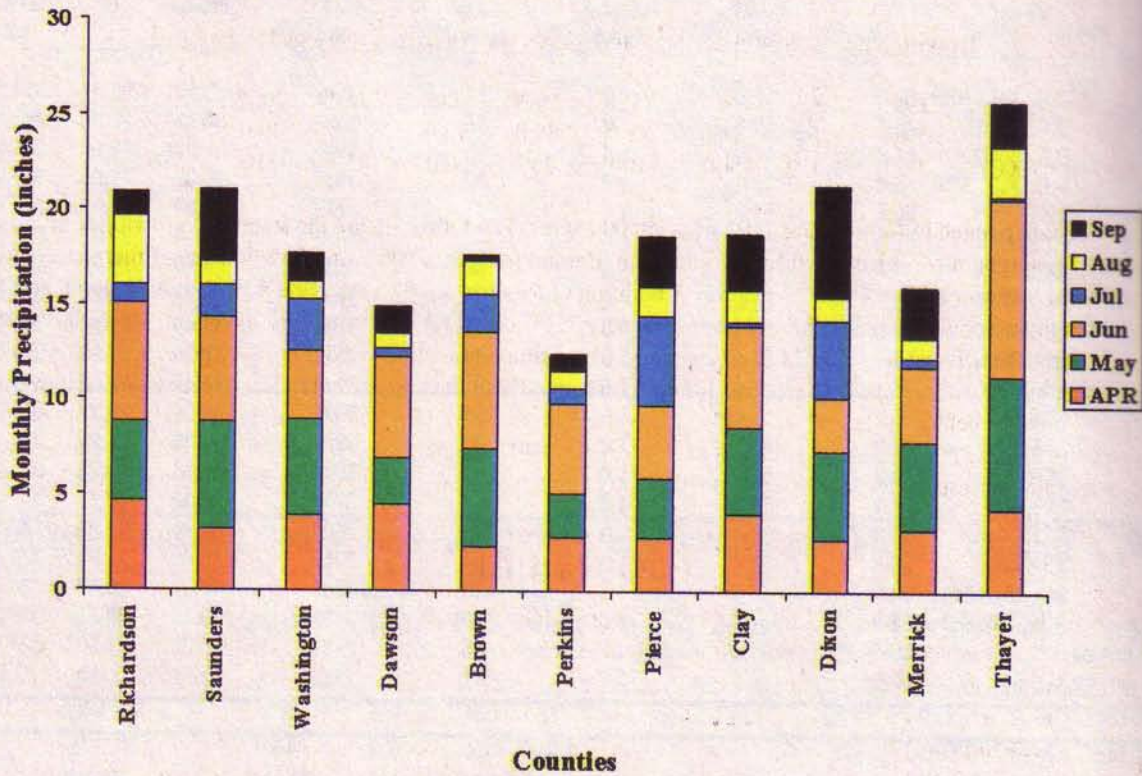
Did you know ?

Total assets (excluding operator households) in Nebraska farms and ranches totaled an estimated \$44.4 billion as of December 31, 2001, virtually unchanged from a year ago.

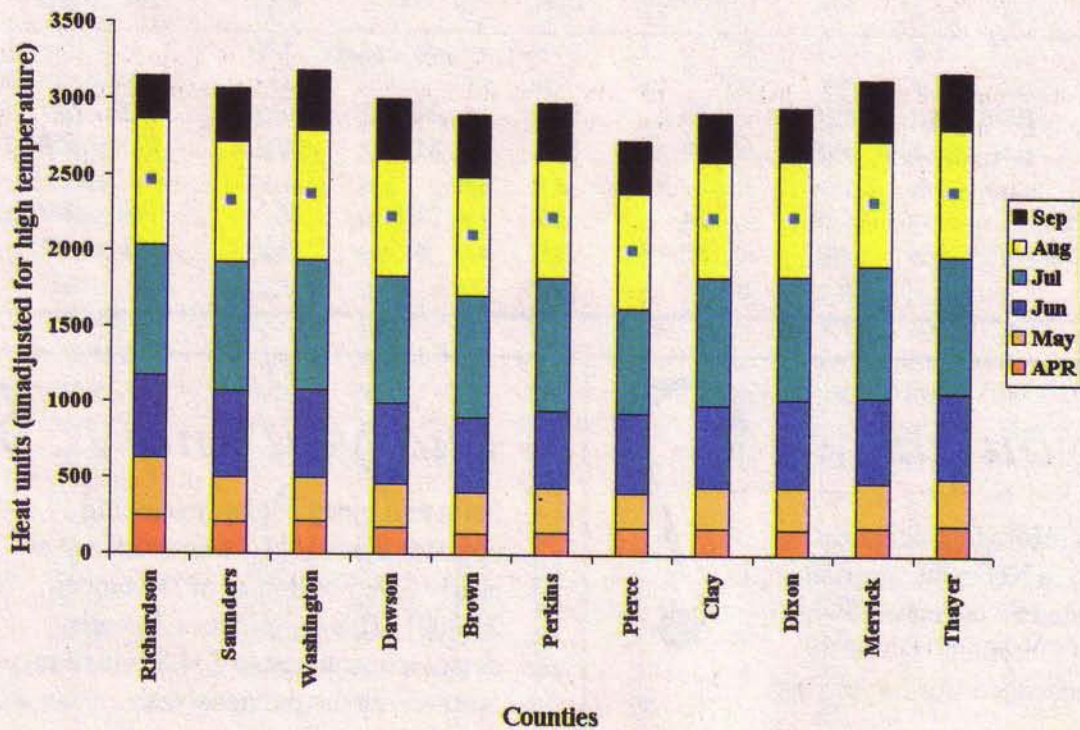
Did you know ?

Farm and ranch equity (excluding operator households) was estimated at nearly \$34.5 billion as of December 31, 2001. This represents a 1 percent decrease compared to \$34.8 billion in farm equity the previous year.

April - September Precipitation for 2003 Soybean Plots



April - September Heat Units (base 50) for 2003 Soybean Plots



NEBRASKA GRAIN SORGHUM HYBRID TESTS

2003 Crop Production Summary

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

	1995	1996	1997	1998	1999	2000	2001	2002	2003
Yield bu/A	54.0	95.0	83.0	98.0	89.0	73.0	84.0	49.0	62.0
Acres Harvested(000)	980	1,030	800	700	450	470	450	310	510

Total grain sorghum planted in Nebraska in 2003 was 650,000 acres. The following are the statewide growing conditions for grain sorghum. By June 15, sorghum was planted with 91% complete. Behind last year at 96% and 95% average. Emergence was at 66% of the acreage, behind of last year at 85% and 83% average. Condition of the crop rated as 4% poor, 32% fair, 64% good, and 13% excellent. By July 14, sorghum condition rated 1% very poor, 3% poor, 32% fair, 54% good and 10% excellent, above last year and average and one per cent of the acreage was headed. By September 21, sorghum condition rated 23% very poor, 33% poor, 34% fair, 10% good, above last year but below average. The crop had turned color on 88% of the acreage behind last year at 89% and average at 94%. Thirty percent was mature, behind of last year at 59% and average at 55%. By October 19, sorghum condition was rated 20% very poor, 30% poor, 37% fair, 13% good, and 0% excellent. Harvest was 49% completed, behind last year at 54% and average at 59%. November 16, sorghum harvest made good progress with 96% complete, ahead of last year at 92% and near average at 97%. s: N 44.8525 W -103.69046.

PROCEDURE

Locations of trials are shown on the map (Page 11). 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 was treated with Concept. Planting 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 percent 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 percent level a difference of that magnitude would be expected once in twenty trials through chance alone. This is the fifth year of using a statistical procedure for minimizing spatial variability on the plot area.

RESULTS

The average performance of all entries at each 2003 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 (Page 59)

Twenty six entries were planted at two locations excluding farmer entries. Gage County farm entries were NC+ 7C22 @ 100.0 bu/a, Mycogen 697 @ 95.9 bu/a, Pioneer 84G62 @ 118.9 bu/a and NK K73-J6 @ 112.8 bu/a. Average for all entries were 103.1 bu/a. This test was planted in the same field as the Southeast Dryland Corn Hybrid trial. The average for all corn entries was 87.3 bu/a compared to the average of all sorghum entries of 103 bu/a. Saline County farm entries were NC+ 7C22 @ 82.4 bu/a, Mycogen 697 @ 67.2

bu/a, Pioneer 84G62 @ 87.7 bu/a, DEKALB Genetics DK- 44 @ 66.2 bu/a. Average for all entries was 66.9 bu/a.

South Central (Page 60)

Clay County irrigated and dryland plots had 17 entries, 4 replications, 4 rows 30 inches wide. Plots were harvested using the center two rows. The irrigated plot used gravity irrigation and was located at the SCREC near Clay Center. The average yield for the irrigated plot was 160.9 bu/a. The average moisture was 17.1%. This

plot was seeded with a slot planter using a 4 row Kinze planter. Dryland test average sorghum yield was 72.5 bu/a. The average moisture was 16.5%.

Southwest (Page 61)

Fourteen hybrids were tested in Red Willow and Hayes Counties using no till plots. The Red Willow test averaged 97.1 bu/a. Average moisture was 12.1%. Hayes test averaged 41.1 bu/a. Average moisture was 10.7%.

West (Pages 61-62)

Sixteen entries were tested in Cheyenne and Deuel Counties. The Cheyenne County test averaged 35.8 bu/a and 23.1% moisture.

Precipitation in the spring of 2003

was about average, but due to extreme drought in 2002, subsoil moisture was below average. From mid June until the end of August precipitation was below average, and temperatures above average. Rainfall came in small amounts at intermittent times which caused variable response within the plot. This also slowed the maturity of the sorghum. Some precipitation and warm weather in September helped with maturity, but most varieties were not mature when killed by frost Oct.1. The Deuel County test was no till dryland and averaged 28.8 bu/a. Planting was delayed by rainy weather. Then a hard rain after planting reduced stands and caused a problem with grassy weeds. This was followed by severe drought, with one good rain in August. Warm September

weather along with some precipitation resulted in some grain yield, but yields had been slowed so much by drought that most was immature when killed by frost in October.

West Gravity Irrigated (Page 62)

One test in Scotts Bluff County was 19 entries. Average for all entries was 19 bu/a. Very low bushel weight 24.8 was average for all entries. Planting was delayed due to drought. There was some to germinate the crop after planting, but there was no emergence until irrigation was applied on June 24. This was followed by good growing conditions for irrigated sorghum, but the crop was too far behind and not much was mature when killed by early October frost.

Cultural Practices

Gage (dryland): No-till. Crop history: 2002 soybeans. Fertilizer: Preplant 120 lbs/a N. Herbicide: Spirit 1oz, 2/5 pt 2,4-D. Insecticide: None. Hand hoed plot. Nitrogen in depth sampled 71 lb/a, 6.6 avg ppm, soil pH 6.4, Lime needed 0 lb/a, O. M. 3.1%, Bray -1 P 13 ppm low, K 331 ppm. Coordinates: N 40.3023 W 96.6611.

Saline (dryland): No-till. Crop history: 2002, 2001 soybeans. Fertilizer: 28-0-0 liquid 100 lbs Nitrogen. Herbicide: Roundup for burn down, Bicep II Mag.. Insecticide: None. Nitrogen in depth sample 206 lb/a, Soil pH 5.1, Lime needed 6000 lb/a, O.M. 2.4%, Bray-1 P 9.8 ppm Low, K 396 ppm, VHI. Coordinates: N 40.624 W -97.0429.

Clay (gravity irrigated): Crop history. Soybeans 2002 and sorghum in 2001. Fertilizer: 160 lbs/a N as anhydrous ammonia. Herbicide: 2.1 qt/a Bicep II Magnum, 30 oz/a Roundup Ultra Max pre-emergence broadcast. Insecticide: None. Nitrogen in depth sample 24 lb/a, Soil pH 7.0, O.M. 3.0%, Bray-1 P 10 ppm, K 364 ppm, Sulfate 1 ppm, Zinc 0.91 ppm. Coordinates: N 40.57901 W -98.14481.

Clay (dryland): Crop history: soybeans 2002, grass 2001. Fertilizer: 105 lbs/a N as 28% preplant. Insecticide: None. Herbicide: 2.1 qt/a Bicep II Mag broadcast preemergence. Nitrogen in depth sample 67 lb/a, Soil pH 6.1, O.M. 2.9%, Bray-1 P 16 ppm, K 550 ppm, Sulfate 1 ppm, Zinc 1.4 ppm. Coordinate: N 40.57731 W -98.1297.

Red Willow (No till): No-till. Crop history: fallow 2001, wheat 2002. Fertilizer: 7.5 gal 32-0-0 + 7.5 gal 10-32-0 at planting. Herbicide: 2 pt Touchdown + 4 pt Bicep II Magnum preplant. Insecticide: Lorsban at 8 oz/1000 ft. Nitrogen in depth sample 55 lb/a, Soil pH 5.69, O.M. 2.96%, Bray-1 P 47.56 ppm, K 500 ppm. Coordinates: N 40.25166 W -100.64918.

Hayes (No till): Crop history: 2001 wheat, 2002 wheat. Fertilizer: 14 gal 32-0-0 + 6 gal 10-34-0 preplant. Herbicides: 2.8 pt Guardsman Max + 0.5 pt Banvel preplant and 24 oz Glyphosate preplant burn down. Insecticide: Lorsban 8 oz/1000ft. Nitrogen in depth sample 19.79 lb/a, Soil pH 5.73, O.M. 0.93 ppm, Bray-1 P 42.4 ppm, K 717

ppm. Coordinates: N 40.38048 W 101.00389.

Deuel (Fallow): Crop history: Planted no till into winter wheat stubble. Fertilizer: 100 lb/a N, 15 lb P preplant, starter of 7 lb N, 24 lb P + 0.75 lb/a Zn. Herbicide: Atrazine. Insecticide: None. Nitrogen in depth sampled 109 lb/a, Soil pH 6.2, Lime needed 6000 lb/a, O.M. 1.8%, Bray-1 P 37 ppm, K 836 ppm. Coordinates: N 41.23117 W 103.01576.

Cheyenne (No-Till): Dry land. Crop history: Planted no-till into winter wheat stubble. Fertilizer: 55 lb/a N pre-plant, starter of 7 lb N, 24 lb P + .75 lb Zn. Herbicide: Atrazine. Insecticide: None. Nitrogen in depth sampled 138 lb/a, Soil pH 7.0, O. M. 2.2%, Bray-1 P 23 ppm, K 828 ppm. Coordinates: N 41.23117 W -103.01576.

Scotts Bluff (Irrigated): Conventional tillage, gravity irrigated. 2002 crop was dry edible beans. No fertilizer, soil tests showed a residual 175-200 lbs of nitrogen and a high level of Phosphorus. No herbicide applied, just cultivation. Insecticide: None. Coordinate

**Table A. Location and Cooperators.
2003 Nebraska Grain Sorghum Performance Tests.**

Location	Soil Type/Herbicide	Cooperator
Southwest		
Gage (dryland)	Crete silt loam Spirit, 2,4-D	James Engel Beatrice
Wame (dryland)	Crete/Butler Bicep II Magnum, Roundup Ultra Max	Roger Formanek Wilber
South Central		
Clay (irrigated)	Hastings silt loam Bicep II Magnum, Roundup Ultra Max	SCAL Clay Center
Clay (dryland)	Crete silt loam Bicep II Magnum	SCAL Clay Center
Southwest		
Red Willow (no-till)	Holdrege & Keith silt loam Bicep II Magnum, Balance	Cappell Farms McCook
Hayes (no-till)	Kuma silt loam Guardsman Max, Banvel, Glyphosate	Dennis Riener Palisade
West		
Deuel (fallow)	Keith silt loam Atrazine, Dual	Mark Keppler Big Springs
Cheyenne (no-till)	Keith loam Atrazine, Dual	High Plains Ag Lab Sidney
Scotts Bluff (irrigated)	Tripp fine sandy loam No herbicide, cultivation	PHREC Scotts Bluff

Table B. Entrants. Nebraska Grain Sorghum Performance Tests. 2003

Brand	Company	Address
—	Agricultural Research Div., UNL	Lincoln, NE 68583
DeKalb/Asgrow	Monsanto Company	7159 N. 247 W., Mt. Hope, KS. 67108
Garst	Garst Seed Company	1104 W 18th Rd, Aurora, NE 68818 1101 Mansfield Drive, Ft. Collins, CO 80525
Sorghum Partners	Sorghum Partners, Inc.	P. O. Box 189, New Deal, TX 79350
Triumph	Triumph Seed Co., Inc.	P. O. Box 1050, Ralls, TX 79357

Did you know



Twenty-two percent of all Nebraskans are employed in farm or farm-related jobs.

Did you know



In 2002, Nebraska ranked third in the United States in ethanol production capacity of 370 million gallons. Approximately 135 million bushels of the State's corn crop went into production of ethanol.

Table C. Grain Sorghum entries and zones entered in 2003

Brand	Hybrid	Zone *	Brand	Hybrid	Zone
Dekalb/Asgrow	Monsanto X210	B	Sorghum Partners	X654	A I
Dekalb/Asgrow	Asgrow Pulsar	B	Sorghum Partners	1486	B D E
Dekalb/Asgrow	DXS36-00	B	Sorghum Partners	251	
	DK53-11	A I	Triumph	TR461	A I
	DKS54-00	A I	Triumph	TR460	I B
	DKS44-41	I	Triumph	TRX21725	
	DKS42-20	I	UNL	N250A X N248R	D D E
	A571	A I	UNL	N250A X 1038R	D D E
	Monsanto X128	A	UNL	N251A X 1038R	D D E
	Monsanto X218	A	UNL	N252A X 1038R	D D E
Garst Seed	5515		UNL	N250A X N249R	D D
Garst Seed	5750	D E	UNL	N252A X N249R	D D
Garst Seed	N2529	E	UNL	UNL 3001	
Garst Seed	9135	D	UNL	UNL 3007	
Garst Seed	5460	A I B	UNL	UNL 3009	
Garst Seed	5440	I	UNL	UNL 3012	
Garst Seed	5631Y	B	UNL	UNL 3016	A I B D E
Sorghum Partners	KS585	A I B D E	UNL	UNL 3005	A
Sorghum Partners	K73-J6	A I B D	UNL	UNL 3008	A
Sorghum Partners	K35-Y5	A I B	UNL	UNL 3010	A
Sorghum Partners	KS310	D E	UNL	UNL 3014	A
Sorghum Partners	NK7655	A I B D E	UNL	UNL 2026	A
Sorghum Partners	NK5418	A I B D E	UNL	TX631 X G60120-1	A
Sorghum Partners	NK8828	A I	UNL	TX631 X N581R	A
Sorghum Partners	NK7633	A I B D E	UNL	TX631 X N580R	A

* Zone A = Southeast, Zone I = South Central, Zone B = West Central, Zone D = West Dryland, E = West Irrigated

Table D. Grain Sorghum. Average performance at each test location. 2002

Location	Planted	Harvested	Grain yield bu/A	Planting to bloom days	Plant height inches	Head exsertion inches	Test weight lb/bu
Southeast							
Gage (dryland)	May 29	Oct. 21	103	78	46	3.0	60.6
Saline (dryland)	May 29	Oct. 21	67	83	42	2.4	56.5
Average 2 tests	---	---	85	81	44	2.7	58.5
South Central							
Clay (irrigated)	June 4	Oct. 29	161	71	56	5.7	---
Clay (dryland)	June 5	Oct. 31	73	---	38	0.2	---
Average 2 tests	---	---	117	71	47	3.0	---
West Central							
Red Willow	May 29	Oct. 21	97	---	42	---	57.7
Hayes	May 29	Oct. 21	41	---	---	---	55.9
Average 2 tests	---	---	69	---	42	---	56.8
West							
Deuel (fallow)	June 3	Oct. 17	29	---	36	---	---
Cheyenne (no-till)	May 31	Oct. 9	36	---	34	---	42.8
Scotts Bluff (irrigated)	June 13	Oct. 21	45	---	29	---	24.8

Table E. Sorghum performance.
Average for common entries over years within tests.
Three years. 2001 - 2003.

	Year	Grain yield bu/a	Planting to bloom days	Plant height inches	Head exsertion inches	Early-grain moisture %	Test weight lbs/bu
Southeast (4 entries)	2001	132	65	51	3	15.4	59.6
	2002	118	66	49	5	16.2	59.6
	2003	78	84	44	3	19.5	56.2
South Central (4 entries)	2001	147	72	57	6	14.9	59.6
	2002	114	69	46	4	18.8	--
	2003	113	74	48	3	16.8	--
West (3 entries)	2001	60	--	30	--	21.5	45.5
	2002	94	--	33	--	16.9	42.2
	2003	35	--	34	--	20.7	45.9

Nebraska's National Rankings

5th *Grain sorghum production, 2002 — 15,000,000 bushels*
Sorghum silage production, 2002 — 188,000 tons
Commercial hog slaughter, live weight, 2002 — 1,827,455,000 lbs.
Soybean production, 2002 — 176,330,000 bushels

6th *All hay production, 2002 — 5,950,000 tons*
Commercial hog slaughter, 2002 — 6,944,700 head
Alfalfa hay production, 2002 — 4,050,000 tons

Grain Sorghum Characteristics 2003

Brand	Variety	Mat Rel To RS626	Grain Color	Height RS626=Med	Greenbug Resistance	
					C	E
Dekalb/Asgrow	Monsanto X210	Early	Bronze	Short Med	C	E
Dekalb/Asgrow	Asgrow Pulsar	Early	Bronze	Short Med	C	E
Dekalb/Asgrow	DXS36-00	Early	Bronze	Short Med	C	E
-	DK53-11	Med Late	Bronze	Tall	C	E
-	DKS54-00	Med Late	Bronze	Tall	C	E
-	DKS44-41	Med	Yellow	Med Tall	C	E
-	DKS42-20	Early Med	Bronze	Med	C	E
-	A571	Med Late	Red	Med Tall	-	-
-	Monsanto X128	Med Late	Bronze	Med Tall	C	E
-	Monsanto X218	Med Late	Bronze	Med Tall	C	E
Garst Seed	5515	Med	Lt. Bronze	Med	-	-
Garst Seed	5750	Early	Bronze	Med	-	E
Garst Seed	N2529	Early Med	Bronze	Med	-	-
Garst Seed	9135	Early	Bronze	Short	-	-
Garst Seed	5460	Med	Bronze	Med	-	E
Garst Seed	5440	Med Late	Red	Med	-	E
Garst Seed	5631Y	Early Med	Cream	Med	-	E
Sorghum Partners	KS585	Med	Bronze	Med	C	E
Sorghum Partners	K73-J6	Med Late	Bronze	Med Tall	C	E
Sorghum Partners	K35-Y5	Early	Cream	Short	C	E
Sorghum Partners	KS310	Early	Bronze	Med	C	E
Sorghum Partners	NK7655	Med Late	Cream	Med	C	E
Sorghum Partners	NK5418	Med	Bronze	Med	C	E
Sorghum Partners	NK8828	Med Late	White	Med Tall	-	-
Sorghum Partners	NK7633	Med Late	Bronze	Med	-	-
Sorghum Partners	X654	Med Late	Bronze	Med	-	-
Sorghum Partners	1486	Early	Yellow	Short	C	E
Sorghum Partners	251	V.Early	Red	V.Short	-	-
Triumph	TR461	Early Med	Red	Med	C	E
Triumph	TR460	Early Med	Yellow	Med	C	E
Triumph	TRX21725	V.Early	Bronze	Short	-	-
UNL	N250A X N248R	V.Early	White	Short	-	-
UNL	N250A X 1038R	V.Early	White	Short	-	-
UNL	N251A X 1038R	V.Early	Bronze	Short	-	-
UNL	N252A X 1038R	V.Early	Cream	Short	-	-
UNL	N250A X N249R	V.Early	White	Short	-	-
UNL	N252A X N249R	V.Early	Cream	Short	-	-
UNL	UNL 3001	Early	White	Med	-	-
UNL	UNL 3007	Early	White	Med	-	-
UNL	UNL 3009	Early	Cream	Tall	-	-
UNL	UNL 3012	Early	Cream	Tall	-	-
UNL	UNL 3016	Med	White	Med	-	-
UNL	UNL 3005	Med	Cream	Med	-	-
UNL	UNL 3008	Med	White	Short	-	-
UNL	UNL 3010	Med	White	Short	-	-
UNL	UNL 3014	Med	White	Tall	-	-
UNL	UNL 2026	Med	Cream	Med	-	-
UNL	TX631 X G60120-1	Med	White	Med	-	-
UNL	TX631 X N581R	Med	White	Med	-	-
UNL	TX631 X N580R	Med	White	Med	-	-

South
Brand
DEKALB
SORGHUM
ASGROW
TRIUMPH
DEKALB
UNL 14
SORGHUM
Average
Difference
TRIUMPH
DEKALB
ASGROW
SORGHUM
Average
Difference
Seed Guide

Southeast Grain Sorghum Hybrid Test - 2003

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
MONSANTO	X218	99.8	116.5	82.8	81	60.0	45	3	19.7	16600
DEKALB Genetics	DKS53-11	99.4	120.8	77.8	81	59.9	47	3	19.4	15200
UNL15	TX631 x G60120-1	97.5	123.6	71.2	84	56.3	49	3	20.3	14900
UNL14	TX631 x N580R	97.0	120.3	73.5	83	58.6	51	3	17.2	18900
UNL13	TX631 x N581R	95.7	119.4	72.1	84	57.6	49	4	19.2	17300
SORGHUM PARTNERS	KS585	94.2	107.4	81.0	72	63.2	39	3	12.7	19100
SORGHUM PARTNERS	NK7655	94.0	101.3	86.6	79	61.1	43	2	12.8	18800
SORGHUM PARTNERS	NK X654	93.1	117.6	68.8	80	58.5	39	2	16.2	17100
MONSANTO	X128	91.3	105.8	76.7	81	59.3	46	3	20.1	15900
ARST	5460	90.6	119.4	62.0	80	58.8	45	4	18.4	17700
SORGHUM PARTNERS	K73-J6	88.8	103.6	74.3	80	59.6	44	3	15.1	16400
UNL10	N267A x N581RS	86.9	104.7	69.3	80	60.9	43	3	13.4	18500
UNL11	N286A x 22808-2	85.7	98.4	72.9	81	60.5	40	1	13.4	17600
AA---	UNL3008	85.3	98.0	72.7	81	59.0	43	3	14.4	16200
TRIUMPH	TR 461	84.4	96.2	72.2	80	60.8	46	3	14.1	18600
AA---	UNL3014	84.2	109.3	59.0	83	57.2	52	3	18.4	16800
DEKALB Genetics	DKS54-00	83.9	113.2	54.4	84	55.2	46	4	23.4	16600
ASGROW	A571	82.9	104.2	60.5	83	56.6	42	4	16.6	18600
SORGHUM PARTNERS	NK5418	81.4	89.1	73.4	72	60.7	40	4	12.2	19900
AA---	UNL3010	80.5	99.6	60.8	81	58.8	44	2	15.1	17000
AA---	UNL3005	77.3	98.4	56.1	86	56.4	42	4	19.0	18100
UNL12	46038 x 22808-9	73.1	94.4	51.7	82	56.5	42	3	18.4	18500
AA---	UNL2026	67.1	86.0	47.9	84	56.2	40	3	17.9	19300
SORGHUM PARTNERS	NK7633	60.6	69.7	51.5	81	57.7	41	2	15.0	18000
SORGHUM PARTNERS	NK-8828	59.9	82.2	38.0	88	52.2	42	2	23.8	22300
AA---	UNL3016	50.9	65.4	36.3	84	55.8	42	3	18.0	16800
Average all entries		84.0	103.0	66.9	81	58.3	44	3	17.1	17700
Difference req. for sig. 5%		18.1	13.2	18.4	5	3.3	5	NS	4.5	2232

Southeast Grain Sorghum Hybrid Test 2001 - 2003

Brand	Hybrid	Grain Yield bu/a	Days to bloom	Bushel weight lb/bu	Plant height inches	Head exsertion inches	Grain moisture pct	Seeds per pound
Two Year Average								
DEKALB Genetics	DKS53-11	127.0	72	60.8	47	2	15.5	14300
SORGHUM PARTNERS	NK X654	111.5	72	59.4	42	2	16.0	15300
ASGROW	A571	109.0	74	58.2	45	4	15.4	16400
TRIUMPH	TR 461	106.2	72	61.1	47	3	13.8	16900
DEKALB Genetics	DKS54-00	100.0	75	57.1	48	5	20.6	15200
UNL14	TX631 x N580R	82.0	73	58.2	53	2	15.1	15500
SORGHUM PARTNERS	NK-8828	76.5	79	55.2	46	3	21.5	19000
Average all entries		101.7	74	58.6	47	3	16.8	16086
Difference req. for sig. 5%		NS	3	NS	NS	NS	4.0	NS
Three Year Average								
TRIUMPH	TR 461	118.1	69	61.1	48	3	14.0	16900
DEKALB Genetics	DKS54-00	115.6	72	57.9	49	5	19.3	14900
ASGROW	A571	111.6	71	58.4	46	4	15.2	16000
SORGHUM PARTNERS	NK-8828	92.3	76	56.4	48	3	19.5	18700
Average all entries		109.4	72	58.5	48	4	17.0	16625
Difference req. for sig. 5%		NS	2	3.0	NS	1	4.1	1800

South Central Grain Sorghum Hybrid Test - 2003 Clay County Irrigated and Dryland

Brand	Hybrid	Average bu/a	Yield Irr bu/a	Dry bu/a	Days to bloom	Plant height inches	Head exsertion inches	Grain moisture pct	
DEKALB Genetics	DKS53-11	140.3	172.5	108.1	73	51	3	18.9	
GARST	5440	135.3	173.7	96.8	71	50	3	16.2	
SORGHUM PARTNERS	K73-J6	124.9	167.8	82.0	71	49	4	17.2	
SORGHUM PARTNERS	NK7633	124.1	173.6	74.6	70	47	3	17.6	
SORGHUM PARTNERS	NK X654	120.5	167.8	73.2	70	46	3	17.3	
GARST	5460	119.9	180.1	59.7	72	47	3	17.4	
TRIUMPH	TR 460	117.4	161.0	73.7	69	45	3	17.7	
ASGROW	A571	117.1	162.6	71.5	74	49	5	17.3	
SORGHUM PARTNERS	NK-8828	116.3	156.7	75.8	76	48	3	16.3	
SORGHUM PARTNERS	KS585	114.4	149.5	79.3	65	43	3	15.9	
TRIUMPH	TR 461	112.8	169.5	56.0	71	48	2	16.0	
AA----	UNL3016	111.5	155.2	67.8	75	51	2	16.9	
DEKALB Genetics	DKS42-20	110.4	152.0	68.7	66	49	4	16.5	
DEKALB Genetics	DKS54-00	107.1	156.2	57.9	73	49	4	17.8	
SORGHUM PARTNERS	NK7655	107.0	156.5	57.4	71	47	3	15.9	
DEKALB Genetics	DKS44-41	103.9	148.9	58.9	71	47	3	16.4	
SORGHUM PARTNERS	NK5418	101.2	130.9	71.4	65	41	3	15.5	
Average all entries		116.7	160.9	72.5	71	48	3	16.8	1.5
Difference req. for sig. 5%		NS	17.3	NS	2	4	NS	NS	1.2

South Central Grain Sorghum Hybrid Test 2001 - 2003

Brand	Hybrid	Grain Yield bu/a	Days to bloom	Plant height inches	Head exsertion inches	Grain moisture pct	Plant lodging pct
Two Year Average							
SORGHUM PARTNERS	NK X654	115.3	67	44	3	16.8	1
DEKALB Genetics	DKS54-00	114.5	72	49	5	18.1	1
ASGROW	A571	114.0	72	46	4	18.8	1
TRIUMPH	TR 461	113.9	69	48	3	16.9	5
SORGHUM PARTNERS	NK-8828	112.1	74	45	3	17.6	1
DEKALB Genetics	DKS42-20	110.7	63	44	4	17.0	5
DEKALB Genetics	DKS44-41	105.5	67	45	3	17.2	1
Average all entries		112.3	69	46	4	17.5	2
Difference req. for sig. 5%		NS	2	NS	1	NS	NS
Three Year Average							
TRIUMPH	TR 461	125.6	68	51	3	16.1	3
SORGHUM PARTNERS	NK-8828	125.4	74	49	4	16.6	1
DEKALB Genetics	DKS54-00	125.0	72	52	5	17.5	1
ASGROW	A571	123.0	72	50	5	17.3	1
Average all entries		124.8	72	51	4	16.9	2
Difference req. for sig. 5%		NS	2	NS	1	NS	NS

Southwest Grain Sorghum Hybrid Test - 2003 Red Willow and Hayes Counties

Brand	Hybrid	Average bu/a	Yield RW bu/a	Hayes bu/a	Bushel weight lb/bu	Plant height inches	Plant lodging pct	Grain moisture pct
DEKALB Genetics	DKS36-00	89.3	110.9	67.6	56.3	40	1	10.2
GARST	5631Y	80.6	108.0	53.2	59.0	41	0	12.1
SORGHUM PARTNERS	NK5418	79.8	111.2	48.3	57.5	38	0	10.2
GARST	5460	78.8	112.9	44.7	57.8	47	4	12.0
MONSANTO	X210	76.0	92.1	59.9	56.6	42	3	10.9
AGROW	Pulsar	75.3	91.3	59.3	55.5	40	0	10.2
SORGHUM PARTNERS	K35-Y5	71.8	91.2	52.3	57.4	37	0	10.6
SORGHUM PARTNERS	KS585	71.0	103.5	38.4	59.3	40	0	12.9
TRUMPH	TR 460	70.3	105.9	34.6	57.1	43	0	11.7
SORGHUM PARTNERS	NK7655	61.6	98.0	25.2	55.8	44	0	11.5
SORGHUM PARTNERS	NK7633	59.4	87.5	31.2	55.1	45	0	12.5
SORGHUM PARTNERS	1486	58.4	90.9	25.9	56.2	39	0	9.8
—	UNL3016	52.2	81.5	22.9	56.7	48	0	12.2
SORGHUM PARTNERS	K73-J6	43.2	74.6	11.8	55.6	46	0	13.8
Average all entries		69.1	97.1	41.1	56.8	42	1	11.4
Difference req. for sig. 5%		17.8	14.5	15.1	1.7	3	NS	NS

West Grain Sorghum Hybrid Test - 2003 Cheyenne and Deuel Counties

Brand	Hybrid	Average bu/a	Yield Cheyenne bu/a	Deuel bu/a	Maturity rating 1-5	Bushel weight lb/bu	Plant height inches	Grain moisture pct	Plant Stand pct
SORGHUM PARTNERS	NK5418	44.4	51.2	37.5	1	45.2	36	26.4	81
SORGHUM PARTNERS	K35-Y5	42.4	44.2	40.6	1	47.2	34	25.2	71
SORGHUM PARTNERS	KS310	41.2	49.3	33.1	2	45.0	35	23.4	83
DEKALB Genetics	DK28E	40.5	43.5	37.5	1	47.3	33	13.7	87
GARST	9135	38.4	43.7	33.1	2	43.5	37	19.0	50
GARST	5750	36.0	37.1	34.9	2	47.3	39	27.4	68
AA----	N250A X N248R	35.9	44.5	27.2	1	50.6	33	16.7	30
AA----	N250A X 1038R	35.6	42.2	29.0	2	45.7	33	23.2	40
AA----	N251A X 1038R	34.5	47.3	21.6	1	42.3	34	21.9	20
AA----	N252A X 1038R	33.6	35.2	32.0	1	44.9	35	23.6	18
SORGHUM PARTNERS	KS585	33.2	31.1	35.3	3	40.3	35	27.7	87
SORGHUM PARTNERS	1486	33.0	35.4	30.6	3	41.8	36	27.6	89
AA----	N250A X N249R	26.1	34.1	18.0	1	46.7	34	22.1	50
AA----	N252A X N249R	25.3	29.7	20.9	2	47.2	33	19.9	19
SORGHUM PARTNERS	NK7633	22.9	20.7	25.1	3	37.5	36	28.7	80
AA----	UNL3016	18.3	16.5	20.0	3	38.3	37	29.9	20
SORGHUM PARTNERS	NK7655	8.5	2.9	14.1	3	17.1	39	16.0	90
Average all entries		32.3	35.8	28.8	2	42.8	35	23.1	58
Difference req. for sig. 5%		13.3	12.0	NS	1	3.8	NS	4.0	23

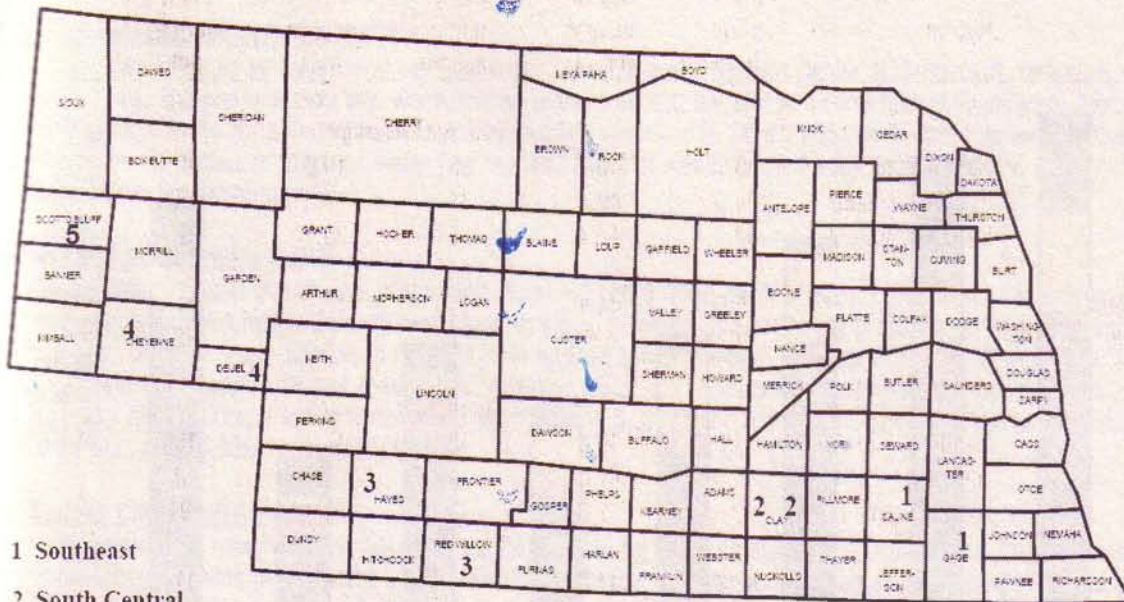
West Grain Sorghum Hybrid Test 2001 - 2003

Brand	Hybrid	Grain Yield bu/a	Bushel weight lb/bu	Plant height inches	Grain moisture pct	Plant lodging pct
Two Year Average						
AA----	N251A X 1038R	66.7	40.7	35	19.0	10
AA----	N250A X N248R	64.9	49.1	34	17.4	15
AA----	N252A X 1038R	63.3	42.4	35	20.2	9
Average all entries		65.0	44.1	35	18.9	11
Difference req. for sig. 5%		NS	1.5	NS	NS	NS
Three Year Average						
AA----	N250A X N248R	65.3	49.3	32	17.7	15
AA----	N251A X 1038R	63.8	41.0	34	20.4	10
AA----	N252A X 1038R	60.5	43.3	33	21.1	9
Average all entries		63.2	44.5	33	19.7	11
Difference req. for sig. 5%		NS	1.8	NS	NS	NS

West Irrigated Grain Sorghum Hybrid Test - 2003 Scotts Bluff County

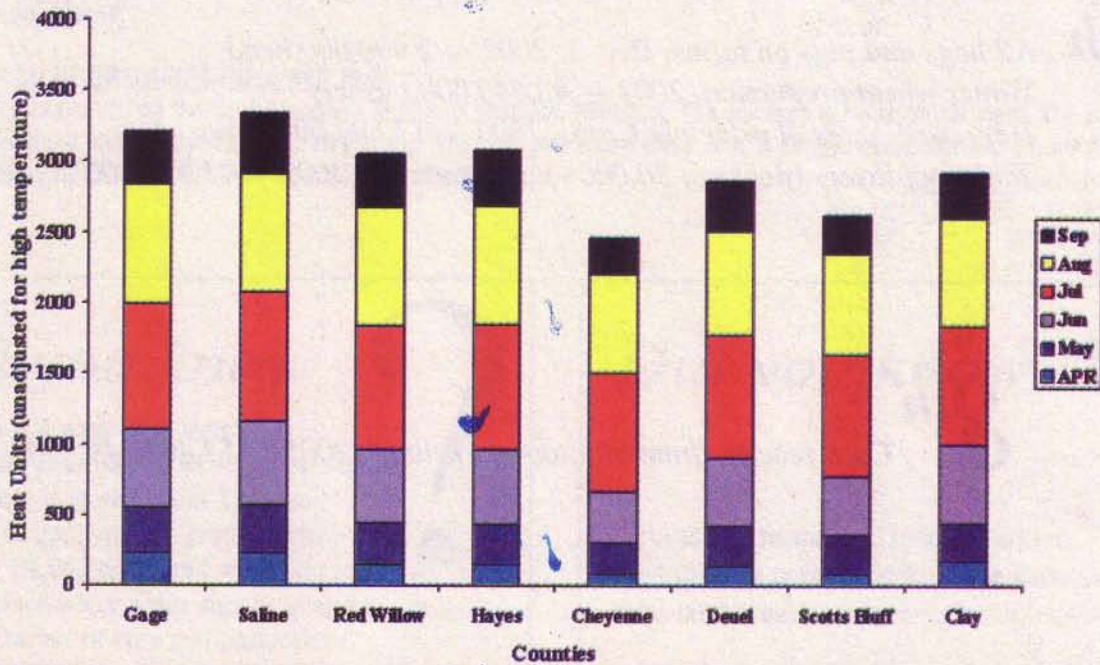
Brand	Hybrid	Average Yield bu/a	Bushel weight lb/bu
DEKALB Genetics	DK28E	95.6	36.6
TRIUMPH	TRX21725	71.8	40.1
SORGHUM PARTNERS	251	71.3	40.5
AA----	N250A X N248R	61.8	31.8
AA----	UNL3009	59.5	31.4
SORGHUM PARTNERS	NK5418	55.9	25.6
SORGHUM PARTNERS	KS310	53.4	21.1
SORGHUM PARTNERS	K35-Y5	46.7	26.3
GARST	5750	43.0	26.5
GARST	N2529	40.0	17.9
AA----	N250A X 1038R	38.3	24.5
AA----	UNL3012	37.0	16.4
GARST	5155	33.4	21.3
AA----	UNL3016	28.3	13.9
AA----	UNL3001	25.6	17.3
SORGHUM PARTNERS	1486	24.4	17.5
SORGHUM PARTNERS	KS585	21.8	16.1
SORGHUM PARTNERS	NK7633	21.8	29.9
AA----	UNL3007	15.7	17.0
Average all entries		44.5	24.8
Difference req. for sig. 5%		22.5	10.0

Locations of 2003 Grain Sorghum Tests

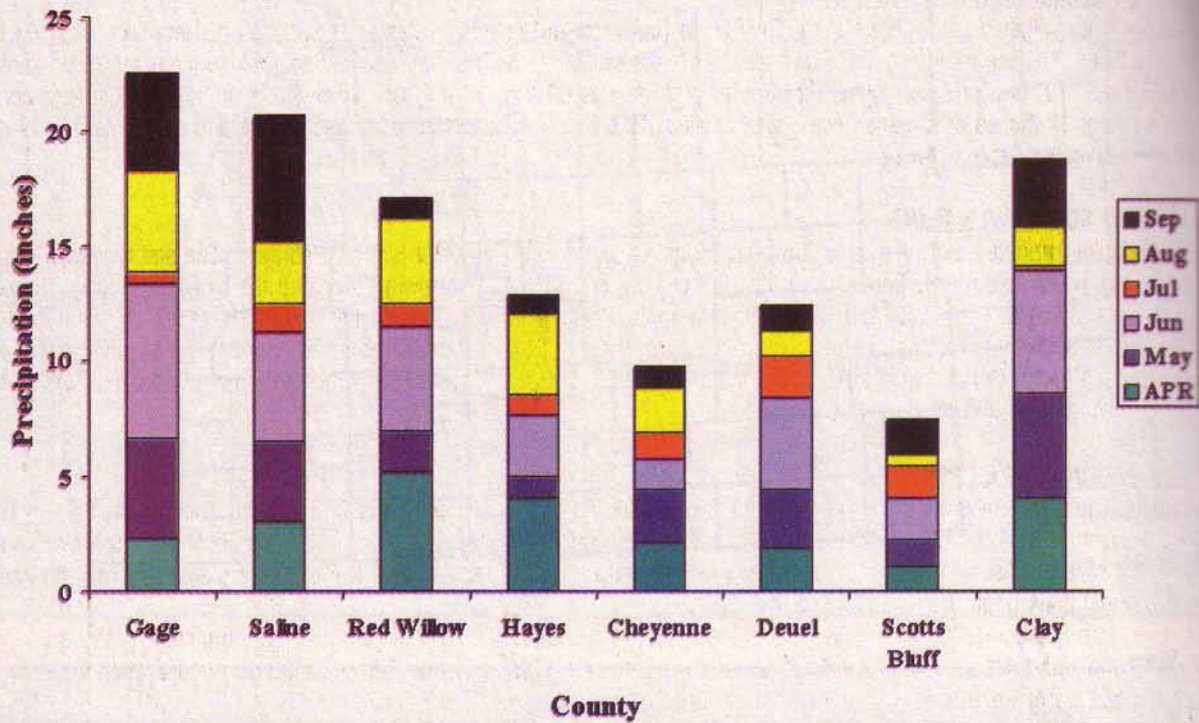


- 1 Southeast
- 2 South Central
- 3 West Central
- 4 West
- 5. West Irrigated

April - September Heat Units (base 50) for 2003 Grain Sorghum Plots



April - September Precipitation for 2003 Grain Sorghum Plots



Nebraska's National Rankings

7th

All hogs and pigs on farms, Dec. 1, 2002 — 2,900,000 head
Winter wheat production, 2002 — 48,640,000 bushels
Harvested Acres of principle Crops, 2002 — 17,899,000 acres
Table egg layers (flocks of 30,000+), December 1, 2002 — 11,525,000 layers

8th

Cash receipts from all crop marketings, 2001 — \$3,402,349,000

SUNFLOWER TRIALS

2003 Crop Production Summary

SCOTTSBLUFF NE Irrigated SUNFLOWER PLOTS

This was a sprinkler irrigated plot planted at the Panhandle Research and Extension Center at Scottsbluff, Nebraska. The soil type is a fine sandy loam. The previous crop was warm season grass seed and the plot had conventional tillage including plowing and harrowing. It had 3 pints of Prowl for a herbicide. The fertilizer applied was 60 # N, 30 # P205, 4# S with a spring residual N of about 100 #. During the season, 12 inches of irrigation water was applied. This plot was harvested early because of bird problems. It was planted June 5, 2003 and harvested September 20.

SIDNEY NE Irrigated SUNFLOWER PLOTS

This was a sprinkler irrigated plot planted at the High Plains Ag Lab 5 miles north of Sidney, Nebraska. The soil type is a Keith loam. The previous crop was proso millet. Conventional tillage including chiseling and harrowing prepared the plot for planting. Herbicide treatment was 3 pints of Prowl. Forty pounds of nitrogen were applied before planting. Residual N and P205 were high. Nine oz. Asana XL was applied August 9 for head moth and seed weevil. Irrigation water of 11 inches was applied throughout the season. Warm weather killed the crop rapidly after an Oct. 1 killing frost. It was planted June 5, 2003 and harvested October 6. Final plant population was approx. 23,300 for oils, and 19,900 for confections.

SIDNEY NE Dryland SUNFLOWER PLOT

This plot was planted five miles north of Sidney at the High Plains Ag Lab. The soil type is Duroc loam. The plot was direct seeded into wheat stubble using 3.3 pints of Prowl and 2.5 oz. Spartan herbicide. Fertilizer was applied as 40 pounds N and 15 pounds P205 applied with planter. Nine oz. Asana XL was applied August 9 for head moth and seed weevil. The plot was planted on May 30 and harvested October 3. Final plant population was approx. 16,250.

Severe drought conditions in 2002 and 2003 resulted in very little subsoil moisture. Started with some moisture in the upper profile, but extreme heat in July and August reduced yields considerably. Late August rains helped some. Crop was mature when killed by frost on September 20, and warm weather caused the plants to dry rapidly.

MERKINS CO NE DRYLAND SUNFLOWER PLOT

The plot was planted on the Earl Dahlkoetter farm near Grant, Nebraska. The soil type is Mace silt loam. The plot was direct seeded into wheat stubble using Glyphosate and 3 oz. Spartan herbicide preplant. Six oz. Select was used postemergence and Lorsban was applied at planting time. Asana and parathion were used as postemergence treatments. Fertilizer applied was 31 pounds N, 4 pounds P205, and micronutrients applied with planter. The plot was planted June 11 and harvested October 28. Final plant population was approx. 15,000. This area was very dry from late June on through the season. Due to variations in the plot due to drought, confection plot here was abandoned.

WILLOW CO NE DRYLAND SUNFLOWER PLOT

This plot was planted on the Scott Hanchera farm near Danbury, Nebraska. The soil type is Holdrege silt loam. The plot was direct seeded into sorghum stubble using Lorsban at planting time. The plot was planted June 9 and harvested October 21. Final plant population was approx. 15,000. This area was also very dry this summer.

Did you know



Nebraska is a water-rich state. Underneath over half of its 49-million-acre land surface is stored about 2 billion acre-feet of good quality groundwater. Currently 84,061 registered wells and some 8,000 surface water rights supply to about 8,175,000 acres of crop and pastureland.

Did you know



Nebraska's farms and ranches utilize 46.4 million acres...96% of the state's total land area.

Cheyenne Co NE Dryland Sunflower Variety 2003 Oil Types (one confection)

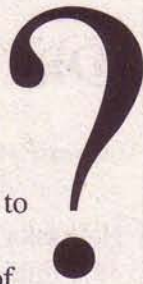
Brand	Hybrid	Yield Lbs/Acre	Oil %	Test Weight Lbs/Bushel	Height inch
Mycogen Seed	SF187 (T)	760	36.3	27.9	34
Kaystar	9501 (T)	760	36.9	30.5	38
Seeds 2000	Blazer (N)	690	36.3	28.5	32
Garst/Interstate	HYSUN 454(N)	690	40.6	31.4	39
Mycogen Seed	8377NS (N)	670	36.5	26.6	39
Croplan Genetics	CL380 (N)	650	38.0	30.7	38
Garst/Interstate	HYSUN 521(N)	640	35.6	26.9	36
Mycogen Seed	SF260 (T)	640	35.7	25.5	32
Garst/Interstate	IS6767 (T)	630	38.0	29.0	36
Garst/Interstate	IS4049 (T)	630	41.7	32.0	39
Triumph	665 (N)	620	40.3	30.7	36
Seeds 2000	Charger (N)	600	37.0	28.7	38
Garst/Interstate	HYSUN 450(N)	590	37.3	29.6	34
Mycogen Seed	8488NS (N)	590	38.9	32.0	38
Croplan Genetics	CL385 (N)	590	36.7	28.9	33
Triumph	667 (N)	520	44.5	35.1	27
Mycogen Seed	8N421 (N)	520	42.5	32.8	37
Triumph	757C (Conf)	460		16.5	38
Average		625	38.2	28.8	36
LSD (.05)		133	1.1	0.6	3

2003 Perkins Co. NE Oil Type Sunflowers

Brand	Hybrid	Yield Lbs/Acre	OIL %	Test Weight Lbs/Bushel	Height inch
Garst/Interstate	IS4049 (T)	830	41.7	27.5	49
Pioneer	63M91 (N)	820	41.9	25.8	49
Pioneer	64M60 (N)	730	42.8	26.0	46
Mycogen Seed	SF187 (T)	690	38.1	24.6	40
Mycogen Seed	8N421 (N)	680	42.5	26.8	46
Kaystar	9501 (T)	670	39.0	25.4	46
Mycogen Seed	8488NS (N)	650	41.3	28.9	41
Pioneer	63M80 (N)	580	40.1	24.9	42
Mycogen Seed	8377NS (N)	580	37.5	23.4	44
Mycogen Seed	8N327 (N)	410	38.7	--	39
Average		615	40.2	25.5	45
LSD (.05)		207	2.2	1.3	4

Did you know

Nebraska is fortunate to have aquifers below it, making it possible to irrigate 8.1 million acres of cropland. If poured over the surface of the state, the water in those aquifers would have a depth of 37.9 feet.



Did you know

Nearly 24,000 miles of rivers and streams add to Nebraska's bountiful natural resources.



2003 Red Willow Co. NE Oil Type Sunflowers

Brand	Hybrid	Yield Lbs/Acre	Oil %	Test Weight Lbs/Bushel	Height inch
Pioneer	64M60 (N)	1020	42.8	25.0	53
Wycogen Seed	8488NS (N)	1000	42.3	25.7	52
Wycogen Seed	8N421 (N)	950	43.4	25.0	49
Pioneer	63M80 (N)	940	42.4	24.0	51
	FE #1	900	41.3	24.9	53
Garst/Interstate	Hysun 454 (N)	890	43.6	26.1	55
Garst/Interstate	IS4049 (T)	850	43.2	27.7	53
Pioneer	63M91 (N)	820	42.1	22.3	53
Garst/Interstate	Hysun 521 (N)	790	39.5	25.4	45
Garst/Interstate	IS6767 (T)	710	43.2	24.9	50
Wycogen Seed	8377NS (N)	700	41.2	23.2	52
Wycogen Seed	8N327 (N)	660	40.6	21.2	49
	FE #2	660	41.3	27.0	56
Garst/Interstate	Hysun 450 (N)	550	40.4	24.4	44
Average		782	41.8	24.4	52
SD (.05)		290	2.0	N.S.	5

2003 SIDNEY NEBRASKA IRRIGATED NSA CONFECTION TYPE SUNFLOWERS

BRAND	HYBRID	YIELD LBS/ACRE	TEST WT	HT INCH	SEED % > 22/64	SIZE % > 20/64
Red River Commodities	2215	3010	20.6	59	43	82
Red River Commodities	7015	2970	19.2	60	27	77
Seeds 2000	X3987	2800	22.0	62	20	68
Red River Commodities	2213	2690	21.5	61	7	59
Red River Commodities	2582	2450	22.6	59	13	57
Seeds 2000	Grizzly	2400	21.3	61	18	73
Seeds 2000	Goliath RT	2350	22.2	59	14	65
	AVERAGE	2670	21.3	60	20	69
	L.S.D. (05)	480	1.0	NS	13	10
	C.V.	13.0	3.0	5.0	49	11

Did you know

There are nearly 23 million acres of rangeland and pastureland in Nebraska...half of which are in the Sandhills.

Did you know

Over 40% of the feed grains grown in Nebraska are fed to livestock in this state.

2003 SIDNEY NEBRASKA NSA IRRIGATED OIL TYPE SUNFLOWERS

Brand	Hybrid	Yield Lbs/Acre	Oil %	Test Weight Lbs/Bushel	Height In
Croplan	308	2990	43.9	26.4	60
Interstate	Hysun 521	2920	35.2	25.3	60
Pioneer	63M91	2710	39.3	26.8	60
Mycogen	SF260	2610	38.2	24.1	60
Mycogen	SF187	2500	35.7	25.3	60
Interstate	Hysun 454	2490	39.1	26.3	60
Pioneer	63M80	2450	37.5	24.6	60
Red River Commodities	2010	2420	36.6	23.8	60
Seeds 2000	Blazer	2420	37.1	24.6	60
Interstate	Hysun 424	2420	39.5	26.4	60
Monsanto	EXP38-30NS	2400	38.3	28.6	60
Monsanto	DKF30-33NS	2390	35.8	26.5	60
Croplan	345	2360	38.6	25.6	57
Mycogen	8N327	2360	40.0	24.8	61
Mycogen	8488NS	2350	37.7	26.6	62
Triumph	636	2340	41.9	25.2	59
Croplan	380	2290	38.9	27.9	55
Croplan	385	2250	38.5	25.3	58
Monsanto	DKF33-33NS	2210	35.1	25.9	63
Pioneer	64M60	2210	37.5	25.2	57
Interstate	Hysun 450	2170	38.3	25.3	66
Triumph	665	2170	39.5	27.1	61
Mycogen	8N421	2140	40.4	26.4	61
Interstate	Hysun 525	2140	34.4	26.2	60
Red River Commodities	2011	2010	38.1	23.3	50
Triumph	667	1900	42.2	26.6	60
	AVERAGE	2370	38.3	25.7	60
	L.S.D. (05)	340	1.6	1.2	3.0
	C.V.	15.3	3.2	3.6	4.7

2003 Scottsbluff NEBRASKA IRRIGATED NSA CONFECTION TYPE SUNFLOWERS

	YIELD LBS/ACRE	TEST WT	SEED % > 22/64	SIZE % > 20/64
Red River Commodities 2213	4000	26.5	12	61
Red River Commodities 2582	3910	27.2	31	76
Red River Commodities 2215	3680	23.3	58	89
Red River Commodities 7015	3220	22.3	36	87
AVERAGE	3700	24.8	34	78
L.S.D. (05)	295	0.8	18	13
C.V.	5	2	32	10

PROSO MILLET TRIALS

2003 Crop Production Summary

This is the second 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, and we hope that one or two of these lines will be released in the near future.

Why '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 as 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.

Planting Techniques

Four proso trials were planted in 2003. Irrigated trials were grown at the Panhandle Research and Extension Center in Scottsbluff, NE and at the University of Wyoming Research and Extension Center in Torrington, WY. Dryland trials were grown at the High Plains Agricultural Lab near Sidney, NE and at the USDA Central Great Plains Research Center near Akron, CO.

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, and irrigated plots were seeded at the rate of 20 lbs/acre. Four replications were planted at each location.

Location	Planting Date	Harvest Date	Row spacing	Harvested Plot Area
Akron, CO	6-9-2003	9-22-2003	12 inches	84.0 sqft
Scottsbluff, NE	5-27-2003	8-20-2003	11 inches	55.0 sqft
Sidney, NE	5-30-2003	8-29-2003	11 inches	49.5 sqft
Torrington, WY	6-4-2003	9-11-2003	10 inches	70.0 sqft

NEBRASKA • AG • FACTS

- ✓ Every dollar in ag exports generates \$1.48 in economic activities such as transportation, financing, warehousing, and production. Nebraska's \$2.9 billion in ag exports translate into nearly \$4.3 billion in additional economic activity each year.
- ✓ Nebraska has 53,000 farms and ranches; the average operation consists of 875 acres; average net income per farm ranged from \$25,000 - \$37,000 during the last five years.

NEBRASKA • AG • FACTS

- ✓ Nebraska's livestock industry accounts for approximately 64% of the state's total agricultural receipts each year. Two out of three Nebraska farms have livestock or poultry operations.

**2003 Yields for four locations of proso yield trials
and mean testweight across locations.**

Variety	Starch type	Overall Mean	Location				Mean Testweight
			Torrington, WY	Akron, CO	Scottsbluff, NE	Sidney, NE	
-----CWT/ACRE-----							
Huntsman	non-waxy	25.4	33.3	27.4	27.1	13.9	56.1
Earlybird	non-waxy	23.5	28.9	34.0	17.3	13.9	54.6
182-7-20	waxy	23.1	30.3	30.8	21.1	10.2	51.0
9213	non-waxy	22.5	33.4	28.3	21.3	7.2	53.5
177-9-13	waxy	22.4	38.5	24.3	17.2	9.5	51.7
Sunrise	non-waxy	22.3	24.8	29.4	22.3	12.7	55.3
Horizon	non-waxy	22.2	28.8	27.8	17.4	14.9	55.9
172-2-B	waxy	21.8	32.2	21.4	20.4	13.3	53.1
182-5-18	waxy	21.7	29.7	20.7	21.8	14.8	55.4
9308	non-waxy	21.6	33.8	23.2	15.1	14.3	55.3
172-2-9	waxy	21.5	33.9	24.6	15.4	12.1	51.3
177-9-2	waxy	21.3	29.4	27.5	17.0	11.4	51.7
174-7-13	waxy	21.3	32.2	24.4	19.1	9.6	54.0
182-4-24	waxy	20.7	26.3	29.3	19.9	7.4	51.9
177-3-13	waxy	20.6	32.4	25.7	14.5	9.8	53.4
9668-17	non-waxy	20.4	30.2	24.2	13.6	13.6	55.4
177-9-12	waxy	20.1	28.8	25.4	15.5	10.6	51.9
9217-L	non-waxy	20.0	24.4	28.6	14.0	13.2	54.5
Sunup	non-waxy	19.4	27.0	26.3	7.0	17.2	53.2
177-8	waxy	19.4	27.6	23.5	12.7	13.7	52.1
177-7-5	waxy	19.3	28.1	25.8	14.8	8.5	51.9
10097	waxy	18.6	32.7	20.6	11.2	9.8	53.8
10110	waxy	18.3	30.2	17.5	12.0	13.4	53.0
175-5	waxy	17.9	32.9	13.8	14.6	10.4	53.4
10127	waxy	17.8	33.5	15.5	12.4	9.8	52.3
Dawn	non-waxy	17.2	28.6	20.5	5.3	14.7	53.1
10107	waxy	16.8	30.4	13.1	13.8	10.0	53.8
10135	waxy	16.7	26.8	18.2	12.2	9.6	53.1
PI436625	waxy	12.5	17.2	23.2	4.9	4.7	48.9
PI436626	waxy	10.3	13.8	21.3	2.3	3.8	46.7
Mean		20	29.3	23.9	15.1	11.3	53.0
LSD($\alpha=0.05$)		3.0	8.4	6.5	5.6	5.3	2.3

Five year yield summary of proso varieties.

Variety	6 yr mean	2003	2002	2001	2000	1999	1998
----- (CWT/ACRE) -----							
Huntsman	21.7	25.4	25.7	20.3	11.1	31.4	16.5
Horizon	21.1	22.2	23.2	19.7	12.6	31.7	17.2
182-17	20.7	20.4	22.6	18.4	11.8	30.5	
Earlybird	20.5	23.5	22.3	19.2	10.5	30.5	16.7
Sunrise	20.3	22.3	20.1	19.9	11.5	30.1	17.8
9668	19.8	21.6	21.3	18.7	11.7	29.7	15.8
9213	19.8	22.5	19.2	19.5	10.5	31.5	15.4
Sunup	19.7	19.4	19.5	20.6	11.5	30.3	17
Dawn	15.0	17.2	17.0	15.4	9.1	20.8	10.7
PI 436623	12.6		14.5	11.4	6.5	18.1	
PI 436625	11.9	12.5	10.8	12.5	6.1	17.5	
PI 436626	10.2	10.3	8.1	12.2	5.5	15.1	
Average	18.0	19.8	18.7	17.3	9.9	26.4	15.9

Two year summary for waxy and non-waxy Proso yield trial with respective ranks.

Variety	Starch type	2-Yr Mean	Rank	2003	Rank	2002	Rank
		CWT/ACRE		CWT/ACRE		CWT/ACRE	
Huntsman	non-waxy	25.5	1	25.4	1	25.5	1
Horizon	non-waxy	22.7	2	22.2	7	23.0	2
Earlybird	non-waxy	22.6	3	23.5	2	21.8	5
172-2-9	waxy	22.1	4	21.5	11	22.5	3
182-7-20	waxy	21.7	5	23.1	3	20.6	8
9668-17	non-waxy	21.5	6	20.4	16	22.5	4
9308	non-waxy	21.3	7	21.6	10	21.0	7
182-4-24	waxy	21.0	8	20.7	14	21.3	6
Sunrise	non-waxy	20.9	9	22.3	6	19.7	11
172-2-B	waxy	20.8	10	21.8	8	19.9	9
182-5-18	waxy	20.7	11	21.7	9	19.8	10
9213	non-waxy	20.5	12	22.5	4	18.8	19
174-7-13	waxy	20.4	13	21.3	13	19.7	12
177-9-13	waxy	20.4	14	22.4	5	18.8	19
177-9-12	waxy	19.8	15	20.1	17	19.6	13
177-3-13	waxy	19.8	16	20.6	15	19.1	17
9217-L	non-waxy	19.7	17	20.0	18	19.3	15
177-9-2	waxy	19.4	18	21.3	12	17.9	21
177-7-5	waxy	19.4	19	19.3	21	19.4	14
177-8	waxy	19.2	20	19.4	20	19.2	16
Sunup	non-waxy	19.1	21	19.4	19	18.8	18
10097	waxy	18.1	22	18.6	22	17.8	23
10110	waxy	17.7	23	18.3	23	17.3	25
10135	waxy	17.4	24	16.7	28	17.9	21
Dawn	non-waxy	17.4	25	17.2	26	17.5	24
175-5	waxy	16.5	26	17.9	24	15.4	26
10107	waxy	14.5	27	16.8	27	11.5	27
10127	waxy	14.3	28	17.8	25	9.6	29
PI436625	waxy	11.3	29	12.5	29	10.3	28
PI436626	waxy	9.1	30	10.3	30	8.2	30
Mean		19.2		19.9		18.5	
LSD($\alpha=0.05$)		5.5		3.0		8.7	

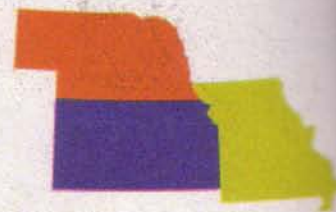
FOXTAIL MILLET VARIETY TRIALS

2003 Crop Production Summary

Foxtail millet is grown for both grain and forage. The varieties tested this year represent some standard varieties such as German, Red Siberian, Manta, Bignaux, and White Wonder, as well as some Nebraska released germplasm (identified as N-Si-1) and a large number of new crosses.

Trials were planted at four locations in Nebraska, Colorado, and Wyoming. Details of the trials are listed below in a table. Forage yield was measured on sub samples taken from plots at Torrington, WY and Scottsbluff, NE, while grain yield was measured at all locations.

Location	Planting Date	Harvest Date
Cheyenne Co. NE	6-16-2003	9-29-2003
Scottsbluff, NE	5-28-2003	9-28-2003
Akron, CO	6-9-2003	9-22-2003
Torrington, WY	5-30-2003	10-2-2003



HIT YOUR TARGET MARKET WITH BULLSEYE MARKETING

*A monthly publication brought to you by the publishers of Midwest Messenger,
a name farmers and ranchers trust and rely on.*

TARGETING NEBRASKA, KANSAS & MISSOURI'S

TOP 30,000 FARMERS

MAKE YOUR MARK TODAY!

1-800-888-1380

Western Nebraska, Colorado, and Wyoming Foxtail millet tests - 2003

Variety	Overall Means				Scottsbluff, NE					Akron, CO			Sidney, NE		Torrington, WY	
	Yield	Testweight	Forage Yield	Plant height	Yield	Testweight	Forage Yield	Plant height	Yield	Testweight	Akron, CO	Yield	Yield	Forage Yield		
	CWT/A	LBS/BU	LBS/A	INCHES	CWT/A	LBS/BU	LBS/A	INCHES	CWT/A	LBS/BU	INCHES	CWT/A	CWT/A	LBS/A		
AK-15	24.4	53.0	5150	35.1	39.2	49.5	5540	40.5	16.4	56.5	29.8	6.7	35.2	4770		
AK-05	23.4	50.9	5580	35.0	34.5	46.5	5430	41.5	19.7	55.3	28.5	0.9	38.7	5740		
AK-14	22.9	54.5	3990	36.9	34.0	52.3	4050	44.0	18.8	56.1	31.5	2.8	35.9	3940		
AK-08	21.2	51.0	5900	38.0	34.1	46.9	7660	42.8	15.5	55.0	33.3	1.8	33.4	4140		
AK-04	20.3	54.2	4860	35.4	31.1	53.4	4790	42.3	17.9	55.0	28.5	0.8	31.4	4950		
AK-11	20.1	51.3	4880	32.9	29.0	48.6	5120	36.8	17.0	53.3	29.0	2.0	32.3	4640		
AK-21	20.0	54.2	4630	35.1	25.6	50.6	3910	40.3	18.5	57.8	30.0	2.0	34.0	5360		
AK-02	20.0	53.2	5710	39.4	27.4	51.5	6290	46.0	14.5	54.9	32.8	5.6	32.7	5140		
AK-11	19.7	52.1	4980	35.1	23.4	48.1	4840	41.7	18.5	55.2	30.3	1.5	35.6	5130		
AK-06	19.7	49.3	6720	45.0	29.1	49.0	6220	56.0	12.4	49.6	34.0	0.9	36.4	7220		
AK-29	19.7	52.7	3590	37.6	29.3	48.4	4020	44.8	14.1	56.9	30.5	1.3	34.0	3150		
AK-09	19.5	51.2	5640	39.3	25.7	44.8	5250	47.3	15.2	56.0	31.3	4.2	33.0	6150		
AK-06	19.5	50.3	5120	33.8	25.3	45.7	5700	40.0	16.0	53.8	27.5	1.0	35.8	4540		
Golden German	19.5	51.9	4350	37.3	28.1	51.0	3660	44.1	16.6	52.6	31.4	1.4	31.9	4930		
AK-15	19.5	51.1	4820	34.5	29.7	46.6	5300	38.8	12.9	55.6	30.3	2.0	33.3	4340		
Red Siberian	19.4	53.6	5190	36.0	26.1	51.4	5030	42.8	13.9	55.9	29.3	3.6	33.9	5340		
White Wonder	19.2	48.2	5780	43.9	26.2	47.4	6030	52.0	13.6	49.1	35.8	1.0	36.2	5540		
AK-02	19.2	52.2	4200	35.4	30.7	49.1	4120	41.5	14.6	55.3	29.3	1.8	29.5	4270		
AK-05	19.1	48.1	5930	39.9	22.2	41.1	7610	47.5	17.9	55.1	32.3	1.5	34.7	4250		
AK-04	19.0	52.3	5650	39.0	29.7	48.4	5750	44.0	16.5	56.2	34.0	1.8	28.0	5550		
AK-13	19.0	53.1	6130	38.1	24.2	51.1	6720	45.5	19.0	54.6	30.8	1.2	31.6	5530		
Snow Fox	18.8	55.1	4760	31.6	29.1	52.4	4330	35.8	15.0	57.9	27.5	4.1	27.0	5190		
AK-07	18.8	51.7	6590	40.6	27.3	49.7	7150	48.3	15.5	53.8	33.0	2.5	30.1	6030		
AK-10	18.7	53.2	6740	43.3	22.6	50.2	7890	53.3	16.4	55.4	33.3	1.4	34.4	5580		
AK-19	18.6	52.6	5580	39.0	27.9	51.2	6200	43.5	16.8	53.9	34.5	1.5	28.4	4950		
Signaux	18.6	54.5	5810	37.4	28.7	51.5	6240	42.7	16.3	57.5	33.5	1.8	27.7	5250		
AK-24	18.3	49.5	4240	39.6	22.2	43.7	4120	47.3	14.1	53.9	32.0	1.5	35.4	4350		
Birdcage	18.2	46.1	6080	40.5	30.5	43.2	6250	46.5	11.7	49.0	34.5	1.8	29.0	5910		
EXG-04	18.2	52.4	4800	41.4	27.2	50.3	6210	50.7	14.2	53.9	34.5	2.0	29.3	3390		
EXG-05	18.1	53.5	7720	38.9	26.1	52.1	8760	45.3	17.2	54.9	32.5	2.2	27.0	6680		
AK-08	18.1	52.9	5830	41.4	25.9	49.2	6730	49.0	17.1	55.6	33.8	1.3	28.0	4930		
EXD-04	18.0	50.9	4520	36.6	24.2	45.7	4710	43.3	14.7	56.1	30.0	2.8	30.4	4330		
EXD-24	18.0	54.0	4590	30.5	23.8	49.8	4140	34.3	15.8	57.1	26.8	2.0	30.3	5050		
AK-12A	17.7	47.8	5210	43.6	25.0	44.5	6120	53.8	13.1	51.1	33.5	1.1	31.7	4310		
N-SI-3	17.6	52.5	5160	29.9	26.9	49.4	5070	34.3	15.2	54.8	26.5	2.2	26.3	5220		
EXB-30	17.6	53.0	6140	38.8	22.4	48.7	6550	46.5	16.4	56.2	31.0	1.8	30.0	5730		
AK-09	17.4	52.2	5360	41.1	30.3	50.9	6100	47.3	15.5	53.5	35.0	0.7	23.0	4620		
EXF-34	17.3	51.9	3870	34.7	24.3	47.6	3680	42.3	18.1	55.2	29.0	1.3	25.5	4060		
EXF-05	17.0	53.1	4310	39.9	23.2	49.7	4580	47.0	13.4	55.6	32.8	1.5	30.1	4040		
EXF-09	16.4	51.2	6940	42.3	17.8	46.9	7470	51.5	16.2	53.3	33.0	0.7	30.7	6420		
AK-47	16.2	48.6	5290	39.7	21.1	42.5	5120	45.7	13.7	53.1	35.3	0.9	29.2	5420		
Dione	16.2	50.8	5610	36.6	19.5	38.5	5980	44.0	16.4	53.9	29.3	3.1	25.7	5250		
EXF-31	15.4	50.7	4100	36.6	16.6	44.0	3560	43.5	15.6	55.8	29.8	3.1	26.2	4630		
N-SI-5	15.3	50.8	5040	33.9	22.6	46.5	6090	37.8	13.6	55.0	30.0	2.0	23.1	4000		
AXB-23	14.5	48.9	5860	42.0	13.1	39.4	6600	52.5	13.9	53.6	31.5	2.3	28.8	5120		
AXE-19	14.2	43.0	4740	43.6	10.9	36.4	5500	51.8	12.3	45.2	35.5	1.8	32.0	3970		
Bighd31	14.1	49.5	5070	43.9	17.0	46.1	5700	54.3	11.3	51.2	33.5	1.7	26.3	4440		
Bighd125	13.8	48.7	4310	43.0	16.1	41.4	5200	55.0	14.2	52.4	34.0	2.2	22.6	3640		
Bighd137	13.3	54.3	4560	40.9	17.9	50.0	5260	51.3	15.0	55.4	33.0	2.3	17.9	3850		
N-SI-1	12.9	50.6	5660	40.7	20.2	46.3	6180	54.7	9.3	53.9	30.3	3.9	18.4	5140		
EXF-26	12.6	50.4	4720	40.9	14.3	40.5	4170	50.8	12.5	52.8	31.0	1.1	22.5	5270		
N-SI-4	11.9	50.6	4960	44.8	19.8	47.5	5630	53.3	7.7	52.9	36.3	2.5	17.5	4280		
Mean	18.2	51.5	5240	38.5	25.2	48.1	5560	45.7	15.7	54.3	31.6	2.1	29.9	4920		
LSD(a=0.05)	4.8	3.2	1320	2.3	7.9	5.9	1860	2.4	3.8	3.1	3.1	1.9	7.1	1880		

GRAIN PEA VARIETY TRIALS

2003 Crop Production Summary

Despite the title 'Grain Pea' these peas are grown for both grain and forage, and have experienced growth in acreage over the last few years in Western Nebraska and surrounding areas. They represent one of many alternative leguminous crops, along with lentil and chickpea, which is being used in the region.

Pea trials were planted at four locations in Nebraska. One irrigated and one dryland trial was planted in both Cheyenne and Box Butte Counties.

Location	Treatment	Planting Date	Harvest Date
Cheyenne Co. NE	Irrigated	4-11-2003	8-25-2003
	Dryland	4-11-2003	8-21-2003
Box Butte Co. NE	Irrigated	4-14-2003	8-31-2003
	Dryland	4-14-2003	8-31-2003

2003 SIDNEY NE Irrigated Chickpea		
Entry	Yield Lbs/Acre	Seed Weight (grams)
Wyo 202	2960	0.22
Wyo 201	2950	0.21
PI 17256	2710	0.30
PI Bulk	2670	0.25
CA9990I861W	2560	0.39
CA9990I604C	2440	0.48
B90	2420	0.25
CA9783163C	2380	0.50
Dwellely	2310	0.44
CA9890233W	2260	0.44
CA9990B1514C	2160	0.44
Sierra	2080	0.47
CA9890169W	2020	0.38
CA9990B1579C	2000	0.48
CA9990B1895C	1960	0.39
CA9990I875W	1470	0.44
CA9890239W	1430	0.47
Average	2280	0.39
LSD (.05)	607	0.04
HPAL Irri Chickpeas Cheyenne county Nebraska University of Nebraska High Plains Ag Lab Planted April 29 Harvested Sept 16		

2003 SIDNEY NE Dryland Chickpea		
Entry	Yield Lbs/Acre	Seed Weight (grams)
Sierra	390	0.31
CA9990B1514C	320	0.31
CA9990B1579C	320	0.30
CA9990B1895C	290	0.28
CA9890169W	270	0.28
B90	240	0.21
CA9990I604C	240	0.32
CA9990I861W	230	0.30
CA9783163C	200	0.30
PI Bulk	200	0.20
Dwellely	200	0.30
Wyo 201	180	0.18
CA9890233W	170	0.31
CA9890239W	160	0.26
Wyo 202	160	0.17
CA9990I875W	150	0.27
Average	230	0.27
LSD (.05)	67	0.03
HPAL dryland chickpeas Cheyenne county Nebraska University of Nebraska High Plains Ag Lab Planted April 22 Harvested Sept 15		

2003 Box Butte Co NE Irrigated Chickpea

Entry	Yield Lbs/Acre	Seed Weight (grams)
PI Bulk	2320	0.26
CA9990B1895C	2100	0.43
PI 17256	2040	0.32
PI Bulk	2020	0.25
Wyo 202	1540	0.19
CA9990B1514C	1500	0.46
Sierra	1330	0.46
CA9990B1579C	1230	0.48
CA9990I861W	1220	0.44
CA9990233W	1160	0.43
CA9990I875W	940	0.41
CA9990I604C	880	0.40
CA9990239W	840	0.40
Dwellely	790	0.39
CA9990I69W	750	0.37
Wyo 201	680	0.19
CA9783163C	680	0.38
Average	1300	0.37
LSD (.05)	335	0.04

Box Butte Irri Chickpeas
Watson Brothers farm
near Berea, Nebraska
Planted April 22
Harvested Sept 16

2003 Box Butte Co NE Dryland Chickpea

Entry	Yield Lbs/Acre	Seed Weight (grams)
CA9990B1895C	1140	0.38
CA9990I861W	980	0.44
CA9990B1514C	890	0.47
Dwellely	870	0.45
CA9890I69W	850	0.46
CA9990I875W	850	0.52
Sierra	850	0.46
CA9783163C	840	0.43
CA9990I604C	810	0.52
CA9990B1579C	800	0.46
CA9890233W	770	0.46
CA9890239W	740	0.46
Wyo 202	740	0.19
Wyo 201	560	0.19
B90	460	0.25
PI Bulk	430	0.23
Average	790	0.40
LSD (.05)	303	0.03

Box Butte Dryland Chickpeas
Watson Brothers farm
near Berea, Nebraska
Planted April 22
Harvested Sept 16

2003 Scottsbluff Co NE Irrigated Chickpea

Entry	Yield Lbs/Acre	Seed Weight (grams)
PI Bulk	1980	0.26
Sierra	1610	0.41
PI 17256	1350	0.33
Wyo 202	1210	0.22
CA9990I604C	1100	0.43
CA9990B1895C	1030	0.30
B90	1020	0.23
CA9990B1579C	990	0.38
CA9990B1514C	950	0.37
CA9990I861W	700	0.32
Dwellely	660	0.32
CA9783163C	650	0.29
Wyo 201	420	0.21
CA9890233W	390	0.37
CA9990I875W	360	0.40
CA9890I69W	340	0.30
CA9890239W	260	0.31
Average	880	0.32
LSD (.05)	570	0.06

Scottsbluff Irri Chickpeas
Scottsbluff, Nebraska
University of Nebraska
Panhandle Research and Extension Center
Planted April 29
Harvested September 25

NEBRASKA • AG • FACTS

✓ Of every dollar spent on food in 1999, the farm value is 20 cents; 39 cents goes to labor used by manufacturers, wholesalers, and retailers. The remaining 41 cents pays for marketing costs such as packaging, transportation, and advertising.

Table 1. 2003 Grain Pea Yields

	Overall mean	Irrigated Mean	Dryland Mean	Cheyenne Irrigated	Box Butte Irrigated	Box Butte Dryland	Cheyenne Dryland
Carneval	1883	2516	1249	2691	2342	1364	1134
Cruiser	1864	2415	1312	2597	2234	1412	1211
Journey	1495	1898	1092	2347	1450	1126	1038
Majoret	2006	2747	1265	3177	2316	1352	1111
PS610152	1981	2723	1331	2932	2567	1476	1167
PS710048	1722	2312	1131	2462	2163	1131	1131
PS710909	1238	1836	716	2211	1336	671	780
PS810162	1910	2519	1377	2967	1921	1576	1179
PS810191	1908	2621	1283	2752	2446	1385	1182
PS810240	2008	2617	1311	3003	2232	1326	1300
PS99101364	1250	1859	716	2399	1455	749	684
PS99101381	1310	1914	705	2757	1070	753	658
PS9910140	1756	2395	1198	3349	1679	1286	1110
PS9910188	2089	2834	1344	3317	2351	1469	1219
PS9910346	1772	2251	1293	2753	1749	1485	1101
PS9910592	1802	2363	1241	2673	2054	1417	1066
Salute	2170	3141	1320	3538	2611	1244	1397
mean	1774	2410	1170	2819	1999	1248	1091
LSD	189	581	191	594	371	273	193

Did you know



Farm and ranch machinery and motor vehicles were valued at \$3.3 billion as of December 31, 2001.

Did you know



Ranking fourth in the United States, Nebraska's total cash receipts from farm and ranch marketings amounted to nearly \$9.5 billion in 2001, a 6 percent increase from the \$9.0 billion reported in 2000. Receipts for livestock and livestock products totaled \$6.1 billion, and crops receipts totaled \$3.4 billion. Direct government payments were \$1.3 billion.

OAT TESTS

2003 Crop Production Summary

Two oat tests were harvested in 2003. One was a dryland site in Saunders County and the other an irrigated site in Cheyenne County. A third test was planted on dryland in Cheyenne County, but was not harvested due to the drought.

Cheyenne Co. Irrigated Oat Variety Test - 2003

VARIETY	Yield (bu/acre)	Test weight (lb/bu)	Plant lodging pct	Plant height (inches)	Flower Date June
IL95-1241	137	32.2	3	41	21
MN98236	125	32.3	10	44	21
Don	114	32.3	18	43	19
Wabasha	113	30.0	23	45	24
Reeves	99	31.2	35	47	22
Richard	94	27.1	35	47	25
Jerry	89	28.8	53	47	23
NUPRIDE Oak Creek	88	28.0	30	48	27
Mean	107	30.2	26	45	23
LSD (0.05)	24.2	2.0	NS	3.8	1.1

Saunders Co. Dryland Oat Variety Test 2003

VARIETY	Yield (bu/acre)	Test weight (lb/bu)
IL95-1241	83	27.2
NUPRIDE Oak Creek	80	28.1
Don	77	29.4
Wabasha	70	28.6
Jerry	58	27.5
MN98236	52	27.1
Reeves	49	30.5
Richard	40	26.1
Mean	64	28.1
LSD (0.05)	25	NS

Did you know



In 2001, Nebraska's commercial banks loaned \$5.3 billion to finance ag production and real estate.

Total farm debt (excluding operator households) increased to \$9.9 billion on December 31, 2001 from \$9.6 billion a year earlier.

Farm and ranch real estate was valued at \$32.8 billion as of December 31, 2001, up from \$31.7 billion in 2000. Farm holdings of crops, livestock, and poultry (excludes horses, mules and broilers) on December 31, 2001, were worth nearly \$6.6 billion.

PRESEASON SEED PROGRAM

Why pay more when you can buy current reliable genetics for up to 50% LESS?

Inquire about our Performance Payment Program using the ISU District 7 yield trials!

Poncho 250 treatment – \$12/bag

Conventional seed corn – \$47/bag

BT seed corn – \$65/bag

RR seed corn – \$71/bag

Stacked RR & BT Corn – \$87/bag

Prairie Brand RR Seed Beans – \$23.50/bag

Poncho 250 is a trademark of Gustafon LLC. YieldGard® Corn Borer and Roundup Ready® are registered trademarks of and used under license from Monsanto Company.

Call 800-456-4132 or 712-379-3107

AG COM I N P.O. Box 70
C. Essex, IA 51638



Stripey Sprayers

New & Used Hagie Sprayers

2001 - 2100 Hagie	\$79,000
2000 - 2100 Hagie	\$75,000
1996 - 6500 JD WF	\$32,000
New Hagie 284 XP, 60' boom, 800-gal.	Starting @ \$92,500

Your Outback Guidance Center!

Call: Jon Stripe • Office: 712-246-3522 • Cell: 402-669-3783
E-mail: JStripe@Hagie.com

Did you know

Ranking seventh in the United States, Nebraska's net income in 2001 totaled \$1.6 billion. Net farm income per operation was \$30,383 ranking fifteenth.



HOEGEMEYER

THE RIGHT SEED.

Ask your local Hoegemeyer dealer about Hoegemeyer's premium hybrids.

2661 110-113 day

- Very Good Yield Response To Dryland & Irrigated Environments
- Very Good Stress Tolerance
- Strong Cool Soil Emergence

2679 112-114 day

- Excellent Yield Potential, Even Under Stress
- Excellent Plant Health
- Girthy Ear Type

These genetic types are also available in trait hybrids.



HOEGEMEYER

THE RIGHT SEED.

1-800-AG-LINE1

www.therightseed.com



Triton Genetics brand hybrids are available through CHS marketing's independent seed dealers. These seed dealers are also independent seed dealers for Hoegemeyer.

Always follow IRM and grain marketing requirements

*Herculex and the Herculex Shield Logo are trademarks of Dow AgroSciences L.L.C. Herculex 1 Insect Protection technology by Dow AgroSciences and Pioneer Hi-Bred.



N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N

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

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

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

OFFICERS

President (State-at-Large) Tom Luhrs, Enders
Vice President (District 2) Joel Maschmann, Deshler
Treasurer (State-at-Large) Bruce Gerch, Waterloo

DIRECTORS

Wayne Brinkmeyer, DeWitt District 1
Rick Dunbar, Eustis District 3
Chris Cullan, Hemingford District 4
Max Richeson, Broken Bow State-at-Large
Randy Stofferahn, Gustafson Seed Trade Representative
Ken Cassman, Lincoln Agronomy Representative
DeLynn Hay, Lincoln IANR-UNL Representative

STAFF

Nadine Beethe Clerk/Receptionist
Diane Brestel Administrative Assistant
Steve Knox Secretary-Manager
Clint Koester Field Services Supervisor
Donna Maul Lab Services Supervisor
Larry Prentice Assistant Manager

2004 Spring Planted Crops
• Certified Seed
• Quality Assurance
• Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



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

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

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

1. Certified Quality Seeds

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

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

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

2. Quality Assured Seeds

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

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

3. Identity Preserved Grain Programs

NCIA provides customized identity-preserved services to meet specific needs. These services include field inspection to verify variety/hybrid identity, purity, and environmental conditions affecting quality of end-use traits; measurement of grain traits; and IP product labeling.

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

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

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

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

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

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

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



FOUNDATION SEED

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

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



PLANT VARIETY PROTECTION ACT

and

HOW IT BENEFITS YOU!

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

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved

NEBRASKA
CROP IMPROVEMENT
 ASSOCIATION



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



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	REG	CERT
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	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		22
Lancaster	Miller Seed Company	Lincoln	402-438-1232	6	

PAWNEE — Pawnee is a synthetic variety developed from accessions collected in Pawnee county by Nebraska in cooperation with the USDA-ARS. It is 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	REG	CERT
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	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		15
Lancaster	Miller Seed Company	Lincoln	402-438-1232		10

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

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Harvey R. Mills	Murdock	402-867-2956		5
	Stock Seed Farm	Murdock	402-867-3771	26	

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Harvey R. Mills	Murdock	402-867-2956		7
	Stock Seed Farm	Murdock	402-867-3771		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	REG	CERT
Cass	Harvey R. Mills	Murdock	402-867-2956		30
	Stock Seed Farm	Murdock	402-867-3771		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	REG	CERT
Custer	Arrow Seed Company	Broken Bow	308-872-6826		18
Morrill	Laux Seed Farm	Bridgeport	308-262-0512		9

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3711		5
Custer	Arrow Seed Company	Broken Bow	308-872-6826		67

Meadow Bromegrass 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. It 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.

REGAR – Regar meadow bromgrass was released by the USDA Soil Conservation Service, Plant Materials Center, Aberdeen, Idaho in 1966. It was derived from a introduction PI 172390 from Kars province, Turkey. Clones were selected and their seed was increased. Regar remains greener in the fall compared to smooth bromegrass. Regar is slower to establish and is less tolerant of spring flooding than smooth bromegrass.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Custer	Arrow Seed Company	Broken Bow	308-872-6826	50	

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

NEBRASKA
CROP IMPROVEMENT
 ASSOCIATION



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	REG	CERT
Knox	Condon Farms Inc.	Creighton	402-358-3506		131

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	REG	CERT
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	REG	CERT
Buffalo	Platte River Seed Co.	Kearney	308-237-5253	5	
Cass	Harvey R. Mills	Murdock	402-867-2956	5	42
	Stock Seed Farm	Murdock	402-867-3771	21	7
Custer	Arrow Seed Company	Broken Bow	308-872-6826	28	
Saunders	Kubik Seed Sales	Prague	402-663-4379	3	

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	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	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771	30	
Custer	Arrow Seed Company	Broken Bow	308-872-6826	10	3

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

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		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	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		37
Lancaster	Miller Seed Company	Lincoln	402-438-1232		23

Sand Lovegrass is a native warm-season bunchgrass which starts its growth in the early spring and may stay green into late summer. Plants are medium height (4+ feet) and well tillered. It is a highly palatable and nutritious range grass with a deep root system and good drought resistance. It lacks persistence under heavy grazing. Sand lovegrass has high seedling vigor, establishes quickly, withstands low soil fertility, and reseeds itself readily. It is a useful component for warm-season grass mixtures on most soils and sites in Nebraska.

NEBRASKA 27 — Nebraska 27 is a variety selected by the USDA-ARS and Nebraska for native Nebraska ecotypes collected in Holt county. It is a widely adapted, winterhardy, and persistent strain. In the northern Great Plains, it has demonstrated superior performance to selections of more southern origins.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Morrill	Laux Seed Farm	Bridgeport	308-262-0512		5

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



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	REG	CERT
Scotts Bluff	Carl Thomas	Morrill	308-247-2096	8	

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.

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	REG	CERT
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	REG	CERT
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, and 7.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
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	REG	CERT
Custer	Arrow Seed Company	Broken Bow	308-872-6826		34
Saline	Ronald Vlasin	Crete	402-826-3422		25
Saunders	Kubik Seed Sales	Prague	402-663-4379		4

Thickspike Wheatgrass is a native cool-season, sod-forming grass which provides early spring forage on lighter textured, dryland soils and at higher elevation. It is strongly rhizomatous and produces a tight sod. Thickspike wheatgrass is well adapted for stabilization of disturbed areas and revegetation. Plants are medium height with little tillering and abundant fine leaves.

CRITANA – Critana was selected from native ecotypes by Montana and the Soil Conservation Service. It has excellent seedling vigor and produces low growing plants with fine leaves. It is widely used for stabilization plantings that receive little maintenance in the lower rainfall regions of the Rocky Mountains and Great Plains. Critana is also adapted for range reseeding on severely eroded sites.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Kimball	Kendall Atkins	Dix	308-682-5647		22

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	REG	CERT
Box Butte	Dan Laursen	Alliance	308-487-5541	18	

Russian Wildrye is a cool-season bunchgrass introduced in 1927 from central Asia. It is one of the earliest grasses for spring grazing, stays green longer in the summer than crested wheatgrass, and is often used as complementary pasture to extend the fall grazing season. Russian wildrye is best adapted to the drier areas of the northern Great Plains. It has low seedling vigor; but once established, plants are long-lived, vigorous, and unusually cold- and drought-hardy.

BOZOISKY SELECT – Bozoisky Select was selected for improved seedling vigor, leafiness, seed yield, and coleoptile length as compared to the variety 'Vinall'. Plants are 3-5 feet tall. Bozoisky Select was released by the USDA-ARS in cooperation with Utah, Montana, and the USDA-SCS.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Dawes	James T. O'Rourke	Chadron	308-432-5954		3

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



TURFGRASSES

2004 Spring Planted Crops

• Certified Seed

• Quality Assurance

• Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



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 BLACKSTONE — Blackstone is a very dark blue-green Kentucky bluegrass that is excellent for jump-starting seed blends and mixes after a long cold winter. This variety has very good resistance to stem and stripe rust, dollar spot, stripe smut, and grey snow mold. Blackstone has shown excellent summer performance in heat and humidity. U.S. Variety Protection Applied For (PVPA 1994). Certificate No. 9900084.

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

PVP NORTH STAR — North Star is a very stable and uniform variety. North Star is a late maturing variety that is well adapted to any area where bluegrass is used. It has a dark green color, is highly resistant to salinity, and has moderate registrants to most production diseases. North Star will tolerate a short mowing height of one half inch and has a medium fine leaf. U.S. Variety Protection Applied For (PVPA 1994). Certificate No. 200100016.

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

PVP UNIQUE — Unique is an elite, compact type variety. It has a dark blue-green color and produces a dense turf with medium fine texture. Unique is similar to the cultivar "Midnight" for most characteristics. However, it is earlier heading and slightly shorter. It is similar to "Baron" for tolerance to cold, heat, drought, and shade. It has adequate resistance to most turf diseases. Seed of Unique is produced and marketed exclusively under the direction of the variety owner Turf Seed Inc. Unauthorized production and sale of seed is illegal. U.S. Protected Variety. Certificate No. 9200129.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
	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.

vegetat
Tieoka
to wind
to Leaf
has ex
going
efforts
produc
Unauth
Protect
COUNT
Case
PVP N
It has
color
densit
a high
it esta
Turfgr
produ
Unauth
1994
COUNT
Case
Cust

The
on s
prov

KEN
COUNT
Hall
Platt
Sau

TURF
COUNT
Sau

BU
COUNT
Sau

Seed Gu

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	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Stock Seed Farm	Murdock	402-867-3771		
Custer	Arrow Seed Company	Broken Bow	308-872-6826		

TURFGRASS SOD

The following Nebraska sod producers are voluntarily using the sod certification process on selected fields in 2003 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
Platte	Mueller Sod Farm	Columbus	402-564-6364	37
Saunders	Todd Valley Farms	Mead	402-624-6385	80

TURF-TYPE TALL FESCUE/KENTUCKY BLUEGRASS MIXTURES

COUNTY	PRODUCER	TOWN	TELEPHONE	ACRES
Saunders	Todd Valley Farms	Mead	402-624-6385	33

BUFFALOGRASS

COUNTY	PRODUCER	TOWN	TELEPHONE	ACRES
Saunders	Todd Valley Farms	Mead	402-624-6385	35

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

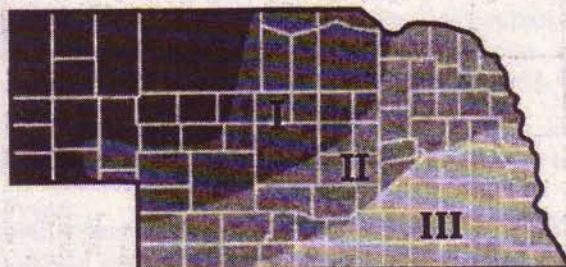
N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



SOYBEANS

General Areas of Adaptation for Maturity Group I, II, and III

In Nebraska adaptation is determined by variety response to day length, temperature, patterns, and length of growing season.



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	REG	CERT
Clay	Darrel Wehnes & Sons	Inland	402-772-8101		10

NE3001 – NE3001 is an early Maturity Group III variety with determinate growth habit. The plant canopy is bushy and height is medium with excellent standability. NE 3001 is well adapted to narrow row or drilled row culture and irrigated or dryland conditions. Higher planting rates are recommended when planted in 30 inch rows (225,000 viable seeds/acre).

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cass	Lloyd Vogt & Son	Elmwood	402-994-2475		15
Kearney	Roberts Seed	Axtell	308-743-2565		64

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	REG	CERT
Cass	Lloyd Vogt & Son	Elmwood	402-994-2475		20
Seward	Armand Richert	Gresham	402-735-7523		50

SOYBEAN VARIETY CHARACTERISTICS - 2004

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.

Variety	PVP Status ¹	Agronomic Characteristics ²						Phytophythora Root & Stem Rot ³			Tolerance to Iron Deficiency Chlorosis ⁵	White Mold Avoidance ⁶	Hilum Color			
		Relative Maturity	Height ⁴	Canopy Type	Lodging Resistance	Seedling Emergence ⁴	Seed Size ³	Rps Gene	Field Tolerance							
Maturity Group 1																
NE1900	N	1.9	short	mod slender	very good	very good	medium	none	-	-	fair	fair	-	yellow		
Vinton 81	N	2.1	medium	mod slender	fair	fair	large	1a	good	good	fair	good	fair	yellow		
Maturity Group 2																
Colfax	N	2.8	short	mod slender	excellent	very good	med large	none	moderate	moderate	fair	good	good	buff		
Conrad	P	2.5	medium	mod slender	very good	good	medium	none	good	good	poor	fair	poor	brown		
Maturity Group 3																
Dunbar	N	3.3	mod tall	mod bushy	very good	good	medium	+	moderate	moderate	good	good	poor	imp black		
Hamilton	P	3.6	mod tall	bushy	good	fair	medium	none	fair	fair	poor	poor	-	buff		
Hobbit 87	P	3.3	short	mod bushy	excellent	very good	medium	1k	very good	very good	poor	poor	poor	black		
NE3001	N	3.0	medium	bushy	excellent	good	medium	none	good	good	poor	poor	poor	buff		
NE3297	N	3.2	tall	mod slender	very good	very good	medium	none	poor	poor	poor	poor	good	brown		
NE3399	N	3.3	mod tall	mod bushy	very good	very good	medium	none	0	0	0	0	0	black		
Nemaha	N	3.5	mod tall	mod bushy	very good	very good	medium	none	moderate	moderate	poor	poor	poor	buff		
Odell	N	3.5	mod tall	mod bushy	good	very good	medium	none	moderate	moderate	fair	fair	fair	buff		
Probst	P-94	3.6	mod tall	mod bushy	very good	very good	medium	1k	very good	very good	poor	poor	fair	black		
Williams 82	N	3.8	tall	mod bushy	good	good	medium	1k	very good	very good	very poor	poor	poor	black		

¹ U.S. Plant Variety Protection: N = not protected, P = protected variety, 94 = applied for or protected under the 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.
³ 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".
⁴ Rating is based on ability of seedlings to emerge under standard laboratory test conditions at the Seed Science Center, Iowa State University.
⁵ Phytophythora Gene Resistance-see list on page 9 for races. The reaction will vary depending on how favorable conditions are for development of phytophythora, chlorosis or white mold, crop management practices, and/or plant growth stage or deviations in genetic resistance within the variety.



N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved



NEBRASKA
CROP IMPROVEMENT
ASSOCIATION

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

FOOD GRADE SOYBEAN VARIETY CHARACTERISTICS¹

Variety	Relative Maturity ²	Plant Height ³ (inches)	Seeds/Pound ³	Lodging	Emergence	% Protein ³	Hilum Color
Maturity Group 1							
HP204	2.0	38	2200	2.1	1	36.9	yellow
Vinton 81	2.1	41	2200	2.7	4	36.9	yellow
Maturity Group 2							
Fremont	3.0	32	3000	2.0	3	36.6	yellow
IA2020	2.6	41	1800	1.9	2	36.2	yellow
IA2035	2.7	31	5600	2.4	5	38.2	yellow
Mercury	2.9	28	5800	1.6	2	35.1	buff
NE2696LS	2.6	34	1900	1.5	2	36.8	yellow
Maturity Group 3							
IA3001	3.2	39	2300	1.7	1	36.9	yellow
IA3006	3.1	34	1700	1.6	1	36.9	yellow
IA3008	3.2	37	5300	2.8	5	33.0	yellow
NE3396	3.3	33	2900	1.2	4	37.9	buff
NE3496SS	3.4	33	4800	1.8	3	35.6	yellow
Ohio FG1	3.2	35	1950	2.6	1	36.3	yellow
Saturn	3.6	28	1700	2.0	4	35.6	yellow
Maturity Group 4							
IA4001	3.9	36	6050	3.1	4	31.2	yellow

¹ This information reflects each variety's average performance within its area of adaptation under normal growing conditions and cultural practices. Actual agronomic performance and end-use qualities will vary with differing growing conditions.

² Maturity will vary between years, location, and with production conditions.

³ Data is from results of the Nebraska Specialty Soybean Variety Trials or comparable tests. Protein and seed size are reported on a 13% moisture basis. Lodging and emergence are rated on a 1 to 5 scale (1=best).

OAT VARIETY CHARACTERISTICS - 2004

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	Stem Rust	Crown Rust			BYD Virus
Blaze	P-94	medium	good	medium	fair	tan	-	-	MS-MR	MT	medium	IL
Classic	N	early	-	mod short	good	yellow	na	na	na	na	na	IN
Don	N	early	good	short	good	white	R	MS	S	MT	medium	IL
Hytst	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	low	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 = 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.



NEBRASKA
CROP IMPROVEMENT
 ASSOCIATION

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



OATS

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Scotts Bluff	Jirdon Agri Chemicals	Morrill	308-247-2126	50	
Sheridan	Thorsen Family Farm	Gordon	308-282-0189		32
Washington	Ron Smith	Hooper	402-654-3895		7

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Box Butte	Cullan Farms	Hemingford	308-487-3905		60
Buffalo	Donald Muhlbach	Ravenna	308-452-3588		7
Butler	Pete Schmit & Sons Ltd	Bellwood	402-538-4645	38	
Chase	Luhrs Cert Seed & Cond	Enders	308-882-5917	317	
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		55
Clay	Darrel Wehnes & Sons	Inland	402-772-8101	14	128
Custer	Arrow Seed Co.	Broken Bow	308-872-6826		52
Gage	Anderson Seed	Odell	402-766-3790	13	
	Blue Valley Seed	DeWitt	402-683-5615		20
	Husa Seed Farms	Barneston	402-674-3188	16	
Hamilton	Steven Obermeier	Giltner	402-849-2622	18	
	Veburg Seed Farm	Hordville	402-757-3399	15	
Lancaster	Edgar Farms	Firth	402-791-5797	22	
Otoe	Dale Henke	Syracuse	402-269-2522	12	
Perkins	Glenn Colson	Elsie	308-228-2322		52
Saunders	Kubik Seed Sales	Prague	402-663-4379	12	
	Rezac Seed	Valparaiso	402-784-3875		42
Scotts Bluff	Jirdon Agri Chemicals	Morrill	308-247-2126		34
Thayer	Maschmann Mills	Deshler	402-365-4369	75	5
Washington	Ron Smith	Hooper	402-654-3895		13
Webster	Providence Farms	Bladen	402-756-1090	26	
York	Miller Seed & Supply	York	402-362-5516	22	24

LOYAL — Loyal is a late maturing variety heading about 3 days later than Jerry and 1 day later than Troy. Loyal is medium tall with good straw strength, slightly less than Jerry. Loyal has white grain with good test weight. It has good crown rust resistance and is also resistant to smut but is somewhat more susceptible to Barley Yellow Dwarf than Jerry. Loyal was developed and tested as SK94160 by the South Dakota Agricultural Experiment Station and released in 2000. Loyal was produced from the cross Noble//Dal/Nodaway70/3/ND821465/4/Premier/5/Don.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Custer	Arrow Seed Company	Broken Bow	308-872-6826		65

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	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	2	

OGLE — Ogle is a medium maturing variety, is medium in height, and has good straw strength. Grain is yellow in color, and kernels are often awned. Test weight patterns are fair with acceptable milling performance. It is widely adapted for grain or forage production and has very good yield stability. Ogle was developed by Illinois and the USDA-ARS from the cross Brave//Tyler/Egdolon 23.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Butler	Pete Schmit & Sons LTD	Bellwood	402-538-4645	20	
Cheyenne	Steve Schumacher	Dalton	308-377-2502	24	
Gage	Husa Seed Farms	Barneston	402-674-3188	11	

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cedar	Troy Fuelberth	Hartington	402-254-6903		63
Colfax	Leonard Bayer	Howell	402-986-1397		20
Custer	Arrow Seed Company	Broken Bow	308-872-6826		92
Jefferson	Knobel Seeds	Fairbury	402-446-7394		39
Johnson	Muddy Creek Seed Farm	Johnson	402-868-6775		12
Knox	Phil Nielsen Seed	Bloomfield	402-373-2627	8	
Saunders	Kubik Seed Sales	Prague	402-663-4379	6	
Saunders	Rezac Seed	Valparaiso	402-784-3875		53
Washington	Ron Smith	Hooper	402-654-3895	21	

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



RISER — Riser is a very early maturing variety, medium in height with good straw strength. Grain is yellow in color and has good test weight patterns with above average protein content. In limited Nebraska tests, Riser has shown promising performance compared to other early varieties. It may be grown for either forage or grain. It is well suited for use as a companion crop. Riser is 3-4 inches taller than Don and slightly shorter than Jerry. Riser is resistant to crown rust and smut, moderately susceptible to barley yellow dwarf virus, and susceptible to stem rust. It was developed by the South Dakota Agricultural Experiment Station from the cross Settler/IA681.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	26	

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	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424		415

SPRING BARLEY

PVP CONLON — Conlon is a two-rowed, spring feed barley with semi-smooth awns. It is an early maturing variety, similar to Bowman. It is medium in height and has good straw strength. Grain tends to be plump, has white aleurone, and average protein content. Conlon is susceptible to stem rust, loose smut, and moderately susceptible to spot blotch. It was developed by the North Dakota Agricultural Experiment Station and the USDA-ARS. Seed may be legally sold and labeled by variety name only as Certified seed. U.S. Plant Variety Protection Applied For (PVPA 1994). Certificate No. 9700243.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	47	

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	REG	CERT
Box Butte	D & S Hansen Farms	Hemingford	308-760-0189	20	45

SPRING WHEAT

PVF INGOT – Ingot is an early, standard height variety. It has very high test weight, good breadmaking qualities, and is tolerant to scab. Ingot has slightly higher grain yield, and heads one day earlier with higher protein compared to Butte 86. Ingot has resistance to stem and leaf rust. It is moderately susceptible to leaf spotting disease complex. Ingot was developed by the South Dakota Agriculture Experiment Station from the cross of SD3080/'Dalen' and released in 1998. U.S. Protected Variety (PVPA 1994). Certificate No. 9900208.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Kearney	Roberts Seed	Axtell	308-743-2565		20

PVF WALWORTH – Walworth hard red spring wheat, tested as SD3348, was developed by the South Dakota Agricultural Experiment Station and released in 2001. Walworth originated from the cross 3116/Oxen. SD3611 originated from the cross Shield/Butte 86. Walworth looks similar to Oxen but is slightly taller. Walworth is an awned, semidwarf, early maturing variety. It has good milling and baking characteristics. Walworth has shown a yield advantage over Oxen. Walworth is moderately resistant to the prevalent races of leaf rust and is resistant to stem rust. It has an intermediate level of scab resistance, which is similar to Ingot, but better than Oxen. U.S. Protected Variety (PVPA 1994). Certificate No. 200200108.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Kearney	Roberts Seed	Axtell	308-743-2565		20

**Nebraska Crop Improvement Association
is on the Web.**



www.unl.edu/ncia

Visit the web page to view publications,
programs, procedures, etc.

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N





N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

MILLET VARIETY CHARACTERISTICS – 2004

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

¹ See EC99-107A for variety yield comparisons.

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

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

MILLET

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Chase	Luhrs Cert Seed & Cond	Enders	308-882-5917		65

WHITE WONDER FOXTAIL – White Wonder Foxtail Millet is a dual purpose millet that can be cut for hay or grain. White Wonder is high yielding, white seeded variety that is similar to German millet.

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Chase	Luhrs Cert Seed & Cond	Enders	308-882-5917		125

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	234	330

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	122	215

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

COUNTY	GROWER	TOWN	TELEPHONE	REG	CERT
Chase	Luhrs Cert Seed & Cond	Enders	308-882-5917	130	
Cheyenne	Kriesel Certified Seed	Gurley	308-884-2424	215	208
	Winkelman Seed	Dalton	308-377-2453		114
Deuel	V & F Farms Co.	Chappell	308-874-2480	53	111

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



2004 Spring Planted Crops

• Certified Seed

• Quality Assurance

• Identity Preserved

NEBRASKA
CROP IMPROVEMENT
ASSOCIATION



HYBRID SEED CORN

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

For information regarding specific products produced using these programs in 2003, please contact the participating company.

County	Grower	Town	Telephone
Adams	NC+ Hybrids	Hastings	402-463-5661
	Starr Partnership	Hastings	402-461-4229
Buffalo	Gangwish Seed Farms, Inc.	Shelton	308-647-5301
	Monsanto Company	Kearney	308-234-9710
Dodge	Beebe Seed Farms	North Bend	402-652-3741
	Hoegemeyer Hybrids	Hooper	402-654-3399
Douglas	J.C. Robinson Seeds	Waterloo	402-779-2531
	Lauber Seed Farms	Geneva	402-759-3102
Fillmore	Mettenbrink Farms	Grand Island	308-382-8828
	Petersen Farms, Inc.	Grand Island	308-382-1672
Hall	Syngenta Seeds Inc.	Phillips	402-886-2257
	Gleason Farms	Wood River	308-583-2413
Hamilton	Pioneer Hi-Bred International	Doniphan	402-744-3271
	NC+ Hybrids	Lincoln	402-467-2517
Lancaster	Boe Seed Farm inc.	Madison	402-454-2884
	Producers Hybrids Inc.	Battle Creek	402-675-2975
Madison	Sonderup Seed Farms	Fullerton	308-536-2027
	Cast Farms	Milford	402-532-7515
Nance	Garst Seed Co.	Coon Rapids, IA	712-684-2211
	Kirchhoff Farms, Inc.	Hardy	402-236-8838
Seward	Mycogen Plant Sciences	York	402-362-7441
	Pioneer Hi-Bred International	York	402-362-3349

2004 Nebraska Seed Improvement Conference
January 26-28, 2004
Ramada Inn, Kearney, Nebraska

A cooperative venture of the Nebraska Crop Improvement Association and the Nebraska Seed Trade Association



NEBRASKA SEED QUALITY ASSURANCE® PROGRAM

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

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

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

For more information regarding specific products produced using the QA program in 2003, please contact the participating seed enterprise.

Bio Gene Seeds	888-862-3276
Hoegemeyer Hybrids	402-654-3399
Midland Seed Associates	800-643-4340
NC+ Hybrids	402-467-2517
NuPride Genetics Network	402-472-1444

SOYBEANS BUYERS' NOTICE

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

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

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

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

2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

NEBRASKA
CROP IMPROVEMENT
ASSOCIATION



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
A S S O C I A T I O N



APPROVED SEED CONDITIONERS

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

The objectives of the Approved Conditioner program are:

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

West District

Ag Operations Group	Big Springs	308-889-3429
Carter Certified Seed	Chappell	308-874-2595
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 Cooperative	Imperial	308-882-3224
Haskins Seed Cleaning	Wauneta	308-394-5530
Luhrs Certified Seed & Conditioning	Enders	308-882-5917
Olson Livestock & Seed	Haigler	308-297-3283
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
NC+ Hybrids	Hastings	402-463-5661
Pioneer Hi-Bred International, Inc.	Doniphan	402-744-3271
Pioneer Hi-Bred International, Inc.	York	402-362-3349
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

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved



2004 Spring Planted Crops

- Certified Seed
- Quality Assurance
- Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



CUSTOM CERTIFIED CONDITIONERS

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

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

The objectives of the Custom Certified Conditioner program are:

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

West District

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

Southwest District

Greenbank Inc.	Fort Morgan, CO	800-615-4769
Lytle Seed Company	Wauneta	308-394-5128
George Russell	Maywood	308-362-4459

Southeast District

Kamterter II LLC	Lincoln	402-466-1224
------------------	---------	--------------

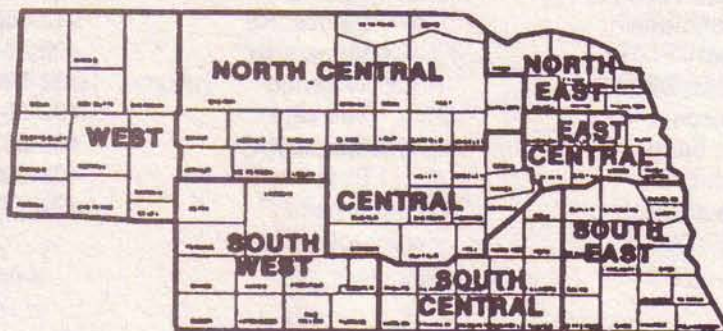
East Central District

Alliance Production	Whiting, IA	712-458-2175
---------------------	-------------	--------------

*Portable Seed Cleaner

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

NEBRASKA CROPPING DISTRICTS



2003 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
Alliance Production	14633 Hwy K64	Whiting IA	51063	713-458-2175	CC
Andersen & Associates	2204 No. S Rd	Marquette	68854	402-854-2225	AC
Anderson Farms	3605 Raymond Rd	Davey	68336	402-785-5935	GR
R & L Anderson LLC	1221 - 9 St.	Arapahoe	68922	308-493-5534	GR
Anderson Seed	42401 SW 61 Odell 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	RR 2 Box 97A	Wauneta	69045	308-394-5423	GR
Leonard Bayer	2115 CR 14	Howell	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.	PO Box 27	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 - 1019 TH	Des Moines IA	50313	515-289-4580	AM
Broberg Farms	PO Box 586	Tilden	68781	402-368-5647	GR
Jerry Brunsing	1078 Hwy 32	West Point	68788	402-372-5071	GR
Edgar Buescher & Sons	RR 1 Box 638	Lawrence	68957	402-756-7971	GR
D.K. Buskirk & Sons	7351 Gage Rd.	Hemingford	69348	308-487-3995	GC
C & C Farms	RR 1 Box 64	Superior	68978	402-879-4639	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
Bruce Christensen	RR 1 Box 123	Hardy	68943	402-226-3721	GR
Glenn Chvatal	2615 CR U	Prague	68050	402-663-4386	GR
Circle S	PO Box 370	Elm Creek	68836	308-856-4633	GR
Cole Seed Farm, Inc.	2101 Church Rd.	Plattsmouth	68048	402-298-8169	AC
Glenn Colson	HC 55 Box 75	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	308-487-3905	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
Joe Dolezal	HC 81 Box 57	Rushville	69360	308-862-4206	GR
Joseph Dubas	RR 1 Box 34	Fullerton	68638	308-536-2797	GR
Dunbar Seed	HC 70 Box 13	Eustis	69028	308-486-5590	AC

2004 Spring Planted Crops
 • Certified Seed
 • Quality Assurance
 • Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
 A S S O C I A T I O N



2004 Spring Planted Crops

• Certified Seed
• Quality Assurance
• Identity Preserved

N E B R A S K A CROP IMPROVEMENT A S S O C I A T I O N



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	1848 CR 14 Blvd	Ames	68621	402-622-8246	GR
Fontanelle Hybrids	2230 N. Somers	Fremont	68025	402-721-6348	GC
Kirk Foster	RR 2 Box 65	Berwyn	68819	308-935-1472	GR
Foundation Seed Division	1071 CR G RM C	Ithaca	68033	402-624-8084	AC
Terry Foxhoven	210 St. James Ave.	Wynot	68792	402-357-2396	GR
Frenchman Valley Farmer Coop	143 Broadway	Imperial	69033	308-882-3224	AC
Troy Fuelberth	88165 Hwy 81	Hartington	68739	402-254-6903	GR
Gangwish Seed Farms	PO Box 530	Shelton	68876	308-647-5301	GR
Garst Seed Co.	615 Main St.	Coon Rapid IA	50058	712-684-3248	GR
General Mills Operations	#2 5 th St N	Great Falls MT	59401	407-761-6252	AM
Gleason Farms, Inc.	724 S. Cameron Rd.	Wood River	68883	308-583-2413	GR
Greenbank Inc.	P Box 1037	Fort Morgan CO	80701	800-615-4769	CC
Greenkeeper Co. Inc.	PO Box 451123	Omaha	68137	402-333-8813	GR
Gross Seed Co. Inc.	HC 66 Box 13	Johnstown	69214	402-722-4215	AM
Gustafson Inc.	PO Box 660065	Dallas TX	75266	214-985-8877	AM
Richard Ham	RR1 Box 129	Benkelman	69021	308-423-2936	GR
Hansen Mueller Co.	12231 Emmet St.	Omaha	68164	402-492-3385	AM
D & S Hansen Farms	982 CR 63	Hemingford	69348	308-760-0189	AC
Haskins Seed Cleaning	RR 2 Box 114	Wauneta	69045	308-394-5530	AC
Dale Henke	2490 N Rd	Syracuse	68446	402-269-2522	GC
Hergert Milling Inc.	1424 Ave B	Scottsbluff	69361	308-632-2315	AM
Heritage Seed Co. Inc.	PO Box 544	Crawford	69339	308-665-1672	AC
B.K. Heuermann & Sons	504 W. Hwy 34	Phillips	68865	402-886-2911	GR
Hoegemeyer Hybrids	1755 Hoegemeyer Rd.	Hooper	68031	402-654-3399	AC
Holt's Organic Land & Livestock	5268 Rd. 99	Dalton	69131	308-377-2272	GR
Husa Seed Farms	46359 S. 108 Rd.	Barneston	68309	402-674-3188	AC
Harlan F. Husa	RR 1 Box 103	Hebron	68370	402-768-2423	GR
Illinois Foundation Seed	2840 O St Rd.	Seward	68434		AM
Ingram Feed & Seed	RR 1 Box 84	Franklin	68939	308-425-3167	GR
J.R. Ingwerson	17414 Ingwerson Lane	Plattsmouth	68048	402-298-8572	GC
Iowa Acres Inc.	26767 Timber Rd.	Kelley IA	50134	515-232-1930	GR
IPSA	PO Box 316	Geneseo IL	61254	309-944-3104	AM
Jacklin Seed	2630 E. Ainsworth	Pasco WA	99301	509-659-1065	GR
Jandera Inc.	RR 1 Box 43	Brock	68320	402-868-4215	GR
Thomas Jehorek	825 Rd W 50	Brule	69127	308-287-2327	GR
Jirdon Agri Chemicals	PO Box 516	Morrill	69358	308-247-2126	AC
Von Johnson	PO Box 208	Cambridge	69022	308-697-4654	GC
William Junge	RR 1 Box 110	Gordon	69343	308-327-2823	GR
Kamterter II LLC	PO Box 30327	Lincoln	68503	402-466-1224	CC
Kaup Seed & Fertilizer	1101 S. Beemer St.	West Point	68788	402-372-5588	AC
KBC Trading & Processing	28810 CR S	Brush CO	80723		GR
KBC Trading & Processing	Hwy 18 S	Mayville ND	58257	701-786-2997	AC
KDH Sales	RR 3 Box 117	Auburn	68305	402-274-5665	GR
Kelley Bean Co.	1520 Ave. B.	Scottsbluff	69361	308-635-6438	AC
Kiowa Creek Land & Cattle Co.	PO Box 800	Scottsbluff	69363	308-632-7712	GR
Kirchhoff Farms, Inc.	RR 1 Box 76	Hardy	68943	402-236-8831	GR
Knobel Seeds	72055 567 Ave.	Fairbury	68352	402-446-7394	AC
Kriesel Certified Seed	4626 Rd 111	Gurley	69141	308-884-2424	AC
Lyle Krska	2495 - 336 Rd.	Ulysses	68669	402-549-2254	GC
Kubik Seed Sales	1860 CR 31	Prague	68050	402-663-4379	GR
J.M. Kuehn Inc.	1639 40 Rd.	Heartwell	68945	308-563-2101	GR
Ladd Farm	PO Box 94	Nickerson	68044	402-727-9903	GC
W.A. Lafleur & Sons	111 E. 2 St.	Madison	68748	402-454-2232	AC
Lance Larsen	282 - 448 Rd.	Friend	68359	402-576-3002	GR
George Latter	1369 - 33 Rd.	Minden	68959	308-832-1349	GR
Lauber Seed Farms LLC	549 R St.	Geneva	68361	402-759-3102	AC
Dan Laursen	7678 Madison Rd	Alliance	69301	308-487-5541	GR
Laux Seed Farm	HC 85 Box 48	Bridgeport	69336	308-262-0512	GC
Kent/Kelly Lehmann	RR 1 Box 43	Eustis	69028	308-486-5505	GR

Dewain Lockwood	3814 N Hwy 71	Kimball	69145	308-235-4104	AC
Luths Cart Seed & Conditioning	PO Box 353	Enders	69027	308-882-5917	AC
Leon Lutkemeier	RR 1 Box 108	Bladen	68928	402-756-8488	GR
Luthe Seed Co.	34554 - 727 Rd.	Wauwata	69045	308-394-5128	CC
Waca Seeds	1167 Rd 17	Rogers	68659	402-352-2789	GR
Bruce A. Madsen	5284 B Rd.	Nehawka	68413	402-263-5555	GR
Warin Sod Farms	4026 Lillie Dr.	Grand Island	68801	308-382-5425	GR
Waschmann Mills	PO Box 428	Deshler	68340	402-365-4369	AC
Wayer Seed	RR 3 Box 152	Auburn	68305	402-274-5743	AC
Wicktor Farms	HC 80 Box 11	Grant	69140	308-352-4051	GR
Wettenbrink Farms	3042 N. Engleman Rd.	Grand Island	68803	308-382-8828	GR
Miller Seed & Supply	327 York Ave.	York	68467	402-362-5516	AC
Miller Seed Co. Inc.	1600 Cornhusker Hwy	Lincoln	68501	402-438-1232	AC
Guy Mills, Jr.	RR 1 Box 86A	Mason City	68855	308-732-3419	GR
Harvey R. Mills	29606 Mill Rd.	Murdock	68407	402-867-2956	GC
Monsanto Co.	PO Box 73	Kearney	68848	308-234-9710	AC
Muddy Creek Seed Farm	RR 1 Box 59	Johnson	68378	402-868-6775	AC
Mueller Sod Farm	1860 - 83 St.	Columbus	68601	402-564-6364	GR
Don Muhlbach	46385 - 295 Rd.	Ravenna	68869	308-452-3588	AC
Mycogen Plant Sciences	1117 Recharge Rd.	York	68467	402-362-7441	AC
Nature Conservancy	1228 L St. Ste 1	Aurora	68818	402-694-4191	GR
NC+ Hybrids	311 Rd. 3163	Hastings	68901	402-463-5661	AC
NC+ Hybrids	3820 N. 56	Lincoln	68504	402-467-2517	GR
James Nejezchleb	PO Box 5	Deweese	68934	402-262-2277	GR
Nelson Certified Seed	37629 W. Nelson Rd.	Wallace	69169	308-387-4698	GR
Lee E. Nelson & Sons	RR 1 Box 118	Sutton	68979	402-773-4700	GR
New Alliance Bean & Grain	PO Box 619	Alliance	69301	308-762-8014	AC
Phil Nielsen Seed	54136 - 885 Rd	Bloomfield	68718	402-373-2627	GR
James T. O'Rourke	61 Country Club Rd.	Chadron	69337	308-432-5954	GR
Steven Obermeier	803 S. F Rd.	Giltner	68841	402-849-2622	GR
Ohlde Seed Farms	1577 - 4 Rd.	Palmer KS	66962	913-692-4555	AC
Oliver Manufacturing	PO Box 512	Rocky Ford CO	81067	719-254-3480	AM
Olson Livestock & Seed	HC 67 Box 12	Haigler	69030	308-297-3283	AC
ORK Farms	PO Box 356	Grant	69140	308-352-2132	GR
Scott Osler	HC 55 Box 129	Elsie	69134	308-228-2296	GC
Paben Farms	27431 SW 32 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.	1424 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. Platter	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	913-527-2271	AM
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
Progressive Turf Equipment Inc.	137 W. William St	Seaforth Ontario		519-527-1080	AM
Providence Farms	RR 1 Box 41	Bladen	68928	402-756-1090	GR
Radke Engineering	3026 Rd. 199	Big Springs	69122	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
Reeves Services inc.	PO Box 61	Atwood KS	67730	785-626-9695	AC
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

2004 Spring Planted Crops
• Certified Seed
• Quality Assurance
• Identity Preserved

N E B R A S K A
CROP IMPROVEMENT
ASSOCIATION



NOTE: The information and instructions contained in this booklet are believed to be reliable. However, the Nebraska Crop Improvement Association does not guarantee the accuracy, completeness, or applicability to local conditions of the information and instructions contained herein, and the Association disclaims all legal responsibility therefore.

The Nebraska Seed Book is published biannually by the Nebraska Crop Improvement Association, 267 Plant Sciences Hall, Lincoln, NE 68583-0911.
Volume 82, Issue 1 - Spring 2004

L. P.
2.
3. E.
4. W.
5. H.
6. I.
7. W.
8. P.
an
The
Mail
1
3
I
OR 1
4
OR V
V
Seed G

SURVEY

Nebraska Seed Guide - 2004 Evaluation Sheet

1. Please indicate your level of satisfaction with receiving variety test information in this format

Not Satisfied Somewhat Satisfied Very Satisfied

2. Do you plan to make changes in your business/operation based on these results?

Definitely Not Probably Not Probably Will Definitely Will

3. How does this information compare with other sources of data available to you?

One of the Worst Below Average Above Average One of the Best

4. What is your estimated value of the knowledge you gained from this data on a per acre basis?
\$ _____/acre.

5. How can this Guide be improved?

6. I have followed the University of Nebraska variety testing information for _____ years.

7. Which of the following do you consider your primary occupation?

- Farmer
- Independent crop consultant
- Agribusiness representative
- Public agency representative
- Other (please specify) _____

8. Please indicate the number land acres (cropland, pasture, wetlands, etc) that you own, manage or influence annually.

- 1 to 5,000 acres
- 5,001 to 10,000 acres
- 10,001 to 25,000 acres
- 25,001 to 50,000 acres
- Over 50,000 acres (Please specify approximate number of acres _____)

Thank you.

Mail to:

Lenis Nelson
342 Keim Hall
Lincoln NE 68583-0915

OR Fax to:

402-472-7904

OR Web Site:

varietytest.unl.edu/survey



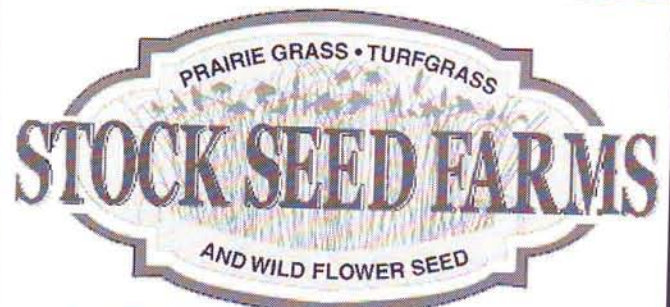
"A different kind of seed company."

Your source for quality seeds since 1946.

- Conservation Grasses
- Pasture Grasses
- Turf Grasses
- Small Grains
- Alfalfa
- Forages

Nebraska Certified Grass Seed Producer

ARROW SEED COMPANY INC.
BROKEN BOW, NEBRASKA
800-622-4727



A LEADER IN NATIVE GRASS AND WILDFLOWER PRODUCTION

Low-maintenance turf-type buffalo grass, Cody and Bowie

Native Grasses & Wildflowers

- CRP Seedings • Hay & Grazing
- Erosion Control • Floodplain Re-establishment
- Wildlife Habitat • Lawns • Acreage Seedings

STOCK SEED FARMS, INC.

28008 Mill Rd., Murdock, NE 68407-2350
1-800-759-1520 • Fax 402-867-2442

Website: www.stockseed.com
Free Catalogue Available

Simplifying Agriculture

Taking a complex environment and simplifying it with YieldGard® Plus

Control in Corn Borer & Corn Rootworm
 Control in High Cycle by Fontanelle's YieldGard Plus hybrids.
 Maximize yield, earn more profits, and reduce chemical applications.
 Complete Plant Protection and Season Long Control.



- High Cycle 9P258—115 day RM
Compare to HC 7951 YGCB and HC 7991 YGCB/RR
- High Cycle 8P727—112 day RM
Compare to 5234, HC 7893 RR, HC 8N422 YGCB/RR
- High Cycle 6P487—111 day RM
Compare to HC 7638 YGCB, HC 7798 YGCB/RR
- High Cycle 5P825—104 day RM
Compare to 4402, HC 7591 RR

For a sample of how these YieldGard Plus hybrids will perform, contact your Fontanelle representative or the following Regional Sales Managers:

- Doug Dudney, Gretna, 402-332-4686; Ron Gardner, Edison, 308-927-2585;
- Nick Lammers, Wood River, 308-583-2272

1-800-CR-Yield
www.fontanelle.com



Owner/member of the CORE Group
Marketer of High Cycle Seed Systems®

CERTIFIED SEED

Wheat Oats
Millet Triticale



State-of-the-art conditioning facility located
3 miles NE of Enders, NE.

Public Varieties
Arapahoe
Alliance
Millennium
Empire
Pronghorn
Wesley

Clearfield Wheat
Above
AP401CL
AP502CL

AgriPro
WHEAT
Superior Genetics
Locally Grown

Longhorn
Thunderbolt
Ogallala
Dumas
Platte
Jagalene
TAM 111

- Air Screen Cleaner
- Gravity Table
- Bulk Load Out at 40 bu/min.
- Length Graders
- 14x70 Certified Scales
- Highest Quality Available

• **Always Very Reasonably Priced!**



Luhrs Certified Seed & Conditioning®

Nebraska Approved Grower and Conditioner

P. O. Box 353, Enders, NE 69027

Phone: 308-882-5917

Cell Phone: 308-882-8152