1997

# EC97-105 Nebraska Corn Hybrid Tests, 1997

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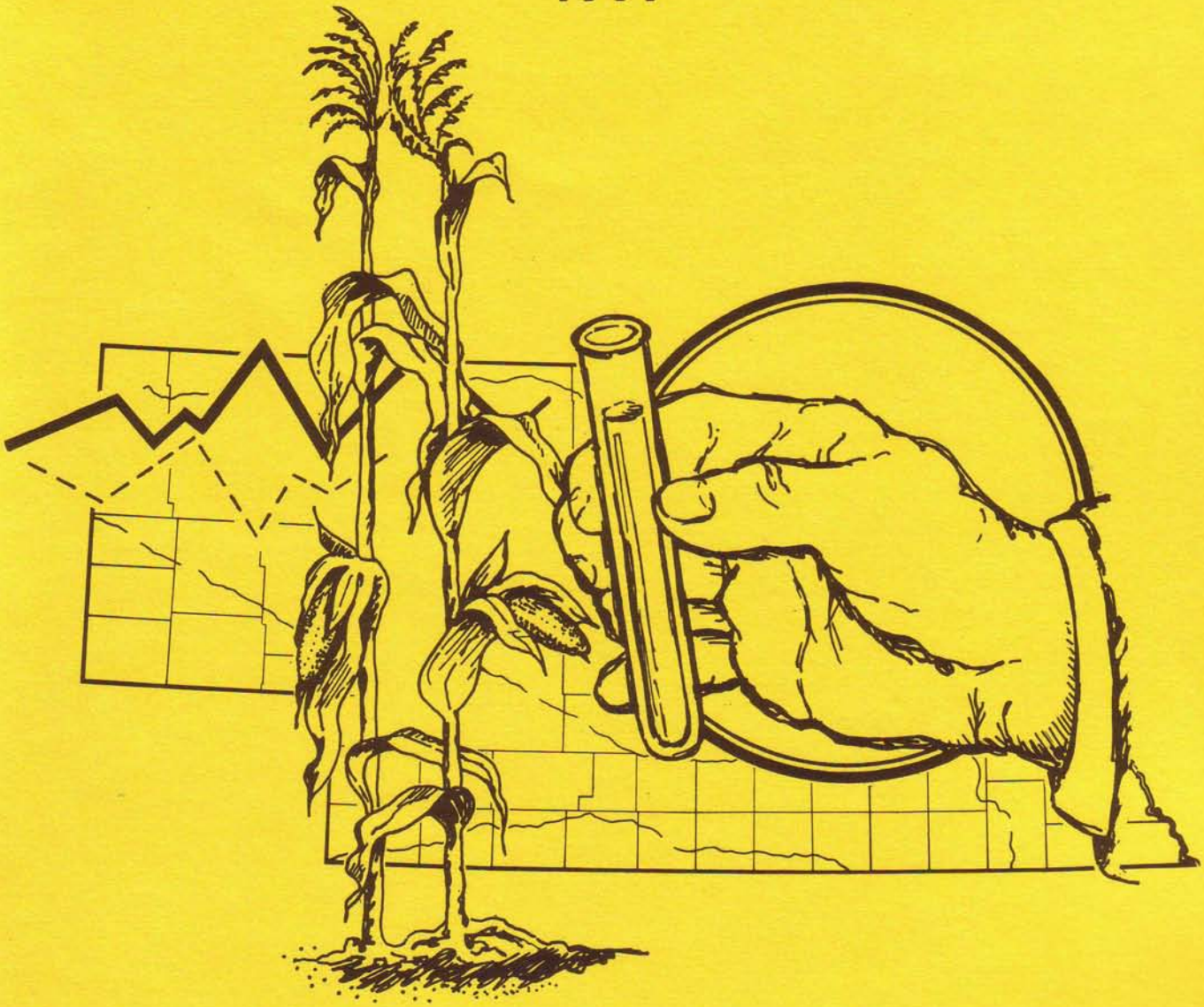
University of Nebraska Cooperative Extension EC 97-105-A

# NEBRASKA CORN HYBRID TESTS 1997



**University of Nebraska–Lincoln**
**Institute of Agriculture and Natural Resources**
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# EXTENSION CIRCULAR 97-105

# NEBRASKA CORN HYBRID TESTS

**December 1997**

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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, Jeff Golus, Greg Dorn, George Hoffmeister, Bobby Skates, Lisa Lunz, Ralph Klein, and Glen Frickel are to be commended for their efforts.

We acknowledge the State Climate Program at the University of Nebraska-Lincoln for providing the climate data used in this report. We also 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)

# EXTENSION CIRCULAR 97-105

## CONTENTS

# NEBRASKA CORN HYBRID TESTS

## 1997

Corn production as of November was forecast at 1,160,000,000 bushels at 132 bu/a. Irrigated corn was 152 bu/a compared to last years yields of 157 bu/a. Dryland corn production was 94 bu/a. Past corn yields are reported as followed (bu/a):

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|
| State | 130 | 127 | 132 | 108 | 138 | 111 | 143 | 132 |
| Irrigated | 148 | 150 | 144 | 117 | 151 | 130 | 157 | 152 |
| Nonirrigated | 89 | 77 | 107 | 91 | 112 | 70 | 115 | 94 |

Total acreage for harvest was 8,800,000 of which 5,800,000 was irrigated. Nonirrigated acreage was 3,000,000.

## 1997 Crop Production Summary

Here is a summary of the 1997 corn crop. By May 4, corn planting was 30% complete. This is behind last year's 55% and 32% for the five-year average. Corn producers made good planting progress until rain slowed fieldwork in many areas. The weather was mostly cool and wet. Temperatures averaged from three degrees to seven degrees below normals. Precipitation was widespread ranging from a tenth of an inch in the Southwest to over an inch and a half in the Southeast. By June 12, temperatures were still five to eleven degrees below normal. Corn conditions were rated at 2% poor, 22% fair, 62% good, and 14% excellent. Corn emergence rated 90%, compared with last year's 83% and five-year average of 74%. By June 22, corn conditions were rated 2% poor, 25% fair, 59% good and 14% excellent. Average temperatures for the week ranged from one to five degrees above normal. Corn borer moths were reported across the State. Reports from across the state indicated that the leaves were rolling due to lack of moisture. By July 6, corn condition rated 1% very poor, 2% poor, 14% fair, 66% good, and 17% excellent. Corn development continued about a week behind average. Temperatures for the entire state for the week averaged four to seven degrees below normals. Warm temperatures during July helped the corn crop advance. By August 3, irrigated corn was 77% good to excellent while dryland corn was 49% good to excellent. In the central and south central counties, over half of the dryland crop was rated in poor or very poor condition. The crop had reached the 91% silked stage. This compares with 87% last year and 77% for the five-year average. Corn in the dough stage was at 12% , compared with 6% last year and 15% average. Temperatures were one to four degrees below normals across the state. By August 31, corn condition rated 3% very poor, 7% poor, 26% fair, 49% good, and 15% excellent. Corn in the dough stage was at 93%, compared with 86% last year and 84% for the five-year average. Dryland corn rated 42% good or excellent. Irrigated corn 76% good or excellent. Denting progressed to 41% compared with 32% last year and 40% average. Temperatures averaged four to nine degrees above normals across the State. October 26, temperatures averaged six to eight degrees below normals for the week. An unseasonably early snow storm gave from six to twenty-three inches accumulations across the southeast half of Nebraska. Harvest was 63% complete, ahead of 42% last year and 44% average. The wet snow, accompanied by high winds, downed stalks in unharvested corn fields. Gray leaf spot, corn borer, and green snap were reported in the state during growing season.

Twenty nine corn performance tests were planted in 1997. Test locations are shown on the map (page 12). Data from three food grade tests are also included in this bulletin. Table A (page 13)

consists of cooperators, dates of planting and harvesting.

Corn trials are conducted to provide yield and other information about corn hybrids which may be offered for sale in Nebraska. A fee from seed producers covers a portion of the cost of establishing each test. Entry was on a voluntary basis and hybrids were selected by seed producers. Entries are limited to five hybrids at each location in the eastern half and six hybrids in the western half. At the Southeast, South Central, Northeast, West Central county locations, widely grown hybrids were entered by the Agronomy Department.

Table B (page 14) shows the average performance of all hybrids at each test location. Individual plots are two 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. Performance of hybrids common to each area over a five-year period is shown in Table C (page 15). Temperature and rainfall data are shown on (pages 62-63). The names of the entrants and their addresses are listed in Table D (page 16). Table E (page 17), lists brand name and hybrids of the entrant. The authors acknowledge the State Climate Program at the University of Nebraska-Lincoln for providing climate data and information used in this study.

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 on each plot with an electronic moisture meter.

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% and 25% levels of significance. At the 5% level, a difference of that magnitude would be expected once in twenty trials through chance alone. At the 25% level, a difference as large or larger would be expected by chance alone in one of four trials.

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

## Results

Relative hybrid performance often varies with locations within zones. The number of experiments conducted at each of the zones were: Southeast Dryland-2, East Central Dryland-2, Southeast Irrigated-2, South Central Irrigated-2, South Central Dryland-1, Northeast Dryland-1, Northeast Irrigated-1, Central Irrigated 2, Irrigated-White corn- 2, West Central Irrigated-2, Southwest Irrigated-2, Southwest Ecofallow-3, West Central Ecofallow-2, North Central Irrigated-2, West Valley Irrigated-3, West Table Irrigated-2, West & West Central Short Season Ecofallow-2, and Yellow Food Grade corn-1. In zone analysis, the hybrid by location mean square was used to calculate the differences required for significance shown in the tables. The correlation or r value for the relationship between grain moisture and yield is shown in Table B (page 14). Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs.

### Southeast Dryland

Two trials no-tilled were planted with sixty-four hybrids (pages 18-19). The Cass County trial had very good subsoil moisture and sufficient moisture from germination to late summer. Plant populations were taken before green snap reading were recorded. Farmer entries and their yields were AgSource 6750 @ 134 bu/a, LG Seed LG2583 @ 152 bu/a. Average for all entries was 152 bu/a. Gage county farmer entries and yields were Fontanelle 5306 @ 135 bu/a, Fontanelle 5786 @ 148 bu/a. Some hail damage occurred. Average all entries was 155 bu/a. Period-of-years data are shown on pages 20-21.

### East Central Dryland

Two trials were harvested with sixty-seven hybrids (pages 22-23). In Dodge County the farmer entries and respective yields were Golden Harvest 2547 @ 138 bu/a, Golden Harvest 2493BT @ 134 bu/a. Average for all entries was 128 bu/a. In Butler County the farmer entries were Ciba N64-Z4 @ 142 bu/a, Ciba 5247X @ 139 bu/a. Average for all entries was 152 bu/a. Period-of-years data are shown on page 24.

### Southeast Irrigated

Seward and Merrick County trials had seventy-eight hybrids. The Seward plot farmer entries are Pioneer 3235 @ 207 bu/a, Asgrow AS730 @ 166 bu/a. Average for all entries was 188 bu/a. The Merrick county test plot average of all entries 157 bu/a. Page 26-27. Period-of-years data are shown on pages 28-29.

### South Central Irrigated

Test plots were located in Clay County at the SCREC farm near Clay Center and Buffalo Counties (pages 30-31). The trial included 75 entries with four replications of four rows, thirty inch rows. The Clay county test plot average yield of 179 bu/a and an average moisture of 16.1 percent. Buffalo county average yield of 187 bu/a. Period-of-years data are shown on pages 32-33.

### South Central Dryland

This trial was in Nuckolls County. There were 37 entries in four 30 inch rows with 4 replications. Average of all entries was 81 bu/a. Heavy rain of four inches after planted caused reduced populations in test. Page 34-35.

### Northeast Dryland

Fifty-three hybrids were included in the dryland test in Dixon County (pages 36-37). The plot was planted no-till into dry soil conditions. At the end of May we received around five inches of rain followed by a humid summer with below normal rainfall in June, July and August. The corn did better than expected and had excellent dry down in the field. Average yield of all the entries were 119 bu/a. Period-of-years data are shown on page 38.

### Northeast Irrigated

Cuming County had sixty-seven hybrids were included in the pivot irrigated plot (pages 40-41). Very good growing conditions during season. Plot has high organic matter from cow manure and had nitrogen carry over from year before. High winds before harvest caused broken stalks. Average for all entries were 173 bu/a. 2-, 3-, 4-, and 5-year yields are shown on pages 42.

### Central Irrigated

Fifty-nine hybrids were tested in Custer and Dawson Counties. The Furrow irrigated Custer County test plot averaged 188 bu/a. Farmer entries were Pioneer 34RO6 @ 202 bu/a and Pioneer 3568 @ 181 bu/a. The furrow irrigated Dawson county test averaged 186 bu/a. Farmer entries were LG Seeds LG2583 @ 178 bu/a and LG2624 @ 195 bu/a. The data from these plots are shown on pages 43-44. Over year data are shown on pages 45.

### Southwest Irrigated

Thirty-seven entries were planted in Red Willow and Furnas Counties. Thirty-four entries were harvested in Furnas county. Some plots were

lost due to silage harvested from part of test. Furnas county furrow irrigated plot had an average for all entries of 221 bu/a. Farmer entries: NC+ 5445 @ 231 and NC+ 4919 @ 207 bu/a. Red Willow county furrow irrigated plot averaged 202 bu/a. The farmer entries and yields were Vineyard V424W @ 207 bu/a, Vineyard V453W @ 198 bu/a. Data for this location are shown on pages 46 and 47 for the over years data.

### West Central Irrigated

Yield and other data from thirty-nine hybrids tested in Lincoln and Dundy counties are shown on page 48. Lincoln county furrow irrigated test had high yields averaging 204 bu/a. Wind damage caused broken plants and dropped ears. Dundy pivot irrigated test averages for all entries were 218 bu/a. The farmer entries were Ciba N69-R1 @ 222 bu/a, Ciba N64-24 @ 221 bu/a. Period-of-years data are shown on page 49.

### North Central Irrigated

Sixty-eight hybrids were entered in gravity and center pivot plots in Brown county which is located in the northern part of the sandhills. Furrow irrigated test had an over all average of 198 bu/a. The Pivot irrigated plot was lost due to hail storm on June 30. The 1997 data will be on page 50-51 and 1994-1997 data will be on page 52.

### Southwest Ecofallow

Ten hybrids were tested in Hayes, Red Willow, and Lincoln counties. Hayes county ecofallow corn test averaged 91 bu/a. Red Willow county ecofallow was lost, accidentally cut by custom harvesters for silage. Lincoln county ecofallow average were 105 bu/a. The data from these two locations and over year tests are shown on pages 53-54.

### West Valley Irrigated

The Scotts Bluff, Morrill, and Torrington, Wyoming plots had eighteen hybrid entries. Scotts Bluff average for all entries were 198 bu/a. Excellent growing conditions all year, with limited disease problems. Season about average and fall much longer which aided corn to dry down and mature. The Torrington, Wyoming plot was destroyed by deer and raccoon damage. Morrill County had very dry conditions at planting time reduced the stand. Then the season was about normal until fall, which was longer and much warmer than usual. This aided maturity of the longer season corn and helped with an early harvest. Data shown on page 55. Period-of-years yield and other data are shown on page 57.

### West Table Irrigated

Irrigated trials were in Box Butte and Cheyenne. Thirteen hybrids at each location (page 56). West table area has a higher elevation land which requires an earlier maturing hybrid than valley land. Cheyenne county average of all entries were 111 bu/a. The year was about normal and a warm August helped to speed up maturity. A hail storm, August 19, caused about 30% damage. The crop rapidly matured then, and hail probably is the cause of the large amount of lodging. Box Butte farmer entries were Cargill 2427 @ 152 bu/a, 1877 @ 144 bu/a, 1907 @ 149 bu/a. Average of all varieties were 157 bu/a. Season was about normal until fall, which was longer and much warmer than usual. This aided maturity of the longer season corn and helped with an early harvest. This is the fifth year for this plot. Period-of-years averages are included on page 57.

### Early Maturing Ecofallow

Plots planted in Lincoln and Cheyenne Counties tested seven of the earlier hybrids in an ecofallow system. Rotation system was fallow-winter wheat-corn planted into the standing wheat stubble. Lincoln county test plot averaged 94 bu/a for all entries. Plot planted through very heavy wheat straw. The Cheyenne county plot had hail damage on August 19, about 30%. Above normal rainfall. Averages of all entries were 54 bu/a. Results of two tests and period-of-years are shown on page 56.

### Central White Corn Test

The Clay County plot was planted at the SCREC farm. The trial included 48 white corn entries and four yellow checks. Average yield of 148 bu/a and an average moisture of 22.0 percent moisture. The Dawson County trial included 56 entries. Average for all entries were 131 bu/a. Data from these plots are on page 58. Over year data are shown on page 59-60.

### Central Yellow Food Grade Corn Test

Dawson county had 25 entries in the test. Average yields of all entries were 175 bu/a. Data from this plot are shown on page 61.

## Cultural Practices

**Cass**: Dryland. No-till previous 5 years. Crop history: 1995 corn, 1996 soybeans. Preplant 150 lbs of Nitrogen. Herbicide: .25 oz Frontier, 2 qt Extrazine II, .5 qt Atrazine/a. Insecticide: None. Cultivations: None. Hand hoed plot. Gray leaf spot problems late in season.

**Gage**: Dryland. Disced and field cultivated. Previous crops: 1995 soybeans, 1996 wheat. Preplant: Anhydrous 124 lbs. Preplant incorporated herbicide: 2 qt Harness Extra. Postemergence: 1/3 oz Accent, 1/2oz Exceed, 1 qt crop oil + 2 lb ammonium sulfate/a. Insecticide: None. Cultivation: None. Hand hoed plot.

**Dodge**: Dryland. Previous crop: corn. Fertilizer: 100 lb N. Herbicide: Bullet 1.5 qt banded. Accent + oil. Insecticide: None. Cultivated twice. Hand hoed plot.

**Butler**: Dryland. Previous crops: 1995 corn, 1996 soybeans. Fertilizer: Anhydrous 120 lb/a. Starter 9-18-9+Zn. Herbicide: Bicep II. Insecticide: None. Disced 2 inch depth to cut stubble soybeans. Snowed 12 inches + wind blow for two days up to 60 mph caused broken stalks and dropped ears, increased harvest losses.

**Seward**: Furrow Irrigated. Previous crops: 1995 corn, 1996 soybean. Preplant: 180 lbs N. Starter application: Five gallons 10-34-0. Herbicide: Accent. Insecticide: Force, sprayed Capture on July 20 for spider mite. Three irrigations. Disced twice. Wind damage caused green snap in June and Sept. Hand hoed plot.

**Merrick**: Irrigated. 140 lb N as anhydrous. Preplant: 10 gal of 8-2-0-7 S. Sidedress: 20-0-10. HarnessXtra 1.8 qt. Double disced and field cultivated.

**Clay** Irrigated: Fertilizer 135 lb N. 3.2 qt Surpass 100. Heavy rain after planted had break the crust. Slot planted.

**Buffalo**: Irrigated. 190 lb N + 40 lb K. 3 qt Surpass 100. Double disced. 55% leaf loss in late July from hail damage.

**Nuckolls**: Dryland. 125 lb N. 2.2 qt Bicep. Heavy rain caused reduced populations. Disced and field cultivated.

**Dixon**: Dryland. Crop history: 1995 corn. 1996 soybean. Fertilizer: 150 lbs/a of nitrogen was applied using dry fertilizer (46-0-0). Herbicide: Extrazine 3 lb/a. applied May 14. 2-4,D 1 pt/a applied July 2. Insecticide: Lorsban 5 lbs/a, July 13, for first generation European Corn Borer. Tillage: Planted no-till into soybean stubble; cultivated June 19,1997.

**Cuming**: Irrigated. Crop history: 1995 corn, 1996 corn. Fertilizer: 35 lb/a of liquid N + 60 lb/a N in pivot irrigation system. Dual II post with fertilizer. Insecticide: Pounce for 2nd generation corn bore. Nitrogen carry over from year before. Plot has high organic matter content from cow manure.

**Custer**: Furrow Irrigated. Planted in 36 inch rows. Crop history: 1995 and 1996 corn. 30 lb/a N, 30 lb/a P, 10 lb/a S, 1 lb/a Zn at planting; Floated on 60 lb/a N + 10 lb/a S with herbicide; 90 lb/a N at

cultivation. Herbicide: Bladex at 2 lb/a + Atrazine at 1 lb/a preemergence. Insecticide: Lorsban 15G at 8 oz/1000 ft of row at planting.

**Dawson**: Furrow Irrigated. Crop history: 1995 and 1996 corn. Fertilizer: 110 lb/a N as anhydrous preplant, 6 gal/a 10-34-0 + 4 gal/a 28-0-0 at planting. Herbicide: Bicep II at 2.3 qt/a broadcast equivalent in 16 inch band. Lorsban 15G at 8 oz/1000 row feet at planting, Force 1.5G at cultivation. Plot crusted over after planting. A crustbuster was used to break up the crust.

**Furnas**: Furrow Irrigated and ridge planted into stalks. Crop history: 1995 corn, 1996 soybeans. Fertilizers: 150 lb/a N as anhydrous + 10.5 gal/a 10-34-0 preplant. 5.25 gal/a 10-34-0 at planting. Herbicides: Basis Gold banded postemergence. Insecticide: None.

**Red Willow**: Furrow Irrigated and ridge planted into stalks. Crop history: 1995 and 1996 corn. 140 lb/a N as anhydrous + 7 gal/a 10-34-0 preplant. 3 gal 10-34-0 at planting. Herbicide: Sutan+ at 2 pt/a in a 14 inch band at planting, .5 pt/a Banvel + 1 lb/a Atrazine post. Insecticide: 2 lb/a Counter 15G at planting; Pencap M for corn borer and spider mites.

**Hayes**: Ecofallow. Crop history: 1995 fallow, 1996 wheat. No-till into wheat stubble. Fertilizer: 50 lb/a N + 20 lb/a P at planting. Fall treatment: Gramoxone + 1.5 lb/a Atrazine + 2,4-D; Spring preplant: Gramoxone + 1.5 lb/a Atrazine + 2,4-D. Insecticide: Lorsban 15G 8 oz/1000 row feet at planting. All corn plots planted at 31,600 seeds/a, ecofallow plots thinned to 13,000 to 15,000 plants/a.

**Red Willow**: Ecofallow. Crop history: 1995 fallow, 1996 winter wheat. No-till into wheat stubble. 75 lb/a N preplant. Herbicide: Dual at 2 pt/a Preplant. Insecticide: Lorsban 15G 8 oz/1000 row feet at planting.

**Lincoln**: Ecofallow. Crop history: 1995 fallow, 1996 winter wheat. Applied 60 lb/a N preplant. Herbicide: Atrazine + Paraquat on wheat stubble in fall. Landmaster prior to planting. Insecticide: None. No-till into wheat stubble.

**Brown**: Furrow Irrigated. Crop history: 1995 corn, 1996 corn. Fertilizer: 30 lb/a N + 30 lb/a P + 6 lb/a S, as starter. 160 lb/a N as anhydrous, sidedressed. Herbicide: Dual II at 2.4 pt/a preplant. Insecticide: Force 3G at 3.4 lb/a at planting. Capture for second generation corn borer.

**Brown**: Pivot Irrigated. Crop history: corn 1995, soybean 1996. Fertilizer: At planting, 22 lb/a N + 35 lb/a P + 18 lb/a S + 1 lb/a Zn. 10 gal/a 28-0-0 with herbicide. 118 lb/a N anhydrous, sidedressed. Herbicide: Bicep II at 2.4 qt/a preemergence. Insecticide: Lorsban 15G at 8 oz/a 1000 ft of row; Fortress at 5 lb/a. Plot received 24% hail damage on June 30. Plot was not harvest due to hail loss.

**Lincoln** Irrigated. Crop history: 1995 corn, 1996 corn. Applied 180 lb/a N as anhydrous ammonia. 8 gal of 10-34-0 + 1% zinc at planting. Herbicide: Landmaster preemergence. Insecticide: None.

**Dundy**: Pivot Irrigated. Crop history: 1995 corn, 1996 corn. Total fertilizer (lb/acre): 241 N, 43 P, 29 K, 52 S, 3 Zn. All fertilizer either banded at planting, sidedressed at cultivation, or through the center pivot. Herbicides: Basis Gold at 14 oz/a; Hornet at 1.6 oz/a - tank mixed and applied aerially on May 31. Insecticide: Furadan at 1 qt/a on June 26, Pencap M at 3.5 pt/a on August 21, both applied aerially. Lorsban 15G at 8 oz/1000 ft at planting.

**Box Butte**: Pivot Irrigated. Crop history: 1996 corn. Fertilizer: 35 N + 30 P + 2 Zn + 10 lb S/a as starter. 115 lb/a N using sprinkler system. Clarity. Insecticide: None.

**Cheyenne**: Irrigated: 1996 oats. Fertilizer: preplant, 150 lb/a; at planting, 10 lb N + 24 lb P + 7 lb S + .75 lb Zn. Herbicide: .75 lb Atrazine, .75 qt Dual. Insecticide: None.

**Scotts Bluff**: Pivot Irrigated. Crop history: 1997 corn. 115 lb N in sprinkler system. As starter: 35 lb N + 30 lb P + 2 lb Zn + 10 lb S/a. Herbicide: Clarity.

**Morrill**: Irrigated. Crop history: corn - 1996. Fertilizer: Starter 13 lb N + 33 lb P +5 lb S + 1 lb Zn. 150 lb N thru sprinkler system. Herbicide: Lasso- Bladex. Insecticide: Counter. Stand count at 27,500 due to dry planting conditions.

**Torrington, Wyoming**: Irrigated. Plot was destroyed by deer and coon.

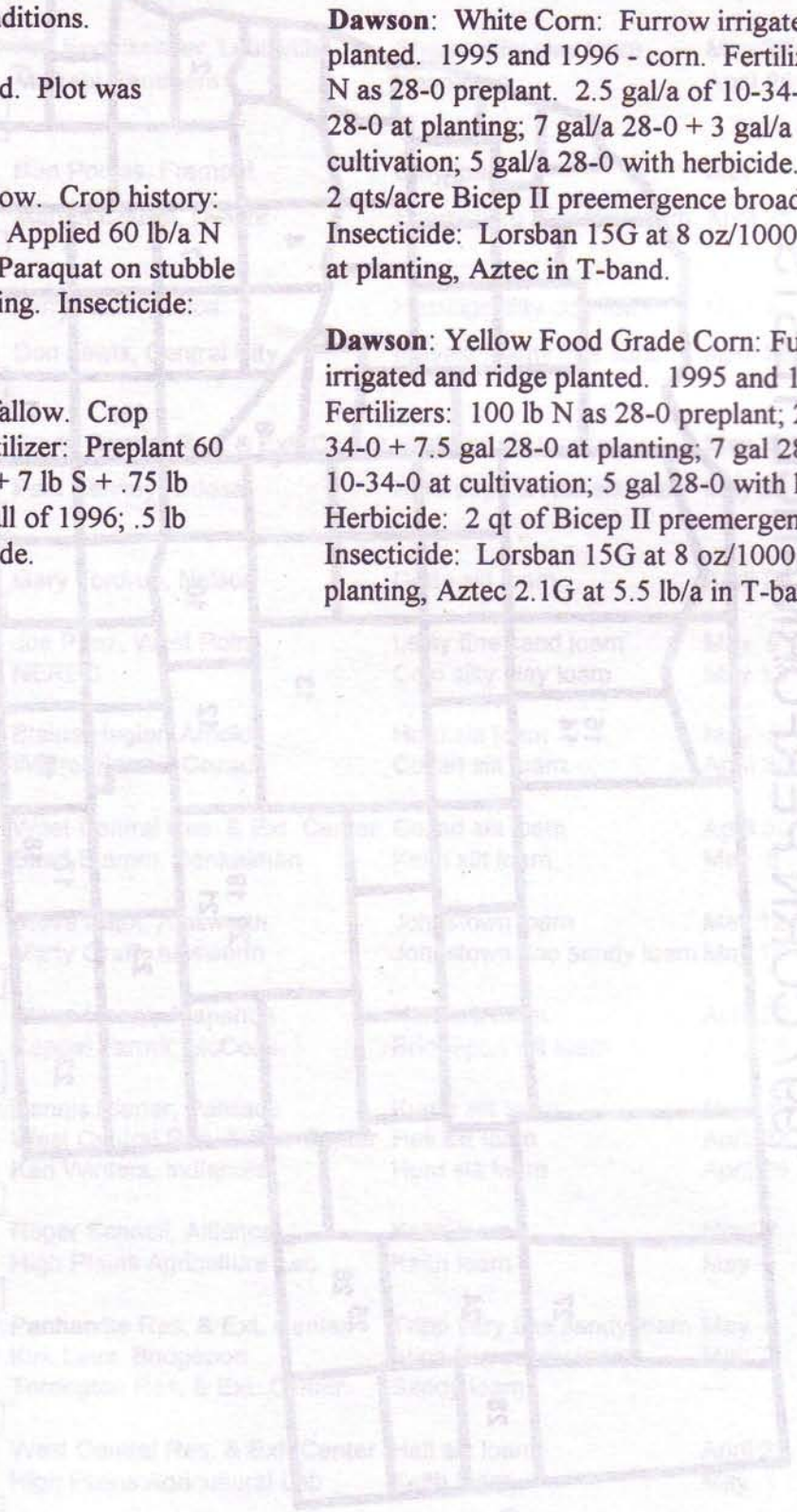
**Lincoln**: Early Maturing Ecofallow. Crop history: 1995 fallow, 1996 winter wheat. Applied 60 lb/a N preplant. Herbicide: Atrazine + Paraquat on stubble in fall. Landmaster prior to planting. Insecticide: None.

**Cheyenne**: Early Maturing Ecofallow. Crop history: 1996 winter wheat. Fertilizer: Preplant 60 lb. At planting 10 lb N + 24 lb P + 7 lb S + .75 lb Zn/a. Herbicide: 1 lb Atrazine fall of 1996; .5 lb Atrazine May 1997. No Insecticide.

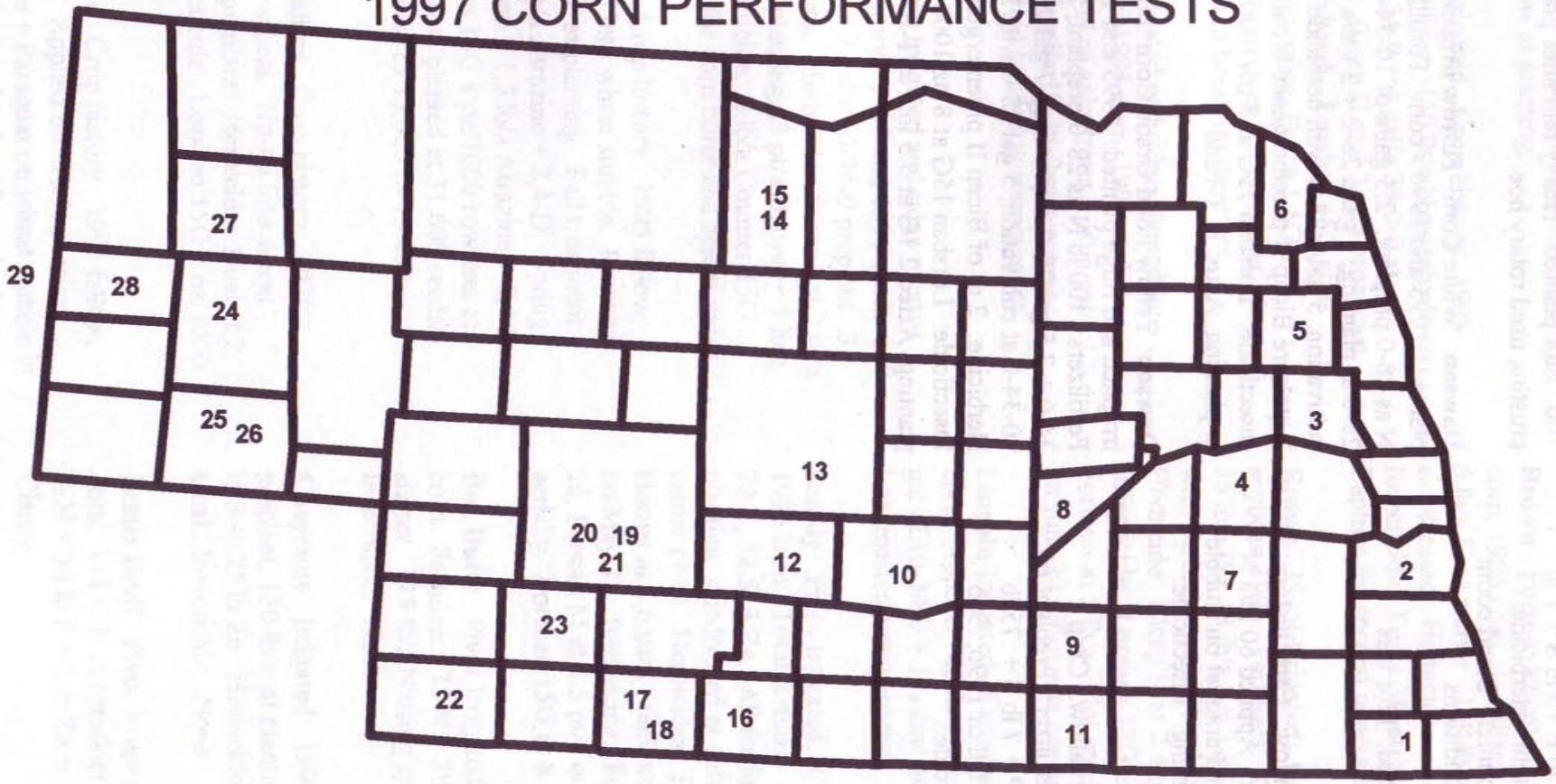
**Clay**: White corn. 135 lb Nitrogen. 3 qt Surpass 100. Slot planted. Heavy rain after planting caused crusting used rotary hoe.

**Dawson**: White Corn: Furrow irrigated and ridge planted. 1995 and 1996 - corn. Fertilizers: 100 lbs N as 28-0 preplant. 2.5 gal/a of 10-34-0 + 7.5 gal/a 28-0 at planting; 7 gal/a 28-0 + 3 gal/a 10-34-0 at cultivation; 5 gal/a 28-0 with herbicide. Herbicide: 2 qts/acre Bicep II preemergence broadcast. Insecticide: Lorsban 15G at 8 oz/1000 foot of row at planting, Aztec in T-band.

**Dawson**: Yellow Food Grade Corn: Furrow irrigated and ridge planted. 1995 and 1996 - corn. Fertilizers: 100 lb N as 28-0 preplant; 2.5 gal of 10-34-0 + 7.5 gal 28-0 at planting; 7 gal 28-0 + 3 gal 10-34-0 at cultivation; 5 gal 28-0 with herbicide. Herbicide: 2 qt of Bicep II preemergence. Insecticide: Lorsban 15G at 8 oz/1000 ft at planting, Aztec 2.1G at 5.5 lb/a in T-band.



# NEBRASKA CORN TEST LOCATIONS
## 1997 CORN PERFORMANCE TESTS



## Table A. Locations, Cooperators, Soil Types, Planting and Harvest Dates - 1997

| Location | Cooperator | Soil Type | Planted | Harvested |
|---|---|---|---|---|
| **Southeast Dryland** | | | | |
| Cass | Jim Engelkemier, Louisville | Sharps silty clay loam | May 29 | Oct. 23 |
| Gage | Mickael Remmers | Kennebec | April 25 | Oct. 18 |
| **East Central Dryland** | | | | |
| Dodge | Ron Poulas, Fremont | Clay loam | May 9 | Oct. 17 |
| Butler | Marvin Cousal, Dwight | Sharpsburg silty clay loam | April 28 | Nov. 4 |
| **Southeast Irrigated** | | | | |
| Seward | Larry Naber, Utica | Hastings silty clay loam | May 6 | Oct. 21, 22 |
| Merrick | Don Lewis, Central City | Inavale loamy fine sand | April 28 | Oct. 9, 10 |
| **South Central Irrigated** | | | | |
| Clay | South Central Res. & Ext. Center | Hastings silt loam | May 5 | Sept. 17, 18 |
| Buffalo | Paul Kenney, Odesa | Holdredge & Hall silt loam | May 25 | Oct. 20 |
| **South Central Dryland** | | | | |
| Nuckolls | Gary Tordrup, Nelson | Crete silt loam | April 29 | Oct. 7, 8 |
| **Northeast** | | | | |
| Cuming Irrigated | Joe Prinz, West Point | Leisy fine sand loam | May 9 | Oct. 15 |
| Dixon Dry land | NEREC | Colo silty clay loam | May 13 | Oct. 9 |
| **Central Irrigated** | | | | |
| Custer | Blaine Hagler, Arnold | Hord silt loam | May 5 | Oct. 6 |
| Dawson | Worrel Farms, Cozad | Cozad silt loam | April 30 | Oct. 17 |
| **West Central Irrigated** | | | | |
| Lincoln | West Central Res. & Ext. Center | Cozad silt loam | April 30 | Oct. 23 |
| Dundy | Shad Stamm, Benkelman | Keith silt loam | May 6 | Oct. 22 |
| **North Central Irrigated** | | | | |
| Brown Furrow | Steve Bejot, Ainsworth | Johnstown loam | May 12 | Oct. 23 |
| Brown (c. pivot) | Marty Graff, Ainsworth | Johnstown fine sandy loam | May 12 | Not harvested |
| **Southwest Irrigated** | | | | |
| Furnas | Steve Henry, Arapahoe | Hord silt loam | April 22 | Sept.29 |
| Red Willow | Cappel Farms, McCook | Bridgeport silt loam | April 25 | Oct.10 |
| **Southwest Ecofallow** | | | | |
| Hayes | Dennis Riener, Palisade | Kuma silt loam | May 6 | Oct. 10 |
| Lincoln | West Central Res. & Ext. Center | Hall silt loam | April 22 | Oct. 30 |
| Red Willow | Ken Winters, Indianola | Hord silt loam | April 25 | Oct. 10 |
| **West Table Irrigated** | | | | |
| Box Butte | Roger Schnell, Alliance | Keith loam | May 7 | Oct. 17 |
| Cheyenne | High Plains Agriculture Lab | Keith loam | May 1 | Oct. 11 |
| **West Valley Irrigated** | | | | |
| Scotts Bluff (furrow) | Panhandle Res. & Ext. Center | Tripp very fine sandy loam | May 8 | Oct. 21 |
| Morrill | Kirk Laux, Bridgeport | Alice fine sandy loam | May 7 | Oct. 18 |
| Torrington, WY | Torrington Res. & Ext. Center | Sandy loam | --- | Not harvested |
| **West Early Ecofallow** | | | | |
| Lincoln | West Central Res. & Ext. Center | Hall silt loam | April 22 | Oct. 30 |
| Cheyenne | High Plains Agricultural Lab | Keith loam | May 1 | Oct. 4 |
| **Food Grade Corn** | | | | |
| Clay - White | South Central Res. & Ext. Center | Hastings silt loam | April 29 | Oct. 6 |
| Dawson-White, Yellow | Mark Aden, Gothenburg | Cozad silt loam | April 28 | Oct. 21 |

# Table B. Average performance at each location.

| Location | Row Spacing Inches | Plant Spacing Inches | Plants Per Acre | Yield C.V. % | Grain 1 Yield Bu/A | Harvest Moisture % | Broken Plants % | Dropped Ears % | Yield 2 Moisture Corrltn |
|---|---|---|---|---|---|---|---|---|---|
| **Southeast Dryland** | | | | | | | | | |
| Cass | 30 | 11.6 | 18000 | 10.6 | 152 | 15.5 | 2 | 0 | .25* |
| Gage | 30 | 11.6 | 18000 | 8.7 | 154 | 15.0 | 2 | 1 | .31* |
| **Southeast Irrigated** | | | | | | | | | |
| Seward | 30 | 7.5 | 28000 | 9.8 | 187 | 16.5 | 9 | 0 | .43** |
| Merrick | 30 | 7.0 | 30000 | 10.8 | 157 | 18.0 | 7 | 1 | .02NS |
| **East Central Dryland** | | | | | | | | | |
| Dodge | 30 | 11.6 | 18000 | 9.0 | 128 | 15.4 | 2 | 1 | .08NS |
| Butler | 30 | 9.2 | 18000 | 11.1 | 151 | 16.9 | 11 | 1 | -.25* |
| **South Central Irrigated** | | | | | | | | | |
| Clay | 30 | 7.0 | 30000 | 6.8 | 179 | 16.1 | 6 | 13 | .11NS |
| Buffalo | 30 | 7.0 | 30000 | 9.1 | 187 | 17.0 | 11 | 2 | .02NS |
| **South Central Dryland** | | | | | | | | | |
| Nuckolls | 30 | 11.6 | 18000 | 18.5 | 81 | 14.9 | 5 | 2 | .09NS |
| **Northeast** | | | | | | | | | |
| Cuming Irrigated | 30 | 8.4 | 25000 | 9.0 | 174 | 17.1 | 9 | 0 | .19NS |
| Burt Dryland | 30 | 12.3 | 17000 | 11.1 | 119 | 18.0 | --- | --- | .49** |
| **Central Irrigated** | | | | | | | | | |
| Custer | 30 | 7.0 | 30000 | 8.7 | 188 | 29.3 | 1 | 0 | -.55** |
| Dawson | 36 | 5.8 | 30000 | 7.2 | 186 | 16.3 | 7 | 1 | .32* |
| **West Central Irrigated** | | | | | | | | | |
| Lincoln | 30 | 8.6 | 24400 | 6.6 | 204 | 12.4 | 13 | 2 | .58** |
| Dundy | 30 | 7.0 | 30000 | 8.0 | 218 | 15.2 | 6 | 0 | .06NS |
| **North Central Irrigated** | | | | | | | | | |
| Brown (furrow) | 30 | 7.0 | 30000 | 6.9 | 198 | 16.5 | 6 | 1 | .44** |
| **Southwest Irrigated** | | | | | | | | | |
| Furnas | 30 | 7.0 | 30000 | 7.9 | 221 | 19.4 | 2 | 1 | .23NS |
| Red Willow | 36 | 5.8 | 30000 | 9.4 | 202 | 15.9 | 16 | 0 | .08NS |
| **Southwest Ecofallow** | | | | | | | | | |
| Hayes | 30 | 13.9 | 15000 | 13.4 | 91 | 13.9 | 7 | 2 | .21NS |
| Lincoln | 30 | 15.0 | 13910 | 7.2 | 105 | 16.4 | 4 | 5 | .47NS |
| **West Table Irrigated** | | | | | | | | | |
| Box Butte | 30 | 6.3 | 33000 | 5.7 | 156 | 20.2 | 1 | -- | .05NS |
| Cheyenne | 30 | 6.3 | 33000 | 4.8 | 110 | 13.6 | 11 | -- | .61* |
| **West Valley Irrigated** | | | | | | | | | |
| Scotts Bluff | 30 | 6.3 | 33000 | 5.8 | 198 | 17.0 | 1 | -- | .63** |
| Morrill | 30 | 6.3 | 33000 | 9.7 | 155 | 15.0 | 1 | -- | .30NS |
| **West Early Ecofallow** | | | | | | | | | |
| Lincoln | 30 | 15.0 | 13910 | 7.4 | 94 | 11.4 | 7 | 7 | .59NS |
| Cheyenne | 30 | 15.7 | 13300 | 9.8 | 54 | 14.9 | -- | -- | .51NS |

1 Machine harvest.

2 Correlations between moisture at harvest and acre grain yield - NS,*,** = nonsignificant and significant at 5% and 1% levels, respectively. Negative values indicate that lower moisture was associated with higher yields.

# Table C. Corn performance. Average for entries over years within areas. Five years. 1993-1997.

| Test | Year | Yield bu/a | Moisture % | Broken % | Dropped % | Bushel weight |
|---|---|---|---|---|---|---|
| **Southeast Dryland** (2 hybrids) | 1993 | 136.0 | 19.6 | 2.0 | 2.0 | 58.3 |
| | 1994 | 163.0 | 17.1 | 3.0 | 1.0 | 58.6 |
| | 1995 | 134.0 | 16.4 | 1.0 | 0.0 | 58.7 |
| | 1996 | 177.0 | 17.8 | 1.0 | 0.0 | 56.9 |
| | 1997 | 149.0 | 15.0 | 2.0 | 0.0 | 59.5 |
| **Southeast Irrigated** (2 hybrids) | 1993 | 134.0 | 23.6 | 9.0 | 1.0 | 56.5 |
| | 1994 | 191.0 | 20.4 | 3.0 | 1.0 | 57.4 |
| | 1995 | 154.0 | 23.6 | 4.0 | 1.0 | 55.9 |
| | 1996 | 165.0 | 20.2 | 1.0 | 0.0 | --- |
| | 1997 | 172.0 | 19.9 | 8.0 | 1.0 | 59.6 |
| **East Central Dryland** (3 hybrids) | 1993 | ---- | ---- | ---- | ---- | --- |
| | 1994 | 178.0 | 16.7 | 3.0 | 1.0 | 58.8 |
| | 1995 | 104.0 | 21.8 | 7.0 | 1.0 | 57.5 |
| | 1996 | 167.0 | 17.2 | 0.0 | 0.0 | 57.7 |
| | 1997 | 145.0 | 16.3 | 6.0 | 2.0 | 59.8 |
| **Northeast Irrigated** (1 hybrids) | 1993 | 192.0 | 21.5 | 1.0 | 0.0 | --- |
| | 1994 | 140.0 | 16.4 | 9.0 | 0.0 | --- |
| | 1995 | 118.0 | 14.6 | 14.0 | 4.0 | --- |
| | 1996 | 193.0 | 20.0 | 9.0 | 0.0 | --- |
| | 1997 | 175.0 | 16.7 | 15.0 | 0.0 | --- |
| **North Central Irrigated** (1 hybrids) | 1993 | ---- | ---- | ---- | ---- | --- |
| | 1994 | 194.0 | 21.8 | 3.0 | 0.0 | 53.7 |
| | 1995 | 137.0 | 17.8 | 3.0 | 1.0 | 52.4 |
| | 1996 | 217.0 | 16.3 | 1.0 | 0.0 | 53.2 |
| | 1997 | 202.0 | 16.4 | 3.0 | 4.0 | 55.8 |
| **Central Irrigated** (1 hybrids) | 1993 | 176.0 | 23.8 | 11.0 | 1.0 | 53.2 |
| | 1994 | 234.0 | 27.9 | 1.0 | 0.0 | 54.1 |
| | 1995 | 141.0 | 25.0 | 2.0 | 0.0 | 50.2 |
| | 1996 | 168.0 | 20.5 | 1.0 | 1.0 | 54.4 |
| | 1997 | 151.0 | 30.2 | 6.0 | 3.0 | 55.5 |
| **Southwest Irrigated** | 1993 | 176.0 | 20.0 | 7.0 | 0.0 | 54.8 |
| | 1994 | 223.0 | 18.0 | 1.0 | 0.0 | 56.7 |
| | 1995 | 174.0 | 18.5 | 14.0 | 1.0 | 58.9 |
| | 1996 | 191.0 | 16.0 | 5.0 | 0.0 | 55.5 |
| | 1997 | 228.0 | 18.7 | 8.0 | 0.0 | 56.0 |
| **West Central Irrigated** (3 hybrids) | 1993 | --- | --- | --- | --- | --- |
| | 1994 | 177.0 | 14.6 | 4.0 | 1.0 | 59.6 |
| | 1995 | 177.0 | 19.0 | 6.0 | 1.0 | 51.8 |
| | 1996 | 159.0 | 18.1 | 4.0 | 1.0 | 52.3 |
| | 1997 | 208.0 | 14.2 | 12.0 | 2.0 | 58.8 |
| **West Central Ecofallow** (1 hybrid) | 1993 | --- | --- | --- | --- | --- |
| | 1994 | 99.0 | 20.9 | 1.0 | 0.0 | 57.0 |
| | 1995 | 38.0 | 21.8 | 10.0 | 3.0 | 50.7 |
| | 1996 | 94.0 | 33.5 | 3.0 | 2.0 | 51.1 |
| | 1997 | 91.0 | 17.9 | 10.0 | 7.0 | 56.6 |

# Table D. Nebraska Corn Test Entrants. 1997.

| Brand | Entrant | Address |
|---|---|---|
| ----- | Agricultural Research Div., UNL | Lincoln, NE 68583 |
| Bo-Jac Seed | Bo-Jac Seed Company | 245 1500th Ave. Mt. Pulaski, IL 62548-6508 |
| Cargill | Cargill Hybrid Seeds | P.O. Box 5645, Minneapolis, MN 55440 |
| Crow's | Crow's Hybrid Corn Company | P.O. Box 306, Milford, IL 60953 |
| Dekalb Genetics | DEKALB Genetics Corporation | 3100 Sycamore Rd, DeKalb,IL 60115 |
| Federal Hybrids | Federal Hybrids | 5420 - 35th Av., Marion, IA 52302 |
| Fontanelle | Fontanelle Hybrids | 10981 8St, Nickerson, NE 68044-9706 |
| FTEX Brand | FTE-Frontier Seeds | 980 Highway 15, Hope, KS 67451 |
| Garst | Garst Seed Company | 123 Milan, Ravenna, NE 68869 |
| Geertson Seed | Geertson Seed Farm | 1665 Burraighs Rd, Adrian, OR |
| Giant | Giant Seed Company | 1638 SRR 12, Portales, NM 88130 |
| Grand Valley | Grand Valley Hybrids | 840 23 Road, Grand Junction, CO 81505 |
| Hawkeye Hybrids | Hawkeye Hybrids, Inc. | 2165 Idaho Drive, Pella, IA 50219 |
| Hy-Vigor | Hy-Vigor Seeds, Inc. | 4970 Redwood Ave, Paullina, Ia 51046 |
| Jacobsen | Jacobsen Hybrid Corn Co., Inc. | 129- 9th St. Box 379, Lake View, IA 51450 |
| Kaystar | Kaystar Seed | P.O. Box 947, Huron SD 57350 |
| Kruger | Kruger Seed Company | Highway 20 East, Dike Iowa 50624 |
| KSC/Challenger | KSC/Challenger | Box A, Dike, IA 50624 |
| Lewis | Lewis Hybrids, Inc. | P.O. Box 38 / W. Maple St., Ursa, IL 62376 |
| LG Seeds | LG Seeds-Tekamah Service Center | 3551 County Rd. F Box 88, Tekamah, NE 68061 |
| Midwest (M/W) | Midwest Seed Genetics, Inc | 213 E 6th St. Box 518, Carroll, IA 51401 |
| Miller Preferred (MP) | Miller Preferred Seed | P.O. Box 81823, Lincoln, NE 68501 |
| Mycogen | Mycogen Seeds | RR1 Box 22A, York, NE 68467 |
| NC+ | NC+ Hybrids | Box 4408, Lincoln, NE 68504 |
| Ottilie | Ottilie RO Seed | 1462 Sanford Ave., Marshalltown, Iowa 50158 |
| Pfister | Pfister Hybrid Corn Co. | P.O. Box 187, El Paso, IL 61738 |
| Premium | 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, Iowa 51035 |
| Sucrosco Seeds | Sucrosco Seeds | Box 309-353 Main, Manilla IA 51454 |
| Terra | Terra | P.O. Box 6000, Sioux City, IA 51102-6000 |
| Triumph | Triumph Seed Co., Inc. | P.O.Box 1050, Ralls, TX 79357 |
| Wilson | Wilson Seeds, Inc. | P.O. Box 391, Harlan, IA 51537 |

# Table E. Brand name and hybrids of each entrant

| Brand | Hybrids |
|---|---|
| UNL-Corn Genetics | B73 X N204 |
| BO-JAC SEED | 409, 580, 2801, 415, 3607 |
| CARGILL | X5606, 6303, 7777, 6997, 2777, 3677, 6888, 7770, 4111, 4277, 8011, 8311 |
| CIBA SEEDS | 454## |
| CROW'S | 668, 445, 496, 685, 366, 395, 550 |
| CURRY | 2182## |
| DEKALB GENETICS | DK477, DK559, DK586, DK385B, DK417, DK449, DK521, DK595, DK618, DK632, DK641, DK668, DK591##, DK569, DK580##, DK493, DK442, DK566 |
| FTEX | 96117A, 96118A |
| FEDERAL HYBRIDS | FX39F |
| FONTANELLE | 4193, 5325##, 5335, 5306, 5117, 4997, 4966, 3946, 4567, 5567, 5786 |
| GARST SEED CO | 8342, 8464, 8541IT |
| GEERTSON SEED | GS-1007, GS-1067, GS-907, GS-957 |
| GIANT | GB 3145, GB 3147, GB 3175, GB 3097 |
| GOLDEN HARVEST | H-2502##, H-2547##, H-2581## |
| GRAND VALLEY | SX1167, SX1215, GVX7297, SX1218, SX1231 |
| HAWKEYE HYBRIDS | SX81, SX44A, SX55, SX76, 96-250, 96-500, 96-601 |
| HY-VIGOR | 7050, 6880, 7035, 7500 |
| JACOBSEN | JS56, JS4855, JS4848, JS4532, JS4635 |
| KAYSTAR | KX-777, X7106, KX-808, KX-625, KX-575 |
| KRUGER | K-9620, K-9614A, K-9616B, K-9709, K-9716, K-9618, K-9818A, K-9819, K-9711+, K-9513, K-9715+, K-9716+, K-9806, K-9811+, K-9813, K-9813B, K-9816, K-9818+, K-9915 |
| KSC/CHALLENGER | K-9513, K-9616B, K-9620, K-9709, K-9711+, K-9715+, K-9716, K-9806, K-9807, K-9811+, K-9812, K-9614A, K-9816, K-9818+, K-9818A, K-9906, K-9910, K-9915, K-9712+, K-9713 |
| LEWIS | 4466, 5446 |
| L G SEEDS | LG2705, LG2560, LG2583, LG2579, LG2624, LG2574, LG2726, LG2539, LG2637 |
| MIDWEST GENETICS | G 8511, G 8440, G 8771, G 7636, G 8452, G 8699, G 7711 |
| MILLER PREFERRED | MP1131, MP1161, MP1123, MP1154, MP1133, MP1134, MP1063, MP1072, MP1022 |
| MYCOGEN | 7250, 2275, 2395, 2545, 2828, 2888, 2821, 2674, 2677, 2725, 2815, 2500 |
| NC+ | 4275 ##, 4616, 4919, 5037##, 4880, 5697 |
| NORTHRUP KING | N7333 ## |
| OTTILIE | 2431, 2453, 2467, 2482X, 2439, 4810, 5050, 5460, 5550 |
| PFISTER | 3049, 3977, 2680, 2025 |
| PIONEER | 3162##, 3394##, 3489##, |
| PREMIUM | P230, P214, P264 |
| RENZE | 6345, 6425, 6386, 6416, 6287, 6506, 814W, 6167, 6327, 6337, 6349, 6357, 6397, 815W |
| SANDS | SOI 9045, SOI 9115, SOI 9126, SOI 9146, SOI 9137, SOI 9128, SOI 9087, SOI9158 |
| SUCROSCO SEEDS | 9610, 9615, 9510 |
| TERRA | TR1167, TR1087, TR1106, TR1157, TR1066, TR1097, TR702, E1088, E1128, E1186 |
| TRIUMPH | 2010, 1522, 1514, 1220, 1141 |
| WILSON | 1581, 1664, 1719, 2335, 1390, 1435, 1438, 1570, 1644, 1792, 1394, 1468 |

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

# Southeast Dryland Corn Hybrid Tests
# Cass and Gage Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Cass bu/a | Gage bu/a | pct | pct | pct | lb/bu |
| MYCOGEN | 2888 | 173 | 161 | 184** | 16.4 | 3 | 1 | 59.7 |
| LG SEEDS | LG 2624 | 169 | 163 | 175* | 16.2 | 4 | 0 | 60.1 |
| HAWKEYE | SX81 | 169 | 163 | 175* | 15.1 | 2 | 0 | 58.9 |
| WILSON | 2335 | 168 | 170** | 166* | 16.6 | 1 | 0 | 58.4 |
| LYNKS | 2815 | 166 | 161 | 171* | 15.0 | 1 | 1 | 58.0 |
| FONTANELLE | 5567 | 166 | 162 | 169* | 15.1 | 5 | 0 | 59.3 |
| KRUGER | K9620 | 164 | 158 | 169* | 16.1 | 3 | 0 | 60.0 |
| CARGILL | 8311 | 164 | 155 | 173* | 15.4 | 4 | 1 | 58.4 |
| KRUGER | K-9715+ | 163 | 155 | 170* | 15.4 | 1 | 0 | 59.0 |
| MILLER PREF | MP1161 | 162 | 162 | 162 | 15.5 | 2 | 0 | 59.1 |
| CARGILL | 7770 | 162 | 169 | 154 | 15.2 | 2 | 1 | 60.5 |
| OTTILIE | 5460 | 161 | 165 | 156 | 14.8 | 3 | 0 | 59.1 |
| DEKALB Genetics | DK641 | 161 | 164 | 158 | 14.9 | 3 | 0 | 59.4 |
| TERRA | TR702 | 160 | 168 | 151 | 16.4 | 1 | 0 | 58.7 |
| LG SEEDS | LG 2726 | 160 | 151 | 168* | 15.4 | 5 | 1 | 59.4 |
| MYCOGEN | 7250cb | 159 | 158 | 159 | 14.8 | 2 | 0 | 58.3 |
| GOLDEN HARVEST | H-2581## | 159 | 163 | 155 | 14.9 | 2 | 1 | 58.1 |
| TERRA | E1128 | 158 | 154 | 162 | 15.0 | 2 | 1 | 60.5 |
| RENZE | 6506 | 158 | 162 | 153 | 16.8 | 3 | 1 | 59.4 |
| M/W GENETICS | G 8699 | 158 | 161 | 154 | 14.8 | 0 | 1 | 58.1 |
| SANDS | SOI 9146 | 157 | 164 | 150 | 15.0 | 2 | 0 | 59.2 |
| M/W GENETICS | G 8452 | 157 | 151 | 162 | 15.6 | 3 | 1 | 58.9 |
| KSC/CHALLENGER | K-9616B | 157 | 156 | 158 | 14.9 | 1 | 1 | 59.4 |
| KRUGER | K9819 | 157 | 163 | 150 | 16.2 | 2 | 0 | 58.6 |
| MYCOGEN | 2821 | 155 | 162 | 148 | 15.4 | 3 | 0 | 59.6 |
| LEWIS | 4466 | 155 | 147 | 162 | 14.8 | 3 | 1 | 58.8 |
| PFISTER | 3977 | 154 | 156 | 152 | 15.6 | 1 | 0 | 59.2 |
| M/W GENETICS | G 8771 | 154 | 140 | 167* | 15.5 | 3 | 0 | 58.6 |
| KRUGER | K-9915 | 153 | 158 | 148 | 15.5 | 2 | 0 | 58.8 |
| DEKALB Genetics | DK668 | 153 | 143 | 162 | 15.3 | 1 | 0 | 59.2 |
| DEKALB Genetics | DK632 | 153 | 152 | 154 | 15.0 | 0 | 0 | 58.8 |
| TERRA | E1157 | 152 | 139 | 165* | 15.4 | 1 | 0 | 58.7 |
| TERRA | E1106 | 152 | 144 | 160 | 15.1 | 2 | 1 | 57.4 |
| PFISTER | 3049 | 152 | 153 | 151 | 15.1 | 2 | 1 | 57.8 |
| DEKALB Genetics | DK618 | 152 | 149 | 154 | 14.5 | 3 | 2 | 58.9 |
| CROW'S | 496 | 152 | 151 | 152 | 14.7 | 2 | 1 | 57.6 |
| TERRA | E1186 | 151 | 152 | 149 | 16.4 | 2 | 0 | 59.8 |
| LG SEEDS | LG 2705 | 151 | 152 | 149 | 14.8 | 4 | 0 | 57.8 |

**Continued on page 2**

# Southeast Dryland Corn Hybrid Tests
# Cass and Gage Counties - 1997 Page 2

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Cass bu/a | Gage bu/a | pct | pct | pct | lb/bu |
| KRUGER | K-9716+ | 151 | 133 | 168* | 15.3 | 3 | 1 | 57.9 |
| OTTILIE | 2467 | 150 | 147 | 152 | 14.9 | 2 | 0 | 58.6 |
| KSC/CHALLENGER | K-9818+ | 150 | 153 | 147 | 16.5 | 2 | 0 | 58.1 |
| KSC/CHALLENGER | K-9816 | 150 | 149 | 151 | 15.3 | 2 | 0 | 58.8 |
| HAWKEYE | SX76 | 150 | 148 | 151 | 15.4 | 2 | 1 | 58.9 |
| PIONEER | 3394 ## | 149 | 153 | 145 | 14.6 | 1 | 0 | 59.8 |
| LEWIS | 5446 | 148 | 139 | 156 | 15.1 | 1 | 0 | 57.6 |
| CROW'S | 668 | 148 | 143 | 153 | 15.4 | 2 | 0 | 59.2 |
| CROW'S | 550 | 148 | 141 | 154 | 15.1 | 2 | 0 | 57.8 |
| MILLER PREF | MP1154 | 147 | 135 | 158 | 15.4 | 1 | 1 | 59.1 |
| ----- | B73 X N204 | 146 | 144 | 148 | 15.6 | 6 | 1 | 60.7 |
| SUCROSCO | 9615N | 146 | 145 | 146 | 15.1 | 1 | 1 | 58.5 |
| SANDS | SOI 9158 | 146 | 152 | 139 | 14.7 | 2 | 0 | 56.9 |
| SANDS | SOI 9137 | 145 | 142 | 147 | 14.5 | 2 | 0 | 58.3 |
| RENZE | 6397 | 144 | 143 | 145 | 14.9 | 1 | 0 | 57.5 |
| KSC/CHALLENGER | K-9814A | 144 | 145 | 142 | 14.9 | 1 | 0 | 58.8 |
| KRUGER | K9818A | 144 | 141 | 146 | 15.4 | 1 | 1 | 59.1 |
| CARGILL | 8011 | 144 | 145 | 142 | 15.1 | 2 | 1 | 57.6 |
| KSC/CHALLENGER | K-9712+ | 143 | 137 | 149 | 14.6 | 2 | 0 | 56.7 |
| WILSON | 1792 | 142 | 142 | 142 | 16.2 | 3 | 0 | 59.1 |
| TERRA | TR1167 | 142 | 145 | 138 | 15.7 | 0 | 1 | 59.1 |
| FEDERAL | FX39F | 141 | 143 | 138 | 14.8 | 2 | 0 | 58.9 |
| SANDS | SOI 9126 | 140 | 151 | 129 | 14.8 | 2 | 0 | 58.8 |
| KSC/CHALLENGER | K-9713 | 138 | 146 | 130 | 14.6 | 3 | 0 | 57.6 |
| Average All Entries | | 153 | 152 | 154 | 15.3 | 2 | 1 | 58.7 |
| Dif. Req. for Sig. | 5% | 17 | NS | 19 | 0.5 | NS | 1 | 0.8 |
| | 25% | 10 | 13 | 11 | 0.3 | NS | 1 | 0.5 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
*** denotes hybrids not significantly different than top yielding hybrid**

# Southeast Dryland Corn Hybrid Tests 1993 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| WILSON | 2335 | 179 | 19.0 | 1 | 0 | 57.7 |
| HAWKEYE | SX81 | 179 | 16.8 | 2 | 0 | 57.4 |
| KRUGER | K9620 | 173 | 18.2 | 2 | 0 | 58.5 |
| CARGILL | 7770 | 171 | 15.8 | 1 | 1 | 59.2 |
| PFISTER | 3049 | 170 | 16.1 | 1 | 1 | 56.6 |
| OTTILIE | 5460 | 169 | 15.8 | 2 | 0 | 58.0 |
| MYCOGEN | 2821 | 168 | 17.4 | 2 | 0 | 58.1 |
| SANDS | SOI 9146 | 166 | 16.2 | 1 | 0 | 58.0 |
| KRUGER | K9819 | 165 | 17.7 | 2 | 0 | 57.6 |
| CROW'S | 668 | 165 | 17.3 | 1 | 0 | 57.6 |
| M/W GENETICS | G 8771 | 164 | 17.4 | 2 | 1 | 57.0 |
| MYCOGEN | 7250cb | 163 | 15.8 | 1 | 0 | 57.5 |
| RENZE | 6506 | 162 | 18.3 | 2 | 1 | 58.4 |
| M/W GENETICS | G 8452 | 162 | 16.4 | 2 | 1 | 57.8 |
| PIONEER | 3394 ## | 161 | 15.6 | 1 | 0 | 58.8 |
| TERRA | E1157 | 159 | 16.6 | 1 | 0 | 57.3 |
| CROW'S | 496 | 159 | 15.8 | 1 | 1 | 56.4 |
| LEWIS | 4466 | 158 | 16.3 | 2 | 1 | 57.9 |
| KRUGER | K9818A | 156 | 16.8 | 1 | 1 | 57.6 |
| OTTILIE | 2467 | 154 | 15.9 | 1 | 0 | 57.5 |
| SANDS | SOI 9137 | 152 | 15.4 | 1 | 0 | 57.3 |
| ----- | B73 X N204 | 150 | 16.3 | 3 | 1 | 58.7 |
| Average All Entries | | 164 | 16.6 | 1 | 0 | 57.8 |
| Dif. Req. for Sig. | 5% | 4 | 0.5 | NS | NS | 0.3 |
| | 25% | 2 | 0.3 | NS | NS | 0.2 |
| | | **3 YEAR AVERAGES** | | | | |
| HAWKEYE | SX81 | 164 | 16.6 | 2 | 1 | 57.4 |
| KRUGER | K9620 | 160 | 17.8 | 2 | 0 | 58.6 |
| CROW'S | 668 | 157 | 17.4 | 1 | 0 | 57.7 |
| PIONEER | 3394 ## | 149 | 15.4 | 1 | 0 | 59.0 |
| CROW'S | 496 | 149 | 15.4 | 1 | 1 | 56.7 |
| OTTILIE | 2467 | 145 | 15.6 | 1 | 0 | 57.6 |
| ----- | B73 X N204 | 142 | 17.0 | 2 | 1 | 59.0 |
| Average All Entries | | 152 | 16.5 | 1 | 1 | 58.0 |
| Dif. Req. for Sig. | 5% | 4 | 0.5 | NS | NS | 0.3 |
| | 25% | 2 | 0.3 | NS | NS | 0.2 |

**Continued on page 2**

# Southeast Dryland Corn Hybrid Tests
# 1993 - 1997 Page 2

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **4 YEAR AVERAGES** | | | | |
| HAWKEYE | SX81 | 171 | 16.9 | 2 | 1 | 57.5 |
| CROW'S | 668 | 161 | 17.8 | 1 | 0 | 57.8 |
| PIONEER | 3394 ## | 151 | 15.4 | 1 | 0 | 59.1 |
| ---- | B73 X N204 | 149 | 17.2 | 3 | 1 | 59.0 |
| Average All Entries | | 158 | 16.8 | 2 | 1 | 58.3 |
| Dif. Req. for Sig. | 5% | 5 | 0.4 | NS | NS | 0.3 |
| | 25% | 3 | 0.2 | NS | NS | 0.1 |
| | | **5 YEAR AVERAGES** | | | | |
| CROW'S | 668 | 155 | 18.3 | 1 | 0 | 57.8 |
| PIONEER | 3394 ## | 148 | 16.0 | 2 | 1 | 59.0 |
| Average All Entries | | 152 | 17.2 | 1 | 1 | 58.4 |
| Dif. Req. for Sig. | 5% | NS | 0.4 | NS | NS | 0.2 |
| | 25% | NS | 0.2 | NS | 1 | 0.1 |

# East Central Dryland Corn Hybrid Test
## Dodge and Butler Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Dodge bu/a | Butler bu/a | pct | pct | pct | lb/bu |
| LYNKS | 2725 | 155 | 150** | 160* | 16.5 | 4 | 1 | 57.8 |
| CARGILL | 7777 | 155 | 141* | 169* | 16.5 | 5 | 1 | 60.2 |
| TERRA | E1128 | 152 | 128 | 175** | 15.6 | 8 | 1 | 60.2 |
| OTTILIE | 2467 | 152 | 146* | 157* | 16.3 | 4 | 2 | 58.3 |
| KRUGER | K9614A | 152 | 135* | 169* | 16.6 | 4 | 1 | 57.9 |
| KRUGER | K-9813 | 151 | 137* | 164* | 15.5 | 2 | 1 | 56.3 |
| SANDS | SOI 9128 | 150 | 132* | 167* | 15.8 | 5 | 2 | 56.7 |
| PFISTER | 2680 | 149 | 146* | 152 | 16.2 | 6 | 0 | 57.7 |
| KRUGER | K9716 | 149 | 135* | 163* | 16.5 | 6 | 1 | 56.9 |
| RENZE | 6327 | 148 | 137* | 159* | 15.7 | 1 | 2 | 57.4 |
| PIONEER | 3489 ## | 148 | 134* | 161* | 15.6 | 16 | 1 | 58.4 |
| KRUGER | K-9915 | 148 | 138* | 157* | 17.2 | 6 | 1 | 57.9 |
| CARGILL | 7770 | 148 | 134* | 162* | 16.7 | 6 | 1 | 59.7 |
| WILSON | 1719 | 147 | 120 | 173* | 16.2 | 9 | 2 | 58.8 |
| SANDS | SOI 9126 | 147 | 136* | 158* | 16.1 | 8 | 1 | 58.0 |
| CARGILL | 6888 | 147 | 129 | 165* | 16.4 | 5 | 1 | 57.7 |
| DEKALB Genetics | DK595 | 146 | 134* | 157* | 15.3 | 4 | 1 | 58.7 |
| DEKALB Genetics | DK580 | 145 | 132* | 158* | 15.4 | 7 | 1 | 59.6 |
| SANDS | SOI 9137 | 144 | 132* | 156* | 15.6 | 3 | 1 | 57.9 |
| MYCOGEN | 7250cb | 144 | 128 | 159* | 15.8 | 6 | 1 | 57.8 |
| KRUGER | K-9711+ | 144 | 132* | 155* | 15.7 | 9 | 1 | 57.7 |
| WILSON | 1664 | 143 | 136* | 149 | 16.0 | 7 | 1 | 58.1 |
| RENZE | 6349 | 143 | 137* | 149 | 15.7 | 4 | 2 | 56.0 |
| JACOBSEN | JS4848 | 143 | 131* | 155* | 16.9 | 5 | 0 | 58.0 |
| NORTHRUP KING | N7333 | 142 | 132* | 152 | 16.2 | 4 | 1 | 59.8 |
| KSC/CHALLENGER | K-9812 | 142 | 122 | 161* | 15.7 | 8 | 1 | 59.9 |
| CROW'S | 550 | 142 | 136* | 148 | 16.8 | 6 | 2 | 57.0 |
| CROW'S | 496 | 142 | 134* | 149 | 16.1 | 7 | 1 | 57.0 |
| RENZE | 6397 | 141 | 129 | 153 | 16.9 | 4 | 0 | 56.7 |
| PIONEER | 3162 ## | 141 | 116 | 166* | 16.9 | 7 | 1 | 59.9 |
| MILLER PREF | MP1154 | 141 | 140* | 141 | 17.6 | 5 | 2 | 57.7 |
| JACOBSEN | JS4855 | 141 | 136* | 146 | 16.6 | 8 | 1 | 57.3 |
| FTEX | 96117A | 141 | 141* | 140 | 16.9 | 13 | 1 | 56.4 |
| PFISTER | 3049 | 140 | 130* | 150 | 16.6 | 7 | 3 | 56.5 |
| TRIUMPH | 1514 | 139 | 137* | 140 | 15.9 | 8 | 1 | 57.3 |
| TERRA | E1106 | 139 | 128 | 149 | 16.6 | 10 | 1 | 56.7 |
| TERRA | E1157 | 139 | 121 | 156* | 17.1 | 8 | 1 | 56.9 |
| M/W GENETICS | G 8511 | 139 | 126 | 151 | 16.6 | 9 | 1 | 56.8 |
| WILSON | 1644 | 138 | 125 | 150 | 15.4 | 3 | 1 | 58.1 |
| KRUGER | K-9811+ | 138 | 126 | 149 | 15.5 | 7 | 2 | 57.3 |
| DEKALB Genetics | DK632 | 138 | 129 | 146 | 15.9 | 11 | 1 | 58.3 |

**Continued on page 2**

# East Central Dryland Corn Hybrid Test
# Dodge and Butler Counties - 1997 Page 2

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Dodge bu/a | Butler bu/a | pct | pct | pct | lb/bu |
| TERRA | TR1087 | 137 | 124 | 150 | 15.5 | 8 | 1 | 57.7 |
| FONTANELLE | 5325 | 137 | 124 | 149 | 15.5 | 4 | 1 | 58.6 |
| ---- | B73 X N204 | 136 | 117 | 155* | 17.1 | 7 | 4 | 59.5 |
| RENZE | 6337 | 136 | 122 | 149 | 15.6 | 9 | 1 | 57.6 |
| KSC/CHALLENGER | K-9713 | 136 | 120 | 152 | 15.5 | 3 | 2 | 57.1 |
| FONTANELLE | 5567 | 136 | 128 | 143 | 16.2 | 12 | 2 | 58.3 |
| WILSON | 1792 | 135 | 124 | 145 | 17.7 | 8 | 2 | 58.8 |
| LG SEEDS | LG 2583 | 135 | 111 | 159* | 15.6 | 8 | 2 | 58.2 |
| CURRY | 2182 ## | 135 | 112 | 157* | 15.6 | 5 | 1 | 57.7 |
| SUCROSCO | 9510 | 134 | 123 | 145 | 15.6 | 6 | 1 | 58.0 |
| RENZE | 6386 | 134 | 127 | 140 | 15.9 | 11 | 1 | 58.2 |
| DEKALB Genetics | DK618 | 133 | 119 | 147 | 15.4 | 8 | 1 | 58.5 |
| OTTILIE | 5460 | 132 | 116 | 148 | 16.6 | 9 | 2 | 58.4 |
| M/W GENETICS | G 8440 | 132 | 119 | 144 | 16.2 | 6 | 2 | 58.6 |
| KSC/CHALLENGER | K-9712+ | 132 | 125 | 139 | 15.6 | 9 | 1 | 56.9 |
| DEKALB Genetics | DK559 | 132 | 121 | 143 | 15.1 | 8 | 0 | 57.7 |
| KSC/CHALLENGER | K-9715+ | 131 | 126 | 135 | 16.2 | 9 | 1 | 59.0 |
| DEKALB Genetics | DK641 | 131 | 120 | 142 | 16.1 | 11 | 2 | 58.5 |
| KSC/CHALLENGER | K-9816 | 130 | 121 | 139 | 16.6 | 10 | 1 | 58.5 |
| CROW'S | 668 | 130 | 125 | 134 | 17.2 | 7 | 1 | 58.3 |
| FTEX | 96118A | 129 | 123 | 134 | 17.2 | 6 | 2 | 57.3 |
| TRIUMPH | 2010 | 128 | 131 | 125 | 17.6 | 5 | 1 | 58.1 |
| TERRA | E1066 | 127 | 108 | 146 | 15.8 | 9 | 1 | 57.7 |
| LG SEEDS | LG 2624 | 126 | 113 | 138 | 16.6 | 6 | 2 | 57.4 |
| Average All Entries | | 140 | 128 | 152 | 16.2 | 7 | 1 | 57.9 |
| Dif. Req. for Sig. | 5% | NS | 20 | 20 | 0.6 | NS | NS | 0.9 |
| | 25% | 10 | 12 | 11 | 0.4 | 4 | 1 | 0.5 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
*** denotes hybrids not significantly different than top yielding hybrid**

# East Central Dryland Corn Hybrid Tests 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| CARGILL | 7777 | 165 | 17.1 | 3 | 1 | 59.3 |
| LYNKS | 2725 | 162 | 16.6 | 2 | 1 | 57.4 |
| KRUGER | K9716 | 158 | 16.6 | 3 | 1 | 55.7 |
| DEKALB Genetics | DK580 | 158 | 15.3 | 4 | 1 | 58.6 |
| NORTHRUP KING | N7333 | 157 | 16.8 | 3 | 1 | 59.0 |
| CARGILL | 7770 | 157 | 16.6 | 4 | 1 | 58.8 |
| SANDS | SOI 9137 | 156 | 15.8 | 2 | 1 | 57.3 |
| OTTILIE | 2467 | 156 | 16.7 | 3 | 1 | 57.3 |
| TERRA | E1157 | 155 | 18.6 | 4 | 1 | 55.9 |
| WILSON | 1719 | 154 | 16.9 | 5 | 2 | 57.7 |
| PIONEER | 3489 ## | 154 | 16.2 | 9 | 1 | 58.0 |
| MYCOGEN | 7250cb | 154 | 16.4 | 4 | 1 | 57.3 |
| DEKALB Genetics | DK559 | 154 | 15.0 | 5 | 0 | 56.9 |
| CROW'S | 496 | 153 | 16.2 | 4 | 1 | 56.2 |
| PIONEER | 3162 ## | 152 | 17.8 | 4 | 1 | 59.0 |
| SANDS | SOI 9126 | 151 | 16.1 | 5 | 1 | 57.4 |
| TERRA | E1106 | 150 | 17.0 | 5 | 1 | 55.7 |
| M/W GENETICS | G 8440 | 150 | 17.0 | 4 | 1 | 57.8 |
| CARGILL | 6888 | 150 | 16.2 | 3 | 1 | 57.3 |
| TRIUMPH | 1514 | 149 | 16.0 | 4 | 1 | 56.4 |
| TERRA | E1066 | 149 | 16.0 | 5 | 1 | 56.8 |
| RENZE | 6386 | 148 | 16.4 | 6 | 1 | 57.6 |
| ---- | B73 X N204 | 146 | 17.9 | 4 | 2 | 58.3 |
| TRIUMPH | 2010 | 143 | 18.7 | 3 | 1 | 56.9 |
| FONTANELLE | 5325 | 135 | 16.1 | 2 | 1 | 57.8 |
| Average All Entries | | 153 | 16.6 | 4 | 1 | 57.4 |
| Dif. Req. for Sig. | 5% | NS | 0.5 | NS | NS | 0.2 |
| | 25% | NS | 0.3 | NS | NS | 0.1 |
| | | **3 YEAR AVERAGES** | | | | |
| CARGILL | 7777 | 150 | 18.7 | 3 | 1 | 58.7 |
| DEKALB Genetics | DK580 | 141 | 16.7 | 4 | 1 | 58.4 |
| MYCOGEN | 7250cb | 140 | 18.2 | 4 | 1 | 57.0 |
| RENZE | 6386 | 133 | 17.8 | 5 | 1 | 57.2 |
| M/W GENETICS | G 8440 | 131 | 18.6 | 8 | 1 | 57.5 |
| ----- | B73 X N204 | 126 | 20.0 | 6 | 2 | 57.8 |
| FONTANELLE | 5325 | 119 | 17.8 | 3 | 2 | 57.7 |
| Average All Entries | | 134 | 18.3 | 5 | 1 | 57.7 |
| Dif. Req. for Sig. | 5% | 5 | 0.3 | NS | NS | 0.2 |
| | 25% | 3 | 0.2 | NS | NS | 0.1 |
| | | **4 YEAR AVERAGES** | | | | |
| CARGILL | 7777 | 161 | 18.4 | 3 | 1 | 58.9 |
| DEKALB Genetics | DK580 | 148 | 16.3 | 4 | 1 | 58.3 |
| ----- | B73 X N204 | 137 | 19.5 | 6 | 1 | 58.1 |
| Average All Entries | | 149 | 18.0 | 4 | 1 | 58.4 |
| Dif. Req. for Sig. | 5% | 4 | 0.4 | NS | NS | NS |
| | 25% | 2 | 0.2 | 1 | NS | 0.2 |

# Southeast Irrigated Corn Hybrid Tests
# Seward and Merrick Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Seward bu/a | Merrick bu/a | pct | pct | pct | lb/bu |
| TRIUMPH | 1141 | 198 | 229** | 167* | 16.9 | 7 | 0 | 59.0 |
| JACOBSEN | JS56 | 191 | 210* | 172* | 16.9 | 8 | 1 | 58.8 |
| WILSON | 1792 | 190 | 196 | 184** | 20.3 | 16 | 1 | 58.7 |
| KRUGER | K-9915 | 189 | 200 | 178* | 18.2 | 7 | 1 | 59.1 |
| HAWKEYE | SX55 | 188 | 201 | 174* | 16.7 | 6 | 1 | 58.7 |
| PREMIUM SEED | P230 | 187 | 203* | 170* | 17.0 | 7 | 1 | 59.0 |
| GOLDEN HARVEST | H-2547 ## | 187 | 210* | 163* | 17.1 | 7 | 1 | 58.7 |
| BO-JAC | 415 | 187 | 200 | 174* | 16.5 | 13 | 1 | 58.8 |
| FONTANELLE | 5567 | 186 | 212* | 159 | 18.2 | 11 | 1 | 59.3 |
| DEKALB Genetics | DK632 | 186 | 194 | 178* | 17.3 | 9 | 2 | 59.1 |
| LG SEEDS | LG 2637 | 185 | 202 | 168* | 16.9 | 5 | 0 | 58.6 |
| CARGILL | 7777 | 185 | 216 | 153 | 18.3 | 17 | 2 | 60.8 |
| MILLER PREF | MP1123 | 184 | 190 | 177* | 16.8 | 8 | 0 | 58.5 |
| MYCOGEN | 7250cb | 183 | 209* | 156 | 17.6 | 6 | 1 | 58.3 |
| CROW'S | 685 | 183 | 208* | 158 | 19.2 | 7 | 0 | 58.8 |
| WILSON | 1664 | 182 | 205* | 159 | 17.2 | 4 | 0 | 58.4 |
| SUCROSCO | 9615N | 182 | 194 | 170* | 18.8 | 9 | 1 | 58.7 |
| LYNKS | 2725 | 182 | 208* | 155 | 16.9 | 6 | 1 | 58.2 |
| KRUGER | K9614A | 182 | 195 | 169* | 16.6 | 8 | 1 | 58.9 |
| TERRA | E1157 | 181 | 212* | 149 | 19.7 | 10 | 1 | 57.9 |
| FONTANELLE | 5306 | 181 | 202 | 160* | 16.8 | 8 | 1 | 59.0 |
| DEKALB Genetics | DK591 ## | 181 | 191 | 170* | 15.8 | 10 | 0 | 58.5 |
| RENZE | 6386 | 180 | 201 | 159 | 16.5 | 8 | 1 | 58.6 |
| WILSON | 1719 | 179 | 194 | 163* | 17.1 | 11 | 1 | 58.9 |
| TERRA | E1186 | 178 | 203* | 152 | 19.1 | 9 | 0 | 58.9 |
| KRUGER | K9513 | 178 | 181 | 174* | 16.0 | 5 | 1 | 58.4 |
| CARGILL | 7770 | 178 | 208* | 147 | 18.1 | 9 | 0 | 59.2 |
| OTTILIE | 2467 | 177 | 203* | 150 | 17.2 | 6 | 0 | 58.8 |
| CARGILL | 6888 | 177 | 183 | 171* | 17.0 | 6 | 1 | 58.9 |
| SANDS | SOI 9146 | 176 | 201 | 150 | 18.3 | 12 | 1 | 59.0 |
| MILLER PREF | MP1131 | 176 | 181 | 171* | 16.5 | 6 | 2 | 58.0 |
| DEKALB Genetics | DK641 | 176 | 193 | 158 | 17.4 | 18 | 2 | 58.8 |
| CROW'S | 496 | 176 | 191 | 160* | 16.2 | 4 | 1 | 57.3 |
| CROW'S | 668 | 176 | 184 | 168* | 19.1 | 6 | 0 | 59.0 |
| TERRA | E1106 | 175 | 181 | 169* | 18.0 | 5 | 0 | 57.3 |
| KRUGER | K-9813B | 175 | 173 | 177* | 15.9 | 5 | 0 | 58.7 |
| SANDS | SOI 9126 | 174 | 182 | 165* | 16.6 | 9 | 1 | 58.7 |
| M/W GENETICS | G 8511 | 174 | 190 | 158 | 18.2 | 8 | 2 | 59.5 |
| LG SEEDS | LG 2579 | 174 | 193 | 155 | 18.8 | 8 | 2 | 59.4 |
| M/W GENETICS | G 8699 | 172 | 191 | 153 | 16.9 | 6 | 1 | 57.7 |
| TERRA | E1128 | 171 | 190 | 151 | 17.3 | 9 | 1 | 61.0 |
| RENZE | 6327 | 171 | 192 | 149 | 16.1 | 5 | 1 | 58.2 |

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# Southeast Irrigated Corn Hybrid Tests
# Seward and Merrick Counties - 1997. Page 2

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Seward bu/a | Merrick bu/a | pct | pct | pct | lb/bu |
| HAWKEYE | SX44A | 171 | 172 | 169* | 16.6 | 14 | 1 | 58.2 |
| DEKALB Genetics | DK595 | 171 | 169 | 173* | 16.3 | 8 | 1 | 58.8 |
| BO-JAC | 580 | 171 | 186 | 155 | 17.0 | 9 | 1 | 58.9 |
| KSC/CHALLENGER | K-9811+ | 170 | 197 | 142 | 16.9 | 11 | 1 | 61.0 |
| TERRA | TR1167 | 169 | 174 | 163* | 20.6 | 9 | 1 | 59.2 |
| RENZE | 6345 | 169 | 164 | 174* | 16.2 | 6 | 1 | 58.1 |
| OTTILIE | 5550 | 169 | 176 | 161* | 17.0 | 8 | 1 | 57.9 |
| RENZE | 6397 | 168 | 173 | 163* | 17.1 | 4 | 1 | 57.7 |
| KSC/CHALLENGER | K-9715+ | 168 | 178 | 157 | 16.7 | 7 | 1 | 57.9 |
| TRIUMPH | 1514 | 167 | 167 | 166* | 17.1 | 8 | 1 | 57.7 |
| OTTILIE | 5460 | 167 | 182 | 152 | 17.7 | 18 | 1 | 59.0 |
| KSC/CHALLENGER | K-9711+ | 167 | 164 | 169* | 16.6 | 15 | 1 | 58.5 |
| PIONEER | 3162 ## | 166 | 188 | 144 | 18.6 | 7 | 0 | 60.5 |
| FONTANELLE | 5117 | 165 | 174 | 155 | 16.1 | 10 | 1 | 58.1 |
| SANDS | SOI 9137 | 164 | 163 | 165* | 16.5 | 8 | 1 | 58.9 |
| RENZE | 6349 | 164 | 173 | 155 | 16.1 | 5 | 1 | 57.0 |
| MILLER PREF | MP1133 | 164 | 176 | 152 | 17.6 | 6 | 1 | 57.7 |
| LYNKS | 2815 | 164 | 170 | 158 | 17.4 | 3 | 1 | 58.3 |
| CROW'S | 550 | 164 | 187 | 141 | 17.0 | 5 | 1 | 58.0 |
| BO-JAC | 2801 | 164 | 184 | 143 | 16.2 | 3 | 0 | 58.1 |
| KSC/CHALLENGER | K-9713 | 163 | 185 | 141 | 18.3 | 6 | 0 | 59.2 |
| BO-JAC | 409 | 162 | 184 | 140 | 16.0 | 9 | 0 | 58.6 |
| MYCOGEN | 2828 | 161 | 170 | 151 | 18.2 | 7 | 2 | 57.7 |
| HAWKEYE | 96-601 | 160 | 176 | 144 | 15.9 | 7 | 0 | 57.0 |
| BO-JAC | 3607 | 160 | 175 | 144 | 15.5 | 5 | 2 | 58.8 |
| JACOBSEN | JS4635 | 159 | 184 | 134 | 16.9 | 6 | 1 | 58.0 |
| NC+ | 5037 | 158 | 170 | 145 | 17.1 | 6 | 0 | 58.7 |
| KRUGER | K-9813 | 158 | 174 | 142 | 16.9 | 4 | 1 | 57.0 |
| ----- | B73 X N204 | 157 | 186 | 127 | 18.7 | 22 | 2 | 60.5 |
| OTTILIE | 5050 | 157 | 168 | 146 | 16.3 | 8 | 2 | 58.2 |
| FONTANELLE | 5325 | 155 | 164 | 146 | 17.0 | 7 | 0 | 58.8 |
| CARGILL | 8011 | 155 | 169 | 140 | 17.5 | 5 | 0 | 58.2 |
| LG SEEDS | LG 2574 | 149 | 176 | 122 | 16.3 | 4 | 0 | 57.4 |
| KSC/CHALLENGER | K-9812 | 147 | 172 | 121 | 16.0 | 7 | 1 | 58.0 |
| Average All Entries | | 173 | 188 | 157 | 17.2 | 8 | 1 | 58.6 |
| Dif. Req. for Sig. | 5% | NS | 26 | 24 | 1.6 | 5 | NS | 0.9 |
| | 25% | 15 | 15 | 14 | 0.9 | 3 | 1 | 0.5 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
*** denotes hybrids not significantly different than top yielding hybrid**

# Southeast Irrigated Corn Hybrid Tests 1993 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | | |
| JACOBSEN | JS56 | 199 | 17.4 | 5 | 1 | 58.8 |
| RENZE | 6386 | 198 | 17.3 | 5 | 1 | 58.6 |
| HAWKEYE | SX55 | 198 | 17.1 | 5 | 1 | 58.7 |
| FONTANELLE | 5306 | 197 | 17.1 | 6 | 1 | 59.0 |
| MYCOGEN | 7250cb | 194 | 18.0 | 4 | 1 | 58.3 |
| LYNKS | 2725 | 194 | 16.9 | 5 | 1 | 58.2 |
| OTTILIE | 2467 | 192 | 17.5 | 4 | 0 | 58.8 |
| CARGILL | 7770 | 192 | 18.3 | 5 | 1 | 59.2 |
| CARGILL | 6888 | 192 | 17.0 | 4 | 1 | 58.9 |
| CARGILL | 7777 | 192 | 18.2 | 10 | 2 | 60.8 |
| LG SEEDS | LG 2579 | 191 | 18.5 | 5 | 2 | 59.4 |
| KRUGER | K9513 | 191 | 16.8 | 3 | 1 | 58.4 |
| SANDS | SOI 9146 | 190 | 18.8 | 9 | 1 | 59.0 |
| WILSON | 1664 | 189 | 17.1 | 4 | 0 | 58.4 |
| MILLER PREF | MP1131 | 189 | 17.6 | 4 | 2 | 58.0 |
| CROW'S | 496 | 188 | 16.4 | 3 | 1 | 57.3 |
| SANDS | SOI 9126 | 187 | 17.1 | 6 | 1 | 58.7 |
| RENZE | 6345 | 187 | 17.3 | 4 | 1 | 58.1 |
| LYNKS | 2815 | 187 | 18.1 | 2 | 1 | 58.3 |
| SANDS | SOI 9137 | 186 | 17.0 | 5 | 1 | 58.9 |
| DEKALB Genetics | DK591 ## | 185 | 16.3 | 9 | 0 | 58.5 |
| WILSON | 1719 | 184 | 17.7 | 6 | 1 | 58.9 |
| OTTILIE | 5550 | 183 | 17.5 | 5 | 1 | 57.9 |
| PIONEER | 3162 ## | 182 | 19.9 | 6 | 0 | 60.5 |
| OTTILIE | 5460 | 179 | 18.2 | 11 | 1 | 59.0 |
| TERRA | TR1167 | 177 | 20.4 | 5 | 1 | 59.2 |
| TRIUMPH | 1514 | 176 | 17.7 | 5 | 1 | 57.7 |
| TERRA | E1157 | 169 | 20.1 | 6 | 1 | 57.9 |
| NC+ | 5037 | 166 | 17.6 | 4 | 0 | 58.7 |
| ----- | B73 X N204 | 162 | 18.6 | 13 | 1 | 60.5 |
| FONTANELLE | 5325 | 160 | 16.5 | 4 | 0 | 58.8 |
| CROW'S | 668 | 160 | 19.7 | 4 | 0 | 59.0 |
| Average All Entries | | 185 | 17.7 | 5 | 1 | 58.8 |
| Dif. Req. for Sig. | 5% | 8 | 0.4 | NS | 1 | NS |
| | 25% | 5 | 0.2 | 1 | 1 | NS |

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# Southeast Irrigated Corn Hybrid Tests
# 1993 - 1997 Page 2

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **3 YEAR AVERAGES** | | | | |
| RENZE | 6386 | 187 | 18.5 | 5 | 1 | 57.8 |
| CARGILL | 7777 | 187 | 19.3 | 8 | 1 | 59.4 |
| HAWKEYE | SX55 | 185 | 18.0 | 4 | 1 | 57.8 |
| MYCOGEN | 7250cb | 184 | 19.2 | 3 | 0 | 57.8 |
| KRUGER | K9513 | 183 | 18.0 | 3 | 1 | 57.4 |
| RENZE | 6345 | 181 | 18.3 | 4 | 1 | 57.3 |
| OTTILIE | 2467 | 181 | 18.6 | 4 | 0 | 58.0 |
| DEKALB Genetics | DK591 ## | 177 | 17.1 | 8 | 0 | 57.6 |
| CROW'S | 496 | 177 | 17.6 | 4 | 1 | 56.5 |
| SANDS | SOI 9126 | 176 | 18.5 | 6 | 1 | 57.7 |
| LYNKS | 2815 | 176 | 19.1 | 2 | 0 | 57.3 |
| TERRA | TR1167 | 172 | 21.3 | 4 | 0 | 57.7 |
| ----- | B73 X N204 | 155 | 20.8 | 12 | 1 | 59.1 |
| CROW'S | 668 | 155 | 21.1 | 4 | 0 | 57.4 |
| Average All Entries | | 177 | 19.0 | 5 | 1 | 57.8 |
| Dif. Req. for Sig. | 5% | 6 | 0.4 | 2 | NS | 0.3 |
| | 25% | 4 | 0.2 | 1 | NS | 0.2 |
| | | **4 YEAR AVERAGES** | | | | |
| CARGILL | 7777 | 193 | 19.1 | 7 | 1 | 59.4 |
| MYCOGEN | 7250cb | 186 | 18.8 | 3 | 1 | 57.8 |
| KRUGER | K9513 | 184 | 17.8 | 4 | 1 | 57.6 |
| DEKALB Genetics | DK591 ## | 181 | 17.0 | 9 | 0 | 57.5 |
| RENZE | 6345 | 180 | 18.0 | 5 | 1 | 57.4 |
| TERRA | TR1167 | 177 | 21.1 | 4 | 1 | 57.6 |
| CROW'S | 668 | 164 | 21.0 | 4 | 0 | 57.3 |
| ----- | B73 X N204 | 158 | 20.9 | 12 | 1 | 58.8 |
| Average All Entries | | 178 | 19.2 | 6 | 1 | 57.9 |
| Dif. Req. for Sig. | 5% | 5 | 0.4 | 2 | NS | 0.2 |
| | 25% | 3 | 0.2 | 1 | NS | 0.1 |
| | | **5 YEAR AVERAGES** | | | | |
| TERRA | TR1167 | 168 | 21.5 | 5 | 1 | 57.3 |
| CROW'S | 668 | 159 | 21.5 | 5 | 0 | 57.1 |
| Average All Entries | | 163 | 21.5 | 5 | 1 | 57.2 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS | NS |
| | 25% | NS | NS | NS | NS | 0.1 |

# South Central Irrigated Corn Hybrid Tests
# Clay and Buffalo Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear |
|---|---|---|---|---|---|---|---|
| | | Average bu/a | Clay bu/a | Buffalo bu/a | pct | pct | pct |
| FONTANELLE | 5117 | 207 | 198* | 216* | 15.7 | 9 | 5 |
| LG SEEDS | LG 2579 | 206 | 195* | 216* | 16.1 | 6 | 7 |
| MILLER PREF | MP1123 | 201 | 192* | 209* | 16.6 | 6 | 7 |
| KSC/CHALLENGER | K-9816 | 201 | 182 | 219* | 17.3 | 5 | 10 |
| M/W GENETICS | G 8511 | 200 | 190* | 209* | 16.3 | 6 | 7 |
| KRUGER | K9614A | 200 | 194* | 206* | 16.3 | 8 | 8 |
| OTTILIE | 2467 | 199 | 197* | 201* | 16.9 | 6 | 6 |
| HAWKEYE | SX55 | 199 | 198* | 199* | 16.4 | 9 | 9 |
| TRIUMPH | 1141 | 198 | 193* | 202* | 16.8 | 6 | 8 |
| KRUGER | K9616B | 198 | 191* | 204* | 16.9 | 10 | 6 |
| GARST SEED CO | 8464 | 198 | 174 | 222** | 16.6 | 7 | 5 |
| DEKALB Genetics | DK632 | 198 | 201** | 194* | 17.2 | 8 | 4 |
| JACOBSEN | JS4855 | 197 | 196* | 197* | 16.7 | 8 | 7 |
| BO-JAC | 580 | 197 | 197* | 196* | 17.4 | 4 | 5 |
| WILSON | 1719 | 196 | 194* | 198* | 16.9 | 7 | 5 |
| RENZE | 6386 | 196 | 182 | 210* | 16.3 | 4 | 6 |
| LG SEEDS | LG 2726 | 196 | 187* | 205* | 15.9 | 10 | 6 |
| GIANT SEED | GB 3145 | 196 | 185* | 206* | 17.5 | 7 | 9 |
| LYNKS | 2725 | 194 | 192* | 195* | 16.4 | 9 | 6 |
| KRUGER | K-9915 | 194 | 191* | 196* | 17.6 | 9 | 10 |
| SANDS | SOI 9126 | 192 | 190* | 193* | 16.1 | 7 | 8 |
| MYCOGEN | 7250cb | 191 | 183 | 198* | 16.9 | 4 | 3 |
| FONTANELLE | 5567 | 191 | 181 | 200* | 16.4 | 14 | 13 |
| DEKALB Genetics | DK595 | 191 | 183 | 198* | 15.2 | 12 | 4 |
| WILSON | 1664 | 190 | 185* | 195* | 16.4 | 8 | 8 |
| JACOBSEN | JS4848 | 190 | 181 | 199* | 17.3 | 6 | 9 |
| TRIUMPH | 1514 | 189 | 178 | 200* | 15.8 | 10 | 5 |
| RENZE | 6345 | 189 | 193* | 184 | 15.8 | 6 | 8 |
| HAWKEYE | SX44A | 189 | 185* | 192 | 15.8 | 6 | 7 |
| CROW'S | 496 | 188 | 176 | 200* | 16.3 | 13 | 5 |
| OTTILIE | 5550 | 187 | 182 | 191 | 16.5 | 14 | 8 |
| KSC/CHALLENGER | K-9712+ | 187 | 182 | 192 | 17.0 | 9 | 6 |
| CARGILL | 7770 | 187 | 176 | 197* | 16.8 | 9 | 12 |
| RENZE | 6397 | 186 | 180 | 191 | 16.4 | 10 | 9 |
| MILLER PREF | MP1133 | 185 | 177 | 192 | 16.8 | 9 | 7 |
| HAWKEYE | SX76 | 185 | 180 | 190 | 17.3 | 8 | 7 |
| GARST SEED CO | 8541IT | 185 | 190* | 179 | 17.1 | 5 | 7 |
| DEKALB Genetics | DK641 | 185 | 180 | 189 | 17.4 | 11 | 14 |
| BO-JAC | 409 | 184 | 183 | 185 | 16.4 | 7 | 8 |
| LYNKS | 2815 | 183 | 165 | 200* | 16.6 | 11 | 5 |
| SANDS | SOI 9146 | 182 | 190* | 173 | 17.2 | 11 | 10 |
| FONTANELLE | 5786 | 182 | 183 | 180 | 17.2 | 6 | 7 |
| CARGILL | 7777 | 182 | 161 | 202* | 17.1 | 10 | 10 |
| KSC/CHALLENGER | K-9818A | 181 | 179 | 182 | 17.1 | 10 | 6 |
| KRUGER | K-9813 | 180 | 172 | 187 | 15.4 | 8 | 4 |
| RENZE | 6349 | 179 | 180 | 178 | 15.3 | 6 | 3 |
| PIONEER | 3162 ## | 179 | 176 | 182 | 17.9 | 6 | 4 |
| GIANT SEED | GB 3147 | 179 | 172 | 186 | 16.7 | 10 | 4 |

**Continued on page 2**

# South Central Irrigated Corn Hybrid Tests
# Clay and Buffalo Counties - 1997 Page 2

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear |
|---|---|---|---|---|---|---|---|
| | | Average bu/a | Clay bu/a | Buffalo bu/a | pct | pct | pct |
| DEKALB Genetics | DK591 ## | 177 | 173 | 180 | 15.2 | 7 | 14 |
| CROW'S | 550 | 176 | 171 | 181 | 16.5 | 12 | 9 |
| BO-JAC | 2801 | 176 | 177 | 174 | 16.0 | 9 | 3 |
| BO-JAC | 415 | 176 | 170 | 182 | 16.1 | 13 | 11 |
| OTTILIE | 5460 | 175 | 177 | 173 | 17.2 | 17 | 11 |
| LG SEEDS | LG 2583 | 175 | 179 | 170 | 17.4 | 15 | 5 |
| LG SEEDS | LG 2637 | 175 | 174 | 175 | 19.2 | 8 | 16 |
| KRUGER | K9716 | 175 | 183 | 167 | 16.5 | 9 | 7 |
| M/W GENETICS | G 7711 | 174 | 178 | 169 | 16.6 | 10 | 10 |
| GARST SEED CO | 8342 | 174 | 164 | 184 | 15.5 | 11 | 5 |
| CARGILL | 6888 | 174 | 180 | 168 | 15.9 | 6 | 9 |
| BO-JAC | 3607 | 173 | 153 | 192 | 15.3 | 12 | 6 |
| FONTANELLE | 5325 | 172 | 191* | 152 | 16.2 | 5 | 4 |
| CROW'S | 685 | 172 | 163 | 180 | 17.4 | 10 | 12 |
| MILLER PREF | MP1134 | 171 | 187* | 154 | 16.1 | 6 | 6 |
| CARGILL | 8011 | 171 | 177 | 165 | 16.9 | 11 | 9 |
| SANDS | SOI 9158 | 169 | 160 | 178 | 16.1 | 8 | 12 |
| OTTILIE | 2482X | 168 | 187* | 149 | 16.8 | 4 | 4 |
| DEKALB Genetics | DK618 | 168 | 163 | 172 | 15.6 | 12 | 8 |
| KSC/CHALLENGER | K-9715+ | 167 | 172 | 161 | 15.0 | 2 | 5 |
| RENZE | 6506 | 166 | 162 | 169 | 19.0 | 11 | 18 |
| NC+ | 5037 | 166 | 155 | 177 | 16.0 | 8 | 4 |
| KSC/CHALLENGER | K-9713 | 166 | 168 | 164 | 15.4 | 8 | 5 |
| KAYSTAR | KX-808 | 166 | 170 | 161 | 15.7 | 6 | 4 |
| SUCROSCO | 9615N | 161 | 154 | 168 | 17.5 | 9 | 9 |
| CROW'S | 668 | 155 | 148 | 161 | 18.1 | 9 | 6 |
| ----- | B73 X N204 | 152 | 144 | 159 | 18.3 | 13 | 17 |
| Average All Entries | | 183 | 179 | 187 | 16.6 | 8 | 7 |
| Dif. Req. for Sig. | 5% | 22 | 17 | 27 | 1.0 | 6 | NS |
| | 25% | 13 | 10 | 16 | 0.6 | 4 | NS |

## Entered by UN-L Agronomy Department
** denotes top yielding hybrid at each location
* denotes hybrids not significantly different than top yielding hybrid

# South Central Irrigated Corn Hybrid Tests 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct |
|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | |
| LG SEEDS | LG 2579 | 213 | 17.0 | 6 | 4 |
| MILLER PREF | MP1123 | 212 | 17.4 | 5 | 4 |
| OTTILIE | 2467 | 210 | 17.6 | 6 | 3 |
| JACOBSEN | JS4855 | 209 | 17.7 | 8 | 5 |
| WILSON | 1664 | 208 | 17.2 | 6 | 5 |
| WILSON | 1719 | 208 | 17.9 | 5 | 4 |
| LYNKS | 2725 | 208 | 16.8 | 6 | 4 |
| HAWKEYE | SX55 | 208 | 16.7 | 8 | 5 |
| TRIUMPH | 1514 | 204 | 16.6 | 7 | 3 |
| KRUGER | K9616B | 203 | 17.8 | 7 | 4 |
| MYCOGEN | 7250cb | 202 | 17.6 | 5 | 2 |
| CROW'S | 496 | 201 | 16.9 | 9 | 3 |
| SANDS | SOI 9126 | 200 | 17.0 | 7 | 5 |
| OTTILIE | 5550 | 200 | 17.1 | 11 | 4 |
| GIANT SEED | GB 3145 | 200 | 17.7 | 5 | 5 |
| LYNKS | 2815 | 199 | 17.2 | 7 | 3 |
| RENZE | 6345 | 198 | 16.1 | 4 | 5 |
| PIONEER | 3162 ## | 198 | 18.6 | 5 | 2 |
| DEKALB Genetics | DK591 ## | 198 | 15.5 | 8 | 7 |
| CARGILL | 7770 | 198 | 17.2 | 7 | 7 |
| CARGILL | 6888 | 198 | 17.0 | 6 | 5 |
| LG SEEDS | NB 6842 | 197 | 17.4 | 11 | 4 |
| M/W GENETICS | G 7711 | 196 | 17.4 | 7 | 6 |
| HAWKEYE | SX44A | 196 | 16.4 | 5 | 4 |
| OTTILIE | 5460 | 193 | 17.4 | 11 | 6 |
| CARGILL | 7777 | 193 | 17.5 | 7 | 5 |
| KRUGER | K9716 | 192 | 17.3 | 7 | 5 |
| SANDS | SOI 9146 | 191 | 17.5 | 9 | 6 |
| RENZE | 6506 | 188 | 19.3 | 8 | 10 |
| FONTANELLE | 5325 | 183 | 17.2 | 4 | 3 |
| CROW'S | 668 | 177 | 18.4 | 6 | 4 |
| NC+ | 5037 | 176 | 16.3 | 7 | 3 |
| ----- | B73 X N204 | 167 | 18.2 | 12 | 10 |
| Average All Entries | | 198 | 17.3 | 7 | 5 |
| Dif. Req. for Sig. | 5% | 5 | 0.3 | NS | NS |
| | 25% | 3 | 0.2 | 1 | NS |

Continued on page 2

# South Central Irrigated Corn Hybrid Tests
# 1994 - 1997 Page 2

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct |
|---|---|---|---|---|---|
| | | **3 YEAR AVERAGES** | | | |
| OTTILIE | 2467 | 201 | 16.8 | 5 | 2 |
| KRUGER | K9616B | 197 | 17.2 | 6 | 3 |
| LYNKS | 2725 | 195 | 16.4 | 5 | 3 |
| MYCOGEN | 7250cb | 190 | 16.8 | 5 | 1 |
| CROW'S | 496 | 189 | 16.1 | 7 | 2 |
| LG SEEDS | NB 6842 | 188 | 16.8 | 11 | 3 |
| CARGILL | 7777 | 187 | 16.9 | 6 | 4 |
| DEKALB Genetics | DK591 ## | 186 | 14.8 | 8 | 5 |
| M/W GENETICS | G 7711 | 185 | 16.6 | 6 | 4 |
| FONTANELLE | 5325 | 175 | 16.9 | 4 | 2 |
| CROW'S | 668 | 172 | 17.5 | 7 | 3 |
| ----- | B73 X N204 | 159 | 17.8 | 13 | 7 |
| Average All Entries | | 185 | 16.7 | 7 | 3 |
| Dif. Req. for Sig. | 5% | 4 | 0.3 | 1 | NS |
| | 25% | 3 | 0.2 | 1 | NS |
| | | **4 YEAR AVERAGES** | | | |
| CARGILL | 7777 | 196 | 17.6 | 6 | 4 |
| DEKALB Genetics | DK591 ## | 188 | 15.8 | 9 | 5 |
| MYCOGEN | 7250cb | 187 | 17.4 | 8 | 1 |
| CROW'S | 668 | 178 | 18.3 | 7 | 3 |
| ----- | B73 X N204 | 168 | 18.9 | 11 | 7 |
| Average All Entries | | 183 | 17.6 | 8 | 4 |
| Dif. Req. for Sig. | 5% | NS | 0.3 | NS | NS |
| | 25% | 4 | 0.2 | NS | 1 |

# South Central Dryland Corn Hybrid Tests
# Nuckolls County - 1997

| Brand | Hybrid | Yield Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Plants per acre |
|---|---|---|---|---|---|---|
| CARGILL | 6888 | 107 | 14.0 | 3 | 2 | 11290 |
| ---- | B73 X N204 | 106 | 15.4 | 8 | 0 | 9540 |
| LG SEEDS | LG 2705 | 98 | 15.6 | 4 | 0 | 11410 |
| CARGILL | 7770 | 97 | 16.4 | 2 | 2 | 12520 |
| LG SEEDS | LG 2726 | 94 | 15.9 | 8 | 0 | 12800 |
| M/W GENETICS | G 8699 | 93 | 14.8 | 6 | 2 | 11810 |
| KSC/CHALLENGER | K-9715+ | 91 | 14.4 | 2 | 2 | 12320 |
| RENZE | 6416 | 89 | 14.6 | 1 | 2 | 14330 |
| CARGILL | 7777 | 89 | 14.0 | 2 | 4 | 12280 |
| MILLER PREF | MP1154 | 85 | 15.5 | 8 | 1 | 11420 |
| KRUGER | K9620 | 85 | 15.8 | 15 | 1 | 12580 |
| GIANT SEED | GB 3145 | 84 | 14.3 | 6 | 2 | 12040 |
| CARGILL | 8011 | 84 | 14.7 | 5 | 1 | 11020 |
| DEKALB Genetics | DK591 ## | 83 | 13.4 | 10 | 2 | 10640 |
| KSC/CHALLENGER | K-9915 | 83 | 16.1 | 6 | 1 | 13540 |
| CARGILL | 8311 | 83 | 16.2 | 11 | 2 | 10470 |
| KRUGER | K-9818+ | 82 | 16.3 | 1 | 1 | 8570 |
| DEKALB Genetics | DK641 | 81 | 14.1 | 3 | 1 | 11290 |
| FONTANELLE | 5325 | 81 | 13.4 | 0 | 3 | 11860 |
| DEKALB Genetics | DK632 | 79 | 14.8 | 3 | 1 | 12440 |
| PIONEER | 3162 ## | 78 | 15.7 | 12 | 1 | 11140 |
| RENZE | 6397 | 77 | 14.6 | 3 | 0 | 9760 |
| KAYSTAR | KX-777 | 76 | 13.5 | 2 | 0 | 12040 |
| GIANT SEED | GB 3175 | 76 | 18.6 | 13 | 6 | 11750 |
| KSC/CHALLENGER | K-9616B | 76 | 14.2 | 3 | 0 | 12480 |
| MYCOGEN | 7250cb | 74 | 14.7 | 4 | 0 | 12370 |
| KRUGER | K9819 | 73 | 15.9 | 3 | 0 | 10150 |
| M/W GENETICS | G 8771 | 72 | 16.0 | 11 | 4 | 12270 |
| OTTILIE | 2467 | 72 | 14.6 | 2 | 0 | 12890 |
| NC+ | 5037 | 71 | 14.1 | 1 | 2 | 10890 |
| OTTILIE | 5460 | 71 | 14.0 | 9 | 2 | 13630 |
| KRUGER | K9818A | 71 | 14.3 | 1 | 3 | 10470 |
| KRUGER | K9818 | 71 | 15.6 | 6 | 2 | 11690 |
| LYNKS | 2815 | 65 | 14.9 | 3 | 2 | 12410 |
| SANDS | SOI 9146 | 63 | 15.2 | 3 | 2 | 11990 |
| KSC/CHALLENGER | K-9816 | 62 | 14.8 | 10 | 3 | 13180 |
| KSC/CHALLENGER | K-9716 | 61 | 13.9 | 8 | 1 | 10070 |
| Average All Entries | | 81 | 14.9 | 5 | 2 | 11790 |
| Dif. Req. for Sig. | 5% | 21 | 1.6 | NS | NS | 2780 |
| | 25% | 12 | 0.9 | 5 | NS | 1620 |

**## Entered by UN-L Agronomy Department**

# South Central Dryland Corn Hybrid Tests 1996 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct |
|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | |
| CARGILL | 7777 | 156 | 20.0 | 2 | 2 |
| RENZE | 6416 | 145 | 20.0 | 2 | 2 |
| MYCOGEN | 7250cb | 139 | 19.8 | 5 | 0 |
| KAYSTAR | KX-777 | 138 | 18.3 | 2 | 1 |
| FONTANELLE | 5325 | 136 | 18.6 | 1 | 2 |
| SANDS | SOI 9146 | 134 | 21.2 | 2 | 1 |
| NC+ | 5037 | 130 | 20.8 | 1 | 1 |
| ---- | B73 X N204 | 129 | 21.1 | 6 | 1 |
| DEKALB Genetics | DK591 ## | 128 | 19.3 | 5 | 2 |
| PIONEER | 3162 ## | 125 | 19.5 | 7 | 1 |
| M/W GENETICS | G 8771 | 112 | 21.4 | 6 | 2 |
| Average All Entries | | 134 | 20.0 | 3 | 1 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS |
| | 25% | NS | 0.6 | NS | NS |

# Northeast Dryland Corn Hybrid Test
# Dixon County - 1997 Page 2

| Brand | Hybrid | Yield Average bu/a | Grain H2O pct | Plants per acre |
|---|---|---|---|---|
| PIONEER | 3394 ## | 112 | 18.6 | 16500 |
| TERRA | TR1097 | 112 | 19.6 | 15830 |
| WILSON | 1438 | 110 | 20.3 | 15830 |
| KSC/CHALLENGER | K-9906 | 110 | 18.4 | 15240 |
| TERRA | E1066 | 109 | 21.8 | 14320 |
| M/W GENETICS | G 7636 | 109 | 20.2 | 15830 |
| KRUGER | K9709 | 108 | 20.1 | 16250 |
| KSC/CHALLENGER | K-9806 | 108 | 19.0 | 16750 |
| DEKALB Genetics | DK586 | 107 | 18.9 | 16500 |
| WILSON | 1570 | 106 | 20.7 | 16500 |
| SANDS | SOI 9128 | 105 | 20.7 | 14820 |
| WILSON | 1435 | 99 | 18.1 | 14740 |
| FONTANELLE | 5325 | 87 | 18.9 | 14320 |
| KSC/CHALLENGER | K-9712+ | 87 | 18.3 | 15580 |
| PREMIUM SEED | P214 | 87 | 18.5 | 14910 |
| Average All Entries | | 119 | 20.3 | 15720 |
| Dif. Req. for Sig. | 5% | 19 | 1.8 | NS |
| | 25% | 11 | 1.0 | NS |

**## Entered by UN-L Agronomy Department**

# Northeast Dryland Corn Hybrid Test
# Dixon County - 1997

| Brand | Hybrid | Yield Average bu/a | Grain H2O pct | Plants per acre |
|---|---|---|---|---|
| CARGILL | 7777 | 150 | 22.5 | 16500 |
| KSC/CHALLENGER | K-9910 | 136 | 21.7 | 15660 |
| PFISTER | 2680 | 134 | 21.1 | 17090 |
| SUCROSCO | 9610N | 133 | 21.3 | 15330 |
| OTTILIE | 2467 | 132 | 20.4 | 14740 |
| LYNKS | 2725 | 132 | 21.1 | 16920 |
| WILSON | 1664 | 131 | 20.0 | 15410 |
| RENZE | 6349 | 131 | 20.5 | 16080 |
| RENZE | 6386 | 130 | 19.8 | 14740 |
| RENZE | 6397 | 129 | 21.9 | 14570 |
| CARGILL | 7770 | 129 | 22.7 | 16160 |
| Hy-Vigor | 7050 | 129 | 21.7 | 15660 |
| GIANT SEED | GB 3145 | 129 | 20.2 | 16500 |
| KRUGER | K-9813 | 128 | 20.9 | 16160 |
| TERRA | TR1087 | 127 | 19.2 | 16000 |
| MYCOGEN | 2674 | 127 | 19.3 | 14990 |
| CIBA SEEDS | 454 ## | 127 | 20.3 | 16000 |
| SANDS | SOI 9137 | 127 | 19.4 | 16160 |
| KSC/CHALLENGER | K-9812 | 127 | 22.4 | 15490 |
| PIONEER | 3489 ## | 126 | 19.5 | 16080 |
| DEKALB Genetics | DK618 | 126 | 19.8 | 16500 |
| SANDS | SOI 9126 | 125 | 18.8 | 15240 |
| RENZE | 6425 | 124 | 21.3 | 16250 |
| DEKALB Genetics | DK595 | 124 | 19.4 | 15660 |
| Hy-Vigor | 7035 | 122 | 20.4 | 15410 |
| KRUGER | K-9711+ | 122 | 20.0 | 15490 |
| KRUGER | K9614A | 120 | 20.6 | 16250 |
| TERRA | E1088 | 120 | 21.1 | 16160 |
| LG SEEDS | LG 2583 | 119 | 19.9 | 15830 |
| ----- | B73 X N204 | 119 | 23.2 | 14150 |
| RENZE | 6337 | 118 | 22.2 | 16000 |
| KRUGER | K-9811+ | 117 | 19.3 | 15910 |
| M/W GENETICS | G 8511 | 117 | 21.9 | 15580 |
| TERRA | E1106 | 116 | 22.7 | 15330 |
| DEKALB Genetics | DK580 | 115 | 19.2 | 16080 |
| CARGILL | 6888 | 114 | 19.5 | 15910 |
| GOLDEN HARVEST | H-2502 ## | 114 | 19.3 | 14990 |
| DEKALB Genetics | DK559 | 113 | 19.8 | 16160 |

Continued on page 2

# Northeast Dryland Corn Hybrid Tests 1995 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| CARGILL | 7777 | 136 | 21.0 | 1 | 6 | 57.4 |
| SANDS | SOI 9126 | 134 | 18.3 | 4 | 1 | 55.8 |
| RENZE | 6386 | 131 | 19.0 | 3 | 3 | 56.0 |
| RENZE | 6425 | 131 | 20.1 | 1 | 1 | 55.9 |
| MYCOGEN | 2674 | 131 | 18.1 | 2 | 1 | 57.7 |
| Hy-Vigor | 7035 | 127 | 19.3 | 4 | 0 | 55.4 |
| TERRA | TR1087 | 125 | 18.3 | 2 | 3 | 56.1 |
| DEKALB Genetics | DK559 | 124 | 18.3 | 7 | 2 | 56.0 |
| DEKALB Genetics | DK580 | 123 | 18.8 | 6 | 5 | 57.5 |
| ----- | B73 X N204 | 119 | 21.2 | 4 | 5 | 56.9 |
| SANDS | SOI 9137 | 117 | 18.4 | 3 | 1 | 56.0 |
| KRUGER | K9709 | 116 | 18.5 | 2 | 1 | 55.6 |
| TERRA | E1106 | 112 | 20.9 | 3 | 6 | 55.4 |
| Average All Entries | | 125 | 19.2 | 3 | 3 | 56.3 |
| Dif. Req. for Sig. | 5% | NS | 0.8 | NS | NS | NS |
| | 25% | NS | 0.4 | NS | NS | NS |
| | | **3 YEAR AVERAGES** | | | | |
| ----- | B73 X N204 | 142 | 20.9 | 3 | 3 | 56.9 |
| DEKALB Genetics | DK580 | 137 | 18.0 | 5 | 4 | 57.5 |
| Average All Entries | | 140 | 19.4 | 4 | 3 | 57.2 |
| Dif. Req. for Sig. | 5% | NS | NS | 0 | NS | NS |
| | 25% | NS | 0.8 | 0 | NS | NS |

# Northeast Irrigated Corn Hybrid Tests
# Cuming County - 1997

| Brand | Hybrid | Yield Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| M/W GENETICS | G 8440 | 195 | 18.9 | 20 | 0 | 58.0 |
| HAWKEYE | SX55 | 193 | 17.4 | 7 | 0 | 57.8 |
| KRUGER | K9616B | 192 | 18.0 | 9 | 0 | 58.1 |
| SUCROSCO | 9610N | 188 | 17.2 | 10 | 0 | 58.3 |
| SANDS | SOI 9137 | 187 | 16.0 | 5 | 1 | 58.0 |
| TERRA | TR1097 | 187 | 17.9 | 5 | 0 | 57.7 |
| DEKALB Genetics | DK586 | 186 | 16.3 | 11 | 0 | 58.5 |
| M/W GENETICS | G 7711 | 186 | 17.2 | 7 | 0 | 58.1 |
| CROW'S | 366 | 186 | 17.0 | 13 | 0 | 58.7 |
| LYNKS | 2725 | 186 | 17.2 | 8 | 1 | 56.2 |
| LG SEEDS | LG 2579 | 185 | 17.7 | 5 | 0 | 57.9 |
| Hy-Vigor | 7035 | 184 | 17.3 | 4 | 0 | 57.8 |
| KAYSTAR | KX-777 | 183 | 16.9 | 6 | 0 | 57.9 |
| TERRA | TR1087 | 183 | 16.1 | 7 | 0 | 58.1 |
| TERRA | E1106 | 183 | 18.1 | 18 | 1 | 56.7 |
| WILSON | 1664 | 183 | 17.6 | 7 | 0 | 58.0 |
| PIONEER | 3489 ## | 182 | 16.7 | 13 | 0 | 58.5 |
| FONTANELLE | 4966 | 182 | 16.2 | 7 | 0 | 57.6 |
| KRUGER | K-9811+ | 181 | 16.4 | 10 | 0 | 57.1 |
| GIANT SEED | GB 3147 | 181 | 18.5 | 8 | 1 | 58.6 |
| HAWKEYE | 96-500 | 181 | 16.7 | 6 | 0 | 58.0 |
| DEKALB Genetics | DK595 | 180 | 16.6 | 8 | 0 | 59.1 |
| CARGILL | 7770 | 180 | 18.8 | 9 | 0 | 58.8 |
| TERRA | E1066 | 179 | 17.1 | 18 | 0 | 57.2 |
| CARGILL | 6888 | 178 | 17.4 | 11 | 0 | 57.7 |
| SANDS | SOI 9087 | 177 | 16.3 | 12 | 0 | 59.8 |
| LG SEEDS | LG 2539 | 176 | 16.5 | 14 | 0 | 57.2 |
| WILSON | 1438 | 176 | 17.0 | 10 | 1 | 58.8 |
| DEKALB Genetics | DK580 | 175 | 16.7 | 15 | 0 | 58.8 |
| KRUGER | K9614A | 174 | 17.7 | 6 | 0 | 58.2 |
| DEKALB Genetics | DK559 | 173 | 17.0 | 4 | 1 | 57.8 |
| KSC/CHALLENGER | K-9709 | 173 | 16.6 | 9 | 0 | 57.3 |
| LG SEEDS | LG 2560 | 173 | 17.9 | 7 | 0 | 56.4 |
| NORTHRUP KING | N7333 | 173 | 19.7 | 9 | 1 | 58.3 |
| PIONEER | 3162 ## | 173 | 19.7 | 13 | 1 | 59.2 |
| HAWKEYE | 96-250 | 172 | 16.0 | 4 | 0 | 58.5 |
| DEKALB Genetics | DK618 | 171 | 18.0 | 15 | 2 | 58.4 |
| MILLER PREF | MP1072 | 170 | 16.8 | 6 | 0 | 60.6 |
| CURRY | 2182 ## | 170 | 17.1 | 7 | 0 | 57.9 |

**Continued on page 2**

# Northeast Irrigated Corn Hybrid Tests
## Cuming County - 1997 Page 2

| Brand | Hybrid | Yield Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| SANDS | SOI 9115 | 169 | 16.8 | 7 | 0 | 56.6 |
| GIANT SEED | GB 3097 | 169 | 16.4 | 8 | 0 | 57.2 |
| GEERTSON SEED | GS-1067 | 169 | 16.7 | 13 | 0 | 57.7 |
| KSC/CHALLENGER | K-9906 | 169 | 17.0 | 15 | 1 | 57.3 |
| PFISTER | 2025 | 169 | 16.8 | 13 | 0 | 57.7 |
| KRUGER | K-9711+ | 168 | 17.6 | 13 | 0 | 58.2 |
| WILSON | 1435 | 168 | 16.5 | 13 | 0 | 57.2 |
| WILSON | 1570 | 168 | 16.8 | 8 | 0 | 60.8 |
| MYCOGEN | 2677 | 168 | 16.8 | 11 | 0 | 56.6 |
| FONTANELLE | 4567 | 168 | 16.6 | 5 | 0 | 58.3 |
| SANDS | SOI 9045 | 167 | 16.4 | 9 | 1 | 57.7 |
| RENZE | 6287 | 166 | 17.0 | 4 | 1 | 57.3 |
| CROW'S | 395 | 165 | 16.7 | 14 | 0 | 56.7 |
| CROW'S | 445 | 165 | 17.0 | 12 | 0 | 58.0 |
| RENZE | 6167 | 164 | 15.9 | 5 | 0 | 58.4 |
| RENZE | 6327 | 164 | 17.0 | 3 | 0 | 57.8 |
| HY-VIGOR SEEDS | 6880 | 163 | 16.5 | 5 | 0 | 57.3 |
| MILLER PREF | MP1063 | 163 | 16.5 | 4 | 0 | 59.7 |
| ----- | B73 X N204 | 162 | 19.9 | 32 | 0 | 57.6 |
| Hy-Vigor | 7500 | 161 | 17.3 | 5 | 0 | 58.5 |
| FONTANELLE | 5325 | 161 | 17.0 | 6 | 1 | 58.2 |
| FONTANELLE | 4997 | 158 | 16.5 | 8 | 0 | 60.8 |
| RENZE | 6357 | 158 | 17.2 | 3 | 2 | 56.3 |
| JACOBSEN | JS4635 | 155 | 16.8 | 6 | 1 | 57.9 |
| KSC/CHALLENGER | K-9806 | 152 | 16.1 | 5 | 0 | 58.1 |
| JACOBSEN | JS4532 | 149 | 16.5 | 7 | 0 | 57.3 |
| KSC/CHALLENGER | K-9712+ | 146 | 17.5 | 1 | 0 | 56.7 |
| GEERTSON SEED | GS-1007 | 129 | 15.9 | 9 | 0 | 57.0 |
| Average all entries | | 174 | 17.1 | 9 | 0 | 58.0 |
| Dif. Req. for Sig. | 5% | 22 | 0.9 | 8 | NS | 1.0 |
| | 25% | 13 | 0.5 | 5 | NS | 0.6 |

**## Entered by UN-L Agronomy Department**

# Northeast Irrigated Corn Hybrid Tests 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| M/W GENETICS | G 8440 | 193 | 20.5 | 13 | 0 | 58.0 |
| HAWKEYE | SX55 | 190 | 19.0 | 6 | 0 | 57.8 |
| TERRA | E1106 | 187 | 19.4 | 11 | 1 | 56.7 |
| CARGILL | 6888 | 187 | 18.6 | 8 | 0 | 57.7 |
| KRUGER | K9616B | 186 | 19.9 | 5 | 0 | 58.1 |
| DEKALB Genetics | DK580 | 184 | 18.4 | 12 | 0 | 58.8 |
| DEKALB Genetics | DK586 | 183 | 18.8 | 8 | 0 | 58.5 |
| WILSON | 1664 | 180 | 19.4 | 4 | 1 | 58.0 |
| DEKALB Genetics | DK559 | 178 | 18.5 | 8 | 1 | 57.8 |
| PIONEER | 3489 ## | 177 | 18.4 | 9 | 0 | 58.5 |
| Hy-Vigor | 7035 | 177 | 19.4 | 2 | 0 | 57.8 |
| KRUGER | K9614A | 176 | 18.9 | 4 | 0 | 58.2 |
| TERRA | TR1087 | 174 | 18.5 | 5 | 0 | 58.1 |
| CROW'S | 445 | 170 | 18.9 | 7 | 0 | 58.0 |
| RENZE | 6287 | 166 | 19.0 | 4 | 1 | 57.3 |
| SANDS | SOI 9045 | 165 | 18.3 | 6 | 1 | 57.7 |
| LG SEEDS | LG 2560 | 160 | 19.5 | 6 | 0 | 56.4 |
| ----- | B73 X N204 | 157 | 21.5 | 22 | 1 | 57.6 |
| MYCOGEN | 2677 | 152 | 18.7 | 8 | 0 | 56.6 |
| HY-VIGOR SEEDS | 6880 | 144 | 18.6 | 4 | 0 | 57.3 |
| Average All Entries | | 174 | 19.1 | 7 | 0 | 57.8 |
| Dif. Req. for Sig. | 5% | 11 | 0.6 | 4 | NS | NS |
| | 25% | 6 | 0.3 | 2 | NS | NS |
| | | **3 YEAR AVERAGES** | | | | |
| HAWKEYE | SX55 | 165 | 18.0 | 8 | 3 | 57.8 |
| DEKALB Genetics | DK580 | 162 | 17.1 | 13 | 1 | 58.8 |
| TERRA | TR1087 | 159 | 17.5 | 5 | 1 | 58.1 |
| M/W GENETICS | G 8440 | 158 | 18.7 | 13 | 1 | 58.0 |
| KRUGER | K9614A | 156 | 17.8 | 6 | 1 | 58.2 |
| SANDS | SOI 9045 | 153 | 17.4 | 6 | 1 | 57.7 |
| CROW'S | 445 | 141 | 17.8 | 8 | 1 | 58.0 |
| MYCOGEN | 2677 | 136 | 17.6 | 9 | 1 | 56.6 |
| ----- | B73 X N204 | 134 | 20.0 | 19 | 2 | 57.6 |
| HY-VIGOR SEEDS | 6880 | 132 | 17.5 | 9 | 1 | 57.3 |
| Average All Entries | | 150 | 17.9 | 10 | 1 | 57.8 |
| Dif. Req. for Sig. | 5% | NS | 0.5 | 4 | NS | NS |
| | 25% | 8 | 0.3 | 2 | NS | NS |
| | | **4 YEAR AVERAGES** | | | | |
| DEKALB Genetics | DK580 | 157 | 16.9 | 12 | 1 | 58.8 |
| ----- | B73 X N204 | 140 | 20.3 | 16 | 1 | 57.6 |
| Average All Entries | | 148 | 18.6 | 14 | 1 | 58.2 |
| Dif. Req. for Sig. | 5% | NS | 0.7 | NS | NS | NS |
| | 25% | NS | 0.3 | NS | NS | NS |

# Central Irrigated Corn Hybrid Tests
# Custer and Dawson Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Custer bu/a | Dawson bu/a | pct | pct | pct | lb/bu |
| LG SEEDS | LG 2579 | 210 | 215** | 204* | 21.7 | 3 | 1 | 56.9 |
| KRUGER | K-9816 | 207 | 206* | 207* | 25.8 | 5 | 1 | 57.3 |
| OTTILIE | 2467 | 206 | 209* | 202* | 21.5 | 4 | 1 | 57.1 |
| MILLER PREF | MP1123 | 206 | 205* | 207* | 21.9 | 4 | 1 | 56.5 |
| SANDS | SOI 9126 | 205 | 209* | 200* | 21.7 | 3 | 1 | 56.9 |
| CARGILL | 7770 | 205 | 192* | 217** | 25.0 | 5 | 0 | 56.5 |
| M/W GENETICS | G 7711 | 204 | 200* | 207* | 23.2 | 5 | 0 | 57.1 |
| CARGILL | 6888 | 202 | 210* | 194 | 20.8 | 4 | 1 | 57.1 |
| TRIUMPH | 1141 | 201 | 204* | 197 | 20.8 | 4 | 2 | 57.0 |
| KAYSTAR | KX-777 | 201 | 208* | 193 | 22.2 | 3 | 2 | 56.9 |
| HAWKEYE | SX55 | 201 | 198* | 203* | 24.7 | 4 | 1 | 56.9 |
| MILLER PREF | MP1131 | 200 | 212* | 188 | 21.6 | 4 | 1 | 57.2 |
| TRIUMPH | 1220 | 199 | 206* | 191 | 20.0 | 4 | 2 | 56.7 |
| LYNKS | 2725 | 199 | 198* | 199* | 21.0 | 4 | 1 | 57.0 |
| BO-JAC | 409 | 197 | 201* | 192 | 19.4 | 4 | 1 | 57.3 |
| KRUGER | K-9915 | 196 | 183 | 209* | 26.0 | 4 | 0 | 56.1 |
| FONTANELLE | 5117 | 196 | 204* | 187 | 22.0 | 3 | 1 | 56.6 |
| DEKALB Genetics | DK595 | 196 | 182 | 210* | 20.0 | 2 | 0 | 57.2 |
| KSC/CHALLENGER | K-9715+ | 194 | 197* | 191 | 23.6 | 2 | 1 | 56.4 |
| KRUGER | K9616B | 194 | 189 | 199* | 25.8 | 4 | 2 | 56.6 |
| HAWKEYE | SX44A | 194 | 198* | 190 | 21.5 | 4 | 1 | 56.8 |
| RENZE | 6386 | 193 | 196 | 190 | 20.8 | 4 | 2 | 56.6 |
| WILSON | 1664 | 192 | 189 | 194 | 23.1 | 4 | 1 | 56.7 |
| OTTILIE | 5050 | 192 | 199* | 184 | 21.6 | 3 | 1 | 57.0 |
| DEKALB Genetics | DK566 | 192 | 211* | 173 | 17.5 | 7 | 1 | 57.9 |
| MYCOGEN | 7250cb | 190 | 178 | 201* | 24.6 | 4 | 0 | 56.7 |
| MILLER PREF | MP1072 | 190 | 198* | 181 | 19.1 | 4 | 0 | 60.6 |
| BO-JAC | 580 | 190 | 190 | 189 | 24.6 | 3 | 0 | 56.6 |
| KRUGER | K9614A | 189 | 198* | 179 | 22.0 | 6 | 1 | 56.4 |
| OTTILIE | 4810 | 186 | 207* | 164 | 19.1 | 6 | 1 | 56.3 |
| KSC/CHALLENGER | K-9811+ | 186 | 193* | 178 | 23.3 | 4 | 1 | 56.3 |
| CROW'S | 496 | 186 | 192* | 179 | 24.0 | 5 | 1 | 56.4 |
| WILSON | 1644 | 185 | 195* | 175 | 22.3 | 6 | 1 | 57.0 |
| KSC/CHALLENGER | K-9620 | 185 | 161 | 209* | 30.1 | 5 | 1 | 57.3 |
| LG SEEDS | LG 2539 | 184 | 188 | 179 | 19.1 | 7 | 2 | 56.7 |
| RENZE | 6397 | 182 | 174 | 189 | 26.4 | 5 | 2 | 56.1 |
| DEKALB Genetics | DK586 | 182 | 189 | 174 | 17.9 | 5 | 1 | 58.1 |
| BO-JAC | 415 | 182 | 177 | 187 | 23.8 | 6 | 1 | 55.7 |
| OTTILIE | 5550 | 181 | 172 | 189 | 26.8 | 5 | 1 | 55.6 |

**Continued on page 2**

# Central Irrigated Corn Hybrid Tests
# Custer and Dawson Counties - 1997 Page 2

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Custer bu/a | Dawson bu/a | pct | pct | pct | lb/bu |
| KAYSTAR | KX-808 | 180 | 182 | 177 | 23.9 | 2 | 1 | 55.8 |
| BO-JAC | 3607 | 180 | 187 | 172 | 20.3 | 4 | 0 | 57.6 |
| WILSON | 1581 | 179 | 177 | 181 | 20.1 | 6 | 1 | 56.6 |
| FONTANELLE | 4997 | 179 | 187 | 170 | 19.3 | 4 | 1 | 60.3 |
| CROW'S | 550 | 179 | 176 | 181 | 27.3 | 4 | 2 | 55.7 |
| WILSON | 1394 | 178 | 187 | 169 | 19.2 | 3 | 0 | 58.3 |
| KRUGER | K-9806 | 178 | 185 | 171 | 19.4 | 4 | 1 | 57.0 |
| KRUGER | K9716 | 178 | 166 | 190 | 27.5 | 4 | 2 | 55.2 |
| KRUGER | K-9813 | 176 | 174 | 178 | 22.1 | 1 | 1 | 55.6 |
| FTEX | 96118A | 176 | 164 | 187 | 29.6 | 5 | 1 | 54.9 |
| HAWKEYE | 96-601 | 175 | 175 | 174 | 23.4 | 3 | 1 | 55.3 |
| TRIUMPH | 1514 | 174 | 166 | 181 | 25.1 | 3 | 1 | 56.1 |
| KSC/CHALLENGER | K-9713 | 169 | 180 | 158 | 20.4 | 3 | 1 | 55.7 |
| FTEX | 96117A | 168 | 164 | 172 | 28.3 | 5 | 2 | 54.9 |
| PREMIUM SEED | P264 | 159 | 152 | 165 | 27.0 | 12 | 1 | 55.9 |
| LG SEEDS | LG 2574 | 159 | 166 | 152 | 20.3 | 7 | 2 | 56.0 |
| KSC/CHALLENGER | K-9712+ | 159 | 159 | 158 | 19.9 | 3 | 2 | 55.2 |
| CROW'S | 668 | 151 | 141 | 161 | 30.2 | 6 | 3 | 55.5 |
| Average All Entries | | 187 | 188 | 186 | 22.7 | 4 | 1 | 56.6 |
| Dif. Req. for Sig. | 5% | 24 | 23 | 19 | 5.3 | NS | NS | 1.4 |
| | 25% | 14 | 13 | 11 | 3.1 | 2 | NS | 0.8 |

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

# Central Irrigated Corn Hybrid Tests 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| LG SEEDS | LG 2579 | 207 | 19.7 | 2 | 1 | 56.1 |
| KAYSTAR | KX-777 | 206 | 19.5 | 2 | 1 | 55.8 |
| OTTILIE | 2467 | 204 | 19.8 | 2 | 1 | 56.1 |
| CARGILL | 6888 | 202 | 20.0 | 3 | 1 | 56.0 |
| OTTILIE | 5050 | 200 | 19.2 | 2 | 1 | 55.8 |
| HAWKEYE | SX55 | 200 | 20.8 | 3 | 1 | 56.2 |
| CARGILL | 7770 | 200 | 21.7 | 3 | 0 | 56.1 |
| MILLER PREF | MP1123 | 199 | 20.1 | 3 | 1 | 55.5 |
| WILSON | 1664 | 198 | 20.8 | 3 | 1 | 55.7 |
| MILLER PREF | MP1131 | 198 | 19.4 | 3 | 1 | 55.9 |
| LYNKS | 2725 | 196 | 19.3 | 3 | 1 | 56.3 |
| HAWKEYE | SX44A | 196 | 19.1 | 3 | 1 | 55.9 |
| MYCOGEN | 7250cb | 195 | 21.2 | 3 | 1 | 55.5 |
| DEKALB Genetics | DK566 | 191 | 15.7 | 4 | 1 | 57.2 |
| CROW'S | 496 | 191 | 20.8 | 3 | 1 | 55.1 |
| OTTILIE | 4810 | 190 | 17.2 | 4 | 1 | 55.5 |
| DEKALB Genetics | DK586 | 189 | 16.3 | 3 | 1 | 57.1 |
| WILSON | 1581 | 184 | 18.3 | 4 | 2 | 56.2 |
| TRIUMPH | 1514 | 181 | 21.1 | 2 | 1 | 54.7 |
| CROW'S | 668 | 160 | 25.4 | 4 | 2 | 55.0 |
| Average All Entries | | 194 | 19.7 | 3 | 1 | 55.9 |
| Dif. Req. for Sig. | 5% | 5 | 1.1 | NS | NS | 0.3 |
| | 25% | 3 | 0.6 | 1 | NS | 0.2 |
| | | **3 YEAR AVERAGES** | | | | |
| KAYSTAR | KX-777 | 194 | 19.5 | 3 | 1 | 54.7 |
| HAWKEYE | SX55 | 190 | 20.7 | 2 | 1 | 55.3 |
| MILLER PREF | MP1131 | 189 | 19.4 | 2 | 1 | 54.7 |
| HAWKEYE | SX44A | 187 | 19.3 | 3 | 0 | 54.8 |
| LYNKS | 2725 | 185 | 19.5 | 2 | 1 | 55.2 |
| DEKALB Genetics | DK566 | 179 | 16.3 | 4 | 1 | 55.9 |
| WILSON | 1581 | 175 | 18.6 | 4 | 1 | 55.3 |
| CROW'S | 668 | 153 | 25.2 | 3 | 1 | 53.4 |
| Average All Entries | | 181 | 19.8 | 3 | 1 | 54.9 |
| Dif. Req. for Sig. | 5% | 3 | 0.8 | NS | NS | 0.3 |
| | 25% | 2 | 0.4 | 1 | NS | 0.2 |
| | | **4 YEAR AVERAGES** | | | | |
| HAWKEYE | SX44A | 199 | 20.5 | 3 | 0 | 54.4 |
| DEKALB Genetics | DK566 | 193 | 17.1 | 4 | 1 | 55.5 |
| WILSON | 1581 | 187 | 20.2 | 3 | 1 | 54.9 |
| CROW'S | 668 | 173 | 25.9 | 3 | 1 | 53.6 |
| Average All Entries | | 188 | 20.9 | 3 | 1 | 54.6 |
| Dif. Req. for Sig. | 5% | 5 | 0.9 | NS | NS | 0.4 |
| | 25% | 3 | 0.5 | NS | NS | 0.2 |

# Southwest Irrigated Corn Hybrid Tests
# Furnas and Red Willow Counties - 1997

| Brand | Hybrid | Yield Average bu/a | Yield Furnas bu/a | Yield Red Willow bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|---|---|
| CARGILL | 7770 | 247 | 263** | 231* | 16.9 | 6 | 0 | 58.7 |
| LG SEEDS | LG 2579 | 236 | 259 | 212* | 16.1 | 8 | 0 | 58.7 |
| MYCOGEN | 7250cb | 234 | 247 | 221* | 18.2 | 7 | 0 | 56.8 |
| MILLER PREF | MP1133 | 228 | 235 | 220* | 18.8 | 9 | 1 | 55.7 |
| CROW'S | 668 | 228 | 225 | 230* | 18.7 | 8 | 0 | 56.0 |
| BO-JAC | 580 | 227 | 229 | 224* | 17.1 | 5 | 0 | 56.6 |
| KAYSTAR | KX-777 | 226 | 228 | 224* | 16.2 | 8 | 0 | 57.9 |
| DEKALB Genetics | DK632 | 226 | 230 | 221* | 17.7 | 7 | 0 | 57.5 |
| GIANT SEED | GB3147*** | . | . | 216* | 14.9 | 19 | 0 | 60.4 |
| OTTILIE | 5460 | 225 | 235 | 215* | 17.4 | 9 | 1 | 58.2 |
| TRIUMPH | 1522 | 223 | 235 | 211* | 17.8 | 10 | 0 | 58.4 |
| OTTILIE | 2467 | 223 | 243 | 203 | 17.9 | 8 | 1 | 57.1 |
| OTTILIE | 2482X | 218 | 202 | 234** | 17.6 | 3 | 1 | 56.8 |
| RENZE | 6397 | 217 | 218 | 215* | 18.0 | 14 | 1 | 56.5 |
| CARGILL | 6888 | 216 | 216 | 216* | 16.8 | 7 | 0 | 58.2 |
| MYCOGEN | 2828 | 215 | 210 | 219* | 17.3 | 9 | 1 | 56.8 |
| MILLER PREF | MP1154 | 215 | 224 | 205 | 18.9 | 11 | 1 | 56.5 |
| CROW'S | 550 | 215 | 224 | 206 | 17.8 | 8 | 1 | 56.7 |
| KAYSTAR | KX-808 | 213 | 217 | 209* | 16.3 | 8 | 0 | 57.1 |
| GIANT SEED | GB 3145 | 213 | 224 | 202 | 18.1 | 8 | 0 | 57.5 |
| DEKALB Genetics | DK641 | 211 | 215 | 206 | 18.6 | 8 | 0 | 56.5 |
| BO-JAC | 415 | 210 | 218 | 201 | 15.5 | 16 | 0 | 57.9 |
| LYNKS | 2725 | 207 | 214 | 200 | 17.0 | 7 | 0 | 58.6 |
| NC+ | 5697 | 204 | 202 | 206 | 17.4 | 10 | 2 | 56.5 |
| NC+ | 4880*** | . | . | 197 | 14.9 | 19 | 0 | 60.4 |
| OTTILIE | 5550*** | . | . | 197 | 14.9 | 16 | 1 | 58.4 |
| MILLER PREF | MP1123 | 203 | 220 | 185 | 16.5 | 8 | 0 | 58.9 |
| BO-JAC | 3607 | 201 | 213 | 189 | 14.7 | 7 | 0 | 59.0 |
| ----- | B73 X N204 | 199 | 225 | 172 | 20.8 | 16 | 0 | 56.3 |
| RENZE | 815W | 197 | 219 | 174 | 20.5 | 15 | 0 | 56.4 |
| BO-JAC | 409 | 196 | 200 | 192 | 15.6 | 7 | 0 | 59.2 |
| CROW'S | 496 | 195 | 218 | 171 | 17.6 | 19 | 0 | 56.6 |
| RENZE | 6386 | 193 | 206 | 180 | 15.6 | 6 | 0 | 58.9 |
| DEKALB Genetics | DK618 | 191 | 205 | 177 | 15.1 | 9 | 1 | 59.3 |
| DEKALB Genetics | DK595 | 190 | 208 | 172 | 14.5 | 7 | 1 | 58.4 |
| RENZE | 814W | 189 | 194 | 184 | 19.5 | 15 | 0 | 57.5 |
| LG SEEDS | LG 2574 | 178 | 200 | 155 | 15.0 | 11 | 0 | 56.8 |
| Average All Entries | | 209 | 221 | 203 | 16.6 | 11 | 0 | 57.8 |
| Dif. Req. for Sig. | 5% | 20 | NS | 27 | 1.2 | NS | NS | 1.2 |
| | 25% | 11 | 15 | 16 | 0.7 | NS | NS | 0.7 |

*** Lost these hybrids at Furnas County

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

# Southwest Irrigated Corn Hybrid Tests
# 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| OTTILIE | 5460 | 226 | 16.6 | 6 | 1 | 57.1 |
| CARGILL | 7770 | 226 | 16.1 | 4 | 0 | 57.9 |
| MYCOGEN | 7250cb | 221 | 17.3 | 4 | 0 | 55.9 |
| KAYSTAR | KX-777 | 221 | 15.5 | 7 | 1 | 57.1 |
| TRIUMPH | 1522 | 217 | 16.9 | 8 | 1 | 57.4 |
| OTTILIE | 2482X | 217 | 16.7 | 2 | 1 | 55.6 |
| CROW'S | 668 | 209 | 17.4 | 7 | 0 | 55.8 |
| LYNKS | 2725 | 204 | 16.0 | 6 | 1 | 57.7 |
| MILLER PREF | MP1123 | 200 | 15.8 | 8 | 1 | 57.4 |
| CROW'S | 496 | 196 | 16.1 | 12 | 0 | 56.2 |
| ---- | B73 X N204 | 195 | 19.1 | 12 | 1 | 55.8 |
| RENZE | 814W | 189 | 17.5 | 11 | 1 | 58.2 |
| Average All Entries | | 210 | 16.7 | 7 | 1 | 56.8 |
| Dif. Req. for Sig. | 5% | 8 | 0.5 | 2 | NS | NS |
| | 25% | 5 | 0.3 | 1 | 1 | 0.3 |
| | | **3 YEAR AVERAGES** | | | | |
| MYCOGEN | 7250cb | 210 | 17.7 | 8 | 0 | 56.5 |
| KAYSTAR | KX-777 | 208 | 16.0 | 6 | 1 | 57.3 |
| Triumph | 1522 | 200 | 17.5 | 12 | 1 | 57.6 |
| CROW'S | 668 | 197 | 17.7 | 9 | 0 | 56.8 |
| CROW'S | 496 | 187 | 16.6 | 16 | 0 | 56.5 |
| ---- | B73 X N204 | 181 | 19.4 | 13 | 1 | 56.5 |
| Average All Entries | | 197 | 17.5 | 11 | 1 | 56.9 |
| Dif. Req. for Sig. | 5% | 6 | 0.3 | NS | NS | NS |
| | 25% | 3 | 0.2 | 2 | 1 | NS |
| | | **4 YEAR AVERAGES** | | | | |
| MYCOGEN | 7250cb | 208 | 17.6 | 7 | 0 | 56.8 |
| CROW'S | 668 | 204 | 17.8 | 7 | 0 | 56.8 |
| ----- | B73 X N204 | 188 | 19.3 | 10 | 1 | 56.8 |
| Average All Entries | | 200 | 18.2 | 8 | 1 | 56.8 |
| Dif. Req. for Sig. | 5% | NS | 0.2 | NS | NS | NS |
| | 25% | 4 | 0.1 | 1 | NS | NS |

# West Central Irrigated Corn Hybrid Tests
# Lincoln and Dundy Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Lincoln bu/a | Dundy bu/a | pct | pct | pct | lb/bu |
| NC+ | 4880 | 229 | 216* | 242* | 14.8 | 4 | 1 | 57.6 |
| OTTILIE | 5460 | 228 | 215* | 241* | 14.8 | 13 | 1 | 59.5 |
| OTTILIE | 2467 | 227 | 210 | 244* | 14.1 | 9 | 1 | 59.0 |
| SANDS | SOI 9137 | 225 | 207 | 242* | 13.9 | 9 | 1 | 57.9 |
| LYNKS | 2725 | 225 | 213* | 236* | 13.9 | 10 | 1 | 58.1 |
| KAYSTAR | KX-808 | 225 | 204 | 245** | 13.9 | 8 | 1 | 58.0 |
| KAYSTAR | KX-777 | 224 | 217* | 230* | 13.5 | 5 | 0 | 58.8 |
| TRIUMPH | 1522 | 223 | 215* | 231* | 14.5 | 7 | 1 | 59.4 |
| FONTANELLE | 5567 | 221 | 230** | 212 | 14.2 | 10 | 3 | 61.8 |
| MYCOGEN | 7250cb | 220 | 211* | 229* | 14.2 | 7 | 1 | 58.2 |
| HAWKEYE | SX44A | 219 | 205 | 232* | 13.3 | 5 | 1 | 58.7 |
| CROW'S | 550 | 219 | 223* | 215 | 14.8 | 11 | 3 | 57.6 |
| CROW'S | 496 | 218 | 204 | 232* | 14.2 | 12 | 3 | 57.8 |
| CARGILL | 6888 | 218 | 200 | 235* | 14.4 | 9 | 2 | 59.6 |
| NC+ | 4919 | 217 | 208 | 225* | 14.7 | 7 | 0 | 57.1 |
| LG SEEDS | LG 2579 | 217 | 207 | 227* | 13.5 | 10 | 2 | 56.8 |
| HAWKEYE | SX55 | 217 | 221* | 212 | 14.9 | 9 | 2 | 57.5 |
| DEKALB Genetics | DK566 | 216 | 223* | 208 | 11.8 | 5 | 2 | 58.8 |
| WILSON | 1390 | 215 | 214* | 215 | 13.0 | 10 | 1 | 59.3 |
| TRIUMPH | 1220 | 215 | 212* | 218 | 13.8 | 10 | 1 | 57.6 |
| OTTILIE | 2482X | 215 | 197 | 233* | 14.9 | 8 | 1 | 58.1 |
| OTTILIE | 5550 | 215 | 228* | 201 | 15.4 | 7 | 1 | 55.7 |
| CARGILL | 6997 | 214 | 188 | 239* | 14.1 | 5 | 1 | 58.8 |
| FONTANELLE | 5335 | 213 | 209 | 217 | 13.9 | 11 | 1 | 59.1 |
| MILLER PREF | MP1063 | 209 | 179 | 238* | 13.0 | 8 | 1 | 59.4 |
| LG SEEDS | LG 2574 | 207 | 183 | 230* | 13.5 | 14 | 2 | 59.6 |
| WILSON | 1581 | 206 | 206 | 206 | 12.5 | 9 | 1 | 60.1 |
| MILLER PREF | MP1123 | 204 | 211* | 197 | 13.5 | 7 | 1 | 60.5 |
| MILLER PREF | MP1131 | 204 | 203 | 204 | 13.5 | 7 | 2 | 61.7 |
| WILSON | 1394 | 200 | 182 | 218 | 13.6 | 12 | 1 | 57.3 |
| ---- | B73 X N204 | 199 | 208 | 189 | 15.8 | 21 | 3 | 58.2 |
| WILSON | 1664 | 198 | 204 | 191 | 13.4 | 10 | 1 | 58.8 |
| LG SEEDS | LG 2539 | 198 | 191 | 205 | 12.9 | 19 | 2 | 57.8 |
| FONTANELLE | 4997 | 195 | 172 | 217 | 13.1 | 9 | 1 | 58.6 |
| DEKALB Genetics | DK569 | 195 | 194 | 195 | 12.6 | 13 | 2 | 57.7 |
| DEKALB Genetics | DK586 | 191 | 190 | 191 | 12.2 | 8 | 1 | 59.4 |
| MILLER PREF | MP1072 | 189 | 177 | 200 | 12.3 | 15 | 2 | 58.1 |
| CROW'S | 668 | 187 | 205 | 168 | 16.6 | 6 | 1 | 56.4 |
| DEKALB Genetics | DK521 | 185 | 178 | 191 | 11.4 | 10 | 2 | 60.4 |
| Average All Entries | | 211 | 204 | 217 | 13.8 | 9 | 1 | 58.6 |
| Dif. Req. for Sig. | 5% | NS | 19 | 25 | 1.9 | 8 | NS | 1.5 |
| | 25% | NS | 11 | 14 | 1.1 | 5 | NS | 0.9 |

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

# West Central Irrigated Corn Hybrid Tests 1994 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| CROW'S | 496 | 199 | 15.6 | 7 | 2 | 54.8 |
| OTTILIE | 2467 | 196 | 15.7 | 6 | 1 | 56.2 |
| TRIUMPH | 1522 | 193 | 17.0 | 6 | 2 | 54.6 |
| DEKALB Genetics | DK566 | 193 | 12.4 | 4 | 2 | 55.4 |
| MYCOGEN | 7250cb | 192 | 16.0 | 5 | 1 | 56.3 |
| HAWKEYE | SX44A | 192 | 15.2 | 4 | 1 | 55.1 |
| KAYSTAR | KX-777 | 191 | 15.2 | 5 | 0 | 55.4 |
| LYNKS | 2725 | 189 | 15.5 | 7 | 1 | 54.6 |
| FONTANELLE | 5335 | 187 | 16.1 | 7 | 1 | 55.7 |
| OTTILIE | 2482X | 185 | 17.0 | 6 | 1 | 53.6 |
| NC+ | 4919 | 185 | 16.5 | 5 | 1 | 54.0 |
| TRIUMPH | 1220 | 183 | 15.5 | 7 | 1 | 54.5 |
| WILSON | 1581 | 182 | 14.3 | 6 | 1 | 56.2 |
| HAWKEYE | SX55 | 182 | 15.8 | 6 | 2 | 54.5 |
| WILSON | 1664 | 179 | 15.5 | 7 | 1 | 56.0 |
| ----- | B73 X N204 | 176 | 18.1 | 14 | 2 | 54.2 |
| MILLER PREF | MP1131 | 176 | 15.2 | 5 | 2 | 56.5 |
| DEKALB Genetics | DK569 | 169 | 13.0 | 10 | 2 | 55.4 |
| DEKALB Genetics | DK586 | 167 | 13.2 | 5 | 2 | 55.6 |
| Average All Entries | | 185 | 15.4 | 6 | 1 | 55.2 |
| Dif. Req. for Sig. | 5% | 5 | 0.6 | 2 | NS | NS |
| | 25% | 3 | 0.3 | 1 | NS | NS |
| | | **3 YEAR AVERAGES** | | | | |
| CROW'S | 496 | 192 | 16.1 | 6 | 2 | 53.6 |
| MYCOGEN | 7250cb | 191 | 16.9 | 4 | 1 | 54.6 |
| KAYSTAR | KX-777 | 191 | 16.0 | 5 | 0 | 54.3 |
| NC+ | 4919 | 189 | 17.3 | 4 | 1 | 52.9 |
| FONTANELLE | 5335 | 189 | 16.4 | 5 | 1 | 54.3 |
| LYNKS | 2725 | 187 | 16.0 | 5 | 1 | 53.7 |
| WILSON | 1581 | 184 | 14.9 | 6 | 1 | 55.3 |
| MILLER PREF | MP1131 | 181 | 15.9 | 4 | 1 | 55.0 |
| ----- | B73 X N204 | 169 | 19.5 | 13 | 2 | 53.0 |
| Average All Entries | | 186 | 16.5 | 6 | 1 | 54.1 |
| Dif. Req. for Sig. | 5% | NS | 0.4 | 1 | 0 | NS |
| | 25% | 3 | 0.2 | 1 | 0 | 0.4 |
| | | **4 YEAR AVERAGES** | | | | |
| MYCOGEN | 7250cb | 187 | 16.2 | 4 | 1 | 56.1 |
| WILSON | 1581 | 178 | 14.4 | 5 | 1 | 56.1 |
| ----- | B73 X N204 | 175 | 18.9 | 11 | 2 | 54.7 |
| Average All Entries | | 180 | 16.5 | 7 | 1 | 55.6 |
| Dif. Req. for Sig. | 5% | NS | 0.4 | 2 | NS | NS |
| | 25% | NS | 0.2 | 1 | 0 | NS |

# North Central Irrigated Corn Hybrid Tests
# Brown County - 1997

| Brand | Hybrid | Yield Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu | Plant height inches |
|---|---|---|---|---|---|---|---|
| KRUGER | K9614A | 230 | 19.7 | 2 | 1 | 54.7 | 30960 |
| KAYSTAR | KX-777 | 223 | 17.1 | 5 | 1 | 55.4 | 29700 |
| PIONEER | 3411 # | 222 | 17.3 | 9 | 1 | 57.0 | 30470 |
| OTTILIE | 5050 | 222 | 18.0 | 5 | 2 | 54.9 | 30020 |
| HOEGEMEYER | 2612 # | 221 | 16.3 | 6 | 0 | 54.8 | 24810 |
| MILLER PREF | MP1072 | 221 | 16.6 | 2 | 0 | 59.4 | 31490 |
| MYCOGEN | 2677 | 219 | 17.1 | 5 | 2 | 55.4 | 30670 |
| KSC/CHALLENGER | K-9906 | 216 | 16.2 | 8 | 1 | 54.9 | 29980 |
| WILSON | 1644 | 212 | 17.3 | 7 | 1 | 55.8 | 29490 |
| ASGROW | RX601 # | 210 | 16.3 | 11 | 2 | 57.2 | 30500 |
| FONTANELLE | 4997 | 210 | 16.5 | 6 | 3 | 59.0 | 29140 |
| CURRY | 2155 # | 209 | 16.9 | 4 | 0 | 57.7 | 30760 |
| PIONEER | 3563 ## | 208 | 15.4 | 3 | 0 | 58.6 | 30940 |
| LG SEEDS | NB 471 # | 208 | 18.0 | 4 | 1 | 55.7 | 31480 |
| FTEX | 96117A | 208 | 21.7 | 5 | 1 | 53.2 | 27840 |
| LG SEEDS | LG 2583 | 207 | 17.7 | 6 | 2 | 54.0 | 29840 |
| COOP | 7373 | 207 | 15.5 | 6 | 1 | 57.5 | 30360 |
| MILLER PREF | MP1063 | 207 | 17.1 | 4 | 1 | 56.9 | 30250 |
| KRUGER | K-9811+ | 206 | 17.7 | 4 | 0 | 55.1 | 30260 |
| CURRY | 2161 # | 205 | 15.6 | 8 | 1 | 56.8 | 29790 |
| KSC/CHALLENGER | K-9807 | 205 | 15.9 | 6 | 1 | 56.6 | 28690 |
| COOP | 7560 | 205 | 16.5 | 4 | 2 | 57.7 | 30930 |
| OTTILIE | 2453 | 205 | 16.7 | 3 | 0 | 55.2 | 30500 |
| DEKALB Genetics | DK586 | 205 | 16.0 | 4 | 1 | 55.7 | 33400 |
| CURRY | 2163 # | 204 | 16.3 | 13 | 2 | 54.9 | 29530 |
| GOLDEN HARVEST | H-2493 ## | 204 | 17.4 | 7 | 2 | 54.6 | 30870 |
| LG SEEDS | LG 2560 | 204 | 17.8 | 7 | 2 | 53.9 | 31050 |
| KRUGER | K9709 | 204 | 16.6 | 12 | 2 | 54.7 | 27190 |
| KSC/CHALLENGER | K-9513 | 202 | 19.2 | 6 | 0 | 54.8 | 26870 |
| KSC/CHALLENGER | K-9910 | 202 | 17.5 | 5 | 0 | 57.9 | 31590 |
| CARGILL | 6303 | 202 | 16.4 | 3 | 4 | 55.8 | 31230 |
| KRUGER | K-9806 | 200 | 15.6 | 5 | 2 | 56.2 | 31160 |
| KRUGER | K-9711+ | 200 | 16.9 | 9 | 0 | 54.8 | 29730 |
| GOLDEN HARVEST | H-2441 ## | 198 | 16.0 | 14 | 0 | 55.2 | 32410 |
| LG SEEDS | LG 2539 | 198 | 16.5 | 16 | 1 | 54.5 | 26100 |
| LG SEEDS | LG 2574 | 197 | 15.9 | 9 | 2 | 55.3 | 29180 |
| OTTILIE | 2439 | 197 | 16.2 | 2 | 1 | 57.5 | 29630 |
| FTEX | 96118A | 197 | 23.0 | 3 | 2 | 52.6 | 32210 |

**Continued on page 2**

# North Central Irrigated Corn Hybrid Tests
# Brown County - 1997 Page 2

| Brand | Hybrid | Yield Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu | Plant height inches |
|---|---|---|---|---|---|---|---|
| HOEGEMEYER | 2592 # | 196 | 15.9 | 6 | 2 | 55.0 | 31040 |
| CROW'S | 375 # | 196 | 16.0 | 13 | 0 | 56.7 | 31350 |
| ASGROW | RX670 # | 196 | 18.3 | 4 | 0 | 54.6 | 31270 |
| COOP | 7242 | 196 | 14.9 | 9 | 0 | 56.2 | 30880 |
| CROW'S | 445 | 196 | 18.1 | 9 | 1 | 55.9 | 31060 |
| DEKALB Genetics | DK559 | 194 | 14.8 | 9 | 1 | 55.9 | 31010 |
| CURRY | 2151 # | 193 | 15.8 | 5 | 0 | 56.7 | 29490 |
| COOP | 7404 | 193 | 15.1 | 5 | 2 | 57.7 | 27810 |
| WILSON | 1394 | 193 | 15.8 | 7 | 1 | 56.6 | 31480 |
| PIONEER | 3568 # | 192 | 15.2 | 6 | 1 | 57.8 | 31250 |
| KRUGER | K-9813 | 191 | 17.8 | 4 | 2 | 54.2 | 27110 |
| GOLDEN HARVEST | H-2390 ## | 191 | 14.8 | 2 | 1 | 57.0 | 30530 |
| KSC/CHALLENGER | K-9812 | 191 | 19.8 | 6 | 1 | 56.5 | 29840 |
| FONTANELLE | 4193 | 191 | 16.5 | 5 | 0 | 57.5 | 28880 |
| WILSON | 1435 | 191 | 16.6 | 11 | 0 | 54.6 | 25570 |
| HOEGEMEYER | 2591 # | 189 | 14.2 | 3 | 1 | 58.3 | 28960 |
| PIONEER | 3730 # | 189 | 14.9 | 6 | 1 | 59.1 | 32190 |
| WILSON | 1468 | 189 | 15.8 | 7 | 1 | 57.9 | 30220 |
| MYCOGEN | 2545 | 188 | 14.2 | 2 | 1 | 58.1 | 30390 |
| CARGILL | X5606 | 188 | 15.2 | 5 | 0 | 57.2 | 29700 |
| PIONEER | 3559 # | 186 | 15.4 | 13 | 0 | 58.4 | 30910 |
| GOLDEN HARVEST | H-2478 # | 185 | 15.8 | 8 | 1 | 54.7 | 29950 |
| KAYSTAR | X7106 | 184 | 16.4 | 11 | 2 | 54.6 | 28930 |
| LG SEEDS | LG 2511 | 176 | 15.6 | 5 | 1 | 55.5 | 26860 |
| OTTILIE | 2431 | 176 | 15.7 | 6 | 2 | 56.0 | 32100 |
| HOEGEMEYER | 2614 # | 175 | 15.6 | 6 | 1 | 58.9 | 29400 |
| ASGROW | RX530 # | 172 | 15.3 | 4 | 1 | 57.1 | 27310 |
| CARGILL | 4277 | 168 | 15.4 | 9 | 3 | 56.6 | 31770 |
| DEKALB Genetics | DK521 | 166 | 15.2 | 5 | 1 | 57.6 | 26260 |
| GOLDEN HARVEST | H-2292 # | 165 | 13.7 | 4 | 0 | 57.6 | 27830 |
| Average All Entries | | 198 | 16.5 | 6 | 1 | 56.3 | 29900 |
| Dif. Req. for Sig. | 5% | 19 | 0.9 | 5 | NS | 1.0 | 3100 |
| | 25% | 11 | 0.5 | 3 | 1 | 0.6 | 1830 |

**# Entered by Brown County Corn Growers**
**## Entered by UN-L Agronomy Department**

# North Central Irrigated Corn Hybrid Tests 1995 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **2 YEAR AVERAGES** | | | | |
| LG SEEDS | LG 2560 | 213 | 17.7 | 5 | 1 | 52.9 |
| DEKALB Genetics | DK586 | 210 | 15.4 | 4 | 1 | 55.5 |
| CARGILL | 6303 | 210 | 16.4 | 2 | 2 | 54.5 |
| COOP | 7373 | 208 | 15.3 | 4 | 1 | 56.9 |
| ASGROW | RX601 # | 208 | 15.9 | 8 | 1 | 56.3 |
| CURRY | 2163 # | 207 | 15.9 | 8 | 1 | 54.5 |
| COOP | 7560 | 206 | 16.2 | 3 | 1 | 56.8 |
| CROW'S | 375 # | 204 | 15.9 | 8 | 1 | 56.1 |
| PIONEER | 3563 ## | 202 | 15.1 | 2 | 0 | 57.7 |
| FONTANELLE | 4193 | 200 | 16.1 | 4 | 0 | 57.1 |
| CROW'S | 445 | 200 | 17.3 | 6 | 1 | 54.9 |
| COOP | 7404 | 199 | 14.9 | 4 | 2 | 56.8 |
| PIONEER | 3568 # | 197 | 14.8 | 4 | 1 | 56.9 |
| OTTILIE | 2439 | 196 | 15.9 | 2 | 1 | 57.0 |
| GOLDEN HARVEST | H-2390 ## | 191 | 14.6 | 2 | 1 | 56.3 |
| OTTILIE | 2431 | 190 | 15.8 | 4 | 2 | 55.0 |
| LG SEEDS | LG 2511 | 188 | 15.9 | 4 | 1 | 54.6 |
| Average All Entries | | 202 | 15.8 | 4 | 1 | 55.8 |
| Dif. Req. for Sig. | 5% | NS | 0.2 | NS | NS | 0.3 |
| | 25% | 3 | 0.1 | 1 | NS | 0.2 |
| | | **3 YEAR AVERAGES** | | | | |
| CROW'S | 445 | 186 | 17.6 | 6 | 2 | 54.1 |
| CARGILL | 6303 | 185 | 16.8 | 2 | 2 | 53.8 |
| OTTILIE | 2431 | 176 | 15.8 | 4 | 1 | 54.4 |
| FONTANELLE | 4193 | 176 | 16.5 | 4 | 0 | 56.5 |
| LG SEEDS | LG 2511 | 175 | 15.9 | 4 | 1 | 54.2 |
| Average All Entries | | 179 | 16.5 | 4 | 1 | 54.6 |
| Dif. Req. for Sig. | 5% | NS | 0.4 | NS | NS | 0.3 |
| | 25% | NS | 0.2 | 1 | NS | 0.2 |

# Southwest Ecofallow Corn Hybrid Tests
# Hayes and Lincoln Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Droppec ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Hayes bu/a | Lincoln bu/a | pct | pct | pct | lb/bu |
| MYCOGEN | 7250cb | 108 | 109** | 107 | 15.8 | 5 | 1 | 56.8 |
| CARGILL | 7770 | 105 | 99* | 111* | 17.6 | 4 | 3 | 57.3 |
| NC+ | 4616 | 102 | 100* | 103 | 14.8 | 5 | 4 | 57.0 |
| OTTILIE | 2467 | 100 | 83 | 117** | 15.8 | 4 | 4 | 57.1 |
| NC+ | 4880 | 99 | 85 | 113* | 15.9 | 6 | 6 | 57.8 |
| CARGILL | 6888 | 99 | 88 | 109* | 15.9 | 4 | 5 | 56.6 |
| DEKALB Genetics | DK569 | 97 | 93* | 101 | 12.6 | 7 | 2 | 55.7 |
| MILLER PREF | MP1072 | 96 | 89 | 102 | 13.2 | 7 | 4 | 59.5 |
| ----- | B73 X N204 | 91 | 86 | 95 | 17.9 | 10 | 7 | 56.6 |
| MYCOGEN | 2677 | 86 | 79 | 93 | 12.5 | 6 | 2 | 57.2 |
| Average All Entries | | 100 | 91 | 105 | 15.4 | 5 | 4 | 57.2 |
| Dif. Req. for Sig. | 5% | NS | 18 | 9 | 2.1 | NS | NS | 1.2 |
| | 25% | NS | 10 | 5 | 1.1 | NS | NS | 0.7 |

**** denotes top yielding hybrid at each location**

*** denotes hybrids not significantly different than top yielding hybrid**

# Southwest Ecofallow Corn Hybrid Tests
# 1995 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | | |
| MYCOGEN | 7250cb | 113 | 21.2 | 4 | 1 | 54.1 |
| NC+ | 4616 | 101 | 21.2 | 4 | 5 | 54.2 |
| ----- | B73 X N204 | 92 | 25.7 | 7 | 5 | 53.9 |
| Average All Entries | | 102 | 22.7 | 5 | 3 | 54.0 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS | 0.1 |
| | 25% | 2 | 0.7 | NS | NS | 0.1 |
| | | 3 YEAR AVERAGES | | | | |
| NC+ | 4616 | 87 | 20.7 | 4 | 5 | 53.2 |
| ----- | B73 X N204 | 74 | 24.4 | 8 | 4 | 52.8 |
| Average All Entries | | 80 | 22.5 | 6 | 4 | 53.0 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS | 0.1 |
| | 25% | 2 | 0.5 | 1 | NS | 0.1 |

# West Valley Irrigated Corn Hybrid Tests
# Scotts Bluff and Morrill Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Bushel weight | Plant height |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | SB bu/a | Morrill bu/a | pct | pct | lb/bu | inches |
| DEKALB Genetics | DK493 | 193 | 208* | 177* | 15.8 | 0 | 56.2 | 105 |
| FONTANELLE | 4567 | 192 | 214** | 169* | 18.8 | 1 | 55.4 | 113 |
| KAYSTAR | KX-625 | 190 | 212* | 167* | 16.7 | 1 | 56.6 | 111 |
| MYCOGEN | 2395 | 189 | 208* | 170* | 14.9 | 1 | 58.7 | 96 |
| DEKALB Genetics | DK477 | 189 | 208* | 169* | 15.4 | 1 | 56.4 | 102 |
| GRAND VALLEY | SX1231 | 188 | 206* | 170* | 16.4 | 2 | 55.9 | 106 |
| GRAND VALLEY | GVX7297 | 187 | 201* | 172* | 15.9 | 3 | 56.0 | 107 |
| GRAND VALLEY | SX1218 | 182 | 209* | 154 | 18.5 | 1 | 53.4 | 106 |
| MYCOGEN | 2500 | 181 | 207* | 155 | 16.3 | 0 | 57.1 | 93 |
| FONTANELLE | 3946 | 179 | 196 | 161* | 14.8 | 2 | 56.9 | 101 |
| GRAND VALLEY | SX1215 | 177 | 213* | 141 | 16.7 | 1 | 53.7 | 104 |
| DEKALB Genetics | DK449 | 177 | 204* | 149 | 15.8 | 1 | 56.4 | 99 |
| MYCOGEN | 2545 | 176 | 205* | 146 | 16.9 | 0 | 56.4 | 99 |
| CARGILL | 3677 ## | 176 | 192 | 160* | 14.7 | 3 | 58.4 | 102 |
| MILLER PREF | MP1022 | 161 | 186 | 135 | 17.0 | 1 | 56.4 | 95 |
| CARGILL | 2777 | 154 | 181 | 126 | 14.2 | 0 | 59.2 | 99 |
| GEERTSON SEED | GS-907 | 144 | 158 | 129 | 14.9 | 1 | 58.1 | 102 |
| GEERTSON SEED | GS-957 | 144 | 163 | 125 | 14.5 | 2 | 56.5 | 98 |
| Average All Entries | | 177 | 198 | 155 | 16.0 | 1 | 56.5 | 102 |
| Dif. Req. for Sig. | 5% | 19 | 16 | 21 | 1.1 | 1 | 0.9 | 6 |
| | 25% | 10 | 10 | 12 | 0.6 | 1 | 0.5 | 4 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
*** denotes hybrids not significantly different than top yielding hybrid**

# West Table Irrigated Corn Hybrid Tests
# Box Butte and Cheyenne Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Bushel weight | Plant height |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | BB bu/a | Chey bu/a | pct | pct | lb/bu | inches |
| DEKALB Genetics | DK449 | 144 | 158 | 130** | 18.0 | 4 | 53.5 | 87 |
| MYCOGEN | 2395 | 142 | 163 | 120 | 16.0 | 8 | 56.4 | 84 |
| GRAND VALLEY | GVX7297 | 141 | 159 | 122* | 19.8 | 19 | 52.6 | 93 |
| DEKALB Genetics | DK442 | 137 | 157 | 117 | 16.7 | 3 | 53.6 | 92 |
| MYCOGEN | 2500 | 136 | 161 | 111 | 17.7 | 14 | 53.4 | 83 |
| GRAND VALLEY | SX1215 | 136 | 154 | 117 | 19.7 | 2 | 51.1 | 93 |
| DEKALB Genetics | DK385B | 136 | 157 | 114 | 15.3 | 6 | 55.5 | 90 |
| CARGILL | 3677 ## | 136 | 153 | 118 | 17.9 | 5 | 54.7 | 94 |
| CARGILL | 2777 | 136 | 166** | 106 | 14.8 | 8 | 58.7 | 81 |
| CARGILL | 4111 | 135 | 148 | 121 | 21.1 | 6 | 54.0 | 101 |
| KAYSTAR | KX-575 | 127 | 164 | 89 | 16.6 | 6 | 53.1 | 93 |
| DEKALB Genetics | DK417 | 124 | 155 | 93 | 14.3 | 6 | 54.7 | 88 |
| GRAND VALLEY | SX1167 | 117 | 151 | 83 | 15.9 | 2 | 50.7 | 91 |
| Average All Entries | | 134 | 157 | 111 | 17.2 | 7 | 54.0 | 90 |
| Dif. Req. for Sig. | 5% | NS | NS | 8 | 2.4 | NS | 3.4 | 6 |
| | 25% | NS | 8 | 5 | 1.3 | NS | 1.9 | 3 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
* **denotes hybrids not significantly different than top yielding hybrid**

# West Early Maturing Ecofallow Corn Hybrid Tests
# Lincoln and Cheyenne Counties - 1997

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Plant height |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Lincoln bu/a | Chey bu/a | pct | pct | pct | inches |
| CARGILL | 4111 | 78 | 101** | 55* | 13.9 | 7 | 7 | 83 |
| OTTILIE | 2439 | 77 | 95* | 58** | 16.8 | 3 | 3 | 84 |
| DEKALB Genetics | DK449 | 75 | 92 | 57* | 12.0 | 3 | 2 | 76 |
| OTTILIE | 2431 | 74 | 97* | 50 | 13.4 | 2 | 4 | 76 |
| CARGILL | 3677 ## | 74 | 95* | 53* | 12.4 | 2 | 4 | 79 |
| DEKALB Genetics | DK442 | 70 | 87 | 52* | 12.0 | 12 | 7 | 80 |
| MYCOGEN | 2275 | 69 | 89 | 49 | 11.8 | 10 | 5 | 75 |
| Average All Entries | | 74 | 94 | 53 | 13.2 | 6 | 5 | 79 |
| Dif. Req. for Sig. | 5% | NS | 8 | 7 | NS | 5 | NS | 3 |
| | 25% | 4 | 5 | 4 | 1.6 | 3 | NS | 2 |

**## Entered by UN-L Agronomy Department**
**** denotes top yielding hybrid at each location**
* **denotes hybrids not significantly different than top yielding hybrid**

## West Table Irrigated Corn Hybrid Tests 1996 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Bushel weight lb/bu | Plant height inches |
|---|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | | |
| DEKALB Genetics | DK442 | 167 | 16.1 | 3 | 54.0 | 98 |
| MYCOGEN | 2500 | 165 | 17.6 | 14 | 54.3 | 92 |
| Average All Entries | | 166 | 16.9 | 9 | 54.1 | 95 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS | NS |
| | 25% | 1 | 0.5 | NS | NS | 2 |

## West Valley Irrigated Corn Hybrid Tests 1995 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu | Plant height inches |
|---|---|---|---|---|---|---|---|
| | | 2 YEAR AVERAGES | | | | | |
| DEKALB Genetics | DK493 | 187 | 14.3 | 2 | 0 | 52.9 | 86 |
| DEKALB Genetics | DK527 | 175 | 14.6 | 2 | 0 | 52.5 | 85 |
| GRAND VALLEY | SX1232 | 172 | 16.4 | 2 | 1 | 54.0 | 82 |
| Average All Entries | | 178 | 15.1 | 2 | 0 | 53.1 | 84 |
| Dif. Req. for Sig. | 5% | NS | 0.4 | NS | NS | NS | NS |
| | 25% | 2 | 0.2 | NS | NS | NS | NS |
| | | 3 YEAR AVERAGES | | | | | |
| DEKALB Genetics | DK493 | 191 | 15.1 | 1 | 0 | 52.9 | 90 |
| DEKALB Genetics | DK527 | 179 | 16.3 | 1 | 0 | 52.6 | 87 |
| Average All Entries | | 185 | 15.7 | 1 | 0 | 52.7 | 89 |
| Dif. Req. for Sig. | 5% | NS | NS | NS | NS | NS | NS |
| | 25% | 1 | NS | NS | NS | NS | NS |

# Central Nebraska White Corn Hybrid Tests - 1997
# Clay and Dawson Counties

| Brand | Hybrid | Yield | | | Grain moisture | Broken stalk | Dropped ear | Bushel weight |
|---|---|---|---|---|---|---|---|---|
| | | Average bu/a | Clay bu/a | Dawson bu/a | pct | pct | pct | lb/bu |
| YllwChk | Pioneer 3394 | 176 | 181** | 171* | 17.3 | 22 | 5 | 59.3 |
| Pioneer | 32H39 | 174 | 172* | 175** | 18.9 | 23 | 4 | 59.6 |
| Pioneer | X1156MW | 174 | 172* | 175** | 18.9 | 23 | 4 | 59.6 |
| Vineyard | V448W | 164 | 153 | 175** | 19.6 | 23 | 4 | 59.6 |
| Asgrow | XP7767W | 163 | 152 | 174* | 19.4 | 13 | 3 | 57.1 |
| IFSI | 95-2 | 160 | 166* | 154* | 19.1 | 37 | 5 | 58.4 |
| LG Seeds | X58-605W | 160 | 165* | 155* | 18.4 | 29 | 6 | 58.7 |
| DeKalb | EXP764WB | 160 | 158* | 161* | 18.4 | 39 | 10 | 59.1 |
| Wilson | 1780W | 154 | 169* | 138 | 22.2 | 23 | 6 | 55.9 |
| Vineyard | V453W | 153 | 165* | 141* | 19.9 | 29 | 3 | 58.4 |
| Diener | DB114W | 150 | 155* | 144* | 21.6 | 35 | 5 | 56.7 |
| Trisler | T-4211W | 149 | 147 | 150* | 18.7 | 41 | 6 | 59.8 |
| Sturdy Grow | SG765W | 148 | 152 | 144* | 18.0 | 54 | 2 | 59.8 |
| Garst | 8320W | 147 | 145 | 148* | 19.7 | 36 | 8 | 59.6 |
| Whisnand | 50AW | 147 | 153 | 141* | 18.4 | 45 | 6 | 59.2 |
| Whisnand | 51AW | 146 | 165* | 126 | 19.4 | 44 | 7 | 59.9 |
| Zimmerman | Z73W | 145 | 168* | 121 | 19.6 | 33 | 8 | 58.1 |
| DeKalb | EXP764W | 141 | 164* | 117 | 19.1 | 35 | 3 | 59.5 |
| Sturdy Grow | SG777W | 141 | 144 | 137 | 20.1 | 47 | 4 | 59.0 |
| Vineyard | V438W | 141 | 144 | 137 | 19.4 | 24 | 2 | 58.8 |
| Pioneer | 3463W | 139 | 148 | 130 | 16.6 | 35 | 4 | 60.3 |
| Sturdy Grow | SG781W | 137 | 137 | 136 | 19.2 | 48 | 4 | 58.0 |
| Garst | 8490W | 137 | 133 | 140 | 18.5 | 35 | 7 | 58.0 |
| Wilson | 1790W | 136 | 155* | 116 | 20.5 | 22 | 5 | 59.2 |
| DeKalb | EXP766W | 136 | 153 | 118 | 19.1 | 34 | 2 | 60.8 |
| Wilson | E1744 | 135 | 151 | 118 | 19.0 | 28 | 9 | 57.1 |
| Vineyard | V413W | 135 | 153 | 116 | 18.0 | 27 | 6 | 60.5 |
| LG Seeds | NB749W | 135 | 150 | 119 | 19.7 | 50 | 5 | 57.6 |
| IFSI | 90-1 | 134 | 139 | 129 | 19.6 | 34 | 7 | 59.4 |
| Vineyard | V424W | 134 | 162* | 105 | 20.7 | 30 | 4 | 58.1 |
| IFSI | 93-4 | 133 | 162* | 104 | 19.3 | 40 | 8 | 59.2 |
| Vineyard | Vx4296 | 130 | 167* | 93 | 17.3 | 29 | 4 | 62.5 |
| YllwChk | B73 x Mo17 | 130 | 140 | 119 | 18.3 | 35 | 8 | 57.1 |
| Hoegemeyer | 1142W | 130 | 138 | 122 | 23.8 | 37 | 5 | 57.1 |
| Vineyard | V414W | 129 | 145 | 112 | 18.3 | 33 | 2 | 62.2 |
| Wilson | 1732W | 129 | 140 | 118 | 20.9 | 27 | 9 | 55.8 |
| Sturdy Grow | SG735W | 129 | 150 | 107 | 17.8 | 34 | 7 | 59.0 |
| Sturdy Grow | SG797W | 128 | 138 | 117 | 19.9 | 44 | 2 | 57.2 |
| Garst | 8527W | 127 | 142 | 111 | 15.6 | 34 | 3 | 60.7 |
| LG Seeds | NB742W | 127 | 136 | 117 | 19.1 | 23 | 6 | 56.2 |
| Garst | N4309W | 126 | 136 | 115 | 19.3 | 36 | 4 | 60.0 |
| Vineyard | V449W | 124 | 138 | 109 | 19.7 | 38 | 6 | 59.3 |
| Pioneer | 3443W | 122 | 146 | 98 | 15.8 | 41 | 9 | 61.2 |
| NC+ | 5633W | 119 | 137 | 100 | 18.4 | 53 | 5 | 58.9 |
| IFSI | 97-2 | 117 | 137 | 97 | 15.9 | 40 | 7 | 60.5 |
| LG Seeds | X64-600W | 111 | 124 | 97 | 17.8 | 33 | 6 | 59.8 |
| Average All Entries | | 140 | 151 | 129 | 19.0 | 34 | 5 | 59.0 |
| Dif. Req. for Sig. | 5% | 26 | 26 | 36 | 1.2 | 17 | NS | 1.6 |
| | 25% | 15 | 15 | 21 | 0.7 | 10 | 3 | 0.9 |

# Central Nebraska White Corn Hybrid Tests
# Clay and Dawson Counties 1993 - 1997

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **Two Year Averages** | | | | |
| YllwChk | Pioneer 3394 | 174 | 16.4 | 16 | 4 | 58.1 |
| Wilson | 1780W | 163 | 21.7 | 15 | 4 | 54.1 |
| IFSI | 95-2 | 160 | 17.7 | 23 | 6 | 58.2 |
| Vineyard | V448W | 153 | 19.4 | 16 | 5 | 57.8 |
| Whisnand | 50AW | 153 | 17.3 | 29 | 7 | 59.0 |
| Trisler | T-4211W | 152 | 17.6 | 26 | 6 | 59.1 |
| Wilson | 1790W | 151 | 20.7 | 14 | 4 | 55.8 |
| Whisnand | 51AW | 145 | 18.1 | 28 | 8 | 59.5 |
| IFSI | 90-1 | 144 | 18.1 | 24 | 6 | 58.7 |
| Wilson | 1732W | 144 | 19.9 | 18 | 6 | 54.4 |
| Vineyard | V424W | 142 | 19.6 | 18 | 4 | 56.7 |
| Pioneer | 3463W | 141 | 16.0 | 21 | 3 | 58.3 |
| Asgrow | XP7767W | 140 | 19.0 | 17 | 3 | 56.4 |
| YllwChk | B73 x Mo17 | 140 | 17.5 | 22 | 7 | 55.4 |
| Sturdy Grow | SG765W | 139 | 17.4 | 34 | 6 | 58.0 |
| Vineyard | V438W | 139 | 18.3 | 16 | 3 | 57.8 |
| LG Seeds | NB749W | 137 | 19.0 | 30 | 4 | 57.1 |
| Sturdy Grow | SG781W | 137 | 18.4 | 30 | 5 | 55.7 |
| Hoegemeyer | 1142W | 135 | 22.9 | 23 | 6 | 55.7 |
| Zimmerman | Z73W | 135 | 18.0 | 20 | 6 | 57.9 |
| Sturdy Grow | SG777W | 134 | 18.5 | 29 | 6 | 58.2 |
| Vineyard | V449W | 131 | 19.6 | 25 | 7 | 57.6 |
| Vineyard | V413W | 130 | 17.2 | 18 | 7 | 59.5 |
| NC+ | 5633W | 127 | 18.1 | 35 | 7 | 57.2 |
| LG Seeds | NB742W | 127 | 19.1 | 16 | 5 | 55.1 |
| IFSI | 93-4 | 127 | 17.9 | 26 | 7 | 57.2 |
| Sturdy Grow | SG797W | 127 | 19.4 | 27 | 4 | 56.4 |
| Vineyard | V414W | 125 | 17.4 | 23 | 4 | 60.2 |
| Pioneer | 3443W | 118 | 15.3 | 28 | 10 | 59.9 |
| Average All Entries | | 140 | 18.4 | 23 | 5 | 57.4 |
| Dif. Req. for Sig. 5% | | 9 | 0.5 | NS | NS | 0.8 |
| 25% | | 5 | 0.3 | 3 | NS | 0.4 |
| | | **Three Year Averages** | | | | |
| YllwChk | Pioneer 3394 | 163 | 15.5 | 14 | 3 | 58.1 |
| Wilson | 1780W | 148 | 20.5 | 12 | 6 | 54.1 |
| Vineyard | V448W | 145 | 18.1 | 16 | 4 | 57.8 |
| Vineyard | V424W | 137 | 17.9 | 15 | 4 | 56.7 |
| IFSI | 95-2 | 136 | 16.8 | 22 | 10 | 58.2 |
| LG Seeds | NB749W | 134 | 17.7 | 22 | 4 | 57.1 |
| Sturdy Grow | SG765W | 133 | 16.6 | 32 | 7 | 58.0 |
| Pioneer | 3463W | 133 | 15.3 | 15 | 3 | 58.3 |
| Wilson | 1790W | 133 | 19.2 | 13 | 8 | 55.8 |
| Vineyard | V438W | 132 | 17.1 | 12 | 3 | 57.8 |
| YllwChk | B73 x Mo17 | 130 | 16.5 | 18 | 11 | 55.4 |
| Hoegemeyer | 1142W | 130 | 22.3 | 21 | 6 | 55.7 |
| LG Seeds | NB742W | 129 | 17.9 | 14 | 4 | 55.1 |
| Vineyard | V449W | 129 | 18.4 | 24 | 8 | 57.6 |
| Sturdy Grow | SG797W | 126 | 18.3 | 26 | 6 | 56.4 |

**Continued on page 2**

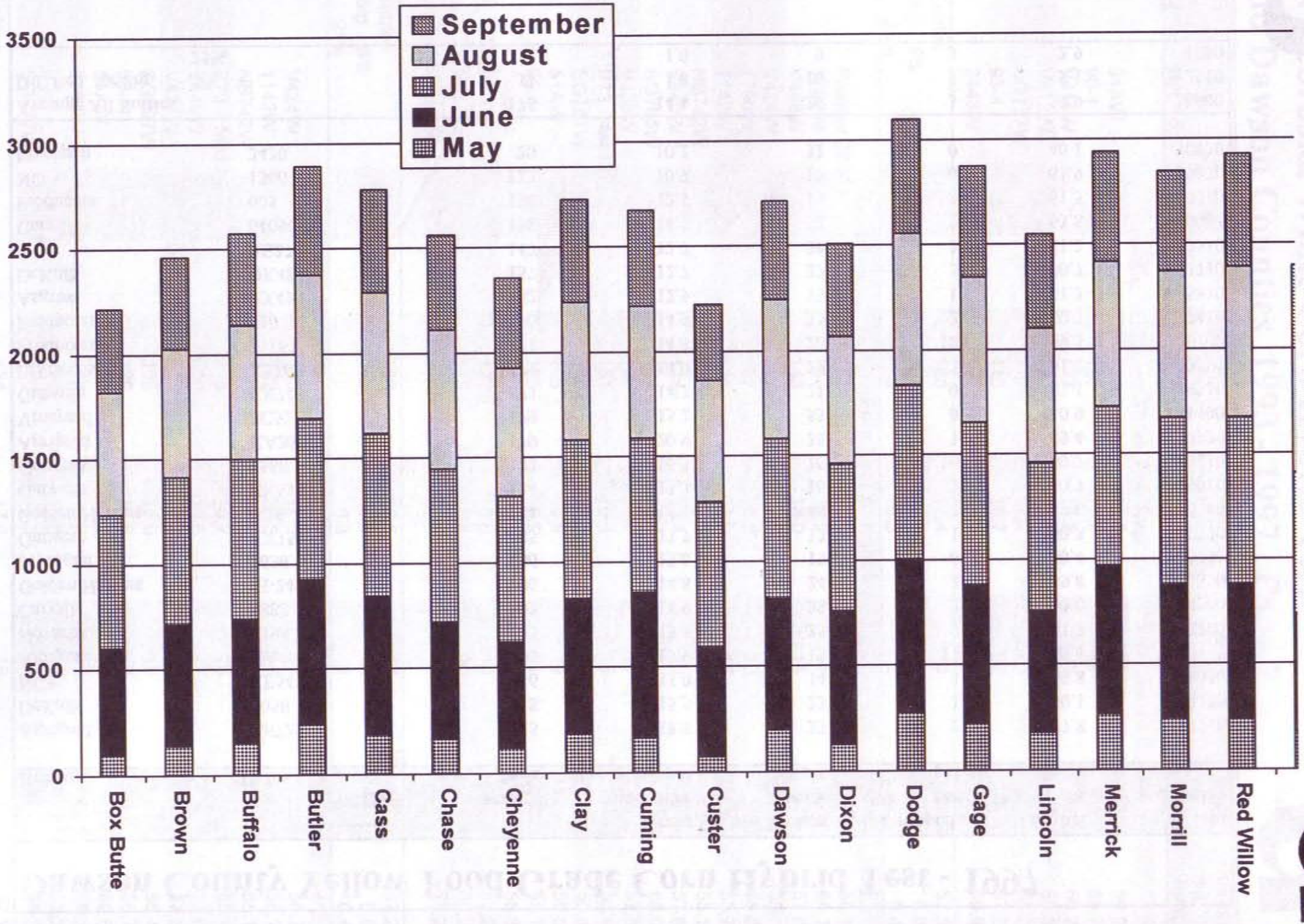
# Central Nebraska White Corn Hybrid Tests
# Clay and Dawson Counties 1993 - 1997 Page 2

| Brand | Hybrid | Average Yield bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu |
|---|---|---|---|---|---|---|
| | | **Three Year Averages (Continued)** | | | | |
| Whisnand | 51AW | 125 | 17.0 | 22 | 13 | 59.5 |
| IFSI | 90-1 | 123 | 16.9 | 22 | 13 | 58.7 |
| Vineyard | V414W | 122 | 16.2 | 20 | 4 | 60.2 |
| Vineyard | V413W | 120 | 15.9 | 16 | 9 | 59.5 |
| Sturdy Grow | SG777W | 117 | 17.2 | 26 | 13 | 58.2 |
| IFSI | 93-4 | 116 | 16.7 | 22 | 13 | 57.2 |
| Pioneer | 3443W | 107 | 14.6 | 23 | 15 | 59.9 |
| Average All Entries | | 130 | 17.4 | 19 | 8 | 57.5 |
| Dif. Req. for Sig. 5% | | 9 | 0.5 | 4 | 3 | 0.8 |
| 25% | | 5 | 0.3 | 2 | 2 | 0.4 |
| | | **Four Year Averages** | | | | |
| YllwChk | Pioneer 3394 | 152 | 15.6 | 15 | 3 | 58.1 |
| Wilson | 1780W | 146 | 19.9 | 11 | 6 | 54.1 |
| Vineyard | V448W | 143 | 18.0 | 15 | 4 | 57.8 |
| Vineyard | V424W | 137 | 17.7 | 14 | 4 | 56.7 |
| Wilson | 1790W | 137 | 18.8 | 10 | 8 | 55.8 |
| Hoegemeyer | 1142W | 136 | 21.9 | 17 | 6 | 55.7 |
| LG Seeds | NB742W | 135 | 17.6 | 13 | 4 | 55.1 |
| Vineyard | V449W | 134 | 18.4 | 20 | 8 | 57.6 |
| Sturdy Grow | SG765W | 134 | 16.4 | 26 | 7 | 58.0 |
| Vineyard | V438W | 132 | 17.0 | 14 | 3 | 57.8 |
| YllwChk | B73 x Mo17 | 131 | 16.4 | 15 | 11 | 55.4 |
| Sturdy Grow | SG797W | 130 | 18.1 | 22 | 6 | 56.4 |
| Whisnand | 51AW | 126 | 16.9 | 19 | 13 | 59.5 |
| IFSI | 90-1 | 125 | 16.9 | 21 | 13 | 58.7 |
| Pioneer | 3463W | 122 | 15.3 | 16 | 3 | 58.3 |
| IFSI | 93-4 | 121 | 16.6 | 19 | 13 | 57.2 |
| Vineyard | V414W | 118 | 16.4 | 20 | 4 | 60.2 |
| Sturdy Grow | SG777W | 117 | 17.0 | 23 | 13 | 58.2 |
| Average All Entries | | 132 | 17.5 | 17 | 7 | 57.2 |
| Dif. Req. for Sig. 5% | | NS | 0.5 | 3 | NS | 0.8 |
| 25% | | 5 | 0.3 | 2 | 2 | 0.4 |
| | | **Five Year Averages** | | | | |
| Vineyard | V424W | 133 | 17.9 | 13 | 3 | 56.7 |
| Hoegemeyer | 1142W | 132 | 22.3 | 16 | 5 | 55.7 |
| LG Seeds | NB742W | 130 | 17.9 | 11 | 4 | 55.1 |
| YllwChk | B73 x Mo17 | 128 | 16.7 | 13 | 9 | 55.4 |
| Vineyard | V449W | 128 | 18.6 | 17 | 7 | 57.6 |
| Vineyard | V438W | 127 | 17.4 | 12 | 3 | 57.8 |
| Sturdy Grow | SG797W | 125 | 18.0 | 19 | 5 | 56.4 |
| IFSI | 90-1 | 120 | 16.8 | 18 | 10 | 58.7 |
| Whisnand | 51AW | 120 | 16.7 | 17 | 11 | 59.5 |
| Pioneer | 3463W | 118 | 15.4 | 13 | 3 | 58.3 |
| IFSI | 93-4 | 116 | 16.6 | 17 | 11 | 57.2 |
| Sturdy Grow | SG777W | 110 | 16.7 | 21 | 11 | 58.2 |
| Average All Entries | | 124 | 17.6 | 16 | 7 | 57.2 |
| Dif. Req. for Sig. 5% | | NS | 0.5 | 3 | 3 | 0.8 |
| 25% | | 5 | 0.3 | 2 | 2 | 0.4 |

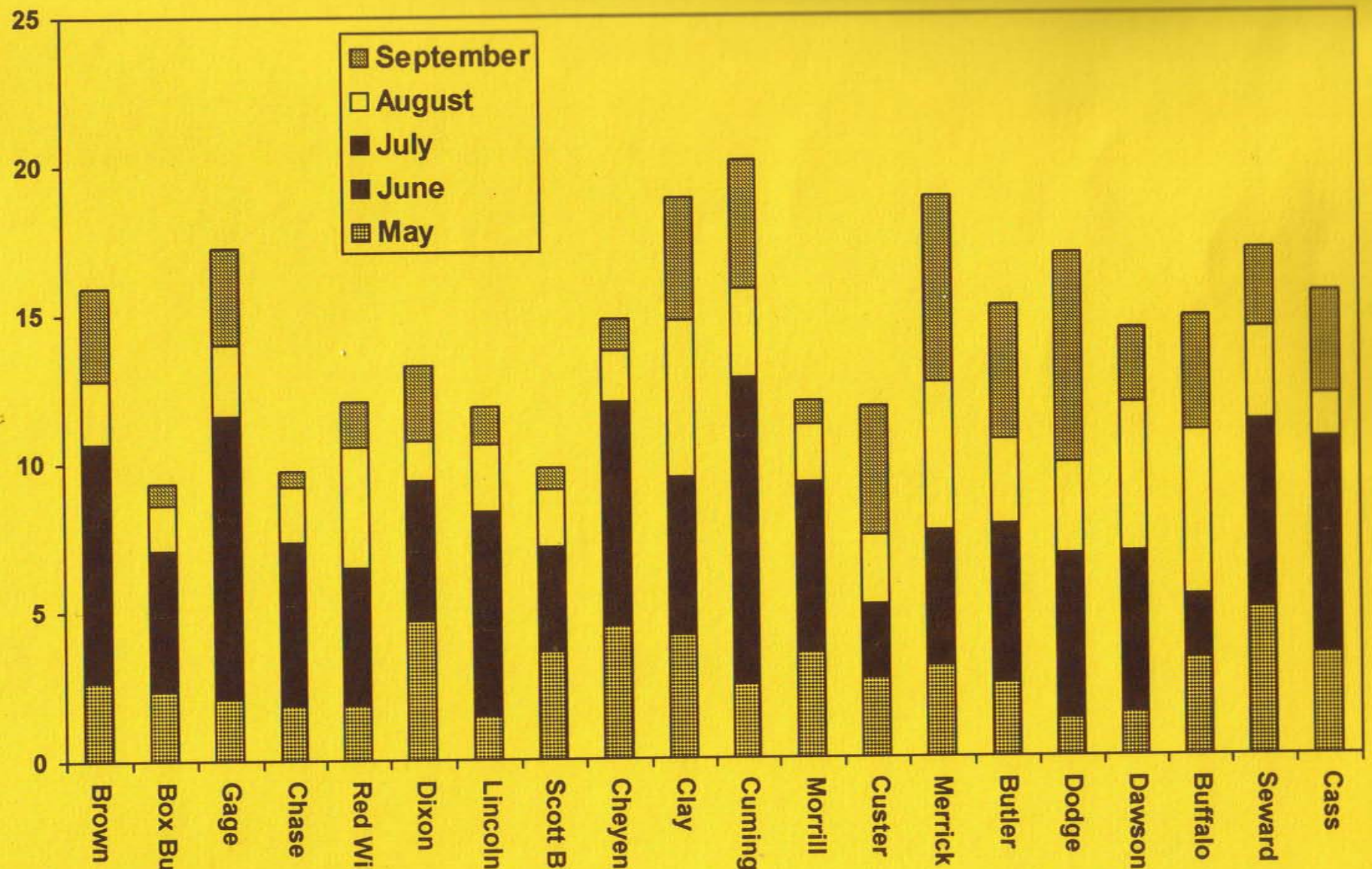
# Dawson County Yellow Food Grade Corn Hybrid Test - 1997

| Brand | Hybrid | Average bu/a | Grain moisture pct | Broken stalk pct | Dropped ear pct | Bushel weight lb/bu | Plant population |
|---|---|---|---|---|---|---|---|
| Agrigold | A6725 | 225 | 18.8 | 23 | 2 | 57.8 | 27710 |
| DeKalb | 605F | 218 | 15.5 | 23 | 1 | 60.1 | 28170 |
| NC+ | RE547 | 216 | 15.0 | 14 | 3 | 59.8 | 28050 |
| Agrigold | XA4618 | 205 | 15.9 | 13 | 11 | 60.3 | 29740 |
| Novartis | 4394 | 205 | 13.5 | 25 | 0 | 61.7 | 28760 |
| Cargill | 6888 | 202 | 14.9 | 28 | 2 | 60.0 | 28500 |
| Golden Harvest | H-2497 | 196 | 14.8 | 24 | 2 | 59.8 | 30350 |
| Mycogen | 2636 | 186 | 13.6 | 19 | 6 | 60.4 | 30190 |
| Gutwein | EX750 | 185 | 13.7 | 32 | 1 | 60.8 | 27770 |
| Golden Harvest | H-2564 | 184 | 16.1 | 48 | 2 | 59.8 | 30240 |
| Gutwein | EX635 | 184 | 13.3 | 16 | 2 | 60.7 | 29010 |
| Gutwein | 2588 | 182 | 15.5 | 16 | 16 | 60.7 | 29210 |
| Agrigold | XA2607 | 179 | 20.9 | 26 | 1 | 59.4 | 27920 |
| Vineyard | FC521 | 179 | 15.2 | 53 | 0 | 60.9 | 31400 |
| Gutwein | EX743 | 173 | 14.2 | 21 | 0 | 63.1 | 29210 |
| LG Seeds | X57/450 | 171 | 14.0 | 29 | 2 | 61.2 | 27590 |
| Producers | 11161 | 171 | 14.8 | 20 | 10 | 59.5 | 26100 |
| Producers | 710 | 170 | 14.9 | 35 | 2 | 60.7 | 27410 |
| Asgrow | RX490 | 162 | 12.9 | 13 | 1 | 61.2 | 25810 |
| DeKalb | DK483 | 157 | 12.7 | 27 | 2 | 60.7 | 27710 |
| NC + | RE271 | 147 | 12.7 | 38 | 3 | 61.2 | 27530 |
| Cargill | 6409GQ | 138 | 14.1 | 32 | 1 | 63.8 | 30080 |
| Producers | 605 | 136 | 12.1 | 19 | 3 | 61.5 | 27710 |
| NC + | 1366 | 122 | 10.7 | 17 | 0 | 61.9 | 29070 |
| Mycogen | 2420 | 20 | 10.2 | 32 | 0 | 40.1 | 30020 |
| Average All Entries | | 175 | 14.4 | 26 | 3 | 59.9 | 28600 |
| Dif. Req. for Sig. | 5% | 31 | 1.8 | 16 | 5 | 5.1 | 2910 |
| | 25% | 18 | 1.0 | 9 | 3 | 2.9 | 1680 |

# Growing Degree Day accumulations above 50 degrees F



# Rainfall in inches from Counties with corn hybrid tests - 1997



# Institute of Agriculture and Natural Resources

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