

1998

EC98-105-A Nebraska Corn Hybrid Tests 1998

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NEBRASKA CORN HYBRID TESTS 1998



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EXTENSION CIRCULAR 98-105

NEBRASKA CORN HYBRID TESTS

December 1998

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This circular is a progress report of corn hybrid performance tests conducted by the Agronomy Department and the Northeast, South Central, West Central and Panhandle Research and Extension Centers of Nebraska and University of Wyoming at Torrington. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service. Tests were supported in part by fees paid by hybrid seed corn producers.

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, 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 98-105

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NEBRASKA CORN HYBRID TESTS

1998

Corn production as of November was forecast at 1,240,000,000 bushels at 145 bu/a. Irrigated corn was 157 bu/a compared to last years yields of 159 bu/a. Dryland corn production was 120 bu/a. Past corn yields are reported as followed (bu/a):

	1991	1992	1993	1994	1995	1996	1997	1998
State	127	132	108	138	111	143	132	145
Irrigated	150	144	117	151	130	157	152	159
Nonirrigated	77	107	91	112	70	115	94	120

Total acreage for harvest was 8,550,000 of which 5,500,000 was irrigated. Nonirrigated acreage was 3,050,000.

1998 Crop Production Summary

Here is a summary of the 1998 corn crop. By May 3, corn planting was 43% complete. This is ahead of both 27% last year and 26% for the five-year average. Corn producers made good planting progress. Temperatures averaged from two degrees to five degrees below normal. Precipitation averaged from a trace in the Northwest to over 3/4 inch in the Southeast. By June 14, temperatures were still four to seven degrees below normal. Corn conditions were rated at 1% very poor, 3% poor, 17% fair, 62% good, and 17% excellent. By June 21, corn conditions were rated 1% very poor, 5% poor, 18% fair, 60% good and 16% excellent. Dryland corn rated 74% in good or excellent condition, and irrigated acres rated 78% good to excellent. Corn was yellowing in lowland areas, with soils saturated in eastern areas. Temperatures averaged below normal. By July 5, corn condition rated 4% poor, 19% fair, 62% good, and 15% excellent. Silking was just underway with 1% of the crop having reached that stage, compared to 0% last year and 3% average. Temperature for the state for the week averaged near normal statewide with ninety-five degrees. By August 2, irrigated corn was 83% good to excellent while dryland corn was 76% good to excellent. The crop had reached the 94% silked stage. This compares with 88% last year and 76% for the five-year average. Temperatures were three to six degrees below normal across the state. By August 30, corn condition rated 2% poor, 13% fair, 63% good, and 22% excellent. Corn in the dent stage was at 71%,

compared with 38% last year and 39% for the five-year average. Dryland corn rated 83% good or excellent. Irrigated corn 76% good or excellent. Temperatures averaged two to five degrees above normal across the State. September 27, temperature were near normal in panhandle. Precipitation ranged from traces to over two inches in the Southeast. Dryland corn rated 79% in good to excellent condition and 83% of irrigated corn rated the same. Corn maturity was near 92%, two weeks ahead of a year earlier 62% and average of 61%. Grain harvesting advanced to 21%, well ahead of 4% last year and 5% average. October 25, temperatures averaged one to three degrees above normal for the week. Harvest was 75% complete, ahead of 60% last year and 48% average. Progress was 90% complete in South Central counties, while over 50% was harvested in all but the Panhandle. High winds, hail, gray leaf spot, corn borer, and green snap were reported in the state during the growing season.

Twenty eight corn performance tests were planted in 1998. Test locations are shown on the map (page 10). Data from white food grade tests are also included in this bulletin. Table A (page 11) consists of cooperators, dates of planting and harvesting.

Corn trials are conducted to provide yield and other information about corn hybrids which may be offered for sale in Nebraska. A fee from seed producers covers a portion of the cost of establishing each test. Entry was on a voluntary basis and hybrids

were selected by seed producers. Entries are limited to 4 - 6 entries per entrant. At many locations, widely grown hybrids were entered by the Agronomy Department.

Table B (page 12) 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. Temperature and rainfall data are shown on (pages 54-55). The names of the entrants and their addresses are listed in Table D (page 13). Table E (page 14), 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 with an electronic moisture meter.

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-2, West Table Irrigated-2, West & West Central Short Season Ecofallow-2. 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 12). Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and

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

drying costs.

Southeast Dryland

Two trials no-tilled were planted with sixty hybrids in Otoe county and sixty-two in Richardson county. Pages (15-16). The Otoe County trial had very good subsoil moisture at planting. Soil was very hard and compacted. Cool weather slowed plants from germinating early, causing plants to yellow due to excess moisture. Adequate moisture during growing season with excess water in low areas of plot. Average for all entries was 125 bu/a. Richardson county farmer entries and yields were Hoegemeyer 2693 @ 163 bu/a, Hoegemeyer 2666 @ 156 bu/a. Average all entries was 153 bu/a. Period-of-years data are shown on pages 17.

East Central Dryland

Two trials were harvested with fifty-eight hybrids (pages 18-19). In Washington County the farmer entries and respective yields were Stine 9707 @ 146 bu/a, Fielder's Choice 9313 @ 158 bu/a. Average for all entries was 175 bu/a. In Saunders County the farmer entries were Golden Harvest Ex8421B1 @ 177 bu/a, and 2581 @ 181 bu/a. Average for all entries was 176 bu/a. Period-of-years data are shown on page 20-21.

Southeast Irrigated

Polk and Hamilton County trials had sixty-five hybrids. The Polk county test in July was hit by high wind and damaging hail. Removed 1st replication from test due to heavy damage caused from hail. This test had reduced yields due to damaging storm. Farmer entries are Pioneer 3235 @ 199 bu/a, Crows 455 @ 141 bu/a, and Novartis N759 @ 138 bu/a. Average for all entries was 165 bu/a. The Hamilton county test plot average of all entries 180 bu/a with average moisture of 17.8%. Page 22-23. Period-of-years data are shown on pages 24-25.

South Central Irrigated

Test plots were located in Clay County at the SCREC farm near Clay Center and Kearney Counties (pages 26-27). The trial included 70 entries with four replications of four rows, thirty inch rows. The Clay county test plot average yield of 178 bu/a and an average moisture of 20.5 percent. Kearney county average yield of 222 bu/a. Period-of-years data are shown on pages 28-29.

South Central Dryland

This trial was in Webster County. There were 34 entries in four 30 inch rows with 4 replications. Average of all entries was 131 bu/a. Page 30.

Northeast Dryland

Fifty-six hybrids were included in the dryland test in Dixon County (pages 32). The plot was planted no-till into soybean stubble. In northeast Nebraska June started off unseasonably cool and wet. July and August

were warm and humid with adequate precipitation. Dryland corn yields were excellent this year because of the growing conditions that we experienced throughout the summer. Average yield of all the entries were 145 bu/a. Period-of-years data are shown on page 33.

Northeast Irrigated

Burt County had sixty-three hybrids were included in the pivot irrigated plot (pages 34-35). Cool, wet growing conditions early in growing season. High winds and some hail damage occurred. Farmer entries are Golden Harvest 2530BT @ 174 bu/a and Pioneer 34R06 @ 196 bu/a. Average for all entries were 178 bu/a. 2-, 3-, 4-, and 5-year yields are shown on pages 36.

Central Irrigated

Forty-eight hybrids were tested in Custer and Dawson Counties. Corn plots planted at 31,600 seeds/a. The irrigated Custer County test plot averaged 220 bu/a. Farmer entries were Golden Harvest H2377 @ 194 bu/a and Pioneer 35N05 @ 227 bu/a. The Dawson county test averaged 220 bu/a. Farmer entries were LG Seeds LG2587 @ 226 bu/a, LG2512 @ 199 bu/a, LG2447 @ 212 bu/a. The data from these plots are shown on pages 37. Over year data are shown on page 38.

Southwest Irrigated

Twenty-five entries were planted in Furnas and Red Willow Counties. Corn plots planted at 31,600 seeds/a. Furrow irrigated and ridge planted. Furnas county plot had an average for all entries of 199 bu/a. Farmer entries are NC+5588bt @ 166 and NC+ 5697 @ 206 bu/a. Red Willow county plot averaged 190 bu/a. Plot receive freeze damage on June 6. The farmer entries and yields were Pioneer 33A14 @ 192 bu/a, Golden Harvest @ 137 bu/a. Data for this location are shown on pages 39 and 40 for the over years data.

West Central Irrigated

Yield and other data from thirty-four hybrids tested in Lincoln and Dundy counties are shown on page 42. Corn plots planted at 31,600 seeds/a. Lincoln county furrow irrigated test had high yields averaging 249 bu/a. Dundy pivot irrigated test averages for all entries were 216 bu/a. Plot received light frost damage on June 5. Over year data are shown on page 43.

North Central Irrigated

Eighty-four hybrids were entered in Brown County furrow and Rock County pivot plots located in the northern part of the sandhills. Corn was planted at 31,600 seeds/a. Brown irrigated test had an over all average of 204 bu/a. The Rock county irrigated plot had an over all average of 153 bu/a. Farm entries were DeKalb DK483 @ 110 bu/a, DeKalb DK521 @ 173 bu/a. The 1998 data will be on page 44-45 and 1994-1998 data will be on page 46-47.

West Central

Seventeen hybrids were tested in Perkins county ecofallow with an average yield of 108 bu/a. The 1998 data will be on page 50. The plot had received hail twice, in July and August, 29.5% loss.

Southwest Ecofallow

Eleven hybrids were tested in Hayes, Red Willow, and Lincoln counties. Hayes county ecofallow corn test was chopped for silage accidentally. Red Willow county ecofallow average were 145 bu/a with farmer entries DeKalb DK566RR @ 147 bu/a, Pioneer 35N05 @ 128 bu/a. Lincoln county ecofallow average were 116 bu/a. The data from these two locations and over year tests are shown on pages 39. Over years data is found on page 41.

West Valley Irrigated

The Scottsbluff, Nebraska and Torrington, Wyoming plots had twenty-eight hybrid entries. Scotts Bluff furrow irrigated average for all entries were 205 bu/a. Excellent weather throughout the growing season with warm nights and extended fall weather

helped corn mature. A storm in September caused the lodging. The Torrington, Wyoming plot with overhead sprinkler irrigation system average for all entries were 200 bu/a. Data shown on page 48. Period-of-years yield and other data are shown on page 49.

West Table Irrigated

Irrigated trials were in Box Butte and Cheyenne Counties. Eighteen hybrids at each location (page 47). West table area has a higher elevation land which requires an earlier maturing hybrid than valley land. Box Butte weather for season was moderate. Season was cool in the beginning, then warm nights and a long fall helped with maturity. Average for all entries were 159 bu/a with a 31,000 plant population at harvest. Cheyenne county sprinkler system average of all entries were 125 bu/a. 30,000 harvest population. Heavy rains caused crusting and compaction. Warm weather helped corn to mature early. Fall winds caused considerable lodging. This is the sixth year for this plot. Period-of-years averages are included on page 49.

Early Maturing Ecofallow

Plots planted in Lincoln and Cheyenne Counties tested eight of the earlier hybrids in an ecofallow system. Rotation system was fallow-winter wheat-corn planted no-tilled into the standing wheat stubble. Lincoln county test plot averaged 104 bu/a for all entries. The Cheyenne county plot, 15,000 harvested population, had above average and timely precipitation. Warm nights and a long fall contributed to average yields of 115 bu/a. Results of two tests are shown on page 50.

Central White Corn Test

The Clay County plot was at the SCREC farm. The trial included 37 white corn entries. Average yield of 163 bu/a and an average moisture of 26.2% moisture. The Dawson County trial included 37 entries. Average for all entries were 184 bu/a. Data from these plots are on page 51. Over year data are shown on page 52-53.

Cultural Practices

Otoe: Dryland. No-till. Crop history: 1996 corn, 1997 soybeans. No-till. 100 lbs liquid Nitrogen. Herbicide: 2.2 qt Bicept II, Accent + oil. Insecticide: None. Cultivations: None. Hand hoed plot.

Richardson: Dryland. No-till. Previous crops: 1996 corn, 1997 soybean. Preplant: 140 lbs Nitrogen. 4 tons lime. Herbicide: Bicep II 2.4 qt, Beacon ½ oz, Banvel 2 oz, Accent. Insecticide: None. Cultivation: None. Hand hoed plot.

Washington: Dryland. No-till. Previous crop: corn, soybean rotation. Fertilizer: 100 lb of 18-46-0 in fall, 110 lb Uran in spring. Herbicide: Bicept II 2.5 qt, Accent + oil. Insecticide: None. Hand hoed plot.

Saunders: Dryland. Previous crops: 1996 corn, 1997 soybeans. Fertilizer: Anhydrous 180 lb/a. 100 lb starter 10-34-0. Herbicide: Atrex 1 lb at spike. Insecticide: 2 lb Pounce in the whirl. One field cultivation. One cultivation.

Polk: Center pivot Irrigated. Previous crops: 1996 corn, 1997 soybean. Field cultivated. Anhydrous 191 lb/a. Herbicide: Bicep II 1qt/a. Insecticide: Aztec. July 15 hail damage and high winds caused lost to yield potential. Hand hoed plot.

Hamilton: Irrigated. Corn 1996, 1997. 200 lbs/a of N preplant. Preplant: 5 gal of 10-34-0 starter. Harness Xtra 2.3 qt. Insecticide: Counter 20G 6.5 lbs/a. Ridge till.

Clay: Gravity Irrigated: Crop history: beans 1997. Fertilizer 135 lb N. 3.2 qt Surpass 100. 4 replications, 4 rows, 30 inch spacing. Hail storm on 6/13, 15% leaf damage and 10% greensnap. Plant population was lower than projected average 24000 instead of 30000. Slot planted.

Kearney: Irrigated. Crop history: corn 1996, corn 1997. 150 lb N preplant. Irrigation water has 10-15 ppm of nitrates. 15 gal 28-30-0+1 qt iron/a starter. 9 gal 28% with the herbicide. 1.2 qt/a Bicept II. Insecticide: Regent SC 4.2 oz/a. No-till. Slot planted.

Webster: Dryland. 100 lb N preplant. Herbicide: Atrazine 2 lb/a. Slot planted into wheat fallow.

Dixon: Dryland. Crop history: 1996 corn. 1997 soybean. Fertilizer: 150 lbs/a of nitrogen was applied using dry fertilizer (46-0-0). Herbicide: Extrazine 3.3 lb/a, applied May 11. Tillage: Planted no-till into soybean stubble; cultivated June 22.

Burt: Irrigated. No-till. Crop history: soybean-corn rotation. Fertilizer: 160 lb anhydrous fall applied. 10 gal 10-34-0 with planter. Herbicide: Dual, Exceed. Insecticide: None.

Custer: Irrigated. Crop history: 1996 and 1997 corn. 30 lb/a N, 30 lb/a P, 10 lb/a S, at planting; Floated on 60 lb/a N + 10 lb/a S with herbicide; 90 lb/a N at cultivation. Herbicide: Extrazine at 2 lb preemergence. Insecticide: Lorsban 15G at 8 oz/1000 ft of row at planting. Coordinates: N41.430 W100.151

Dawson: Irrigated. Crop history: 1996 and 1997 corn. Fertilizer: 165 lb/a N as anhydrous preplant, 6 gal/a 10-34-0 + 4 gal/a 28-0-0 at planting. Herbicide: Bicep II in a 16" band at planting at 2.0 qts/a, Marksman at 2.5 pt on May 27. Insecticide: Lorsban 15G at 8 oz/1000 ft of row at planting. Coordinates: N40.815 W99.996

Furnas: Furrow Irrigated and ridge planted. Crop history: 1996 corn, 1997 soybeans. Fertilizers: 160 lb/a N as anhydrous + 50 lbs 10-34-0 starter. Herbicides: Basis Gold banded postemergence at 14 oz/a. Insecticide: Lorsban at 8 oz/1000 ft. Coordinates: N40.306 W99.886.

Red Willow: Furrow Irrigated and ridge planted into stalks. Crop history: 1996 and 1997 corn. 120 lb/a N as anhydrous + 2.5 gal/a 10-34-0 at planting. Herbicide: Dual at 1.5 pt in a 14" band at planting, .5 pt/a Banvel at spike. Insecticide: 2 lb/a Counter 15G at planting, 5.3 lbs at cultivation. Plot received freeze damage on June 6. Coordinates: N40.221 W100.745

Hayes: Ecofallow. This plot was accidentally chopped for silage.

Red Willow: Ecofallow. Crop history: 1996 fallow, 1997 winter wheat. No-till into wheat stubble. 10 gal 10-34-0 + 7 gal 32-0 at planting. Herbicide: Dual at 2 pt/a at planting, Banvel at 0.25 pt post. Insecticide: Counter at 2 lb at planting. Coordinates: N40.250 W100.650

Lincoln: Ecofallow. Crop history: 1996 fallow, 1997 winter wheat. No-tilled into wheat stubble. 80 lbs N as 32-0 preplant. Herbicide: Landmaster BW at 54 oz + 2 lb Atrazine fall 1997. Insecticide: Lorsban at 8 oz/1000 ft of row. N41.0515 W100.746

Perkins: Ecofallow. Crop history: 1997 wheat 96 fallow. No till into wheat stubble. 25 gal/a 28-0 preplant, 7 gal/a 18-13-5-.5 at planting. Herbicide: Fall 1997, 27 oz Roundup ultra + .75 lb Atrazine; 2,2 pt Harness + .5 lb Atrazine + 4 oz Banvel preplant. 2 pt Tough post. Insecticide: Lorsban at 8 oz/1000 ft of row at planting. N40.92694 W101.80390

Brown: Furrow Irrigated. Crop history: 1996 corn, 1997 corn. Fertilizer: 170 lbs N as anhydrous preplant, 35 lb/a N + 30 lb/a P + 6 lb/a S, as starter. Herbicide: Bicept II at 2.4 qt/a preplant. Insecticide: Force 3G at 4 lb/a at planting. Lorsban at 8 oz/1000 ft of row. Coordinates: N42.570 W99.755

Rock: Pivot Irrigated. Crop history: soybean 1996, 1997 corn. Fertilizer: Total lbs/a: 180 N + 40 P + 15 K + 25 S + .5 Zn. Applied as liquid at planting or topdressed later, some N as anhydrous at cultivation. Herbicide: Bicep II at 2.4 qt/a preemergence. Insecticide: Lorsban 15G at 8 oz/a 1000 ft of row. Coordinates: N42.604 W99.598

Lincoln: Irrigated. Crop history: 1996 corn, 1997 corn. Applied 155 lb/a N as anhydrous ammonia. 8 gal of 10-34-0 + 1% zinc at planting. Herbicide: Bicep II at 1.5 qt, Banvel at 0.5 pt. Insecticide: Counter in furrow at planting. N41.088 W100.769

Dundy: Pivot Irrigated. Crop history: 1996 corn, 1997 corn. Fertilizers (lb/acre): 175 N, 67 P, 24 K, 42 S, 1.7 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

+ Tough at 0.5 pt - tank mixed and applied aerially on May 25. Insecticide: Pencap M at 1.5 pts/a + Pounce at 2 oz on July 17, applied aerially. Lorsban 15G at 8 oz/1000 ft at planting. N40.274 W101.550

Box Butte: Pivot Irrigated. Crop history: 1997 sugar beets. Fertilizer: 30 N + 30 P as starter. 150 lb/a N liquid. Clarity + 2,4-D. Insecticide: None.

Cheyenne: Sprinkler Irrigated: 1997 Sun flowers. Side dress: 140 lb/a N; At planting, 10 lb N + 24 lb P + .75 lb Zn. Herbicide: .5 lb Atrazine, .75 lb Bladex, 1.5 pt Dual. Insecticide: None.

Scotts Bluff: Furrow Irrigated. Crop history: 1996 corn, 1997 dry beans. Preplant: 190 lb anhydrous. Planting: 9 lb N + 30 lb P + .9 lb/a. Herbicide: 2 qts Lasso + 1 qt Bladex. Post: .5 pt Banvel + .25 pt 2,4-D.

Torrington, Wyoming: Sprinkler Irrigated. 100 lb N + 50 lb P/a. Bicep 6L at 1.8 qt/a on May 27, followed by an application of 1 pt/a Banvel on May 28.

Lincoln: Early Maturing Ecofallow. Crop history: 1996 fallow, 1997 winter wheat. No-tilled into wheat stubble. Fertilizer: 80 lb/a N as 32-0 preplant. Herbicide: Landmaster BW at 54 oz + 2 lb Atrazine fall 1997. Insecticide: Lorsban at 8 oz/1000 ft. N41.0515 W100.746

Cheyenne: Early Maturing Ecofallow. Crop history: 1997 winter wheat. Fertilizer: Preplant 70 lb N; at planting 10 lb N + 24 lb P + .75 lb Zn/a. Herbicide: 1 lb Atrazine + 1.5 pt Dual. Insecticide: None.

Clay: White corn. Gravity irrigated. Crop history: beans 1997. 135 lbs/a Nitrogen preplant. 3.2 qt/a Surpass 100. Ridge till.

Dawson: White Corn: Furrow irrigated and ridge planted. 1996 and 1997 - corn. Fertilizers: 115 lbs N preplant; 13 lb N + 18 lb P + 0.5 lb Zn as starter, 18 lb N with herbicide. Herbicide: 2 qts of Bicep II Pre. Insecticide: Lorsban 15G at 8 oz/1000 ft at planting, 5 lb of Aztec in T-band. N40.93818 W100.11848

NEBRASKA CORN TEST LOCATIONS 1998 CORN PERFORMANCE TESTS

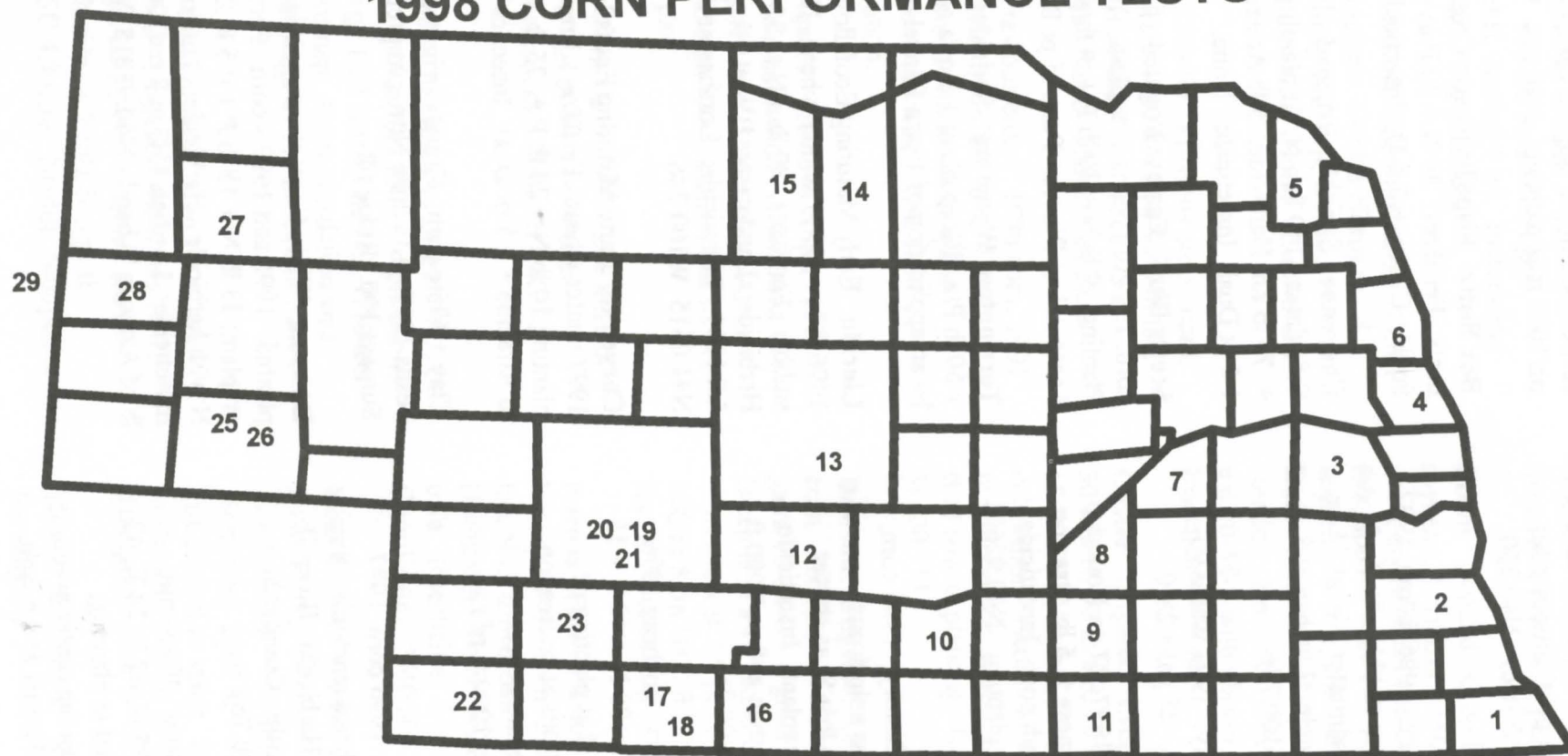


Table A. Locations, Cooperators, Soil Types, Planting and Harvest Dates - 1998

Location	Cooperator	Soil Type	Planted	Harvested
Southeast Dryland				
Otoe	Steve Wellman, Syracuse	Zook silty clay loam	April 23	Oct. 20
Richardson	L.J. Keithley & Sons, Fall City	Marshall silty clay loam	April 23	Sept.15
East Central Dryland				
Washington	Brent Arp, Blair	Monona silt loam	April 24	Oct. 19
Saunders	Vernon Virka, Morse Bluff	Sharpsburg silty clay loam	May 1	Sept.23
Southeast Irrigated				
Polk	Jeff Kuhnel, Shelby	Holder silt loam	May 4	Sept.29
Hamilton	Joel Hinrichs, Giltner	Crete silt loam	May 1	Oct. 13
South Central Irrigated				
Clay	South Central Res. & Ext. Center	Hastings silt loam	April 30	Oct. 1
Kearney	Alan Kahle, Minden	Wann fine sandy loam	April 27	Oct. 7
South Central Dryland				
Webster	Bob Greenhalgh, Guide Rock	Holdrege silt loam	April 22	Oct. 8
Northeast				
Burt Irrigated	Bob Moseman, Oakland	Belfore silty clay loam	May 1	Sept.24
Dixon Dry land	NEREC	Kennebec silt loam	May 5	Oct. 14
Central Irrigated				
Custer	Blaine Hagler, Arnold	Hord silt loam	April 29	Sept.30
Dawson	Worrel Farms, Cozad	Cozad silt loam	April 29	Oct. 23
West Central Irrigated				
Lincoln	West Central Res. & Ext. Center	Cozad silt loam	April 30	Oct. 21
Dundy	Shad Stamm, Benkelman	Keith silt loam	April 22	Oct. 22
North Central Irrigated				
Brown Furrow	Steve Bejot, Ainsworth	Johnstown loam	May 7	Oct. 27
Rock (c. pivot)	Tom Frank, Basset	Valentine loamy fine sand	May 7	Oct. 27
Southwest Irrigated				
Furnas	Steve Henry, Arapahoe	Hord silt loam	April 21	Sept.17
Red Willow	Cappel Farms, McCook	Bridgeport silt loam	April 24	Oct.22
Southwest Ecofallow				
Hayes	Dennis Riener, Palisade	Kuma silt loam	May 5	Not harvested
Lincoln	West Central Res. & Ext. Center	Holdrege silt loam	May 12	Oct. 13
Perkins	Mike McArtor, Grant	Mace silt loam	May 4	Oct. 14
Red Willow	Cappel Farms, McCook	Holdrege & Keith silt loam	April 21	Sept.17
West Table Irrigated				
Box Butte	Roger Schnell, Alliance	Keith loam	May 1	Oct. 22
Cheyenne	High Plains Agriculture Lab	Keith loam	May 5	Oct. 23
West Valley Irrigated				
Scotts Bluff (furrow)	Panhandle Res. & Ext. Center	Tripp very fine sandy loam	May 5	Oct. 27
Torrington, WY	Torrington Res. & Ext. Center	Sandy loam	May 6	Oct. 30
West Early Ecofallow				
Lincoln	West Central Res. & Ext. Center	Holdrege silt loam	May 12	Oct. 13
Cheyenne	High Plains Agricultural Lab	Rose Bud loam	May 4	Oct. 20
Food Grade Corn				
Clay - White	South Central Res. & Ext. Center	Hastings silt loam	April 20	Sept.30
Dawson-White, Yellow	Mark Aden, Gothenburg	Cozad silt loam	April 28	Oct. 28

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 Corrtn
Southeast Dryland									
Otoe	30	11.6	18000	---	125	14.8	0	0	---
Richardson	30	11.6	18000	8.7	153	18.9	0	0	.49**
Southeast Irrigated									
Polk	30	7.5	28000	9.7	165	22.9	4	0	.65**
Hamilton	30	7.0	30000	5.8	180	17.9	4	0	-.19NS
East Central Dryland									
Washington	30	11.6	18000	8.0	175	15.1	1	0	.05NS
Saunders	30	9.2	18000	8.8	176	17.4	1	0	.46**
South Central Irrigated									
Clay	30	7.0	30000	8.3	178	20.5	3	0	-.11NS
Kearney	36	5.8	30000	6.3	222	19.1	1	0	.21NS
South Central Dryland									
Webster	30	11.6	18000	10	131	17.4	---	---	.58**
Northeast									
Burt Irrigated	30	8.4	25000	10.0	178	19.8	1	0	.32**
Dixon Dryland	30	11.0	19000	15.2	145	17.8	1	4	.15NS
Central Irrigated									
Custer	30	7.0	30000	6.2	220	26.4	---	---	-.64**
Dawson	36	5.8	30000	5.0	220	14.2	1	0	.58**
West Central Irrigated									
Lincoln	30	8.6	24400	5.3	249	14.8	3	0	.51**
Dundy	30	7.0	30000	6.4	216	14.9	3	0	.39*
North Central Irrigated									
Brown (furrow)	30	7.0	30000	5.7	204	15.9	2	0	.57**
Rock (c. pivot)	30	7.0	30000	20.2	153	13.1	2	0	.43**
Southwest Irrigated									
Furnas	30	7.0	30000	13.0	199	17.7	---	---	.22NS
Red Willow	36	5.8	30000	7.3	190	13.8	1	---	.73**
Southwest Ecofallow									
Hayes	30	13.9	15000	---	---	---	---	---	---
Lincoln	30	15.0	13910	8.1	116	13.3	0	---	.39NS
Perkins	30	15.0	13910	12.7	108	10.9	4	0	.12NS
Red Willow	30	13.9	15000	8.6	145	17.8	0	0	.62*
West Table Irrigated									
Box Butte	30	6.3	33000	9.0	159	18.9	4	---	.13NS
Cheyenne	30	6.3	33000	12.8	125	14.4	12	---	-.09NS
West Valley Irrigated									
Scotts Bluff	30	6.3	33000	8.6	205	19.7	---	---	.57**
Torrington, WY	30	6.3	33000	9.5	200	16.4	---	---	.20NS
West Early Ecofallow									
Lincoln	30	15.0	13910	5.6	104	9.4	---	---	.78NS
Cheyenne	30	15.7	13300	6.2	115	18.8	0	---	.78*

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 D. Nebraska Corn Test Entrants. 1998.

Brand	Entrant	Address
-----	Agricultural Research Div., UNL	Lincoln, NE 68583
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
Ben Besten	Ben Besten Seed Co. Inc	Box 869 Platte, S.D. 57369
Federal Hybrids	Federal Hybrids	5420 - 35th Av., Marion, IA 52302
Fontanelle	Fontanelle Hybrids	10981 8St, Nickerson, NE 68044-9706
Garst	Garst Seed Company	2314 Star Dust Lane, Grand Island, Ne 68803
Geertson Seed	Geertson Seed Farm	1665 Burraighs Rd, Adrian, OR 97901
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
Hoegemeyer Hybrids	Hoegemeyer Hybrids	Hooper, Ne
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
Midland	Midland Genetics Group	980 Hwy 15, Hope, KS 67451
Midwest (M/W)	Midwest Seed Genetics, Inc	213 E 6th St. Box 518, Carroll, IA 51401
Miller Preferred (MP)	Miller Preferred Seeds	P.O. Box 81823, Lincoln, NE 68501
Mycogen	Mycogen Seeds	1340 Corporate Center Curve, P.O. Box 21428 St. Paul, MN 55121-1428
NC+	NC+ Hybrids	Box 4408, Lincoln, NE 68504
Ottillie	Ottillie 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
PSA	PSA Genetics	661 510 St, Alta, Iowa 51002
Renze	Renze Hybrids, Inc.	27410 Kittyhawk Ave., Carroll, IA 51401
Sands	Sand Seed Service, Inc.	4765 why 143, Box 648, Marcus, Iowa 51035
Seedex	Seedex, Inc.	P.O. Box 14477 Longmount, CO 80502
Sucroscos Seeds	Sucroscos Seeds	Box 309-353 Main, Manilla IA 51454
Terra	Terra Industrial Inc.	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
AGRIPO	AP9460, AP9489
ASGROW	RX601, RX670, RX530, RX505Bt, RX640Bt, RX587
CARGILL	3911, 8412, 2610, 2777, 6888, 7770, 6303, 7777##
COOP	7404, 7560, 7550, 4500Bt
CROW'S	496, 366, 363, 492, 664, 691, 200, X130, X228, 209Bt, 398Bt
BEN BESTEN	6750, 5101, 2702, 2608, 5112, 2611 2904
DEKALB GENETICS	DK477, DK586, DK385B, DK449, DK595, DK632, DK580##, DK493, DK566, DK405, DK440, DK551, DK540, DK621, DK626##, DK493, DK431, DK525, DK635, DK626Btx##
EPLEY BROS HYBRID	EX2434, 3710, 3608, 3620, 2480
FEDERAL HYBRIDS	FX39F
FONTANELLE	4193, 5306, 3946, 4567, 5567, 5117, 4997, 3997, 4988
GARST SEED CO	8342, 8464, 8560
GEERTSON SEED	GS-1117, GS-998
GIANT	GB 3145, GB 3147, GB 3175, GB 3097
GOLDEN HARVEST	H-2404, H-2547##, H-2581##, H-2390, H-2493, H-2478, H-2390Bt, EX8665Bt, EX8698Bt, EX699, EX8673Bt, EX8711Bt
GRAND VALLEY	SX1356, SX1167, GVV6742, GVV4277, GVV7268, GVV4776, GVV0946
HAWKEYE HYBRIDS	97-801, SX29, SX40, SX81, SX44A, SX55, SX42
HY-VIGOR	7050, 7035
HOEGEMEYER	2551, 2618, 2591, 2612, 2614
JACOBSEN	JS4500Bt, JS56, JS4848, JS4733, JS4755, JS4855
KAYSTAR	KX-790, KX-909, KX-777, KX-808, KX-625, KX575, KX-675, KX-780
KRUGER	K-9620, K9614A, K-9616B, K9716, K-9715+, K-9813, K-9813B, K-9816, K-9915, EX811B, EX811A, K-9912, K-9807Bt, EX813B, K-9914, K-9916, K-9909Bt, K-9814, K-9818Bt, K-9814imi, EX810Bt, EX813Bt, EX814Bt, K-9513 RR
KSC/CHALLENGER	K-9620, K-9813B, K-9808, K-9816, K-9410, K-9910, K-9915, EX815, EX814B, EX813B, EX814B, EX813B, K-9810, K-9912, K-9814imi, K-9807Bt, K-9919, K-9810, , K-9914, K-9916, K-9614A, K-9814, K-9814B, K-9715+, K-9912, K-9814imi, K-9807Bt
LEWIS	4466, 4137
L G SEEDS	LG 2705, LG 2583, LG 2579, LG 2624, LG 2726, LG 2637, LG 2587, LG 2616, LG 2530, LG 2483, LG 2694, G 8440, G 8771, G 8699, G 8511, 7611, G 7689, G 7711
MIDWEST GENETICS	764, 774, 798
MIDLAND	MP-1123, MP-1133, MP-1134, MP-1063, MP-1072, MP-1155, MP-0991, MP-1051
MILLER PREFERRED	7250, 2815, 2395, 2545, 2888, 2569, 2620, 2722, 2787, 2853, 2593
MYCOGEN	4616, 5445, 4880##, 3869, 4646
NC+	N7333##, N4640, N6423, N7639Bt##, N5909, NX4616, N65-R5, Max88, N4640Bt, N53-M1,
NOVARTIS	2467, 2482X, 5050, 5460, 4888, 5233, 5480, 5606X, 5066, 4811
OTILIE	3049, 3977, 2680, 2025, 2295
PFISTER	3563, 3489##, 3568, 33A14##, 34G81, 35N05, 35R57
PIONEER	P280
PREMIUM	7240, 7242, 7404, 7411
PSA	6469, X7013, 8418BT, 8248BT, X8417, X8316, 6318, 6386, 6337, 6349
RENZE	SOI 9126, SOI 9146, SOI 9137, SOI 9128, SOI 9087,
SANDS	7011, 7012, 7013, 7014
SEDEX	TR1087, TR1157, TR1097, TR1088, TR1128, E1089IT, E1178, TR1047, E1188,
TERRA	E1158IT, E1166Bt, E1148, E1058Bt, 1522, 1514, 1220, 1141, 8810, 1866, 1664, 1719, 2335, 1390, 1792, 1098, E3034, E5062, E6011, E6013, E6018
TRIUMPH	
WILSON	

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

Southeast Dryland Corn Hybrid Tests **Otoe and Richardson Counties - 1998**



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
		Average bu/a	Otoe bu/a	Richardson bu/a			
RENZE	8418BT	159	150 *	168 *	17.9	0	57.9
CARGILL	8412	150	131	168 *	18.2	2	58.4
KRUGER	K-9620	150	137	162 *	18.1	1	58.2
KSC/CHALLENGER	EX815	150	144 *	156 *	16.6	1	57.9
-----	B73 X N204	148	132	164 *	18.4	0	57.8
LG SEEDS	LG 2726	148	120	175 **	18.3	0	57.9
DEKALB Genetics	DK595	148	137	158 *	15.4	0	57.8
M/W GENETICS	G 8699	147	138	155	17.2	1	56.9
KSC/CHALLENGER	K-9919	147	154 **	139	17.3	0	55.9
KRUGER	K-9818Bt	147	126	168 *	18.0	0	57.3
TRIUMPH	1866	147	132	162 *	17.4	0	58.1
TERRA	TR1157	146	134	158 *	17.6	1	55.7
PFISTER	3977	146	133	159 *	18.2	0	56.2
MYCOGEN	2787	145	132	157 *	15.8	0	57.1
MYCOGEN	2815	145	147 *	142	16.6	1	56.9
WILSON	2335	145	131	158 *	19.1	0	56.7
CARGILL	7777##	145	128	161 *	17.2	1	58.2
HAWKEYE	SX81	144	130	157 *	17.3	0	56.8
LG SEEDS	LG 2694	143	118	167 *	18.1	1	56.8
SANDS	SOI 9146	142	124	160 *	16.5	0	57.8
DEKALB Genetics	DK635	142	134	150	15.5	1	57.1
KRUGER	K-9816	142	126	158 *	17.3	0	57.9
LEWIS	4137	142	127	156 *	16.3	1	59.2
LG SEEDS	LG 2624	141	129	152	16.4	0	56.1
CROW'S	664	141	137	144	17.5	0	55.9
CROW'S	496	141	133	149	16.1	0	56.7
CROW'S	691	139	119	159 *	18.4	1	57.4
MILLER PREF	MP-1155	139	122	156 *	16.5	1	57.7
KRUGER	K-9715+	138	124	152	16.9	1	57.5
FONTANELLE	5567	138	125	150	16.3	1	57.8
DEKALB Genetics	DK626##	138	133	143	16.0	1	56.7
MILLER PREF	MP-1123	138	123	152	16.3	1	57.4
MYCOGEN	2888	138	104	171 *	18.3	1	57.9
TERRA	TR1128	136	123	149	16.7	0	58.5
NOVARTIS	N7639Bt##	136	131	141	16.6	0	59.9
KSC/CHALLENGER	K-9915	136	121	150	16.8	0	58.0
RENZE	x8316	135	119	150	16.7	0	56.2
OTILIE	2467	135	118	151	16.2	0	57.8
PIONEER	33A14##	135	127	143	16.6	0	57.8
DEKALB Genetics	DK621	134	122	145	15.8	0	58.0
WILSON	E5062	134	116	152	18.4	0	57.6
RENZE	6469	134	123	145	16.8	0	57.9
LEWIS	4466	134	126	141	17.1	0	57.2
RENZE	6337	134	118	149	15.1	1	58.2
MYCOGEN	2725	133	117	149	16.5	0	56.9
KSC/CHALLENGER	K-9614A	133	120	145	16.2	0	57.7
TERRA	E1158IT	132	125	138	17.1	0	56.5
KRUGER	K-9916	131	110	151	17.0	0	57.2
SANDS	SOI 9126	131	123	138	16.4	1	57.2
CROW'S	492	129	118	140	15.8	0	55.3
CROW'S	363	129	121	136	15.3	1	56.8

Continued on page 2

Southeast Dryland Corn Hybrid Tests **Otoe and Richardson Counties - 1998 Page 2**



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
		Average bu/a	Otoe bu/a	Richardson bu/a			
RENZE	x8417	128	117	139	17.0	0	58.6
TERRA	E1148	128	117	139	15.5	0	58.4
M/W GENETICS	G 8771	127	121	133	17.4	1	56.0
KSC/CHALLENGER	K-9914	125	117	132	16.8	0	55.5
KSC/CHALLENGER	EX814B	123	111	135	15.2	1	58.3
JACOBSEN	JS56	122	109	134	16.1	1	57.6
HAWKEYE	97-801	121	99	142	16.7	0	57.6
GOLDEN HARVEST	H-2581##	120	114	126	16.5	0	57.2
KRUGER	K-9814imi	117	103	130	16.8	0	58.5
Average all entries		138	125	153	16.8	0	57.4
Dif. Req. for Sig.	5%	5	14	19	0.5	NS	NS
	25%	3	9	11	0.3	0	0.4

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 **1994 - 1998**



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
OTILIE	5460	158	16.7	2	0	58.0
KRUGER	K-9620	157	17.1	2	0	59.1
WILSON	2335	156	17.9	1	0	57.6
HAWKEYE	SX81	156	16.2	1	0	57.9
MYCOGEN	2888	155	17.4	2	1	58.8
LG SEEDS	LG 2624	155	16.3	2	0	58.1
LG SEEDS	LG 2726	154	16.9	3	1	58.7
M/W GENETICS	G 8699	152	16.0	1	1	57.5
FONTANELLE	5567	152	15.7	3	0	58.6
KRUGER	K-9715+	150	16.2	1	0	58.3
PFISTER	3977	150	16.9	1	0	57.7
SANDS	SOI 9146	150	15.8	1	0	58.5
TERRA	TR1157	149	16.5	1	0	57.2
TERRA	TR1128	147	15.9	1	1	59.5
-----	B73 X N204	147	17.0	3	1	59.3
CROW'S	496	146	15.4	1	1	57.2
LEWIS	4466	144	16.0	2	1	58.0
OTILIE	2467	142	15.6	1	0	58.2
M/W GENETICS	G 8771	140	16.5	2	0	57.3
GOLDEN HARVEST	H-2581##	140	15.7	1	1	57.7
SANDS	SOI 9126	135	15.6	2	0	58.0
Average all entries		149	16.3	2	0	58.1
Dif. Req. for Sig.	5%	NS	0.4	NS	NS	0.4
	25%	3	0.2	NS	NS	0.2
3 Year Averages						
WILSON	2335	168	19.0	0	0	57.3
HAWKEYE	SX81	167	16.9	1	0	57.2
KRUGER	K-9620	165	18.1	2	0	58.4
OTILIE	5460	165	16.7	1	0	57.6
SANDS	SOI 9146	158	16.3	1	0	57.9
TERRA	TR1157	155	16.9	1	0	56.8
CROW'S	496	153	15.9	1	1	56.5
M/W GENETICS	G 8771	152	17.4	1	0	56.6
LEWIS	4466	150	16.5	1	1	57.6
-----	B73 X N204	149	17.0	2	0	58.4
OTILIE	2467	147	16.0	1	0	57.6
Average all entries		157	17.0	1	0	57.5
Dif. Req. for Sig.	5%	4	0.4	NS	NS	0.3
	25%	2	0.2	NS	0	0.2
4 Year Averages						
HAWKEYE	SX81	159	16.8	2	1	57.3
KRUGER	K-9620	158	17.9	2	0	58.5
CROW'S	496	147	15.6	1	1	56.7
-----	B73 X N204	143	17.4	2	1	58.7
OTILIE	2467	142	15.8	1	0	57.6
Average all entries		150	16.7	1	1	57.8
Dif. Req. for Sig.	5%	4	0.4	NS	NS	0.2
	25%	2	0.2	NS	NS	0.1
5 Year Averages						
HAWKEYE	SX81	166	17.0	2	1	57.4
-----	B73 X N204	149	17.5	2	0	58.8
Average all entries		157	17.2	2	1	58.1
Dif. Req. for Sig.	5%	NS	NS	NS	NS	0.3
	25%	3	NS	NS	NS	0.1

East Central Dryland Corn Hybrid Test Washington and Saunders County - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average	Washington bu/a	Saunders bu/a				
KSC/CHALLENGER	EX815	192	192 **	191 *	16.9	0.0	0.0	58.4
MYCOGEN	2787	191	185 *	196 *	15.9	0.0	0.0	56.9
RENZE	8418BT	189	181 *	197 *	18.2	0.0	0.0	58.1
SANDS	SOI 9146	185	169	200 **	16.7	3.0	0.0	58.4
KRUGER	K-9818Bt	184	191 *	177	17.9	0.0	0.0	58.0
PFISTER	3049	183	182 *	184 *	16.5	1.0	0.0	56.5
TERRA	TR1088	183	183 *	182 *	15.9	0.0	0.0	55.7
TERRA	TR1157	181	180 *	182 *	18.0	1.0	0.0	56.5
CROW'S	496	181	170	191 *	16.3	1.0	0.0	56.5
KRUGER	K-9816	181	183 *	179 *	17.1	0.0	0.0	58.6
CARGILL	7770	179	167	190 *	17.0	1.0	0.0	58.2
CROW'S	492	179	182 *	175	15.9	0.0	0.0	56.1
DEKALB Genetics	DK635	178	172 *	184 *	15.5	3.0	1.0	57.3
TERRA	TR1128	178	176 *	180 *	16.3	1.0	0.0	59.6
KRUGER	K-9716	177	182 *	172	16.6	1.0	0.0	56.7
DEKALB Genetics	DK595	177	173 *	180 *	15.2	1.0	1.0	58.6
KSC/CHALLENGER	K-9916	176	170	182 *	17.1	1.0	0.0	57.2
NOVARTIS	N7333##	175	175 *	174	16.7	1.0	0.0	59.2
RENZE	x7013	175	178 *	172	16.6	2.0	0.0	59.2
WILSON	1719	174	176 *	171	16.5	1.0	0.0	58.0
KRUGER	K-9915	174	177 *	170	17.0	0.0	0.0	58.0
KSC/CHALLENGER	K-9914	173	175 *	171	16.5	0.0	1.0	56.2
TERRA	E1058Bt	173	164	182 *	16.4	2.0	0.0	58.2
SANDS	SOI 9126	172	170	173	16.0	1.0	0.0	57.6
RENZE	6349	172	166	177	16.2	1.0	0.0	55.9
LG SEEDS	LG 2587	171	170	172	16.6	1.0	0.0	59.0
HY-VIGOR SEEDS	7050	171	169	173	16.2	1.0	0.0	58.9
LG SEEDS	LG 2616	171	164	178	17.1	2.0	0.0	56.6
PIONEER	3489 ##	170	167	172	15.7	1.0	1.0	58.2
KSC/CHALLENGER	K-9814	169	174 *	163	15.9	1.0	0.0	56.8
EPLEY BROS HYBRID	EX3608	169	169	168	15.4	1.0	0.0	57.9
HY-VIGOR SEEDS	7035	169	162	175	16.1	1.0	0.0	57.9
TERRA	E1089IT	169	159	179 *	15.7	1.0	0.0	57.9
KRUGER	K-9614A	168	168	167	15.8	1.0	1.0	57.8
OTILIE	2467	168	171	165	16.0	1.0	0.0	57.9
MYCOGEN	2725	168	167	168	16.0	2.0	0.0	57.8
WILSON	1664	168	164	171	16.1	1.0	0.0	57.4
SANDS	SOI 9128	167	167	167	16.0	1.0	0.0	57.2
RENZE	6469	167	166	167	17.4	1.0	0.0	57.9
LG SEEDS	LG 2583	167	165	169	15.5	1.0	1.0	57.5
MYCOGEN	7250	166	171	160	16.3	1.0	0.0	57.1
CARGILL	6888	165	168	162	16.0	1.0	0.0	57.7
GOLDEN HARVEST	H-2547 ##	164	172 *	155	15.7	2.0	0.0	57.8
KRUGER	K-9813	163	159	166	16.6	1.0	0.0	55.9
EPLEY BROS HYBRID	EX3620	163	162	163	15.9	1.0	0.0	58.0
KSC/CHALLENGER	EX814B	163	164	162	15.3	0.0	0.0	58.7
-----	B73 X N204	162	162	162	17.1	6.0	1.0	58.5
M/W GENETICS	G 7711	162	162	162	15.9	1.0	0.0	57.5
DEKALB Genetics	DK580##	161	158	164	15.2	2.0	0.0	58.7
SANDS	SOI 9137	161	172 *	149	15.7	1.0	0.0	57.5
RENZE	6386	161	170	151	15.9	1.0	0.0	58.3

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East Central Dryland Corn Hybrid Test

Washington and Saunders County - 1998 Page 2



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average	Washington bu/a	Saunders bu/a				
PFISTER	2680	159	162	155	16.1	0.0	0.0	57.8
EPLEY BROS HYBRID	E2480	158	164	152	15.0	0.0	0.0	57.2
M/W GENETICS	G 7689	157	160	154	16.0	2.0	0.0	59.7
M/W GENETICS	G 7611	154	147	161	16.1	1.0	0.0	58.0
DEKALB Genetics	DK621	152	161	143	15.6	0.0	0.0	58.5
KSC/CHALLENGER	K-9814imi	152	148	156	16.8	1.0	0.0	59.2
EPLEY BROS HYBRID	EX2434	147	147	146	15.5	1.0	0.0	57.7
Average all entries		170	169	171	16.2	0.8	0.0	57.7
Dif. Req. for Sig.	5%	16	20	21	1.4	NS	NS	1.5
	25%	9	11	13	0.8	NS	NS	0.9

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** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

East Central Dryland Corn Hybrid Tests 1994 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushe weight lb/bu
2 Year Averages						
TERRA	TR1128	165	16.0	5	1	59.9
CARGILL	7770	163	16.9	4	1	59.0
KRUGER	K-9716	163	16.6	4	1	56.8
PFISTER	3049	162	16.6	4	2	56.5
MYCOGEN	2725	161	16.3	3	1	57.8
CROW'S	496	161	16.2	4	1	56.8
DEKALB Genetics	DK595	161	15.3	3	1	58.7
KRUGER	K-9915	161	17.1	3	1	58.0
WILSON	1719	160	16.4	5	1	58.4
TERRA	TR1157	160	17.6	5	1	56.7
OTILIE	2467	160	16.2	3	1	58.1
KRUGER	K-9614A	160	16.2	3	1	57.9
SANDS	SOI 9126	159	16.1	5	1	57.8
PIONEER	3489 ##	159	15.7	9	1	58.3
SANDS	SOI 9128	158	15.9	3	1	57.0
NOVARTIS	N7333##	158	16.5	3	1	59.5
RENZE	6349	157	16.0	3	1	56.0
KRUGER	K-9813	157	16.1	2	1	56.1
CARGILL	6888	156	16.2	3	1	57.7
WILSON	1664	155	16.1	4	1	57.8
MYCOGEN	7250	155	16.1	4	1	57.5
PFISTER	2680	154	16.2	3	0	57.8
DEKALB Genetics	DK580##	153	15.3	5	1	59.2
SANDS	SOI 9137	152	15.7	2	1	57.7
-----	B73 X N204	149	17.1	7	3	59.0
RENZE	6386	147	15.9	6	1	58.3
Average all entries		158	16.2	4	1	57.8
Dif. Req. for Sig.	5%	NS	0.2	NS	NS	0.2
	25%	NS	0.1	NS	0	0.1
3 Year Averages						
CARGILL	7770	164	16.7	3	0	58.6
KRUGER	K-9716	164	16.6	2	0	56.0
MYCOGEN	2725	164	16.4	2	0	57.5
TERRA	TR1157	164	18.4	3	0	56.1
NOVARTIS	N7333##	163	16.7	2	0	59.0
CROW'S	496	162	16.2	3	0	56.3
WILSON	1719	160	16.7	4	1	57.8
OTILIE	2467	160	16.4	2	1	57.5
PIONEER	3489 ##	159	16.0	6	1	58.0
DEKALB Genetics	DK580##	159	15.3	3	0	58.6
MYCOGEN	7250	158	16.3	3	0	57.2
SANDS	SOI 9126	158	16.1	3	0	57.5
SANDS	SOI 9137	158	15.7	1	0	57.4
CARGILL	6888	155	16.1	2	0	57.4
RENZE	6386	152	16.2	4	0	57.8
-----	B73 X N204	152	17.6	5	2	58.4
Average all entries		159	16.5	3	1	57.6
Dif. Req. for Sig.	5%	NS	0.3	NS	NS	0.2
	25%	2	0.2	NS	0	0.1

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East Central Dryland Corn Hybrid Tests 1994 - 1998 Page 2



		4 Year Averages				
MYCOGEN	7250	146	17.8	3	1	57.0
DEKALB Genetics	DK580##	146	16.3	4	1	58.5
RENZE	6386	140	17.3	4	1	57.5
-----	B73 X N204	135	19.3	6	2	58.0
Average all entries		142	17.7	4	1	57.7
Dif. Req. for Sig.	5%	NS	0.4	NS	NS	0.2
	25%	2	0.2	1	0	0.1
		5 Year Averages				
DEKALB Genetics	DK580##	150	16.0	4	1	58.4
-----	B73 X N204	142	19.0	6	1	58.2
Average all entries		146	17.5	5	1	58.3
Dif. Req. for Sig.	5%	NS	0.6	NS	NS	NS
	25%	2	0.3	NS	NS	NS

Southeast Irrigated Corn Hybrid Tests Polk and Hamilton Counties - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Polk bu/a	Hamilton bu/a				
TRIUMPH	1866	198	211 *	184	23.1	2	0	52.8
PIONEER	33A14##	196	198 *	194 *	20.8	4	0	53.0
MIDLAND	798	196	203 *	189	23.6	4	1	52.2
TERRA	TR1157	193	180	205 *	23.0	4	0	50.3
KSC/CHALLENGER	K-9620	193	189 *	197 *	23.2	5	0	52.6
CROW'S	664	192	189 *	195 *	23.3	4	0	50.4
MILLER PREF	MP-1155	191	175	207 **	20.0	5	0	54.3
TERRA	E1166Bt	190	215 **	164	22.5	1	0	51.5
KSC/CHALLENGER	EX815	188	183	192 *	21.4	4	0	54.1
LG SEEDS	LG 2637	187	181	193 *	21.5	3	0	52.2
PREMIUM SEED	P280	187	181	192 *	19.0	8	1	57.3
FONTANELLE	5567	187	183	190	20.8	6	0	54.3
CROW'S	496	186	177	194 *	20.6	5	0	53.4
OTILIE	5480	186	165	207 **	21.2	2	0	52.4
MYCOGEN	7250	183	169	196 *	20.5	2	0	53.5
FONTANELLE	4988	183	170	196 *	17.8	3	1	55.6
KSC/CHALLENGER	EX814B	182	162	202 *	19.2	2	0	54.7
RENZE	8418BT	180	198	161	22.4	2	0	52.1
KRUGER	K-9818Bt	180	192	167	22.8	2	0	52.5
CARGILL	7770	180	176	183	21.5	2	0	52.1
JACOBSEN	JS56	179	166	191	19.8	3	1	54.0
MYCOGEN	2722	179	160	198 *	19.2	3	0	53.9
DEN BESTEN	5112	179	166	191	18.9	6	1	55.7
PFISTER	3049	179	164	193 *	20.3	3	1	53.0
NC+	4880	179	163	194 *	19.6	4	0	54.5
NOVARTIS	N7639Bt##	179	178	179	20.0	2	0	54.3
WILSON	1792	178	164	191	22.8	9	0	51.9
KRUGER	K-9614A	178	170	185	19.9	5	0	54.3
SANDS	SOI 9146	177	170	183	21.3	8	0	53.0
OTILIE	2467	176	160	191	19.6	4	1	53.4
WILSON	1664	176	164	188	19.5	7	0	56.2
RENZE	6469	176	154	198 *	21.3	2	1	53.1
MILLER PREF	MP-1123	176	167	185	19.2	6	0	54.8
TERRA	E1188	176	179	173	23.0	4	0	52.8
FONTANELLE	5306	175	159	190	19.1	5	1	55.6
LG SEEDS	LG 2579	174	158	190	19.6	4	0	54.6
MIDLAND	764	174	159	189	19.1	5	0	54.9
DEKALB Genetics	DK632	174	156	191	20.2	1	1	54.0
HAWKEYE	SX42	173	157	188	18.8	2	0	53.3
KRUGER	K-9914	173	155	190	20.1	2	1	52.8
JACOBSEN	JS4755	173	148	197 *	20.0	5	0	54.9
MYCOGEN	2725	172	152	192 *	20.1	4	0	54.6
CARGILL	6888	172	160	183	19.3	5	0	54.3
RENZE	6386	172	153	190	19.4	6	0	55.3
DEN BESTEN	2611	171	159	182	19.6	4	0	55.9
CROW'S	492	169	165	172	20.2	2	0	52.7
DEKALB Genetics	DK621	169	150	188	19.0	5	1	55.4
PFISTER	2680	168	154	181	19.3	6	0	54.0
KRUGER	K-9915	168	148	188	20.8	4	0	52.5
RENZE	x7013	168	153	183	20.8	3	0	53.2
HAWKEYE	SX40	168	156	179	20.0	3	1	56.1

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Southeast Irrigated Corn Hybrid Tests

Polk and Hamilton Counties - 1998 Page 2



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Polk bu/a	Hamilton bu/a				
FEDERAL	FX39D	166	153	179	20.9	3	1	52.5
DEKALB Genetics	DK635	165	151	179	18.8	3	0	54.1
WILSON	1719	165	151	179	20.0	4	0	54.2
SANDS	SOI 9126	165	152	178	19.4	3	1	54.7
TERRA	E1148	164	143	184	19.9	2	1	54.7
HAWKEYE	SX55	163	135	190	19.6	7	1	55.5
M/W GENETICS	G 7711	163	139	186	19.3	5	1	54.6
GOLDEN HARVEST	H-2547 ##	162	145	179	19.5	7	0	54.5
TRIUMPH	1141	162	143	181	19.5	4	1	54.5
KRUGER	K-9814	160	146	174	20.6	3	0	52.1
KSC/CHALLENGER	K-9814imi	158	166	149	20.1	3	0	55.7
RENZE	6337	155	139	171	18.2	7	0	56.2
KSC/CHALLENGER	K-9919	146	143	149	21.8	2	0	52.0
-----	B73 X N204	141	156	125	22.8	9	1	54.8
Average all entries		177	165	180	20.1	4	0	53.9
Dif. Req. for Sig.	5%	NS	26	15	1.4	3	1	1.6
	25%	NS	15	9	0.8	2	0	1.0

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** denotes top yielding hybrids at each location

* denotes hybrids not significantly different than top yielding hybrid

Southeast Irrigated Corn Hybrid Tests 1994 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
TERRA	TR1157	187	21.3	7	1	54.1
LG SEEDS	LG 2637	186	19.3	4	0	55.4
FONTANELLE	5567	186	19.5	9	1	56.8
JACOBSEN	JS56	185	18.3	6	1	56.4
WILSON	1792	184	21.5	13	1	55.3
MYCOGEN	7250	183	19.1	4	1	55.9
CROW'S	496	181	18.4	5	1	55.4
TRIUMPH	1141	180	18.2	6	1	56.8
KRUGER	K-9614A	180	18.3	7	1	56.6
DEKALB Genetics	DK632	180	18.8	5	2	56.6
MILLER PREF	MP-1123	180	18.0	7	0	56.7
WILSON	1664	179	18.4	6	0	57.3
KRUGER	K-9915	179	19.5	6	1	55.8
CARGILL	7770	179	19.8	6	0	55.7
FONTANELLE	5306	178	18.0	7	1	57.3
MYCOGEN	2725	177	18.5	5	1	56.4
SANDS	SOI 9146	176	19.8	10	1	56.0
OTILIE	2467	176	18.4	5	1	56.1
RENZE	6386	176	18.0	7	1	57.0
HAWKEYE	SX55	175	18.2	7	1	57.1
GOLDEN HARVEST	H-2547 ##	174	18.3	7	1	56.6
CARGILL	6888	174	18.2	6	1	56.6
LG SEEDS	LG 2579	174	19.3	6	1	57.0
WILSON	1719	172	18.7	8	1	56.6
SANDS	SOI 9126	169	18.0	6	1	56.7
-----	B73 X N204	149	20.8	16	2	57.7
Average all entries		178	18.9	7	1	56.4
Dif. Req. for Sig.	5%	NS	0.4	2	NS	NS
	25%	3	0.2	1	NS	0.4
3 Year Averages						
MYCOGEN	7250	190	18.8	3	0	55.9
FONTANELLE	5306	190	17.8	6	1	57.3
RENZE	6386	189	18.0	5	0	57.0
CARGILL	7770	188	19.3	4	0	55.7
CROW'S	496	187	17.8	3	1	55.4
MYCOGEN	2725	187	17.9	4	0	56.4
OTILIE	2467	186	18.2	4	0	56.1
HAWKEYE	SX55	186	17.9	5	1	57.1
SANDS	SOI 9146	186	19.6	8	0	56.0
LG SEEDS	LG 2579	185	18.9	5	1	57.0
CARGILL	6888	185	17.8	4	1	56.6
WILSON	1664	185	17.9	5	0	57.3
SANDS	SOI 9126	180	17.8	5	1	56.7
WILSON	1719	178	18.5	5	0	56.6
TERRA	TR1157	177	21.0	5	0	54.1
-----	B73 X N204	155	20.0	12	1	57.7
Average all entries		184	18.6	5	1	56.4
Dif. Req. for Sig.	5%	6	0.3	1	NS	NS
	25%	3	0.2	1	NS	0.3

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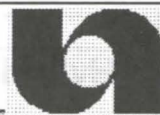
Southeast Irrigated Corn Hybrid Tests 1994 - 1998 Page 2



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
4 Year Averages						
MYCOGEN	7250	183	19.5	3	0	56.3
RENZE	6386	183	18.8	5	1	57.0
OTILIE	2467	180	18.9	4	1	56.5
HAWKEYE	SX55	180	18.4	5	1	57.0
CROW'S	496	179	18.3	4	1	55.5
SANDS	SOI 9126	173	18.7	5	1	56.7
-----	B73 X N204	151	21.3	11	1	57.7
Average all entries		175	19.1	5	1	56.7
Dif. Req. for Sig.	5%	4	0.4	1	NS	0.3
	25%	2	0.2	1	NS	0.2
5 Year Averages						
MYCOGEN	7250	186	19.1	3	0	56.7
-----	B73 X N204	154	21.3	12	1	57.8
Average all entries		170	20.2	7	1	57.3
Dif. Req. for Sig.	5%	4	0.7	2	NS	NS
	25%	2	0.3	1	NS	0.2

South Central Irrigated Corn Hybrid Tests

Clay and Kearney Counties - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Green snap pct
		Average bu/a	Clay bu/a	Kearney bu/a				
RENZE	8418BT	219	200 *	237 *	21.5	1	0	0
MIDLAND	774	213	188 *	238 *	20.2	1	0	2
KSC/CHALLENGER	EX815	212	198 *	226 *	19.3	1	0	1
KRUGER	K-9818Bt	207	206 **	207	21.4	1	0	1
PIONEER	33A14##	206	193 *	218	19.6	2	1	2
FONTANELLE	5567	206	203 *	209	20.2	5	1	3
OTILIE	5460	206	190 *	222 *	20	4	0	2
WILSON	E6018	206	193 *	218	20.5	1	0	1
TERRA	E1166Bt	205	195 *	214	20.9	0	0	1
RENZE	6469	204	191 *	216	20.7	4	0	3
MIDLAND	764	204	195 *	212	19.3	4	0	0
CROW'S	496	203	186 *	219	19.7	3	0	5
TERRA	E1158IT	203	186 *	220	20.9	2	0	1
MYCOGEN	7250	203	186 *	219	19.2	1	0	1
JACOBSEN	JS4855	203	182	223 *	20.1	2	0	5
KSC/CHALLENGER	K-9816	203	182	223 *	20.4	2	0	1
MILLER PREF	MP-1155	203	186 *	219	19.4	4	1	1
MYCOGEN	2725	202	184	220	19.3	3	0	1
CROW'S	664	202	162	241 **	22.1	2	0	16
LG SEEDS	LG 2579	202	188 *	216	19.4	2	0	3
OTILIE	2467	201	181	221	19	3	0	1
HAWKEYE	SX55	201	192 *	209	19.2	2	0	0
TRIUMPH	1141	201	187 *	215	19.3	3	1	0
JACOBSEN	JS56	201	182	219	19	5	0	1
KRUGER	K-9914	201	179	222 *	19.7	5	0	2
LG SEEDS	LG 2637	200	174	225 *	21	2	0	2
DEKALB Genetics	DK621	200	184	215	18.5	1	0	2
MYCOGEN	2853	200	178	221	20	1	0	2
MILLER PREF	MP-1123	200	186 *	214	19.5	2	0	1
LG SEEDS	LG 2694	200	174	225 *	20.8	2	1	11
M/W GENETICS	G 7711	200	184	216	19.4	3	0	2
M/W GENETICS	G 8511	199	159	239 *	19.9	1	1	4
DEKALB Genetics	DK632	199	187 *	210	19.7	1	1	1
NC+	4880##	199	188 *	210	19.8	3	0	4
FONTANELLE	5117	199	178	220	18.4	1	0	9
RENZE	6386	198	186 *	210	19.1	3	0	0
TERRA	TR1157	198	168	228 *	21.2	2	1	18
KSC/CHALLENGER	K-9814	198	160	236 *	18.9	1	0	14
RENZE	x7013	198	180	216	20.6	2	1	2
CROW'S	492	197	186 *	208	19.4	3	0	0
FONTANELLE	4988	197	177	217	18.3	1	1	6
WILSON	1719	196	175	217	19.4	1	0	9
KSC/CHALLENGER	EX814B	196	179	212	18.7	1	1	5
GOLDEN HARVEST	H-2547 ##	196	188 *	203	19	3	0	0
JACOBSEN	JS4848	195	162	227 *	20.5	2	0	11
HAWKEYE	SX42	195	188 *	201	18.6	1	0	1
KRUGER	K-9513 RR	193	181	205	20.2	4	0	2
SANDS	SOI 9137	193	173	213	18.8	1	0	1
JACOBSEN	JS4733	192	172	211	19.3	1	0	2
NOVARTIS	N7639Bt##	192	172	212	20.5	1	0	0
SANDS	SOI 9126	192	181	202	19.2	3	0	2

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South Central Irrigated Corn Hybrid Tests Clay and Kearney Counties - 1998 Page 2



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Green snap pct
		Average bu/a	Clay bu/a	Kearney bu/a				
SANDS	SOI 9128	191	170	211	18.6	2	0	6
KRUGER	K-9614A	190	175	204	18.8	3	1	1
KRUGER	K-9616B	190	170	210	19.1	2	0	10
OTILIE	5233	190	169	211	19.7	2	0	1
KRUGER	K-9915	189	177	201	20.3	4	1	8
HAWKEYE	SX40	188	176	199	19.3	3	1	2
GARST SEED CO	8464	188	168	208	19.3	2	0	3
KAYSTAR	KX-909	187	161	212	20.6	1	0	5
LG SEEDS	LG 2587	187	158	215	20	1	0	3
GARST SEED CO	8342	185	178	191	20.4	1	0	2
WILSON	1664	184	173	194	18.7	3	0	1
RENZE	6318	183	177	188	18.2	1	0	0
TRIUMPH	1514	183	158	207	19.3	4	0	5
DEKALB Genetics	DK635	181	162	199	18.9	2	2	10
MIDLAND	798	179	136	222 *	22.9	2	1	24
MILLER PREF	MP-1134	175	163	186	18.7	2	0	4
TERRA	E1188	175	143	207	21.8	3	2	13
KSC/CHALLENGER	K-9814imi	174	167	181	20.7	1	0	1
-----	B73 X N204	167	156	177	21.8	8	1	3
Average all entries		196	178	213	19.8	3	0	4.0
Dif. Req. for Sig.	5%	NS	21	19	0.3	2	NS	6.0
	25%	14	12	11	0.2	1	0	3.0

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** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

South Central Irrigated Corn Hybrid Tests 1994 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct
2 Year Averages					
LG SEEDS	LG 2579	204	17.8	4	4
FONTANELLE	5117	203	17.1	5	3
KSC/CHALLENGER	K-9816	202	18.9	4	5
MILLER PREF	MP-1123	200	18.1	4	4
OTILIE	2467	200	18.0	5	3
JACOBSEN	JS4855	200	18.4	5	4
HAWKEYE	SX55	200	17.8	6	5
TRIUMPH	1141	199	18.1	5	5
FONTANELLE	5567	198	18.3	10	7
DEKALB Genetics	DK632	198	18.5	5	3
MYCOGEN	2725	198	17.9	6	3
RENZE	6386	197	17.7	4	3
MYCOGEN	7250	197	18.1	3	2
WILSON	1719	196	18.2	4	3
CROW'S	496	195	18.0	8	3
KRUGER	K-9614A	195	17.6	6	5
KRUGER	K-9616B	194	18.0	6	3
GARST SEED CO	8464	193	18.0	5	3
JACOBSEN	JS4848	192	18.9	4	5
SANDS	SOI 9126	192	17.7	5	4
KRUGER	K-9915	191	19.0	7	6
OTILIE	5460	191	18.6	11	6
LG SEEDS	LG 2637	187	20.1	5	8
WILSON	1664	187	17.6	6	4
TRIUMPH	1514	186	17.6	7	3
GARST SEED CO	8342	179	18.0	6	3
MILLER PREF	MP-1134	173	17.4	4	3
-----	B73 X N204	159	20.1	11	9
Average all entries		193	18.2	6	4
Dif. Req. for Sig.	5%	5	0.3	1	NS
	25%	3	0.2	1	NS
3 Year Averages					
LG SEEDS	LG 2579	210	17.8	4	7
MILLER PREF	MP-1123	208	18.1	4	2
JACOBSEN	JS4855	207	18.5	6	3
OTILIE	2467	207	18.0	5	3
MYCOGEN	2725	206	17.6	5	2
HAWKEYE	SX55	206	17.5	6	3
WILSON	1719	204	18.4	4	3
MYCOGEN	7250	202	18.1	4	2
CROW'S	496	201	17.8	7	1
WILSON	1664	200	17.7	5	2
KRUGER	K-9616B	199	18.2	5	4
SANDS	SOI 9126	197	17.7	6	3
OTILIE	5460	197	18.2	9	2
TRIUMPH	1514	197	17.5	6	3
-----	B73 X N204	167	19.4	10	2
Average all entries		201	18.0	6	3
Dif. Req. for Sig.	5%	4	0.3	1	NS
	25%	2	0.2	1	1
Continued on page 2					

South Central Irrigated Corn Hybrid Tests

1994 - 1998 Page 2



		4 Year Averages			
OTILIE	2467	201	17.4	5	6
MYCOGEN	2725	197	17.2	5	2
KRUGER	K-9616B	195	17.7	5	2
MYCOGEN	7250	193	17.4	4	3
CROW'S	496	192	17.0	6	1
-----	B73 X N204	161	18.8	12	2
Average all entries		190	17.6	6	2
Dif. Req. for Sig.	5%	4	0.3	1	NS
	25%	2	0.2	1	1
		5 Year Averages			
MYCOGEN	7250	190	17.8	6	1
-----	B73 X N204	167	19.5	10	6
Average all entries		179	18.6	8	3
Dif. Req. for Sig.	5%	NS	0.6	NS	NS
	25%	5	0.3	NS	1

Webster Co. Dryland Corn Hybrid Test - 1998



Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Plants per acre
TERRA	E1178	172	19.7	15010
LG SEEDS	LG 2726	152	21.3	14930
LG SEEDS	LG 2694	152	19.8	15370
KRUGER	K-9620	146	21.2	15330
KSC/CHALLENGER	K-9912	144	17.0	16610
DEKALB Genetics	DK626Btx##	142	15.0	14940
TERRA	TR1128	141	16.6	15930
KSC/CHALLENGER	EX815	141	16.8	14430
TERRA	TR1157	138	19.5	15990
KSC/CHALLENGER	K-9715+	136	18.0	14950
M/W GENETICS	G 8699	136	18.6	14790
KRUGER	K-9916	136	18.0	16380
CARGILL	7770	134	17.4	16220
KRUGER	K-9818Bt	133	18.7	14360
CARGILL	6888	133	15.8	16060
MILLER PREF	MP-1155	133	16.9	13690
KRUGER	K-9915	132	17.1	15120
KRUGER	K-9816	131	17.6	15040
RENZE	6469	129	17.1	15780
RENZE	x8316	129	18.2	13620
DEKALB Genetics	DK635	128	15.1	14470
OTILIE	5480	128	17.5	14750
MYCOGEN	7250	127	16.7	14400
TERRA	E1166Bt	127	19.1	13760
RENZE	x8417	127	18.1	14500
DEKALB Genetics	DK621	124	15.9	14440
LG SEEDS	LG 2705	123	18.8	15020
DEKALB Genetics	DK595	123	14.9	15220
KSC/CHALLENGER	K-9814imi	123	17.8	15780
OTILIE	2467	121	16.8	13500
KSC/CHALLENGER	K-9919	120	17.0	12670
RENZE	x7013	116	15.5	14330
-----	B73 X N204	113	17.7	14480
MYCOGEN	2725	113	15.6	15080
Average all entries		131	17.4	14825
Dif. Req. for Sig.	5%	18	1.1	NS
	25%	11	0.6	NS

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South Central Dryland Corn Hybrid Tests 1996 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct
2 Year Averages					
LG SEEDS	LG 2726	123	18.6	8	0
CARGILL	6888	120	14.9	3	2
CARGILL	7770	116	16.9	2	2
KRUGER	K-9620	116	18.5	15	1
M/W GENETICS	G 8699	115	16.7	6	2
LG SEEDS	LG 2705	111	17.2	4	0
-----	B73 X N204	110	16.6	8	0
MYCOGEN	7250	101	15.7	4	0
OTILIE	2467	97	15.7	2	0
Average all entries		112	16.8	6	1
Dif. Req. for Sig.	5%	NS	NS	NS	NS
	25%	NS	0.7	NS	NS
3 Year Averages					
MYCOGEN	7250	135	18.7	5	0
-----	B73 X N204	123	20.0	6	1
Average all entries		129	19.4	5	1
Dif. Req. for Sig.	5%	NS	NS	NS	NS
	25%	NS	0.3	NS	NS

Dixon Co. Dryland Corn Hybrid Test - 1998



Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Green snap rating
JACOBSEN	JS56	183	18.3	0	2	0.0
GOLDEN HARVEST	H-2547 ##	178	16.6	0	1	0.0
JACOBSEN	JS4848	174	18.8	1	4	0.0
PIONEER	3489 ##	173	18.2	0	1	0.0
OTILIE	2467	169	19.4	0	1	0.0
KRUGER	K-9818Bt	167	18.2	0	1	0.0
LG SEEDS	LG 2587	165	19.1	2	8	0.3
CROW'S	496	165	14.1	0	5	0.0
RENZE	6337	164	17.6	1	4	0.0
OTILIE	5460	163	19.5	0	2	0.0
MIDLAND	798	161	18.6	2	8	0.3
TERRA	TR1128	155	19.0	1	5	0.0
RENZE	x7013	153	19.0	0	7	0.0
MYCOGEN	2725	153	17.1	0	1	0.0
EPLEY BROS HYBRI	EX3608	152	16.3	1	4	0.0
KAYSTAR	KX-777	152	17.7	2	3	0.0
LG SEEDS	LG 2624	151	18.5	2	14	0.0
WILSON	E6013	151	15.8	1	2	0.5
RENZE	6349	150	19.0	1	1	0.3
LG SEEDS	LG 2583	149	16.9	0	3	0.0
-----	B73 X N204	149	18.7	3	6	0.8
KSC/CHALLENGER	K-9912	149	18.3	1	7	0.0
TERRA	E1058Bt	148	18.8	0	0	0.0
DEN BESTEN	2611	148	19.0	0	2	0.0
PFISTER	2025	147	17.8	3	5	0.0
EPLEY BROS HYBRI	EX3620	147	16.8	0	2	0.0
KSC/CHALLENGER	K-9814imi	145	19.2	0	1	0.0
MIDLAND	764	143	17.9	1	4	0.0
WILSON	1664	143	17.8	0	2	0.0
M/W GENETICS	G 7711	143	18.0	2	3	0.0
TERRA	TR1087	142	18.1	0	5	0.0
MYCOGEN	2722	142	18.1	1	3	0.0
HY-VIGOR SEEDS	7035	142	18.8	0	2	0.0
KSC/CHALLENGER	K-9910	141	15.3	0	0	0.0
KRUGER	K-9916	140	18.2	0	1	0.0
EPLEY BROS HYBRI	EX2434	140	16.7	0	4	0.0
DEKALB Genetics	DK580##	140	18.4	0	2	0.0
DEN BESTEN	5112	139	18.3	0	2	0.0
KRUGER	K-9915	139	17.2	0	2	0.0
DEKALB Genetics	DK621	138	15.6	0	6	0.0
RENZE	6386	136	15.2	1	2	0.0
DEN BESTEN	2608	136	18.2	1	11	0.0
KSC/CHALLENGER	K-9807Bt	135	18.4	1	3	0.0
DEKALB Genetics	DK595	134	17.0	0	9	0.0
KRUGER	K-9909Bt	134	18.6	5	10	0.0
SANDS	SOI 9126	131	18.3	1	2	0.0
CROW'S	366	128	17.7	4	1	0.0
HY-VIGOR SEEDS	7050	127	19.1	5	9	0.0
JACOBSEN	JS4500BT	126	18.1	1	2	0.3
TERRA	TR1157	126	17.7	4	8	0.0
TERRA	E1089IT	126	18.4	0	0	0.0
TERRA	TR1047	124	17.7	2	8	1.0
CROW'S	363	124	16.6	11	14	2.0
WILSON	E6011	122	16.2	2	4	0.3
SANDS	SOI 9087	117	16.3	0	0	0.0
KRUGER	EX810Bt	99	17.9	1	15	0.0
Average all entries		145	17.8	1	4	0.1
Dif. Req. for Sig.	5%	31	NS	4	5	NS
	25%	18	1.6	2	3	NS

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Northeast Dryland Corn Hybrid Tests 1995 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct
2 Year Averages					
OTILIE	2467	151	19.9	0	1
PIONEER	3489 ##	150	18.9	0	1
MYCOGEN	2725	143	19.1	0	1
RENZE	6337	141	19.9	1	4
RENZE	6349	141	19.8	1	1
KSC/CHALLENGER	K-9910	139	18.5	0	0
WILSON	1664	137	18.9	0	2
TERRA	TR1087	135	18.7	0	5
----	B73 X N204	134	21.0	3	6
RENZE	6386	133	17.5	1	2
HY-VIGOR SEEDS	7035	132	19.6	0	2
DEKALB Genetics	DK595	129	18.2	0	9
HY-VIGOR SEEDS	7050	128	20.4	5	9
SANDS	SOI 9126	128	18.6	1	2
DEKALB Genetics	DK580##	128	18.8	0	2
Average all entries		136	19.2	1	3
Dif. Req. for Sig.	5%	NS	NS	NS	NS
	25%	NS	NS	NS	NS
3 Year Averages					
SANDS	SOI 9126	133	18.3	3	2
RENZE	6386	132	17.7	2	3
HY-VIGOR SEEDS	7035	132	19.1	2	1
TERRA	TR1087	131	18.2	1	4
----	B73 X N204	129	20.4	4	6
DEKALB Genetics	DK580##	128	18.6	3	4
Average all entries		131	18.7	2	3
Dif. Req. for Sig.	5%	NS	NS	NS	NS
	25%	NS	1	NS	1
4 Year Averages					
----	B73 X N204	144	20.3	3	4
DEKALB Genetics	DK580##	138	18.1	3	3
Average all entries		141	19.2	3	3
Dif. Req. for Sig.	5%	NS	NS	NS	NS
	25%	NS	0.6	NS	NS



Burt Co. Irrigated Corn Hybrid Test - 1998

Brand	Hybrid	Grain Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu	Plants per acre
RENZE	8418BT	203	24.5	0	0	52.8	34790
WILSON	E6013	200	20.0	1	0	56.2	37020
KRUGER	K-9807Bt	199	18.9	0	0	58.2	33850
OTILIE	2467	199	19.0	0	0	55.7	35810
GOLDEN HARVEST	H-2547 ##	198	19.9	0	0	55.7	35340
KSC/CHALLENGER	K-9814B	197	19.4	1	0	56.4	32830
RENZE	8248BT	196	18.6	1	0	56.2	33540
JACOBSEN	JS4500BT	194	18.2	1	0	56.9	35850
DEN BESTEN	2611	192	20.0	1	0	55.5	36350
EPLEY BROS HYBRIDS	E3710	192	22.3	1	0	52.8	33440
EPLEY BROS HYBRIDS	E2480	191	17.8	2	0	57.6	34300
KRUGER	K-9513 RR	189	19.6	1	0	54.1	32820
KRUGER	K-9818Bt	189	23.2	0	0	53.3	34840
HAWKEYE	SX55	189	19.7	1	0	55.6	33540
KRUGER	EX814Bt	188	22.1	2	0	52.8	34840
KRUGER	K-9614A	187	20.1	2	0	55.8	33840
LG SEEDS	LG 2579	186	19.1	1	0	56.7	33170
KSC/CHALLENGER	K-9808	186	20.5	1	0	55.0	33840
LG SEEDS	LG 2587	186	22.8	1	0	54.1	32350
LG SEEDS	LG 2637	185	22.5	2	0	53.8	34000
TERRA	TR1087	184	18.3	1	0	56.5	33580
DEKALB Genetics	DK595	184	19.9	1	0	55.7	30650
KRUGER	EX813Bt	184	19.3	0	0	55.3	33670
RENZE	6386	183	18.8	0	0	55.7	33210
WILSON	E3034	183	18.1	1	0	56.1	31320
M/W GENETICS	G 7711	183	18.8	3	0	56.5	33460
CARGILL	6888	182	20.1	2	0	55.4	35680
CARGILL	7770	182	22.3	1	0	54.3	30900
KSC/CHALLENGER	K-9914	180	20.5	1	0	53.5	33000
HY-VIGOR SEEDS	7035	179	20.0	1	1	56.2	32830
M/W GENETICS	G 8440	179	21.6	3	1	54.3	31020
MYCOGEN	2725	179	19.4	2	0	56.1	32330
HAWKEYE	SX42	179	19.1	1	0	56.1	35180
SANDS	SOI 9126	177	20.4	1	0	55.3	34000
DEN BESTEN	5112	177	18.3	2	0	56.7	33750
-----	B73 X N204	176	22.4	3	0	54.6	34000
TERRA	TR1047	174	17.6	3	0	56.4	34170
EPLEY BROS HYBRIDS	EX3620	173	20.3	1	0	55.3	34670
SANDS	SOI 9137	173	18.9	2	0	56.5	34340
PIONEER	3489 ##	173	19.2	0	0	57.4	32910
KRUGER	K-9616B	172	19.8	1	0	55.6	30650
WILSON	1664	172	19.8	1	0	55.4	32260
RENZE	6349	172	19.3	1	0	54.3	30900
KSC/CHALLENGER	K-9910	172	18.2	2	0	56.4	33440
JACOBSEN	JS56	172	19.8	1	0	55.7	31990
KRUGER	K-9909Bt	171	19.6	0	0	55.4	33840
DEN BESTEN	2608	170	17.4	0	0	56.3	33800
TERRA	E1058Bt	170	18.6	0	0	55.6	30820
RENZE	6318	170	19.6	1	0	56.6	30990

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Burt Co. Irrigated Corn Hybrid Test - 1998 Page 2



Brand	Hybrid	Grain Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu	Plants per acre
KRUGER	K-9915	169	23.2	1	0	52.9	30470
MYCOGEN	2722	169	19.4	1	0	55.2	29770
KSC/CHALLENGER	K-9814	169	21.5	0	0	52.5	29590
TERRA	TR1097	167	19.5	0	0	55.8	32740
DEKALB Genetics	DK580##	165	18.0	2	0	55.5	33750
DEKALB Genetics	DK551	164	17.8	1	0	56.8	31990
DEKALB Genetics	DK586	162	18.0	1	0	57.0	33330
HY-VIGOR SEEDS	7050	160	22.2	2	0	54.4	32240
KSC/CHALLENGER	K-9410	158	18.8	1	0	55.8	33600
HAWKEYE	SX29	154	18.7	2	0	57.3	32050
EPLEY BROS HYBRIDS	EX2434	151	17.8	1	0	56.5	32660
RENZE	6337	151	18.7	0	0	56.1	30770
WILSON	E6011	146	18.5	1	0	58.0	31160
KRUGER	EX810Bt	142	20.0	0	0	55.0	31000
Average all entries		178	19.8	1	0	55.5	33145
Dif. Req. for Sig.	5%	25	1.3	N.S.	N.S.	1.4	4216
	25%	15	0.8	N.S.	N.S.	0.8	2482

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Northeast Irrigated Corn Hybrid Tests 1994 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
HAWKEYE	SX55	190	18.6	4	0	56.7
M/W GENETICS	G 8440	186	20.3	12	1	56.2
LG SEEDS	LG 2579	184	18.4	3	0	57.3
TERRA	TR1087	182	17.2	4	0	57.3
MYCOGEN	2725	181	18.3	5	1	56.2
CARGILL	7770	181	20.6	5	0	56.6
DEKALB Genetics	DK595	181	18.3	5	0	57.4
KRUGER	K-9616B	181	18.9	5	0	56.9
HY-VIGOR SEEDS	7035	180	18.7	3	1	57.0
KRUGER	K-9614A	179	18.9	4	0	57.0
CARGILL	6888	179	18.8	7	0	56.6
SANDS	SOI 9137	179	17.5	4	1	57.3
WILSON	1664	177	18.7	4	0	56.7
PIONEER	3489 ##	176	18.0	7	0	58.0
TERRA	TR1097	176	18.7	3	0	56.8
DEKALB Genetics	DK586	173	17.2	6	0	57.8
-----	B73 X N204	169	21.2	18	0	56.1
DEKALB Genetics	DK580##	168	17.4	9	0	57.2
Average all entries		179	18.6	6	0	56.9
Dif. Req. for Sig.	5%	NS	0.5	NS	NS	NS
	25%	NS	0.3	NS	NS	NS
3 Year Averages						
HAWKEYE	SX55	189	19.2	4	0	56.7
M/W GENETICS	G 8440	187	20.9	10	0	56.2
CARGILL	6888	184	19.1	6	0	56.6
KRUGER	K-9616B	180	19.9	4	0	56.9
KRUGER	K-9614A	179	19.3	3	0	57.0
HY-VIGOR SEEDS	7035	177	19.6	2	0	57.0
WILSON	1664	177	19.5	3	0	56.7
DEKALB Genetics	DK580##	176	18.2	9	0	57.2
TERRA	TR1087	176	18.4	3	0	57.3
DEKALB Genetics	DK586	175	18.5	6	0	57.8
PIONEER	3489 ##	174	18.7	6	0	58.0
-----	B73 X N204	163	21.8	15	0	56.1
Average all entries		178	19.4	6	0	56.9
Dif. Req. for Sig.	5%	NS	0.5	3	NS	NS
	25%	5	0.3	2	NS	0.3
4 Year Averages						
HAWKEYE	SX55	170	18.4	7	2	56.7
TERRA	TR1087	165	17.7	4	1	57.3
KRUGER	K-9614A	163	18.4	5	1	57.0
M/W GENETICS	G 8440	163	19.4	11	1	56.2
DEKALB Genetics	DK580##	162	17.3	10	1	57.2
-----	B73 X N204	145	20.6	15	1	56.1
Average all entries		161	18.6	9	1	56.7
Dif. Req. for Sig.	5%	NS	0.5	4	NS	NS
	25%	5	0.3	2	NS	NS
5 Year Averages						
DEKALB Genetics	DK580##	157	17.1	10	1	57.2
-----	B73 X N204	147	20.7	13	1	56.1
Average all entries		152	18.9	11	1	56.6
Dif. Req. for Sig.	5%	NS	0.4	NS	NS	NS
	25%	NS	0.2	NS	NS	0.1

Central Irrigated Corn Hybrid Tests Custer and Dawson Counties - 1998



Brand	Hybrid	Average bu/a	Yield Custer bu/a	Dawson bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
KRUGER	K-9513 RR	246	245 *	246 **	20.0	2.0	0.0	54.7
HAWKEYE	SX44A	237	245 *	229	20.3	1.0	0.0	56.5
LG SEEDS	LG 2579	236	239 *	232 *	20.8	2.0	0.0	57.3
KSC/CHALLENGER	EX814B	236	245 *	227	19.1	1.0	0.0	56.8
CARGILL	6888	235	235 *	235 *	20.4	1.0	0.0	56.9
OTILIE	2467	234	232 *	236 *	19.3	2.0	0.0	55.9
HAWKEYE	SX55	234	236 *	232 *	19.4	1.0	0.0	56.5
KRUGER	K-9614A	233	239 *	226	19.4	0.0	0.0	56.8
MIDLAND	764	233	231 *	234 *	20.7	1.0	0.0	56.2
DEKALB Genetics	DK551	232	249 **	214	16.8	2.0	0.0	57.3
M/W GENETICS	G 7711	232	237 *	226	19.3	1.0	0.0	57.5
KRUGER	K-9915	230	223	236 *	23.1	1.0	0.0	56.0
FONTANELLE	5117	229	235 *	222	20.0	2.0	0.0	56.2
MYCOGEN	2725	229	235 *	222	20.1	1.0	0.0	56.7
CROW'S	363	229	243 *	215	18.8	1.0	0.0	56.0
TRIUMPH	1141	229	215	242 *	21.6	2.0	0.0	56.3
KAYSTAR	KX-780	229	240 *	218	17.9	0.0	1.0	55.7
MILLER PREF	MP-1123	228	229	227	21.1	1.0	0.0	56.9
WILSON	E6013	227	236 *	218	19.3	0.0	0.0	57.8
MYCOGEN	2722	226	230 *	221	19.3	0.0	0.0	54.8
KRUGER	EX814Bt	224	211	237 *	22.2	0.0	0.0	55.9
KSC/CHALLENGER	EX815	223	225	221	21.8	4.0	0.0	56.4
GEERTSON SEED	GS-1117	222	217	226	19.6	1.0	0.0	56.2
HAWKEYE	SX40	222	220	223	21.9	1.0	0.0	56.1
KSC/CHALLENGER	K-9814	221	213	229	22.3	1.0	0.0	53.8
FONTANELLE	4988	221	227	215	18.1	1.0	0.0	56.1
DEKALB Genetics	DK595	220	223	216	19.0	1.0	0.0	56.2
CARGILL	7770	219	204	234 *	22.6	2.0	0.0	56.3
CROW'S	496	219	211	227	20.8	0.0	0.0	55.8
KSC/CHALLENGER	K-9914	218	213	222	23.3	1.0	0.0	55.0
TRIUMPH	8810	218	235 *	201	19.1	2.0	0.0	55.6
KRUGER	K-9816	217	199	235 *	22.6	2.0	0.0	55.8
KRUGER	K-9818Bt	217	209	224	25.4	2.0	0.0	56.0
WILSON	1664	216	222	210	20.6	1.0	0.0	56.5
KRUGER	K-9813B	216	220	212	20.0	2.0	0.0	56.5
OTILIE	4888	216	225	206	18.1	1.0	0.0	59.8
KAYSTAR	KX-777	213	221	205	19.2	1.0	0.0	56.0
KSC/CHALLENGER	EX813B	211	204	217	21.3	5.0	0.0	56.4
CROW'S	492	211	204	218	20.3	0.0	0.0	54.9
LG SEEDS	LG 2530	208	211	204	18.5	2.0	1.0	56.3
MILLER PREF	MP-1072	207	219	195	17.8	0.0	0.0	59.7
MIDLAND	798	204	176	231 *	26.5	1.0	0.0	56.6
WILSON	E3034	203	210	195	17.9	2.0	0.0	55.7
KSC/CHALLENGER	K-9814imi	201	199	203	19.9	0.0	0.0	57.0
DEKALB Genetics	DK540	199	213	185	17.2	4.0	0.0	58.3
KRUGER	K-9912	199	175	223	24.5	1.0	0.0	57.2
CROW'S	664	194	160	228	27.5	3.0	0.0	53.5
Average all entries		220	220	220	20.3	1.4	0.1	56.4
Dif Req for Sig	5%	NS	19	15	5.1	NA	NA	1.5
	25%	NS	11	9	2.9	NA	NA	0.9

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

Central Irrigated Corn Hybrid Tests 1995 - 1998



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	223	21.3	3	1	57.1
OTILIE	2467	220	20.4	3	1	56.5
CARGILL	6888	219	20.6	3	1	57.0
HAWKEYE	SX55	217	22.1	3	1	56.7
MILLER PREF	MP-1123	217	21.5	3	1	56.7
HAWKEYE	SX44A	216	20.9	3	1	56.7
TRIUMPH	1141	215	21.2	3	1	56.7
MYCOGEN	2725	214	20.6	3	1	56.9
KRUGER	K-9915	213	24.6	3	0	56.1
FONTANELLE	5117	212	21.0	3	1	56.4
KRUGER	K-9816	212	24.2	4	1	56.6
CARGILL	7770	212	23.8	4	0	56.4
KRUGER	K-9614A	211	20.7	3	1	56.6
DEKALB Genetics	DK595	208	19.5	2	0	56.7
KAYSTAR	KX-777	207	20.7	2	1	56.5
WILSON	1664	204	21.9	3	1	56.6
CROW'S	496	202	22.4	3	1	56.1
MILLER PREF	MP-1072	198	18.5	2	0	60.2
Average all entries		212	21.4	3	0	56.8
Dif. Req. for Sig.	5%	NS	0.7	NS	NS	0.3
	25%	3	0.4	NS	NS	0.2
3 Year Averages						
LG SEEDS	LG 2579	216	20.0	2	0	56.5
OTILIE	2467	214	19.6	2	1	56.0
CARGILL	6888	213	20.1	2	1	56.3
HAWKEYE	SX55	211	20.3	2	1	56.3
HAWKEYE	SX44A	210	19.5	2	0	56.1
KAYSTAR	KX-777	209	19.4	2	1	55.8
MILLER PREF	MP-1123	208	20.4	2	0	55.9
MYCOGEN	2725	207	19.6	2	1	56.4
CARGILL	7770	207	22.0	3	0	56.1
WILSON	1664	204	20.7	2	0	56.0
CROW'S	496	200	20.8	2	1	55.3
Average all entries		209	20.2	2	1	56.1
Dif. Req. for Sig.	5%	NS	NS	NS	NS	0.2
	25%	NS	0.3	NS	NS	0.1
4 Year Averages						
HAWKEYE	SX55	201	20.4	2	1	55.6
HAWKEYE	SX44A	200	19.6	3	0	55.2
KAYSTAR	KX-777	198	19.4	2	1	55.0
MYCOGEN	2725	196	19.7	2	1	55.6
Average all entries		199	19.8	2	0	55.4
Dif. Req. for Sig.	5%	NS	NS	NS	NS	0.2
	25%	NS	NS	NS	NS	0.1

Southwest Irrigated Corn Hybrid Tests Furnas and Red Willow Counties - 1998



Brand	Hybrid	Yield		Red Willow bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Furnas bu/a					
CROW'S	664	248	236 **	260 **	20.2	1	0	55.7
CROW'S	691	242	225 *	259 *	19.0	1	0	57.9
OTILIE	5606X	222	230 *	213	17.5	0	0	57.1
MILLER PREF	MP-1133	218	215	220	15.5	1	0	57.4
CARGILL	7770	216	219 *	212	17.1	2	0	59.4
LG SEEDS	LG 2587	215	219 *	210	16.0	0	0	59.7
-----	B73 X N204	207	196	218	19.6	4	0	58.0
OTILIE	5480	205	205	205	17.5	0	0	57.9
OTILIE	2482X	200	223 *	176	17.7	0	0	56.8
MYCOGEN	2853	198	179	217	17.9	0	0	58.0
DEKALB Genetics	DK635	197	204	189	13.2	0	0	59.0
DEKALB Genetics	DK632	197	202	191	14.8	0	0	59.8
DEKALB Genetics	DK595	193	190	196	13.4	0	0	59.2
NC+	5445	189	202	175	15.7	0	0	58.3
MILLER PREF	MP-1123	187	198	176	14.2	0	0	59.8
NC+	4880##	186	200	171	14.7	0	0	59.5
MYCOGEN	7250	185	202	168	16.7	0	0	58.6
CARGILL	6888	184	204	163	14.9	0	0	59.9
MYCOGEN	2725	179	183	174	15.0	0	0	59.6
KAYSTAR	KX-808	174	170	178	14.5	0	0	57.8
KAYSTAR	KX-777	173	178	168	13.8	0	0	60.1
LG SEEDS	LG 2579	172	180	163	14.3	0	0	59.9
DEKALB Genetics	DK586	136	142	130	12.4	0	0	59.5
Average all entries		196	199	190	15.9	0	0	58.6
Dif Req for Sig	5%	32	22	20	3.2	NS	NS	1.4
	25%	18	13	11	1.8	NS	NS	0.8

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Southwest Ecofallow Corn Hybrid Tests Red Willow and Lincoln County - 1998



Brand	Hybrid	Yield		Lincoln bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
		Average bu/a	Red Will bu/a					
MYCOGEN	7250	152	167 **	137 **	19.4	0.0	0.0	57.4
MYCOGEN	2725	150	161 *	138 *	22.6	0.0	0.0	55.1
NC+	4616	147	160 *	133 *	17.3	0.0	0.0	58.7
CROW'S	664	140	166 *	114	18.5	0.0	1.0	58.1
CROW'S	691	140	152 *	127 *	24.1	0.0	0.0	56.1
KAYSTAR	KX-777	131	145	116	16.1	0.0	0.0	59.0
-----	B73 X N204	130	143	116	23.4	4.0	0.0	56.2
DEKALB Genetics	DK566	128	136	120	14.8	1.0	0.0	58.2
NC+	3869	101	116	86	15.6	0.0	0.0	59.5
DEKALB Genetics	DK493	101	99	102	15.3	0.0	0.0	58.8
MILLER PREF	MP-1063	96	106	85	13.4	0.0	0.0	59.2
Average all entries		128	141	116	18.3	0.6	0.1	57.8
Dif Req for Sig	5%	15	14	13	NS	NS	NS	NS
	25%	9	8	8	NS	NS	NS	NS

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

Southwest Irrigated Corn Hybrid Tests



1994 - 1998

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
CARGILL	7770	231	17.0	4	0	59.1
MILLER PREF	MP-1133	223	17.2	5	1	56.6
DEKALB Genetics	DK632	211	16.3	4	0	58.7
MYCOGEN	7250	210	17.5	4	0	57.7
OTILIE	2482X	209	17.7	2	1	56.8
LG SEEDS	LG 2579	204	15.2	4	0	59.3
-----	B73 X N204	203	20.2	10	0	57.2
CARGILL	6888	200	15.9	4	0	59.1
KAYSTAR	KX-777	200	15.0	4	0	59.0
MILLER PREF	MP-1123	195	15.4	4	0	59.4
KAYSTAR	KX-808	194	15.4	4	0	57.5
MYCOGEN	2725	193	16.0	4	0	59.1
DEKALB Genetics	DK595	192	14.0	4	1	58.8
NC+	4880##	191	14.7	10	0	59.5
Average all entries		204	16.2	5	0	58.4
Dif. Req. for Sig.	5%	NS	0.6	NS	NS	0.4
	25%	NS	0.3	1	NS	0.2
3 Year Averages						
CARGILL	7770	222	16.4	3	0	58.4
OTILIE	2482X	211	17.0	1	1	56.0
MYCOGEN	7250	209	17.1	3	0	56.8
KAYSTAR	KX-777	205	14.9	4	0	58.1
-----	B73 X N204	199	19.2	9	0	56.5
MILLER PREF	MP-1123	196	15.2	5	0	58.2
MYCOGEN	2725	196	15.6	4	0	58.3
Average all entries		205	16.4	4	0	57.5
Dif. Req. for Sig.	5%	NS	0.5	1	NS	0.3
	25%	NS	0.3	1	NS	0.2
4 Year Averages						
MYCOGEN	7250	204	17.4	6	0	57.0
KAYSTAR	KX-777	199	15.5	4	1	58.0
-----	B73 X N204	187	19.4	11	1	56.9
Average all entries		197	17.4	7	0	57.3
Dif. Req. for Sig.	5%	NS	0.5	NS	NS	NS
	25%	NS	0.3	2	0	0.2
5 Year Averages						
MYCOGEN	7250	203	17.4	5	0	57.2
-----	B73 X N204	192	19.4	9	1	57.0
Average all entries		197	18.4	7	0	57.1
Dif. Req. for Sig.	5%	NS	0.3	NS	NS	NS
	25%	NS	0.2	1	NS	NS

Southwest Ecofallow Corn Hybrid Tests 1995 - 1998

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
MYCOGEN	7250	123	16.4	3	1	57.7
NC+	4616	118	15.2	3	3	57.9
-----	B73 X N204	104	19.2	7	4	57.1
Average all entries		115	16.9	4	2	57.6
Dif. Req. for Sig.	5%	3	NS	2	NS	0.5
	25%	1	0.4	1	3	0.2
3 Year Averages						
MYCOGEN	7250	121	19.8	3	0	55.6
NC+	4616	112	19.3	2	3	55.7
-----	B73 X N204	101	23.9	5	3	55.1
Average all entries		111	21.0	3	2	55.4
Dif. Req. for Sig.	5%	3	1.0	1	NS	0.2
	25%	2	0.5	1	1	0.1
4 Year Averages						
NC+	4616	98	19.4	3	4	54.6
-----	B73 X N204	85	23.4	7	3	54.0
Average all entries		92	21.4	5	3	54.3
Dif. Req. for Sig.	5%	4	0.9	1	NS	0.2
	25%	2	0.4	1	NS	0.1

West Central Irrigated Corn Hybrid Tests Lincoln and Dundy Counties - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Lincoln bu/a	Dundy bu/a				
MILLER PREF	MP-1123	260	278 *	241 **	15.7	3.0	0.0	58.0
CARGILL	6888	256	276 *	235 *	15.4	2.0	0.0	58.3
LG SEEDS	LG 2579	253	281 **	224 *	15.7	2.0	0.0	58.3
OTILIE	2467	253	273 *	233 *	15.5	3.0	0.0	57.8
FONTANELLE	5567	252	281 **	223 *	16.0	6.0	0.0	58.4
NC+	4880##	251	268 *	234 *	15.8	3.0	0.0	58.1
WILSON	1664	250	272 *	227 *	15.4	3.0	0.0	57.8
NC+	4646	249	272 *	225 *	14.6	3.0	0.0	58.0
MYCOGEN	2725	244	272 *	215	15.7	2.0	0.0	58.0
HAWKEYE	SX55	243	256	230 *	15.5	3.0	1.0	58.1
DEKALB Genetics	DK551	242	260	223 *	13.5	2.0	0.0	58.8
MYCOGEN	7250	242	262	222 *	16.0	3.0	0.0	56.9
HAWKEYE	SX44A	239	260	218	14.5	3.0	0.0	58.7
CROW'S	492	237	263 *	210	15.1	3.0	1.0	56.7
TRIUMPH	1522	237	257	216	16.0	3.0	0.0	58.1
MYCOGEN	2722	236	250	221	14.7	4.0	0.0	58.1
CROW'S	496	234	254	214	15.0	4.0	0.0	58.6
KAYSTAR	KX-808	234	252	215	14.7	3.0	0.0	56.9
KAYSTAR	KX-777	232	240	223 *	15.0	1.0	0.0	58.0
FONTANELLE	4988	232	250	213	14.2	2.0	0.0	58.8
TRIUMPH	1220	231	251	211	14.8	3.0	0.0	58.5
CROW'S	664	229	241	217	16.8	5.0	0.0	55.3
DEKALB Genetics	DK586	228	248	207	13.8	3.0	0.0	59.2
OTILIE	5233	227	238	215	14.8	6.0	0.0	60.6
MILLER PREF	MP-1072	217	230	204	14.2	1.0	0.0	62.1
WILSON	E3034	209	221	197	13.7	1.0	0.0	58.4
LG SEEDS	LG 2530	209	235	182	14.1	6.0	0.0	59.2
WILSON	1390	208	245	170	13.5	6.0	0.0	59.1
DEKALB Genetics	DK540	206	222	189	14.2	2.0	0.0	60.9
MILLER PREF	MP-1063	205	208	202	14.3	2.0	0.0	60.4
FONTANELLE	4193	200	209	190	14.4	3.0	0.0	59.7
-----	B73 X N204	199	219	178	17.5	5.0	0.0	57.5
LG SEEDS	LG 2483	163	171	155	13.0	2.0	0.0	57.0
Average all entries		230	249	216	14.9	2.8	0.0	58.4
Dif Req for Sig	5%	21	18	19	0.8	NS	NS	1.3
	25%	12	11	11	0.5	1.9	0.1	0.7

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West Central Irrigated Corn Hybrid Tests 1994 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
OTILIE	2467	240	14.8	6	1	58.4
NC+	4880##	240	15.3	4	1	57.9
CARGILL	6888	237	14.9	6	1	59.0
FONTANELLE	5567	237	15.1	8	2	60.1
LG SEEDS	LG 2579	235	14.6	6	1	57.6
MYCOGEN	2725	234	14.8	6	1	58.1
MILLER PREF	MP-1123	232	14.6	5	1	59.3
MYCOGEN	7250	231	15.1	5	1	57.6
TRIUMPH	1522	230	15.3	5	1	58.8
HAWKEYE	SX55	230	15.2	6	2	57.8
KAYSTAR	KX-808	229	14.3	6	1	57.5
HAWKEYE	SX44A	229	13.9	4	1	58.7
KAYSTAR	KX-777	228	14.3	3	0	58.4
CROW'S	496	226	14.6	8	2	58.2
WILSON	1664	224	14.4	7	1	58.3
TRIUMPH	1220	223	14.3	7	1	58.1
WILSON	1390	211	13.3	8	1	59.2
DEKALB Genetics	DK586	209	13.0	6	1	59.3
MILLER PREF	MP-1063	207	13.7	5	1	59.9
MILLER PREF	MP-1072	203	13.3	8	1	60.1
-----	B73 X N204	199	16.7	13	2	57.9
Average all entries		225	14.5	6	1	58.6
Dif. Req. for Sig.	5%	9	0.3	NS	NS	NS
	25%	5	0.2	1	NS	NS
3 Year Averages						
OTILIE	2467	215	15.6	5	1	56.7
CROW'S	496	210	15.4	6	1	56.0
MYCOGEN	7250	209	16.0	4	1	56.5
HAWKEYE	SX44A	208	14.9	3	1	56.3
TRIUMPH	1522	207	16.6	5	1	55.7
MYCOGEN	2725	207	15.6	5	1	55.7
KAYSTAR	KX-777	204	15.1	3	0	56.2
HAWKEYE	SX55	203	15.7	5	1	55.7
WILSON	1664	203	15.4	5	1	56.6
TRIUMPH	1220	199	15.2	6	1	55.8
DEKALB Genetics	DK586	187	13.4	4	1	56.8
-----	B73 X N204	184	17.9	11	1	55.3
Average all entries		203	15.6	5	1	56.1
Dif. Req. for Sig.	5%	6	0.3	1	NS	NS
	25%	3	0.2	1	NS	NS
4 Year Averages						
MYCOGEN	7250	204	16.7	4	1	55.2
CROW'S	496	202	15.8	6	2	54.9
KAYSTAR	KX-777	201	15.7	4	0	55.3
MYCOGEN	2725	201	15.9	5	1	54.8
-----	B73 X N204	176	19.0	11	2	54.1
Average all entries		197	16.6	6	1	54.8
Dif. Req. for Sig.	5%	5	0.4	1	NS	NS
	25%	3	0.2	1	0	NS
5 Year Averages						
MYCOGEN	7250	198	16.1	4	1	56.3
-----	B73 X N204	179	18.6	10	1	55.3
Average all entries		189	17.4	7	1	55.8
Dif. Req. for Sig.	5%	NS	0.4	NS	NS	NS
	25%	5	0.2	1	0	NS

North Central Irrigated Corn Hybrid Tests

Brown and Rock Counties - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Brown bu/a	Rock bu/a				
NOVARTIS	N6423	214	233 *	195	15.6	2.0	1.0	56.0
CROW'S	398Bt	214	223 *	204 **	15.2	1.0	0.0	55.4
ASGROW	RX640Bt	211	233 *	188	15.1	0.0	0.0	55.8
MIDLAND	764	211	237 **	184	16.4	2.0	0.0	54.6
KAYSTAR	KX-780	208	220	195	14.6	2.0	0.0	56.5
KRUGER	EX814Bt	208	230 *	186	15.9	1.0	0.0	56.0
KRUGER	K-9915	205	221 *	188	17.9	1.0	1.0	54.6
MIDLAND	798	204	219	188	18.2	3.0	0.0	55.9
ASGROW	RX505Bt	201	223 *	178	13.6	0.0	0.0	56.7
ASGROW	RX670	201	231 *	171	15.0	2.0	1.0	56.3
NOVARTIS	N59Q9	200	215	185	14.7	2.0	0.0	56.0
KRUGER	EX813B	199	231 *	166	15.5	2.0	0.0	54.4
COOP	4500Bt	198	217	178	15.1	1.0	0.0	55.4
CROW'S	209Bt	198	223 *	173	13.6	1.0	0.0	56.6
MYCOGEN	2620	198	213	183	13.8	2.0	0.0	57.9
NOVARTIS	N65-R5	198	215	181	15.1	1.0	0.0	56.3
KRUGER	K-9513 RR	197	224 *	170	15.6	2.0	1.0	54.9
KSC/CHALLENGER	K-9914	194	222 *	165	16.3	2.0	0.0	53.6
OTILIE	5050	194	223 *	164	15.8	3.0	0.0	55.4
KAYSTAR	KX-777	193	225 *	161	15.8	2.0	1.0	55.6
LG SEEDS	LG 2530	192	208	176	13.7	1.0	1.0	57.9
MYCOGEN	2722	191	221 *	161	15.3	2.0	1.0	54.9
FONTANELLE	4997	191	214	168	15.2	4.0	0.0	59.3
GOLDEN HARVEST	Ex 8673Bt	189	204	174	14.1	0.0	0.0	56.0
PIONEER	35N05	189	212	166	14.7	0.0	0.0	58.2
CARGILL	6303	188	205	171	14.9	1.0	0.0	55.8
KRUGER	K-9614A	187	217	157	15.8	3.0	1.0	54.3
WILSON	1664	187	216	157	15.9	1.0	0.0	55.5
KSC/CHALLENGER	K-9813B	186	202	170	15.9	1.0	1.0	56.1
COOP	7550	186	211	160	14.5	2.0	0.0	55.8
KSC/CHALLENGER	K-9807Bt	185	222 *	148	14.1	1.0	0.0	58.4
DEKALB Genetics	DK586	184	204	163	13.5	2.0	1.0	57.0
KSC/CHALLENGER	K-9910	184	198	170	14.8	3.0	0.0	55.9
LG SEEDS	LG 2579	183	224 *	141	16.1	2.0	0.0	55.1
KSC/CHALLENGER	K-9814	183	223 *	142	16.0	3.0	0.0	53.8
OTILIE	5066	181	211	150	15.3	3.0	0.0	55.2
DEN BESTEN	2904	181	188	173	13.9	3.0	0.0	57.4
PIONEER	34G81	181	222 *	140	14.2	4.0	0.0	57.2
GOLDEN HARVEST	H-2493	180	224 *	136	15.0	2.0	1.0	54.8
PIONEER	3568	178	191	165	13.7	1.0	0.0	57.7
COOP	7560	178	200	155	14.8	3.0	1.0	57.5
NOVARTIS	N4640Bt	177	192	162	13.1	0.0	0.0	58.3
MILLER PREF	MP-1072	177	204	149	15.1	2.0	1.0	58.0
PIONEER	3563	177	207	147	14.2	2.0	0.0	58.5
WILSON	E3034	177	206	148	13.9	2.0	0.0	54.9
KRUGER	K-9909Bt	176	184	167	14.7	1.0	0.0	56.3
DEKALB Genetics	DK540	174	184	163	13.9	4.0	1.0	58.0
GOLDEN HARVEST	Ex 8665Bt	173	196	150	13.7	0.0	0.0	56.7
DEN BESTEN	6750	173	211	135	14.2	3.0	1.0	56.1
TRIUMPH	8810	173	208	137	14.4	2.0	1.0	54.5
NOVARTIS	NX4616	172	191	152	12.9	0.0	1.0	57.9
PSA	7404	172	199	145	14.3	2.0	1.0	57.0
MILLER PREF	MP-1051	172	191	152	13.9	1.0	0.0	57.1
GOLDEN HARVEST	H-2478	171	182	159	14.4	3.0	0.0	54.5

Continued on page 2

North Central Irrigated Corn Hybrid Tests

Brown and Rock Counties - 1998 Page 2



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		Average bu/a	Brown bu/a	Rock bu/a				
GOLDEN HARVEST	H-2390Bt	171	182	159	14.6	1.0	0.0	57.4
NOVARTIS	Max88	170	186	154	14.4	1.0	0.0	60.1
CROW'S	X130	170	189	150	13.5	2.0	0.0	56.4
KRUGER	EX811B	170	199	141	14.7	2.0	0.0	55.5
ASGROW	RX530	169	199	138	13.2	3.0	0.0	56.4
NOVARTIS	N4640	169	187	150	13.0	2.0	0.0	56.7
KRUGER	EX811A	169	201	137	15.5	1.0	1.0	55.3
OTILIE	4888	168	205	131	15.0	2.0	0.0	58.5
GOLDEN HARVEST	Ex 8711Bt	166	175	157	12.8	0.0	0.0	56.6
KSC/CHALLENGER	K-9810	166	206	125	14.5	3.0	0.0	56.3
DEN BESTEN	2702	165	191	139	13.3	2.0	0.0	57.9
DEN BESTEN	5101	164	202	126	13.3	2.0	0.0	56.8
HOEGEMEYER	2618	164	198	130	15.4	2.0	1.0	56.7
CROW'S	363	163	208	117	14.3	2.0	1.0	54.3
DEKALB Genetics	DK525	163	200	125	12.9	2.0	1.0	57.1
CROW'S	200	161	194	128	13.4	2.0	0.0	55.7
MILLER PREF	MP-1063	161	191	130	14.8	2.0	0.0	56.7
ASGROW	RX587	157	194	120	13.4	2.0	0.0	58.1
CROW'S	X228	157	175	139	13.4	2.0	0.0	56.9
HOEGEMEYER	2591	156	183	129	13.3	1.0	0.0	57.7
OTILIE	4811	155	188	122	13.7	2.0	1.0	55.6
FONTANELLE	4193	155	189	121	14.9	2.0	0.0	56.9
GOLDEN HARVEST	Ex 8698Bt	154	172	135	13.7	0.0	1.0	56.2
ASGROW	RX601	153	201	105	13.9	4.0	0.0	56.4
HOEGEMEYER	2614	150	175	124	14.2	2.0	0.0	58.0
GOLDEN HARVEST	H-2390	150	179	120	13.7	2.0	0.0	56.2
LG SEEDS	LG 2483	148	189	107	13.9	1.0	1.0	55.5
WILSON	E6011	141	190	91	14.6	2.0	0.0	56.8
GOLDEN HARVEST	Ex 699	139	157	121	13.3	2.0	0.0	55.8
Average all entries		178	204	153	14.5	1.6	0.2	56.4
Dif Req for Sig								
	5%	29	16	43	0.9	1.8	NS	1.4
	25%	17	9	25	0.5	1.0	0.4	0.8

Entered by UN-L Agronomy Department

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

North Central Irrigated Corn Hybrid Tests 1995 - 1998



Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
2 Year Averages						
KRUGER	K-9614A	209	17.8	3	1	54.5
KAYSTAR	KX-777	208	16.5	4	1	55.5
OTILIE	5050	208	16.9	4	1	55.2
FONTANELLE	4997	201	15.9	5	2	59.2
MILLER PREF	MP-1072	199	15.9	2	1	58.7
ASGROW	RX670	199	16.7	3	1	55.5
CARGILL	6303	195	15.7	2	2	55.8
DEKALB Genetics	DK586	194	14.8	3	1	56.4
KSC/CHALLENGER	K-9910	193	16.2	4	0	56.9
PIONEER	3563	193	14.8	3	0	58.6
GOLDEN HARVEST	H-2493	192	16.2	5	2	54.7
COOP	7560	191	15.7	4	2	57.6
PIONEER	3568	185	14.5	4	1	57.8
MILLER PREF	MP-1063	184	16.0	3	1	56.8
PSA	7404	183	14.7	4	2	57.4
ASGROW	RX601	182	15.1	8	1	56.8
GOLDEN HARVEST	H-2478	178	15.1	6	1	54.6
FONTANELLE	4193	173	15.7	4	0	57.2
HOEGEMEYER	2591	173	13.8	2	1	58.0
GOLDEN HARVEST	H-2390	170	14.3	2	1	56.6
ASGROW	RX530	170	14.3	4	1	56.8
HOEGEMEYER	2614	162	14.9	4	1	58.5
Average all entries		188	15.5	4	1	56.8
Dif. Req. for Sig.	5%	8	0.4	NS	NS	0.4
	25%	4	0.2	1	NS	0.2
3 Year Averages						
CARGILL	6303	202	15.9	2	1	54.9
DEKALB Genetics	DK586	201	14.8	3	1	56.0
COOP	7560	196	15.7	3	1	57.0
PIONEER	3563	194	14.8	2	0	58.0
PIONEER	3568	190	14.4	3	0	57.1
COOP	7404	190	14.7	3	1	56.9
ASGROW	RX601	190	15.2	6	1	56.3
FONTANELLE	4193	185	15.7	3	0	57.0
GOLDEN HARVEST	H-2390	177	14.3	2	0	56.2
Average all entries		192	15.0	3	1	56.6
Dif. Req. for Sig.	5%	NS	0.2	1	NS	0.3
	25%	3	0.1	0	NS	0.2
4 Year Averages						
CARGILL	6303	186	16.4	2	1	54.3
FONTANELLE	4193	171	16.1	4	0	56.6
Average all entries		178	16.2	3	1	55.4
Dif. Req. for Sig.	5%	NS	NS	1	NS	0.6
	25%	3	NS	0	NS	0.3

West Table Irrigated Corn Hybrid Tests Box Butte and Cheyenne Counties - 1998



Brand	Hybrid	Yield			Grain moisture pct	Broken stalk pct	Bushel weight lb/bu	Plant height inches
		Average bu/a	Brown bu/a	Rock bu/a				
MYCOGEN	2395	163	182 **	143 **	16.6	7.0	58.0	97
CARGILL	2610	155	172 *	138 *	17.1	NA	57.2	102
DEKALB Genetics	DK431	154	172 *	136 *	15.7	6.0	56.7	97
CARGILL	2610	153	168 *	138 *	15.9	4.0	58.0	90
SEEDDEX	7013	153	172 *	133 *	19.2	16.0	53.6	105
CARGILL	2777	152	175 *	129 *	15.9	10.0	59.4	89
MILLER PREF	MP-0990	151	168 *	134 *	15.9	10.0	55.7	100
DEKALB Genetics	DK449	150	170 *	130 *	16.2	5.0	55.9	96
KAYSTAR	KX-575	149	163 *	134 *	15.5	17.0	56.1	104
MYCOGEN	2545	149	165 *	132 *	19.6	10.0	55.2	101
DEKALB Genetics	DK385B	149	173 *	124 *	15.8	5.0	57.9	101
GRAND VALLEY	GVX0946	148	164 *	131 *	18.0	5.0	55.7	102
DEKALB Genetics	DK405	144	149	139 *	15.3	4.0	56.4	99
GRAND VALLEY	GVX6742	141	150	131 *	15.6	3.0	55.5	103
SEEDDEX	7011	135	160	109	19.1	12.0	55.1	98
GRAND VALLEY	GVX4776	129	146	111	16.8	5.0	53.7	101
KAYSTAR	KX-625	128	147	109	20.9	12.0	53.2	98
GRAND VALLEY	SX1167	123	135	111	15.9	9.0	53.7	95
GRAND VALLEY	GVX4277	121	148	94	14.9	5.0	55.1	101
Average all entries		144	159	125	16.8	7.8	55.8	98
Dif Req for Sig	5%	16	20	22	2.5	9.7	1.7	6
	25%	9	12	13	1.5	5.7	1.0	3

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

West Valley Irrigated Corn Hybrid Tests Scotts Bluff and Torrington WY - 1998



Brand	Hybrid	Yield			Grain moisture pct	Bushel weight lb/bu	Plant height inches
		Average bu/a	Scotts bu/a	Torrington bu/a			
KAYSTAR	KX-675	227	238 **	215 *	19.5	55.2	97
MYCOGEN	2545	222	205	238 **	18.1	55.4	105
SEEDDEX	7014	216	231 *	200	19.6	55.0	94
PSA	7240	214	215 *	213 *	19.2	55.5	99
COOP	7404	213	218 *	208	19.6	54.3	101
GRAND VALLEY	GVX6742	211	208	214 *	16.6	56.7	96
MILLER PREF	MP-0991	211	225 *	197	19.3	54.8	97
GRAND VALLEY	GVX4776	210	194	225 *	18.0	55.4	104
MYCOGEN	2569	210	219 *	200	18.5	56.5	95
DEKALB Genetics	DK477	210	206	214 *	16.9	56.5	98
MILLER PREF	MP-1051	208	215 *	201	18.0	56.3	97
GRAND VALLEY	GVX4277	207	196	218 *	16.8	55.7	94
DEKALB Genetics	DK440	205	196	214 *	17.2	56.5	100
PSA	7411	204	210	198	19.3	54.7	100
GEERTSON SEED	GS-998	200	195	205	18.1	55.8	94
WILSON	1098	199	218 *	179	17.1	57.5	88
SEEDDEX	7012	199	190	207	19.2	55.0	97
FONTANELLE	3946	198	213 *	183	17.2	55.7	94
DEKALB Genetics	DK449	195	189	200	16.7	55.6	92
PSA	7242	195	199	191	18.3	56.4	96
MYCOGEN	2395	193	188	197	17.8	56.2	97
GRAND VALLEY	GVX0946	190	194	185	17.4	57.6	100
FONTANELLE	4567	189	202	175	18.9	55.9	97
KAYSTAR	KX-625	188	192	184	19.2	55.6	94
FONTANELLE	3997	183	207	159	17.1	57.3	82
Average all entries		203	205	200	18.1	55.9	56.5
Dif Req for Sig	5%	NS	25	27	NS	NS	1.2
	25%	NS	14	16	NS	NS	0.7

** denotes top yielding hybrid at each location

* denotes hybrids not significantly different than top yielding hybrid

West Table Irrigated Corn Hybrid Tests



1997 - 1998

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu	Plant height inches
2 Year Averages						
MYCOGEN	2395	152	16.3	8	57.2	90
DEKALB Genetics	DK449	147	17.1	5	54.7	92
DEKALB Genetics	DK385B	142	15.6	6	56.7	95
KAYSTAR	KX-575	138	16.1	12	54.6	99
GRAND VALLEY	SX1167	120	15.9	6	52.2	93
Average all entries		140	16.2	7	55.1	94
Dif. Req. for Sig.	5%	5	NS	NS	0.4	NS
	25%	3	NS	NS	0.2	1

West Valley Irrigated Corn Hybrid Tests

1997 - 1998

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							
PSA	7240	205	16.9	0	0	56.1	98
DEKALB Genetics	DK477	201	15.3	1	0	56.6	100
PSA	7242	194	16.7	1	0	56.6	97
Average all entries		200	16.3	1	0	56.4	98.0
Dif. Req. for Sig.	5%	NS	NS	NS	NS	NS	NS
	25%	NS	0.3	NS	NS	NS	NS

Perkins Co. Ecofallow Corn Hybrid Test - 1998



Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu	Plants per acre
KAYSTAR	KX790	122	11.8	2	0	59.0	16710
PFISTER	2295	120	11.7	5	0	59.6	16780
GARST	8560	115	11.5	10	0	58.8	15670
HOEGEMEYER	2591	114	10.3	4	0	61.0	14700
NOVARTIS	4640 BT	114	10.2	2	0	60.8	16620
MYCOGEN	2593	114	10.7	2	0	59.9	16780
AGRIPRO	AP9460	113	10.4	6	1	59.4	14880
PIONEER	35R57	112	10.3	2	0	61.1	15590
ASGROW	RX505 BT	110	11.2	2	0	60.0	15330
KAYSTAR	KX675	108	10.4	1	0	58.7	16670
DEKALB	DK493	107	9.9	4	0	60.8	15910
AGRIPRO	AP9489	104	11.3	6	0	60.9	14870
MYCOGEN	2722	102	12.2	7	0	59.5	15270
CARGILL	3911	97	10.4	3	0	61.2	14860
GOLDEN HARVEST	H2404	94	10.5	16	0	62.2	15110
MYCOGEN	2569	92	10.1	0	0	59.8	16530
FONTANELLE	4193	90	11.8	1	0	61.3	15000
Average all entries		108	10.9	4	0	60.2	15722
Dif Req for Sig 5%		20	1.1	7	NS	1.2	1225
25%		11	0.6	4	NS	0.7	703

Lincoln Co. Early Ecofallow Test - 1998

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu	Plants per acre
OTILIE	4888	129	10.8	62.2	15900
OTILIE	4888	129	10.8	62.2	15900
HOEGEMEYER	2591	117	9.4	62.0	16090
HOEGEMEYER	2591	117	9.4	62.0	16090
DEKALB Genetics	DK449	108	9.1	60.6	16450
DEKALB Genetics	DK405	90	9.0	60.1	16990
HOEGEMEYER	2551	89	9.0	60.2	16270
MYCOGEN	2395	88	9.3	62.4	14650
Average all entries		104	9.4	61.3	16058
Dif Req for Sig 5%		9	0.4	2.0	NS
25%		5	0.2	1.1	940



Cheyenne Co. Early Ecofallow Hybrid Test 1998

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu	Plant Height inches
OTILIE	4888	126	23.8	1	55.8	89
OTILIE	4888	126	23.8	1	55.8	89
HOEGEMEYER	2591	125	20.8	1	55.6	91
HOEGEMEYER	2591	125	20.8	1	55.6	91
HOEGEMEYER	2551	116	17.6	0	55.9	93
DEKALB Genetics	DK449	116	18.1	0	56.1	90
FARM ENTRY #1		114	17.6	1	55.6	93
MYCOGEN	2395	113	17.2	0	58.9	85
DEKALB Genetics	DK405	95	16.5	0	56.0	90
Average all entries		115	18.8	0	56.3	90
Dif Req for Sig 5%		8	1.0	NS	0.8	3
25%		5	0.6	NS	0.5	2

Central Nebraska White Corn Hybrid Tests - 1998

Clay and Dawson Counties

BRAND	HYBRID	Average yield bu/a	Clay Co yield bu/a	Dawson Co yield bu/a	Grain moisture pct	Broken stalks pct	Dropped ears pct	Bushel weight lb/bu
Pioneer Brand	X1127FW	221	191	250	21.6	13	1.0	61.0
Wilson	1790W	212	185	239	22.4	7	1.0	58.2
Pioneer Brand	34P93	209	193	225	18.8	8	1.0	62.5
Wilson	E8051	207	163	250	25.0	4	1.0	56.9
Novartis	N71-T7	205	186	224	21.4	10	0.0	60.2
AgriGold	A6530W	205	182	227	20.9	21	1.0	61.1
Yellow check	B73 x Mo17	204	174	234	20.7	17	3.0	58.3
Whisnand	50AW	201	169	232	21.0	16	4.0	62.9
Vineyard	Vx4337	201	183	218	21.5	7	0.0	60.7
Pioneer Brand	3287	200	NA	200	16.5	1	0.0	60.3
Yellow check	Pion 3394	200	180	219	19.4	8	1.0	62.0
Vineyard	V424W	197	162	231	22.1	7	1.0	58.5
IFSI	95-2	196	164	227	20.8	18	4.0	61.5
Diener	DB114	194	171	217	22.6	9	1.0	58.9
NC+	5633W	194	175	212	20.8	18	3.0	60.3
Pioneer Brand	X1127DW	194	171	217	20.1	4	1.0	62.1
Asgrow	XP8118W	193	155	230	21.6	15	1.0	62.1
Garst	8490W	190	178	202	20.7	15	3.0	60.5
Pioneer Brand	32H39	186	169	203	21.8	5	1.0	61.1
IFSI	90-1	185	153	217	21.0	12	4.0	61.2
Yellow check	NK 7639bt	184	184	NA	25.8	1	1.0	NA
Wilson	1780W	184	165	203	23.9	14	5.0	55.2
LG Seeds	LG X59-445W	183	NA	183	15.4	17	1.0	59.4
Yellow check	NC+ 4880	183	183	NA	25.9	9	0.0	NA
LG Seeds	LG2596W	183	165	201	21.1	3	0.0	60.5
IFSI	98-2	183	148	217	22.5	8	2.0	61.6
Asgrow	RX776W	182	153	210	21.5	3	0.0	59.3
LG Seeds	NB749W	177	151	203	21.8	18	3.0	59.6
AgriGold	A6680W	177	152	202	22.3	16	3.0	58.9
Vineyard	V438W	174	151	197	22.2	7	2.0	58.9
DEKALB	EXP868W	171	138	204	19.5	9	1.0	60.3
Whisnand	51AW	163	147	178	21.1	21	3.0	60.8
LG Seeds	LG2558W	161	143	179	20.6	5	1.0	59.8
Asgrow	XP308W	160	138	182	19.4	7	0.0	59.6
Pioneer Brand	3463W	159	149	169	19.6	5	0.0	61.5
Garst	8419W	158	139	177	21.9	14	1.0	61.5
DEKALB	DK665W	155	141	169	21.5	10	0.0	60.7
NC+	RE372W	142	138	146	19.1	6	1.0	61.9
Garst	8527W	136	124	147	19.2	3	0.0	60.3
Average all entries		184	163	207	21.2	10	1.3	60.3
Dif Req for Sig 5%		21	20	30	1.4	7	2.7	1.7
25%		12	12	17	0.8	4	1.6	1.0

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BRAND	HYBRID	Grain yield bu/a	Grain moisture pct	Broken stalks pct	Dropped ears pct	Bushel weight lb/bu
2 year average						
Yellow check	Pion 3394	187.8	18.4	15	3	60.7
Pioneer Brand	32H39	179.8	20.4	14	3	60.4
IFSI	95-2	177.8	20.0	28	5	60.0
Wilson	1790W	173.8	21.5	15	3	58.7
Whisnand	50AW	173.8	19.7	31	5	61.1
Diener	DB114	171.8	22.1	22	3	57.8
Wilson	1780W	168.8	23.1	19	6	55.6
Yellow check	B73 x Mo17	166.8	19.5	26	6	57.7
Vineyard	V424W	165.0	21.4	19	3	58.3
Garst	8490W	163.3	19.6	25	5	59.3
Asgrow	RX776W	161.0	20.3	19	2	59.4
IFSI	90-1	159.5	20.3	23	6	60.3
Vineyard	V438W	157.3	20.8	16	2	58.9
NC+	5633W	156.0	19.6	36	4	59.6
LG Seeds	NB749W	155.8	20.8	34	4	58.6
Whisnand	51AW	154.0	20.3	33	5	60.4
Pioneer Brand	3463W	149.0	18.1	20	2	60.9
Garst	8527W	131.0	17.4	19	2	60.5
Average all entries		164.0	20.2	23	4	59.3
Dif Req for Sig 5%		9.5	0.3	4	1	1.0
25%		5.4	0.2	2	0	0.6
3 year average						
Yellow check	Pion 3394	182.7	17.4	13	3	59.4
IFSI	95-2	171.8	18.7	21	5	59.3
Wilson	1790W	171.3	21.2	11	3	56.6
Wilson	1780W	169.7	22.4	14	4	54.5
Whisnand	50AW	168.8	18.5	24	6	60.3
Yellow check	B73 x Mo17	161.0	18.5	20	6	56.4
Vineyard	V424W	160.3	20.4	14	3	57.3
IFSI	90-1	157.8	19.1	20	5	59.5
Whisnand	51AW	151.0	19.1	25	6	59.9
Vineyard	V438W	150.7	19.6	13	3	58.2
LG Seeds	NB749W	150.3	19.9	26	4	57.9
NC+	5633W	148.8	19.0	29	5	58.2
Pioneer Brand	3463W	146.8	17.2	15	2	59.3
Average all entries		160.9	19.3	19	4	58.2
Dif Req for Sig 5%		6.8	0.3	3	1	0.9
25%		3.9	0.2	2	0	0.5

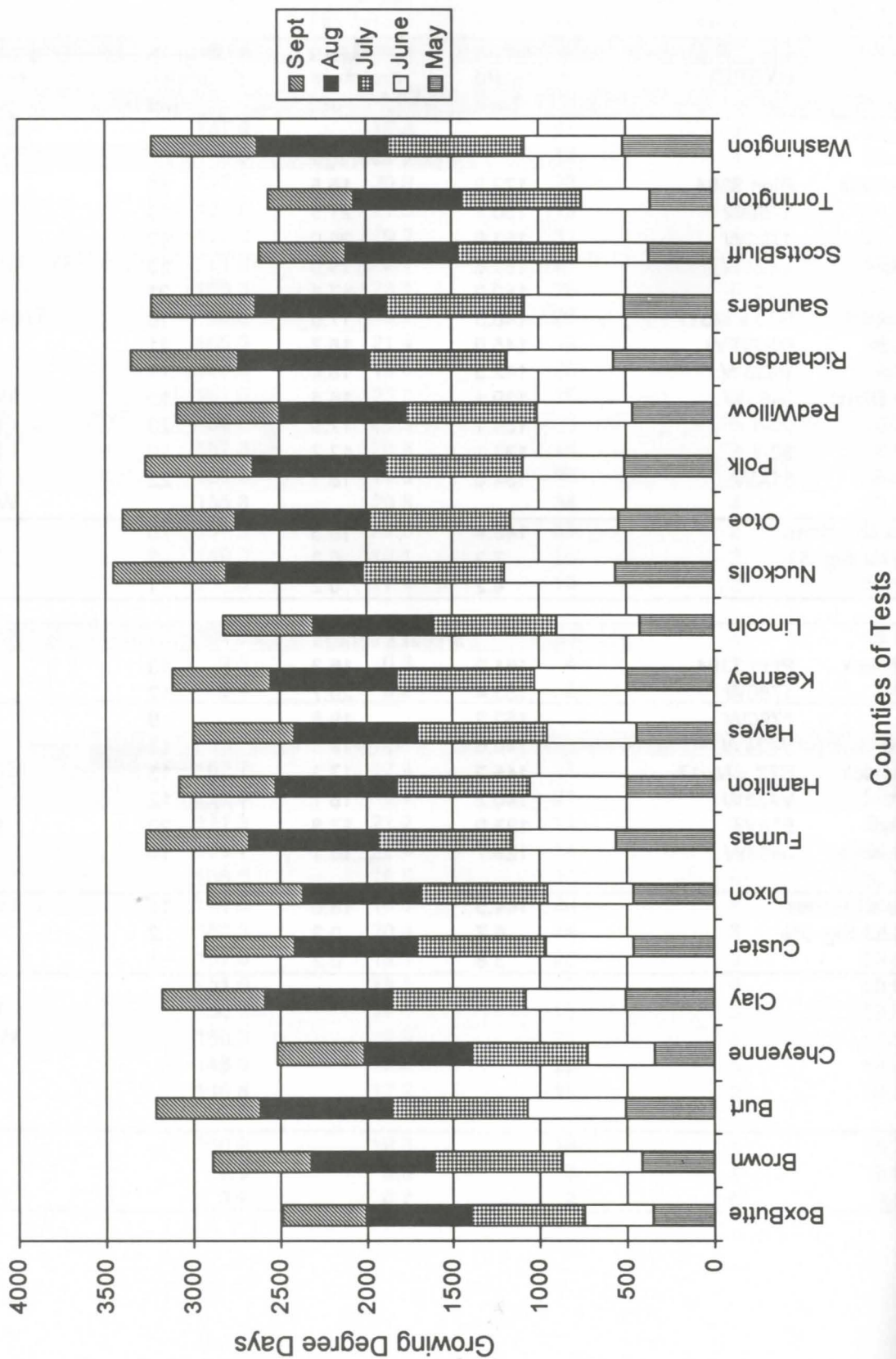
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Central Nebraska White Corn Tests - 1994 - 1998

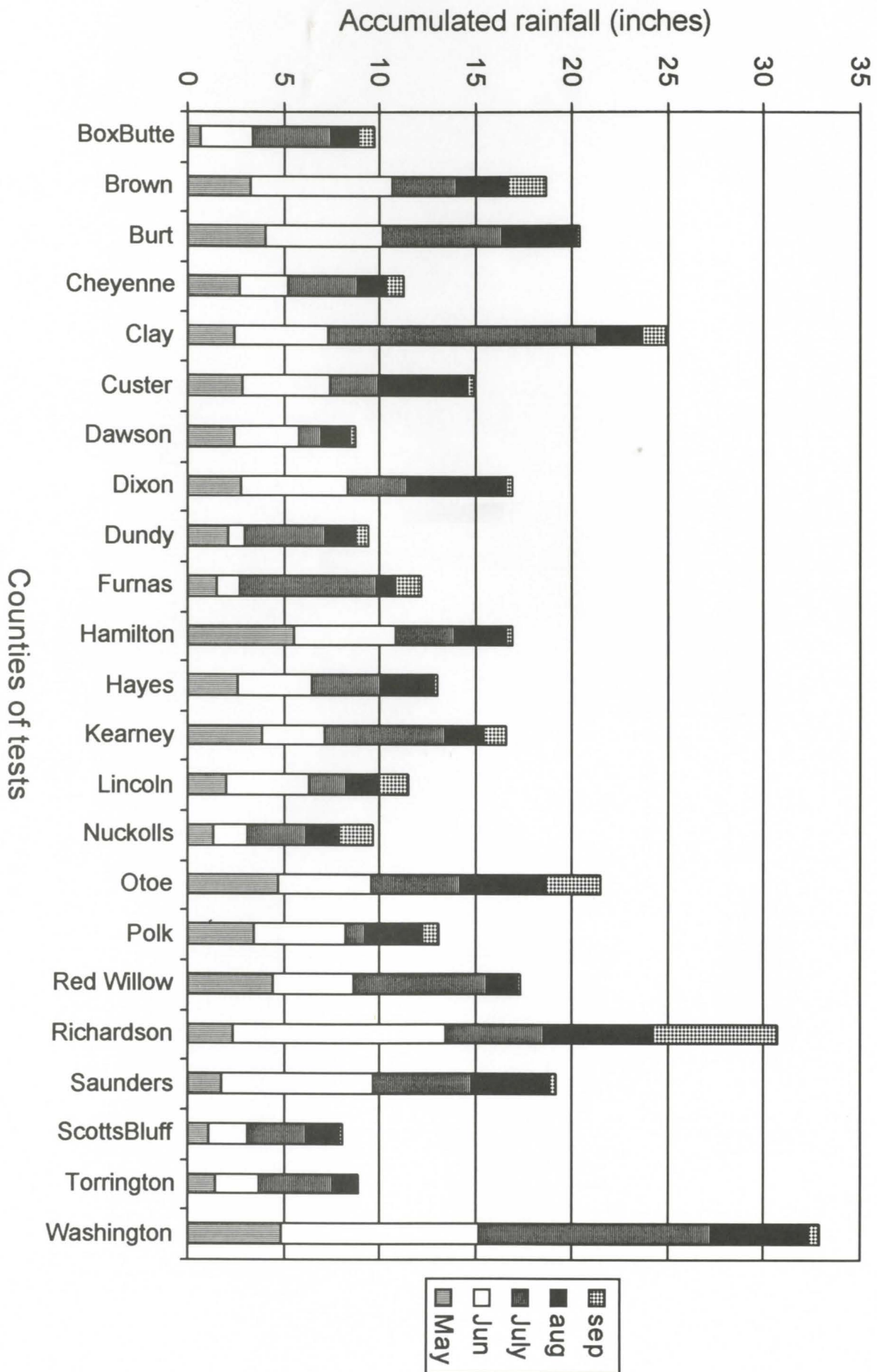
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BRAND	HYBRID	Grain yield bu/a	Grain moisture pct	Broken stalks pct	Dropped ears pct	Bushel weight lb/bu
4 year average						
Yellow check	Pion 3394	172.3	16.5	12	3	59.4
Wilson	1780W	156.8	21.3	13	6	54.5
Wilson	1790W	153.0	20.0	12	7	56.6
Vineyard	V424W	151.8	19.0	13	3	57.3
IFSI	95-2	150.9	17.8	21	9	59.3
Yellow check	B73 x Mo17	148.5	17.6	18	9	56.4
LG Seeds	NB749W	145.0	18.7	21	4	57.9
Vineyard	V438W	142.5	18.4	11	3	58.2
Pioneer Brand	3463W	139.1	16.4	12	2	59.3
IFSI	90-1	138.1	17.9	20	11	59.5
IFSI	90-1	137.1	17.7	19	11	59.5
Whisnand	51AW	134.0	18.1	22	11	59.9
Average all entries		148.4	18.3	16	6	58.0
Dif Req for Sig 5%		7.3	0.3	3	2	0.8
25%		4.2	0.2	1	1	0.4
5 year average						
Yellow check	Pion 3394	161.2	16.3	13	3	59.4
Wilson	1780W	153.4	20.7	12	6	54.5
Wilson	1790W	152.2	19.5	9	7	56.6
Vineyard	V424W	148.6	18.5	13	3	57.3
Yellow check	B73 x Mo17	145.2	17.3	15	9	56.4
Vineyard	V438W	140.2	18.1	12	3	58.2
Whisnand	51AW	133.0	17.8	20	11	59.9
Pioneer Brand	3463W	129.7	16.1	14	2	59.3
Average all entries		144.5	18.0	14	6	57.9
Dif Req for Sig 5%		6.7	0.3	2	3	0.7
25%		3.8	0.2	1	2	0.4

Cumulative Growing Degree Days for five summer months



Accumulated Precipitation in inches





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