

1992

EC92-105-A Nebraska Corn Hybrid Tests 1992

Lenis Alton Nelson

University of Nebraska-Lincoln, lnelson1@unl.edu

Russell S. Moomaw

Roger Wesley Elmore

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

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NEBRASKA CORN HYBRID TESTS

1992

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EXTENSION CIRCULAR 92-105
NEBRASKA CORN HYBRID TESTS

JANUARY 1993

AUTHORS

Lenis A. Nelson
Russell S. Moomaw
Roger W. Elmore
Paul T. Nordquist
Robert N. Klein
David D. Baltensperger

Department of Agronomy, Lincoln
Northeast Research and Extension Center, Concord
South Central Research and Extension Center, Clay Center
West Central Research and Extension Center, North Platte
West Central Research and Extension Center, North Platte
Panhandle Research and Extension Center, Scottsbluff

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Acknowledgment is made to Extension Agents and others who assisted in these trials. Special credit is due to farmers who furnished test sites. Yield and other statistical calculations were performed by the Biometrics and Information Systems Center.

We also want to acknowledge the efforts made by our research technicians and technologists. John A. Eis, Tom O'Hare, Pat Tenopir, Glen Frickel, George Hoffmeister, Don Thraillkill, Bobby Skates, Ray Brentlinger, Jerry Echtenkamp 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.

Our thanks go to Russell Moomaw who has given many years to variety testing. He retired in June.

METRIC EQUIVALENTS

1 centimeter = 0.394 inches
1 hectare = 2.471 acres
1 kilogram = 2.205 pounds
1 hectoliter = 2.838 bushels

cm = inches x 2.54
ha = acres x 0.405
kg = pounds x 0.454
hl = bushels x 0.352

Kilogram/hectoliter = lb/bux 1.287
Kilograms/hectare = bu/Ax 62.78 (56# bu)

EXTENSION CIRCULAR 92-105

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NEBRASKA CORN HYBRID TESTS

1992

The 1992 season was different than the 1991 due to cooler temperatures throughout the growing season and higher amounts of rain fall during growing period. High percent moisture of grain at harvest time, wet fields and delayed maturity prolonged harvest. Total corn

production as of November was forecast at a record 1.10 billion bushels at 132 bu/a. Irrigated corn was below last years yields. Dryland corn production is at a record high of 107.5 bu/a reported as followed (bu/a):

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
State	97.0	115.0	126.0	133.0	130.0	124.0	120.0	130.0	127.0	132.0
Irrigated	116.0	133.0	140.0	144.0	147.0	146.0	142.0	148.0	150.5	144.0
Nonirrigated	58.4	77.4	97.7	100.4	91.5	73.4	67.6	89.6	77.2	107.5

Total acreage for harvest was 7,900,000 of which 5,300,000 was irrigated. Nonirrigated acreage was 2,600,000.

On May 3, corn planting made excellent progress over most of the state with 38% planted. This was ahead of last year and the 5-year average. By May 10, 81% of intended acreage was planted which was well ahead of last year and the 5-year average. Emergence was slow on earlier dryland planting and hindered by "crusting." By July 12 corn condition was rated at 2% very poor, 1% poor, 19% fair, 69% good, and 9% excellent. Corn borer infestations were observed with treatment underway. Corn was about 9 days behind normal with 4% silking. By Oct. 18, harvesting was slowed by wet field conditions and waiting for a hard freeze to help crop dry down in field. Harvest was 16% complete and nearly three weeks behind the five-year average. Some lodging, stalk breakage and ear droppage occurred in the East and Northeast from high winds. By Nov. 29, high grain moisture, wet field conditions still prevailed with 74% of harvest complete. Harvest was about five weeks behind normal.

Twenty-eight corn performance tests were planted in 1992. Test locations are shown on the map (page 10). Cooperators and dates of planting and harvesting are included in Table A.

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

seed producers. Entries are limited to four hybrids at each location in the eastern half and six hybrids in the western half. At the South Central locations, six widely grown hybrids were entered by the Agronomy Department.

Table B 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 a specific number of seed planted for all hybrids. The plant population represents the average harvested plant density. Performance of hybrids common to each area over a five-year period is shown in Table C. Graphs showing the deviation from 30 year averages for temperature is on page 58 and rainfall on page 59. The authors acknowledge the State Climate Program at the University of Nebraska-Lincoln for providing climate data and information used in this study. The names of the entrants and their addresses are listed in Table D.

Grain yields are expressed on a 15.5 % moisture basis. Yields shown are averages of four or more replicated plots at each location. Plots were machine harvested and grain moisture determinations were made on each plot with an electronic moisture meter.

Variations in soil fertility, moisture conditions and other factors are found in each test area. This makes it impossible to measure

Table A. Locations, cooperators, soil types and planting and harvest dates. 1992.

<u>Location</u>	<u>Cooperator</u>	<u>Soil Type</u>	<u>Planted</u>	<u>Harvested</u>
<u>Southeast Nonirrigated</u>				
Nemaha	Daniel Gerdes, Johnson	Nodaway	May 8	Oct.16,17
Cuming	Leon Steffen, West Point	Belfore silty clay loam	Apr 30	Oct.22
<u>Southeast Irrigated</u>				
Polk	Cal Coffin, Osceola	Hastings loam	May 6	Nov.12,13
York	Jerry Stahr, York	Hastings silt loam	May 1	Oct.19
<u>South Central Irrigated</u>				
Clay	South Central Res. & Ext. Center	Hastings silt loam	Apr,27	Oct.27
<u>Northeast</u>				
Dixon Dryland	North East Res. & Ext. Center	Alcester silt loam	May 20	Nov. 16
Antelope Irrigated	Jim Mullins, Plainview	Thurman sandy loam	Apr. 28	Oct. 22
<u>Central Irrigated</u>				
Custer	Cliff Whitney, Rt.1, Broken Bow	Hord silt loam	Apr. 25	Oct.27
Dawson	Worrell Farms, R.R.2, Cozad	Cozad silt loam	Apr. 30	Nov. 4
<u>West Central Irrigated</u>				
Lincoln	West Central Res. & Ext. Center	Cozad silt loam	Apr. 27	Oct.22,23
Dundy	Bob Ellis, 708 9th Av W, Benkelman	Valentine loamy fine sand	Apr. 27	Nov. 5
<u>West Central Ecofallow</u>				
Lincoln	West Central Res. & Ext. Center	Hall silt loam	May 14	Nov. 11
Custer	Charles Foran, Arnold	Holdrege silty clay loam	Apr. 8	Oct.27
Perkins	Tom Kraus, Madrid	Keith silt loam	May 4	Nov.30
<u>North Central Irrigated</u>				
Brown (gravity)	Steve Begot, R.R.2, Ainsworth	Holdrege loam	May 1	Oct.23
Brown (c. pivot)	Marty Graff, Ainsworth	Sandose loamy fine sand	May 1	Oct.23
<u>Southwest Irrigated</u>				
Furnas	Bob Anderson, 1221 9th, Arapahoe	Hord silt loam	Apr. 21	Oct.16
Red Willow	Claude Cappel, R.R.3, McCook	Bridgeport silt loam	Apr. 23	Oct.19
<u>Southwest Ecofallow</u>				
Hayes	Dennis Riener, Rt.1, Palisade	Kyma silt loam	June 13	Oct. 5
Red Willow	Ken Winters, Indianola	Holdrege & Keith silt loam	May 7	Oct.19
<u>West Irrigated</u>				
Box Butte	Jim Irwin, Alliance	McCook loam	May 5	Nov. 6
Cheyenne	High Plains Agricultural Lab	Keith silt loam	May 4	Oct.25
<u>West Irrigated</u>				
Scotts Bluff	Panhandle Res. & Ext. Center	Tripp very fine sandy loam	May 6	Oct.27
Morrill	Dell Gooder, Lisco	Dailey loamy fine sand	May 1	Oct.23
<u>West Early Ecofallow</u>				
Lincoln	West Central Res. & Ext. Center	Hall silt loam	May 14	Nov.11
Cheyenne	High Plains Agricultural Lab	Duroc loam	May 4	Oct.25

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 Corrln
Southeast Non-Irrigated									
Nemaha	30	11.7	17910	9.2	178	23.2	1.6	0.1	.11NS
Cuming	30	12.6	16598	8.9	174	24.1	0.8	0.1	.16NS
Southeast Irrigated									
York	30	9.7	21499	10.6	179	21.4	5.7	0.0	.10NS
Polk	30	8.0	26156	9.8	185	24.1	18.3	0.4	-.33**
South Central Irrigated									
Clay	30	8.7	23982	6.2	178	18.9	12.0	0.7	.03NS
Northeast									
Dixon Dryland	30	13.6	15411	9.4	123	25.2	2.4	0.1	-.11NS
Antelope Irrigated	30	10.2	20460	9.4	186	15.5	3.1	0.1	--
Central Irrigated									
Custer	30	7.1	29546	8.9	190	23.4	0.3	0.0	-.10NS
Dawson	36	6.8	25701	7.9	198	21.9	1.2	--	.29*
West Central Irrigated									
Lincoln	30	8.8	23892	--	211	22.3	2.0	0.0	.42**
Dundy	30	12.3	20124	10.4	138	24.0	0.0	--	.22NS
West Central Ecofallow									
Lincoln	30	14.9	14017	7.1	121	27.3	1.4	0.1	-.72*
Custer	30	19.4	10801	21.9	93	28.4	--	--	-.66*
Perkins	30	17.1	12199	10.8	100	20.7	--	--	-.62*
North Central Irrigated									
Brown (gravity)	30	7.5	27958	7.2	164	19.6	1.3	--	.03NS
Brown (c.Pivot)	30	8.0	26165	8.2	151	20.3	1.1	--	.16NS
Southwest Irrigated									
Furnas	30	7.4	28375	9.7	210	21.3	1.2	0.1	.14NS
Red Willow	36	5.9	29614	7.0	233	23.1	0.3	0.0	.03NS
Southwest Ecofallow									
Hayes	30	14.7	14203	12.3	44	37.3	0.3	--	-.65**
Red Willow	30	14.9	14003	7.6	141	22.0	0.2	0.2	.14NS
West Irrigated									
Box Butte	30	--	--	31.8	47	45.0	--	--	-.47*
Cheyenne	30	6.7	31289	9.6	163	18.8	1.3	--	-.26NS
West Irrigated									
Scotts Bluff	30	6.5	32250	5.3	203	22.5	--	--	-.74**
Morrill	30	--	--	8.8	157	15.6	--	--	.20NS
West Early Ecofallow									
Lincoln	30	14.9	14020	9.0	117	20.7	2.1	0.5	.20NS
Cheyenne	30	20.6	10139	15.6	57	22.6	3.2	--	-.07NS

¹ Machine harvest.

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

Table C. Corn performance. Average for entries over years within areas. Five years. 1988 – 1992.

Test	Year	Yield bu/a	Moisture %	Broken %	Dropped %	Bushel weight
Southeast Dryland (4 hybrids)	1988	105.0	14.3	6.5	0.5	56.9
	1989	102.0	17.8	22.8	0.5	56.4
	1990	157.0	18.6	2.0	0.5	56.5
	1991	113.0	16.7	3.5	0.5	57.4
	1992	185.0	23.3	2.8	0.5	54.6
Southeast Irrigated (3 hybrids)	1988	94.0	15.7	2.7	0.3	58.3
	1989	67.0	22.9	8.0	1.3	54.0
	1990	157.0	17.6	4.0	1.0	56.6
	1991	219.0	16.2	1.7	0.7	59.5
	1992	184.0	22.5	7.0	0.3	54.4
South Central Irrigated (7 hybrids)	1988	183.0	15.6	---	---	---
	1989	177.0	17.3	---	---	---
	1990	158.0	18.4	4.1	1.4	---
	1991	196.0	20.2	2.7	0.1	---
	1992	168.0	18.5	21.1	0.6	---
Northeast Dryland (3 hybrids)	1988	77.0	17.0	1.0	0.0	---
	1989	64.0	22.7	3.0	0.0	---
	1990	82.0	14.0	0.7	1.0	---
	1991	89.0	---	0.0	0.0	---
	1992	124.0	25.7	8.3	0.0	---
Northeast Irrigated (4 hybrids)	1988	196.0	17.6	1.3	0.5	---
	1989	174.0	17.1	3.0	0.8	---
	1990	173.0	19.7	0.3	9.3	---
	1991	174.0	---	3.5	1.3	---
	1992	184.0	15.5	8.3	0.0	---
West Central Ecofallow (3 hybrids)	1988	113.0	15.5	0.3	0.0	---
	1989	69.0	13.8	12.7	1.7	55.8
	1990	52.0	16.7	1.5	6.3	52.5
	1991	83.0	14.8	0.0	0.7	52.8
	1992	102.0	26.8	1.2	0.0	51.8
West Central Irrigated (2 hybrids)	1988	173.0	20.6	6.0	0.0	---
	1989	153.0	13.3	7.0	0.0	53.6
	1990	162.0	16.0	13.0	2.5	54.4
	1991	195.0	14.0	3.0	1.5	59.0
	1992	187.0	23.0	2.5	0.0	---
West Irrigated (1 hybrid)	1988	191.0	21.6	---	---	57.3
	1989	130.0	13.0	2.0	---	53.5
	1990	149.0	17.1	6.0	---	55.0
	1991	196.0	16.2	---	---	59.4
	1992	168.0	19.0	---	---	54.6

Table D. Entrants. Nebraska Corn Performance Tests. 1992.

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Brand	Entrant	Address
-----	Agricultural Research Div., UNL	Lincoln, NE 68583
AgriGene Seed Research	AgriGene Seed Research	R.R.2, Box 3A, Ames, Iowa 50010
Asgrow	Asgrow Seed Company	PO Box 460, Parkersburg, IA.50665
Bo-Jac	Bo-Jac Hybrid Corn Co.	RR.2 Mt. Pulaski, IL 62548
Cargill	Cargill Hybrid Seeds	PO Box 5645, Minneapolis, MN 55440
CIBA	CIBA-GEIGY Seed Division	PO Box 18300, Greensboro, NC 27419
COOP	COOP Seed, Inc.	R.R. 2, Alta, IA 51002
Crow's	Crow's Hybrid Corn Co.	P.O. Box 306, Milford, IL 60953
Curry	Curry Seed Company	701 N. Walnut, Elk Point, SD 57025
Custom Farm Seed	Custom Farm Seed	P.O. Box 160, Momence, IL 60954
Dahlgren	Dahlgren & Company, Inc.	P.O. Box 609, Crookston, MN 56716
DEKALB Plant Genetics	DEKALB Plant Genetics	3100 Sycamore Rd, DeKalb, IL 60115
EK Premium Seed, Inc	EK Premium Seed, Inc.	R.R.1, Box 248, Berwick, IL 61417
Federal Hybrids	Federal Hybrids	Marion, IA
Fontanelle	Fontanelle Hybrids	Rt. 1, Nickerson, NE 68044
Garrison & Townsend	Garrison Townsend, Inc.	PO Drawer 2420, Hereford, TX 79045
Germain's	Germain's	P.O. Box 12447, Fresno, CA 93777
Golden Harvest	The J.C. Robinson Seed Co.	100 J.C. Robinson Blvd. Waterloo, Nebr. 68069
Grower's Brand	GroAgri Seed Co.	6201 SE Loop 289 Lubbock, TX 79404
Hawkeye Hybrids, Inc.	Hawkeye Hybrids, Inc.	RR 3, Box 416, Pella, IA 50219
Hoegmeyer	Hoegmeyer Hybrids	Rt. 2, Hooper, NE 68031
Horizon	Horizon Seeds, Inc.	4800 Bair Ave. P.O. Box 83002, Lincoln, Nebr. 68501
HyPerformer	HyPerformer Seed Company	6075 Poplar Ave. # 500, Memphis, TN 38119
ICI Seeds	ICI Seeds	10476 W. Husker Hwy, Wood River, Nebr. 68883
Jacobsen	Jacobsen Hybrid Corn Co., Inc.	129 9th St. Box 398, Lake View, Iowa 51450
Jacques	Jacques Seed Company	720 St. Croix Steet, Prescott, WI 54021
Kaltenberg	Kaltenberg Seed Farms, Inc.	5506 Hwy 19, PO Box 278, Waunakee, WI 53597
Keltgen	Keltgen Seed	Box 209, Olirra, MN 56277
Kruger Seed Company	Kruger Seed Company	Box A, Hwy 20 East, Dike, IA 50624
L.Herried Seeds	L.Herried Seeds	925 Dexter St., Box 216, Prescott, WI 54021-0216

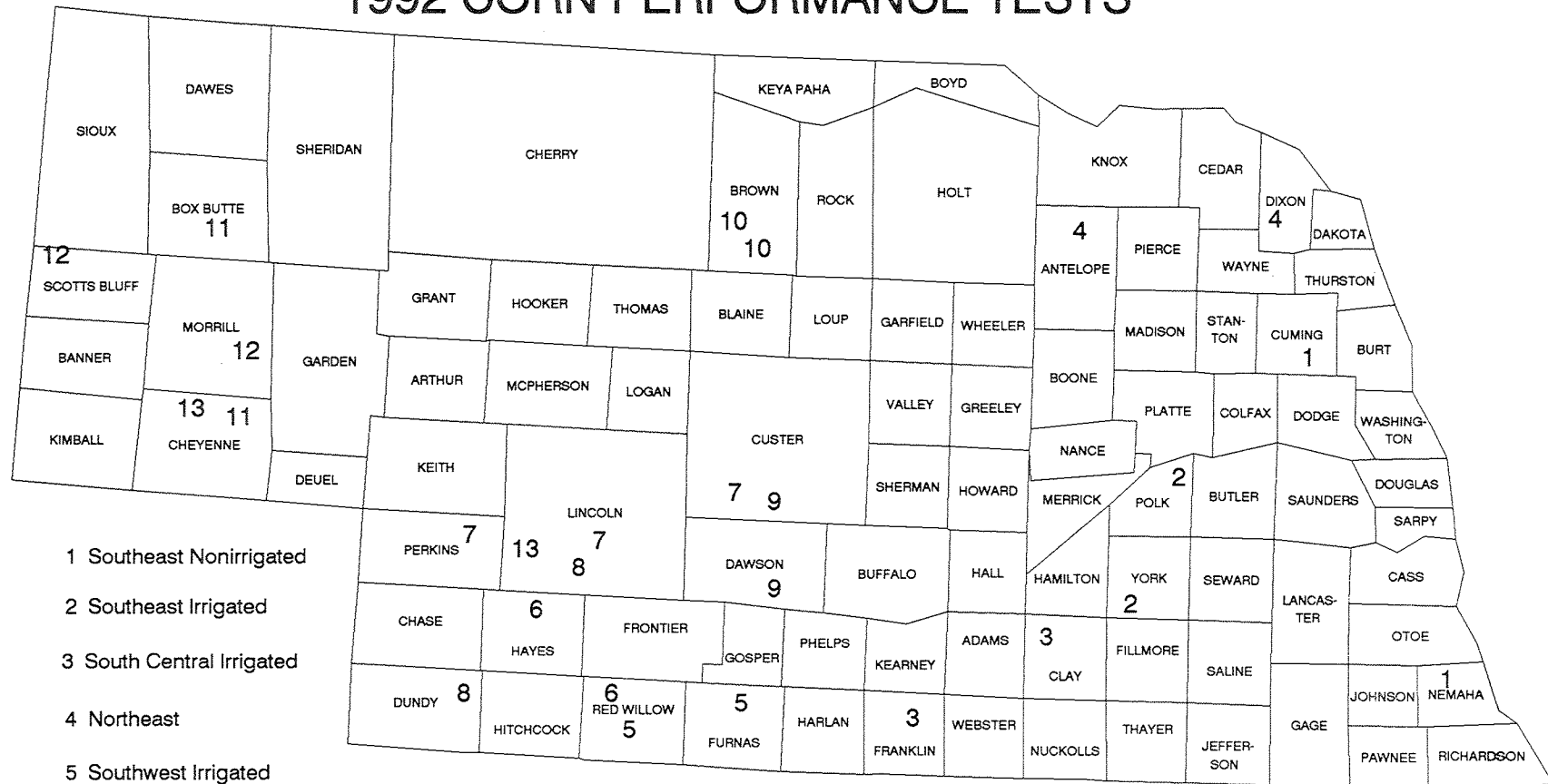
Table D. Entrants. Nebraska Corn Performance Tests. 1992.
Page 2.

Brand	Entrant	Address
Legend	Legend Seeds, Inc.	Box 241, Desmet, SD 57231
Lewis	Lewis Hybrids, Inc.	P.O. Box 38, Ursa, IL 62376
M/W Genetics	Midwest Seed Genetics	P.O. Box 518, Carroll, IA 51401
McCurdy Seed Company	McCurdy Seed Company	522 East Main St., Fremont, IA 52561
NC+ Hybrids	NC+ Hybrids	Box 4408, Lincoln, NE 68504
Noble Bear	Noble Bear, Inc.	Box 529, Gibson City, IL 60936
Northrup King	Northrup King Company	Box 959, Minneapolis, MN 55440
Ohlde Seed Farms	Ohlde Seed Farms	Box 63, Palmer, KS 66962
ORO Hybrids	ORO Hybrids/R.C. Young Seed Co.	624 27th St., Lubbock, TX 79404
Ottillie	Ottillie Seed Farms	1462 Sandford, Marshalltown, Iowa 50158
Payco	Intestate/Payco	P.O. Box 338, West Fargo, ND 58078
Pioneer	Pioneer Hi-Bred International, Inc	Box 5307, Lincoln, NE 68505
Prairie Stream Hybrids	Prairie Stream Farms, Inc.	R 3, Box 333, Frankfort, IND 46041
Renze	Renze Hybrids, Inc.	Rt. 3, Box 235, Carroll, IA 51401
Sands Of Iowa	Sands Of Iowa	Box 648, Marcus, IA 51035
Sexauer	Sexauer Company	P.O.Box 448, Norfolk, Nebr. 68702
Sigco	Sigco Research	Box 289, Breckenridge, MN 56520
Stine	Stine Seeds, Inc.	2225 Laredo Trail, Adel, IA 50003
Superior	Superior Hybrids Co.	Box 595, East Hwy. 30, North Bend, Nebr. 68649
Taylor-Evans	Taylor-Evans Seed Company	P. O. Box 68, Tulia, Texas 79088
Terra	Terra International, Inc.	600 Fourth St., Sioux City, IA 51101
Triumph	Triumph Seed Co.	P.O.Box 1050, Ralls, TX 79357
Wilson	Wilson Seeds, Inc.	P.O.Box 391, Harlan, Iowa 51537

NEBRASKA CORN TEST LOCATIONS

1992 CORN PERFORMANCE TESTS

10



- 1 Southeast Nonirrigated
- 2 Southeast Irrigated
- 3 South Central Irrigated
- 4 Northeast
- 5 Southwest Irrigated
- 6 Southwest Ecofallow
- 7 West Central Ecofallow
- 8 West Central Irrigated
- 9 Central Irrigated
- 10 North Central Irrigated

- 11. West Pivot Irrigated
- 12 West Furrow Irrigated
- 13 Short Season Ecofallow

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 insects and disease also are factors which must be considered in selecting hybrids.

Results

Data tables for each zone are shown in sections. The 1992 zone performance is listed and followed by two, three, four and five year averages where available.

Relative hybrid performance often varies with locations within zones. Number of experiments conducted at each location in following zones were: Southeast dryland-2, Southeast irrigated-2, South Central-2, Northeast-2, Central-2, Southwest Central-1, West Central-5, North Central-2, Southwest-5, West Early Irrigated - 2, West Long Irrigated - 2, and Early Ecofollow - 2.

The correlation or r value for the relationship between grain moisture and yield is shown in Table B. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs.

Growing conditions in Nebraska vary greatly from year to year. In 1991, areas of Nebraska were under very wet conditions and turned dry and hot causing low yields in dry land corn. Irrigated fields were generally very productive. During the 1992 growing season very cool, overcast, wet conditions prevailed causing slow germination. High wind, hail damage, high rain fall amounts, and frost in certain areas necessitated replanting. Corn development was behind normal throughout the season. Harvesting with high moisture occurred which delayed getting crop out of field. Fields under irrigation were generally very productive. The effect of

season on performance in each zone is shown in Table C.

Southeast Dryland

Two trials (no-till) were harvested with 75 hybrids (pages 16-17). The Nemaha county trial stayed dry at germination time causing plot variations in plant populations. Rain fall was adequate after plants came up. Very cool, wet growing season, lacking warm days, delayed maturity of corn. Very good yields occurred. The Cuming County test had very good moisture throughout the growing season. Yields were very good. Period-of-years data are shown on pages 18-19.

Southeast Irrigated

Two trials were planted in this area with 95 hybrids each (pages 20-21). No irrigations were needed on either test due to adequate moisture during growing season. The York county plot had some early stalk breakage due to fast growth, high winds and heavy rain. The Polk county test had some lodging due to strong straight winds from strong thunder storms. Very good yields occurred with delayed harvest and high moisture. Period-of-years data are shown on pages 22-23.

South Central Irrigated

Test plots were located in Clay and

Franklin counties. Ninety-two hybrids were planted at each location (pages 24-25). The Clay county trial had an over-all average of 178 bu/a. A hail storm on 4 August resulted in 10% defoliation. Barren plants were common in some hybrids. At the Franklin county site, dry soils resulted in uneven emergence and a 7 July hail storm resulted in minor defoliation and some stalk bruising. Although Franklin county plots averaged 180 bu/a, the data were not included in this report because of extreme variability in grain yield and moisture content due to emergence and undefined environmental problems. Period-of-years data are shown on pages 26-28.

Northeast

Sixty one hybrids were included in a dryland test in Dixon County (pages 30-31) and in Antelope County, eighty-five hybrids were included in an irrigated plot (pages 34-35). The irrigated test had intense rainfall of 5 inches with hail about May 18. Stand reduction occurred from silting. Frost on May 26 and 27 caused some plant mortality. Average 2-, 3-, 4-, and 5-year yields are shown on pages 32-33 and 36-37.

West Central Irrigated

Yield and other data from 51 hybrids tested in Lincoln and Dundy counties are shown on pages 38-39. Dundy county test had severe freezes May 26-29th which reduced populations severely in many plots. Reduced yields did occur in this test. Lincoln county test had a cold summer but the warm end of September allowed the crop to mature producing very high yields. No damage from the late spring frosts. Plots were machine harvested with dropped and broken ears included in the plot yields. Minimum insect damage. Period-of-years data are shown on page 40.

Southwest Ecofallow

Sixteen Hybrids were tested in Hayes and Red Willow counties. At Hayes County, wet conditions from the end of May through June 13 delayed planting. Hail on August 13 (40-50% loss) damaged crop and further slowed development. In Hayes County, the crop was not fully mature at time of 1st freeze causing reduced yields. The data from these two locations and three year tests

are shown on page 41.

Central Irrigated

Sixty hybrids were tested in Custer and Dawson counties. Freeze on May 26-28 significantly reduced populations and set corn back. In Custer county most damage occurred on the lower end of the plot (reps. 3 and 4). At the Dawson County plot, dry conditions at planting and through May caused some germination problems. Both plots had high yields and high moisture when harvested. The data from these plots are shown on pages 42-43. Three years of data are shown on page 44.

Early Maturing Ecofallow

Plots planted in Lincoln and Cheyenne counties were designed to test some of the earlier hybrids in an ecofallow system. The normal rotation would be wheat-corn-fallow with corn planted into standing wheat stubble. Results of two 1992 trials containing 7 hybrids each are shown on page 45. Lincoln County had a tough year with seedlings frozen off, re-emerged seedling eaten off by deer. The only thing that saved the crop was warmer than normal temperatures the last half of September. Cheyenne County with a cool season had delayed maturity. Moisture was above average, but got dry towards end of season. Significant yield differences between 7 hybrids was noted.

Southwest Irrigated

Sixty four hybrids were tested at two irrigated sites, one in Furnas county and one in Red Willow county. In Furnas County on May 25-27, a hard freeze reduced population and delayed development. Hail occurred twice during middle of July. In Red Willow County, a frost in late May caused slight reduction in populations. The yields at both locations were extremely high. This is the fourth year for this location so the 1992 data are shown on pages 46-47 and pages 48-49 for the 1989 - 1992 data.

North Central Irrigated

Forty hybrids were entered in both furrow and center pivot plots in Brown county which is located in the northern part of the sandhills.

Yields were high in both tests and showed a good adaptation for this area. The furrow irrigated plot had hail damage with estimated loss of 8-10 percent on August 4th when corn was in silk stage. This is the fourth year of testing at this location so 1992 data are presented on page 50 and 1989-1992 data is on page 51.

West Central Ecofollow

These plots were seeded into stubble from a wheat crop (page 52). These trials were planted in Lincoln, Custer, and Perkins counties with 10 hybrids. Perkins county had dry conditions at planting which delayed emergence. Late May freeze reduced plant stands and delayed development. Cold all summer but warm last half of September helped most varieties develop. Some varieties were not completely mature at time of 1st frost. Agreement between the three was less than desired but does show hybrid differences. Period-of-years data are shown on page 53.

West Irrigated: Long Season

The Scotts Bluff County plot was gravity irrigated. Irrigation occurred after planting due to dry conditions of field. Heat units were much below normal, so development was slowed. The

Morrill County plot was irrigated with a center pivot. Sand blasting soon after emergence damaged the corn but did not destroy the plot.

Plots matured well and had good drying weather at end of season. Data shown on page 54. Period-of-years yield and other data are shown on page 55.

West Irrigated: Short Season

Irrigated trials were in Box Butte and Cheyenne counties with 22 hybrids at each location (page 56). These sites represent higher elevation land which requires an earlier maturing hybrid than valley land. Box Butte plot was very dry when planted, but was irrigated immediately after planting. Severely damaged by frost May 28, then subsequent rot and hail June 26 causing moderate damage. All this plus much cooler than normal temperatures caused the crop to be very late in maturity, tasseling in August. Cheyenne County due to cool season had delayed maturity. This is the first year for this plot so no period of years averages are included.

South Central White Corn Test

Clay county plot was destroyed by ground squirrel which reduced plant population by half. It was too late to replant. Hail later wiped out rest of plot.

Cultural Practices

Nemaha: Dry land. No till. Crop history: 1990-corn, 1991-soybeans. 90 lb of actual N preplant. 3 qts. Extrazine II, Bactril Atrazine 2 pts. No insecticide. No cultivations. Hand hoed plot. This plot had 41 lb/a of residual N.

Cuming: Dry land. No till. Previous crops: 1990-Corn, 1991-Beans. 140 lb N at planting time. Herbicide: Lasso 3 qts., 2,4-D .3 pts. + Sencor 2 oz. on May 29. 2,4-D .3 pt. + Sencor 2 oz. June 30. No cultivations. Hand hoed plot. This plot had 96 lb/a of residual N.

York: Gravity irrigated. 1990 and 1991 crops were continuous corn. Applied 185 lb/a anhydrous ammonia as preplant. 5 gal. of 10-34-

0 at planting time with Bicep 2 qt./a. Treated corn root worm beetle with two applications of PennCap. Non cultivated but was ditched. Non irrigated due to adequate moisture during growing season. Hand hoed weeds. This plot had 70 lb/a of residual N.

Polk: Gravity irrigated. Previous crop was soybeans. 185 lb/a anhydrous ammonia was applied. Herbicide: 1.2 gallons Bicep in 15" band. Insecticide: 8 lb/a using Force in furrow. Field was deep chiseled in fall and two discings in spring. One cultivation June 16 and ditched. Hand hoed plot for weeds. This plot had 116 lb/a of residual N.

Clay: Gravity irrigated. Preplant 140 lb N/a anhydrous ammonia with 10 lb of Zn. Herbicide: Bullet at 3.2 qts./a. No insecticide. Tillage practices: ridge shaved, slot planted. Previous crop: soybean.

Franklin: Gravity irrigated. Preplant fertilizer: 225 lb anhydrous ammonia. Herbicides: Bicep 0.9 qt/a in 14-15 inch band. Tillage practices: Ridge shaved and slot planted. Although this plot was harvested with an average yield of 180 bu/a, the data could not be used because of extreme variability associated with emergence and unknown environmental problems.

Dixon: Dryland. Crop history: 1990-corn, 1991-corn. Plot was replanted May 20. 90 lb. N as anhydrous ammonia was applied preplant with 7.7 gallons 10-34-0 starter. Herbicides: 1 pt. Tandem + 0.9 lb. 90 % Atrazine + 0.9 lb. 90% Bladex applied June 10. Counter 15G insecticide was used at 228 grams/1000 ft.

Antelope: Irrigated. Previous crop was corn. Preplant: Weed/feed 40 lb N; Dry top dress-50 lb. N. Starter fertilizer used was 12 lb. N and 42 lb. P_2O_5 . Fertigation: 60 lb. N. Herbicide: Bicep at 1.4 qt./a on April 28. Cultivated plot June 11.

Custer: Irrigated. Previous crop was corn. Seed bed preparation was double disking. Preplant 128 lbs N as anhydrous ammonia and 37 lb. N + 15 lbs/a Sulphur in herbicide carrier. At planting used 6.7 gal/a of 10-34-0. Herbicide: 3 lb. Atrazine preplant. Insecticide: Counter 20CR at 9.0 lbs/a. Dyfonate 20G 5 lbs/a on July 8. Farmer Entry yields: Pioneer 3525 @ 193 and Pioneer 3563 @ 179 bu/a.

Dawson: Irrigated. Past two years was corn. Ridge tilled using Hiniker openers. Preplant 145 lb. N as anhydrous ammonia, with 6 gallons 10-34-0 + 4 gallons 28-0-0 or 15 lbs N + 23 lbs P/a. Herbicide: 3.5 qts Lariat/a in 14 inch band at planting. Insecticide: Furadan 15G at cultivation time for rootworm control. July 31, PennCap 2 pts/a was applied to control Western bean cutworm. Farmer Entry yields: Bojac 602 @ 212 and Bojac 358 @ 181 bu/a.

Furnas: Irrigated: Continuous corn. 130 lb. of anhydrous ammonia preplant. Residual Nitrate

was 81 lb. in top 10 inches of soil profile. Herbicide: Bicep 6L at 1 qt/a banded in 12 inch band. Insecticide: 8.7 lb. Force 15G at 1 qt/a in 12 inch band in 30 inch rows. Ridge planted. Farmer Entry yields: Bojac 602 @ 209 and Bojac 520 @ 191 bu/a.

Red Willow: Irrigated: Corn was grow in 1990 and 1991. 60 lb. N as anhydrous ammonia + 7.5 gallons 10-34-0/a dual injected. Herbicide: 3 qt/a Lasso in 15 inch band behind planter. Banvel + Atrazine (0.4 pt. + 1 qt.) applied two weeks after planting. Insecticide: Counter at cultivation 7 lbs/a. Lorsban 15G 8 oz./1000 ft. of row at planting. Ridge tilled using sidewinder (rototiller) attachment on planter. Farmer Entry yields: Golden Harvest 2525 @ 232 and Horizon 7113 @ 228 bu/a.

Hayes: Ecofallow. Previous two crops were fallow-1990, wheat-1991. 60 lb. N with herbicide preplant and at planting time 5 lbs N + 18 lbs P/a. Herbicide: fall of 1991 applied 2.5 lbs/a Atrazine. Bladex + Atrazine as preplant. Farmer Entry yields: Keltgen 2750 @ 51 and Keltgen 2760 @ 43 bu/a.

Red Willow: Ecofallow. 1990-Fallow, 1991-wheat. Fertilizer: 70 lb. N + 8 lb. K_2O + 13 lb. S + 0.8 lb. Zn/a. Herbicides: Fall of 1991 (8/9/91) 2.5 lb. Atrazine + 0.75 lb. 2,4-D + 2 pts. Cyclone + 1 qt crop oil/a. Applied 4/2/92 with preplant fertilizer 1 lb. Atrazine + 2 pt. Dual + 0.3 lb. 2,4-D. Lorsban 15G in furrow with planter. Farmer Entry yields: Pioneer 3475 @ 135 and Pioneer 3569 @ 132 bu/a.

Lincoln: Ecofallow. Crop history: Fallow 1990, Winter wheat 1991. Atrazine and Paraquat on stubble after wheat harvest with Landmaster preplant. 60 lb. N was applied preplant. Insecticide was not used.

Custer: Ecofallow. 1990 - Fallow, 1991 - wheat. Preemergence fertilizer used was 80 lb. N + 10 lb. S/a on 5/15/92. At planting: 8 lb. N + 27 lb. P + 8 lb. S + 0.8 lb./a Zn. Fall of 1991 2 lb. Cyclone + 3 lbs. Atrazine. Preemergence 2.2 lb./a of Bladex applied 5/15/92. Farmer Entry yields: Fontenelle 4095 @ 84 and Fontenelle 3920 @ 82 bu/a.

Perkins: Ecofallow. 1990 - Fallow, 1991 -

wheat. 65 lbs/a of N was used as starter fertilizer. Herbicide treatments in 1991 are as followed. 7/28 0.9 lb. Atrazine + 20 oz. Roundup + 0.5 lb 2,4-D/a. 9/4 0.9 lb. Atrazine. 1992 treatments: 3/20/ 0.9 lb. Atrazine + 20 oz. Roundup. 4/26/ 8 oz. Banvel. Insecticide treatment was Lorsban 15G in furrow with planter. Farmer Entry yields: Pioneer 3461 @ 94 and Pioneer 3733 @ 109 bu/a.

Brown: Gravity irrigated. Continuous corn planted in 1990 and 1991. 164 lb. N as anhydrous ammonia. 30 lb. N. + 20 lb. P + 20 lb. K + 6 lb. sulphur + 0.5 lb. Zn/a in starter fertilizer. Herbicide: 1.8 qt. Bicep broadcast preplant. Insecticide: Counter 15G in T band with planter using 8.5 lbs/a. 3 oz. of Pounce for corn borer. Disked twice and planted. Farmer Entry yields: Cargill 4327 @ 174 and Curry 2165 @ 169 bu/a.

Brown: Center pivot irrigated. 1990 and 1991 corn. Fertilization: Preplant 80 lb. Phosphorus. At planting: 10 gallons/a of 28 % N as herbicide carrier and 11 gallons/a 10-34-0 + 1 lb. Zn as starter. Sidedress: At cultivation 110 lb. N as anhydrous ammonia. 3 gallons Thiosole + 5 gallons 32 % N through pivot in June. Herbicide: Bicep 6L 1 qt/a banded rate 15 inch of 30 inch (2 qt. broadcast rate). Prowl + Atrazine (2 pts. + 1.5 lb.) postemergence at 4th leaf stage. Double disked and planted. Insecticide: 5.2 lb. Force with planter. Farmer Entry yields: Coop 2141 @ 152 and Coop 2185 @ 147 bu/a.

Lincoln: Irrigated. After grain sorghum. 180 lb. N as anhydrous ammonia. Herbicide used was 1.8 lb. Bicep. No insecticide use. Thinned to 25,000 plants/a.

Dundy: Irrigated. Continuous corn. At planting used 19.9 gal./a of 8-26-5-5 sulphur-2 Zn as starter. Sidedressed 153 lbs N/a as anhydrous ammonia. Herbicides: 2 lbs/a of Atrazine as preplant. Lasso II 15G in 13 inch bands in 30 inch rows at 11.5 lb/a broadcast rate with the planter. Lorsban 15G at 8 oz/1000 ft of row. 3 oz. rate of Asana for corn borer-1st brood. Plot was disked and planted. Farmer Entry yields: AgriPro 510 @ 136 and AgriPro 595 @ 122 bu/a.

Box Butte: Center pivot Irrigated. Crop history: wheat-1990, beets-1991. Fertilizer at planting was 20 lb. N, 30 lb. P, 6 lb. S, 2 lb. Zn. Side dress 130 lb. N (anhydrous ammonia), 20 lb. N in sprinkler system. Herbicide: Lasso-Bladex.

Scotts Bluff: Gravity Irrigated. Previous crop was dry beans. 150 lb. of 10-34-0-Zn. (15 lb. N + 51 lb. P205 + 1.5 lb. Zn.) as starter fertilizer. Sidedress: 1 qt. Bladex + 2 qts. Lasso in 10 gallons of water applied April 29.

Morrill: Center pivot Irrigated. 1991 was corn. 60 lb. N liquid as preplant. At planting 15 lb. N, 45 lb. P, 7 lb. S, 1 lb. Zn. Side dress 65 lb. N through sprinkler. Herbicide: 2 lb. Atrazine + 8 oz/a Banvel postemergence.

Cheyenne: Sprinkler Irrigated. Crop history for 1991 was sunflowers. Preplant 30 lb. N from ammonia nitrate. At planting: 10 lb. N, 33 lb. P, 6 lb. S, 1 lb. Zn/a. Sidedress: 85 lb. N. Herbicides: 1 lb. Atrazine + 1.7 lb. Lasso preemergence. No Insecticide was used.

Lincoln: Early Maturing Ecofallow. Previous crops: 1990-fallow; 1991-wheat. Atrazine and paraquat on stubble after wheat harvest and Landmaster preplant. 60 lb./a N as preplant. Hand thinned. No insecticide was used.

Cheyenne: Early Maturing Ecofallow. Crop history: 1990-fallow, 1991-winter wheat. Fertilizer used at planting was 6 lb. N, 21 lb. P, 4 lb. S, 1 lb. Zn /a. Side dress 50 lb. N as ammonia nitrate. Herbicide applied was 1 lb. Atrazine + 1.7 lb. Lasso preemergence. No insecticide was applied.

Clay: White corn. Plot was destroyed by ground squirrels which reduced plant population by half. It was too late to replant. Hail later wiped out rest of plot.

Southeast dryland Corn Hybrid Tests

Nemaha and Cuming Counties – 1992.

BRAND	HYBRID	Average bu/a	Nemaha bu/a	Cuming bu/a	Moisture %	Brokn %	Dropt %	Bushel Weight
CARGILL	7697	214 **	226 **	201 **	23.3	0	0	55.4
HYPERFORMER	HS 9773	204 *	217 *	190 *	22.9	0	0	54.2
CARGILL	7877	204 *	208 *	200 *	24.4	1	0	54.6
CROW'S	682	197 *	194	199 *	25.9	1	0	53.4
OTILIE	2483	195	201	189 *	26.6	1	0	53.6
CARGILL	7997	194	196	192 *	25.1	1	0	55.6
BO-JAC	629	192	206 *	177	26.0	1	0	54.3
RENZE	6412	191	198	184 *	22.7	2	0	56.3
TERRA	TR1090	188	185	191 *	21.2	1	0	56.7
GOLDEN HARVEST	H-2544	187	203 *	171	24.6	1	1	53.2
CROW'S	488	186	192	180 *	20.5	2	0	56.2
ICI SEEDS	8260	185	192	177	26.1	0	1	54.0
CUSTOM FARM SEED	CFS6428	185	185	185 *	23.7	1	1	54.7
TERRA	TR1101	183	173	192 *	23.2	1	0	54.8
ORO	EXP 1008	183	180	186 *	27.2	1	0	54.4
PIONEER	3417	183	181	185 *	21.0	0	0	57.2
HAWKEYE	7378	183	183	183 *	23.7	3	0	54.9
PIONEER	3159	183	183	183 *	25.0	0	0	55.5
NC+	6485	183	193	172	24.3	1	0	54.9
MCCURDY	7477	183	172	194 *	24.7	2	0	55.2
SEXAUER	SX 750	182	178	185 *	21.3	1	1	54.8
NC+	6414	182	183	180 *	26.9	0	1	53.8
HYPERFORMER	HS 9502	182	184	180 *	23.5	1	0	54.0
JACQUES	7970	181	183	179 *	23.5	2	0	55.5
OTILIE	2488	181	185	177	24.4	1	0	54.7
NORTHRUP KING	CO8625	181	185	177	23.7	2	0	55.8
FONTANELLE	6162	180	190	169	23.0	2	0	55.2
GROWERS BRAND	GSC 4202	180	187	173	26.1	1	0	55.1
OHLDE	519	180	171	189 *	24.6	1	1	56.0
SANDS OF IOWA	SOI-9171	180	186	173	23.5	5	0	55.5
KELTGEN	2763	178	181	174	21.9	1	1	56.4
ORO	190	178	174	182 *	24.0	2	0	53.4
RENZE	6520	178	181	175	23.9	4	0	55.0
-----	NEBR. 611	178	170	186 *	24.3	5	0	52.2
PIONEER	3398	178	174	181 *	22.0	0	0	56.4
KRUGER	K9319	177	172	181 *	27.5	1	0	52.3
KRUGER	K9315A	177	175	178	21.8	1	0	56.8
CARGILL	7177	177	176	177	22.2	2	0	56.0
OHLDE	501A	176	169	182 *	24.6	1	0	54.9
DEKALB PLANT GE	DK646	176	186	165	23.2	2	0	53.4
TRIUMPH	1270	175	173	176	22.5	1	1	56.1
HYPERFORMER	HS 9704	175	180	170	23.8	3	0	54.6

Continued on next page.

Southeast dryland Corn Hybrid Tests. Page 2. Nemaha and Cumming Counties – 1992.

BRAND	HYBRID	Average bu/a	Nemaha bu/a	Cuming bu/a	Moisture %	Brokn %	Dropd %	Bushel Weight	
CROW'S	667	175	187	162	24.5	1	0	54.6	
KRUGER	K9321	174	176	171	26.5	0	0	54.3	
OTTILIE	2480	174	176	172	24.1	2	0	55.4	
KRUGER	K9114	174	173	175	23.0	1	1	55.1	
PIONEER	3299	174	174	174	24.6	2	0	54.5	
NORTHRUP KING	N 7768	174	180	168	24.0	1	0	55.5	
JACQUES	8210	173	177	168	24.2	3	0	55.5	
CUSTOM FARM SEE	CFS7628	173	172	174	21.9	1	0	56.5	
RENZE	6394	173	176	169	21.7	1	0	56.2	
SANDS OF IOWA	SOI-9140	172	180	164	23.6	0	1	55.9	
HORIZON	7878	171	179	162	22.4	1	1	54.7	
LEWIS	7288	170	171	168	24.6	3	0	53.9	
ASGROW	RX802	169	162	176	22.8	0	0	55.7	
ASGROW	RX711	169	176	162	21.1	1	0	56.2	
HORIZON	9118	169	172	166	23.7	2	1	55.2	
HAWKEYE	SX26	169	166	171	21.2	3	0	54.8	
FEDERAL	FX40A	168	168	167	24.7	5	1	54.5	
CUSTOM FARM SEED	CFSW7877	167	171	162	24.0	1	0	55.7	
RENZE	6323	167	154	180	20.8	2	0	56.6	
GROWERS BRAND	GSC 4192	166	170	162	24.0	3	0	55.3	
SEXAUER	SX 777	165	164	165	21.2	0	0	57.2	
SANDS OF IOWA	SOI 9131	165	174	156	22.3	1	0	56.5	
HAWKEYE	SX58	165	165	165	22.7	2	0	55.5	
PAYCO	909	164	171	156	22.1	1	0	56.7	
PAYCO	925	164	163	164	24.7	2	0	54.7	
OHLDE	359	163	162	164	24.6	4	0	54.4	
STINE	1115	162	168	156	22.5	0	1	54.7	
TERRA	TR1160	161	156	165	23.9	1	1	54.8	
KELTGEN	2822	159	155	163	24.4	0	0	54.5	
AGRIGENE	AG 7720	158	153	163	24.3	4	1	56.1	
CUSTOM FARM SEED	CFSW7555	155	157	153	22.9	1	1	57.6	
CROW'S	669	153	154	152	26.0	1	0	54.4	
WILSON	1890	149	173	125	25.5	1	0	54.7	
Average all entries		176.3	178	174	23.7	1.2	0.1	54.8	
Dif. Req. for Sig.		5%	18	23	22	1.5	2.6	NS	1.7
		25%	11	13	13	0.9	1.5	NS	1.0

Southeast Dryland Corn Hybrid Tests.

1988 – 1992.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LB/BU
2 YEAR AVERAGE						
CARGILL	7997	157	21.3	2	1	57.0
CARGILL	7877	157	20.4	3	1	56.0
CROW'S	488	153	18.3	3	1	57.2
HYPERFORMER	HS 9773	152	19.2	2	1	56.6
CROW'S	682	151	21.1	1	1	55.8
RENZE	6412	148	19.4	2	1	57.7
TERRA	TR1090	145	18.7	2	1	57.7
-----	NEBR. 611	145	20.0	5	0	54.2
NC+	6414	145	22.0	1	1	55.4
MCCURDY	7477	143	21.4	2	0	56.5
NORTHRUP KING	CO8625	143	20.1	2	1	57.5
RENZE	6520	142	21.0	3	1	56.7
JACQUES	8210	142	21.3	3	0	56.6
DEKALB PLANT GEN	DK646	142	19.9	2	0	55.4
TRIUMPH	1270	141	18.9	2	1	57.6
GROWERS BRAND	GSC 4192	140	21.1	3	1	56.8
KRUGER	K9114	140	19.6	1	1	56.6
NORTHRUP KING	N 7768	140	21.1	3	1	57.0
FEDERAL	FX40A	138	20.5	5	2	55.6
ORO	190	138	21.3	3	1	55.4
PIONEER	3159	137	21.0	1	0	56.9
HYPERFORMER	HS 9704	136	20.3	3	1	56.7
SANDS OF IOWA	SOI-9140	135	20.3	1	2	57.2
LEWIS	7288	134	21.0	3	0	56.1
HORIZON	9118	134	20.7	2	1	56.9
AGRIGENE	AG 7720	132	21.0	4	1	57.3
WILSON	1890	125	22.2	2	1	55.8
AVERAGE ALL ENTRIES		142	20.5	2.1	0.5	56.5
DIF. REQ. FOR SIG.	5%	7	0.6	NS	0.4	0.4
	25%	4	0.4	0.5	0.2	0.2
3 YEAR AVERAGE						
HYPERFORMER	HS 9773	160	18.6	3	1	56.8
CROW'S	488	157	17.9	2	0	57.2
CARGILL	7877	157	20.0	2	1	56.0
CROW'S	682	152	20.2	2	0	55.8
MCCURDY	7477	151	20.7	2	0	56.7
RENZE	6412	151	19.1	2	0	57.8
TERRA	TR1090	150	18.2	1	1	57.7

Continued on page 2.

Southeast Dryland Corn Hybrid Tests.

1988 – 1992. Page 2.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LB/BU
3 YEAR AVERAGE (Continued)						
JACQUES	8210	150	20.8	2	0	56.9
TRIUMPH	1270	149	18.2	1	1	57.7
NORTHRUP KING	CO8625	148	19.5	1	1	57.8
LEWIS	7288	147	20.6	2	0	56.4
RENZE	6520	147	20.7	2	1	56.8
ORO	190	146	20.8	2	0	56.1
AGRIGENE	AG 7720	144	20.7	3	1	57.3
-----	NEBR. 611	144	19.4	5	0	54.6
HORIZON	9118	143	20.1	2	1	57.0
WILSON	1890	140	21.7	2	0	55.9
AVERAGE ALL ENTRIES		149	19.8	2.1	0.5	56.7
DIF. REQ. FOR SIG.	5%	6	0.4	NS	0.3	0.3
	25%	4	0.2	0.4	0.2	0.2
4 YEAR AVERAGE						
CARGILL	7877	143	19.6	8	1	56.0
CROW'S	488	142	17.6	6	1	57.2
JACQUES	8210	141	20.4	7	0	56.9
MCCURDY	7477	140	20.4	7	0	56.5
RENZE	6412	139	18.9	7	0	57.8
AGRIGENE	AG 7720	134	20.3	6	1	57.2
-----	NEBR. 611	132	18.9	11	0	54.9
WILSON	1890	129	21.2	5	0	55.9
AVERAGE ALL ENTRIES		137	19.6	7	0.3	56.5
DIF. REQ. FOR SIG.	5%	5.7	0.3	1.4	NS	0.2
	25	3.2	0.2	0.8	NS	0.1
5 YEAR AVERAGE						
CROW'S	488	136	16.7	5	1	57.2
JACQUES	8210	136	19.3	7	0	57.2
CARGILL	7877	133	18.5	8	1	56.0
-----	NEBR. 611	125	17.9	10	0	55.0
AVERAGE ALL ENTRIES		132	18.1	7.5	0.4	56.3
DIF. REQ. FOR SIG.	5%	4	0.3	1.1	NS	0.3
	25%	3	0.2	0.6	NS	0.2

Southeast Irrigated Corn Hybrid Test.

York and Polk Counties. 1992.

Brand	Hybrid	Average bu/a	York bu/a	Polk bu/a	Moisture %	Broken %	Dropd %	Bushel Weight
PIONEER	3162	205	201 *	209 *	25.9	2	0	54.8
PAYCO	925	204	205 *	202 *	23.6	2	1	55.7
KRUGER	K9114	202	200 *	203 *	22.1	1	1	54.9
TERRA	TR1145	201	207 *	195 *	24.7	1	0	54.7
CARGILL	7697	200	198 *	202 *	22.1	3	1	57.2
DEKALB PLANT GEN	DK646	200	210 **	190 *	23.9	3	0	54.5
PIONEER	3417	199	186 *	211 **	20.7	0	1	57.0
PIONEER	3394	197	191 *	202 *	19.9	2	1	57.6
HAWKEYE	SX58	196	194 *	198 *	22.7	2	1	55.8
NOBLE BEAR	NB 693	196	189 *	203 *	23.9	2	1	55.1
BO-JAC	5218	195	191 *	199 *	20.5	1	0	56.8
CURRY	2183	194	195 *	193 *	21.3	1	1	56.1
PIONEER	3245	193	194 *	191 *	21.8	3	0	57.9
CARGILL	7997	191	191 *	190 *	22.8	2	0	56.2
OHLDE	360	191	202 *	180	23.8	2	1	54.6
SUPERIOR	SP 6223	191	170	211 *	21.7	2	0	56.0
BO-JAC	3581	190	177	202 *	19.9	2	0	56.9
FONTANELLE	6162	190	181	199 *	22.8	3	0	55.8
TAYLOR-EVANS	T-E 6951	189	191 *	186 *	23.1	4	1	55.7
OTILIE	2475	189	181	196 *	22.6	10	1	55.8
HYPERFORMER	HS 9484	189	182	195 *	20.1	5	1	56.3
TERRA	TR1101	188	185 *	190 *	22.4	2	0	54.8
OTILIE	2445	188	181	194 *	20.6	4	0	56.4
GOLDEN HARVEST	H-2544	187	185 *	189 *	22.6	4	1	54.1
BO-JAC	520	187	192 *	182	20.5	4	0	56.2
PAYCO	829	187	175	198 *	21.7	2	0	55.8
HORIZON	7878	187	186 *	188 *	22.0	3	0	54.6
ICI SEEDS	8382	187	187 *	187 *	21.8	3	1	55.9
CUSTOM FARM SEED	CFSW7877	187	200 *	174	23.6	5	0	55.5
EK PREMIUM	7796	187	175	198 *	23.8	5	0	55.1
NORTHRUP KING	N 6330	186	188 *	183	20.9	5	0	56.3
SEXAUER	SX 750	186	173	199 *	21.4	7	2	54.3
KRUGER	K9320	185	184 *	186 *	26.5	2	0	52.8
KRUGER	K9319	185	177	192 *	27.6	1	0	52.1
SUPERIOR	SP 5592	185	175	194 *	22.5	2	0	55.4
OHLDE	280	185	170	200 *	21.9	1	1	54.3
WILSON	1760	185	166	203 *	23.4	13	1	55.4
JACQUES	8210	184	178	189 *	21.7	11	0	56.5
CROW'S	449	184	170	197 *	20.3	2	0	56.8
RENZE	6394	184	182	186 *	22.3	2	0	56.9
HYPERFORMER	HS 9502	184	196 *	171	22.4	2	1	54.8
ICI SEEDS	8272	184	188 *	180	24.7	2	1	54.4
CURRY	2176	184	171	196 *	21.3	4	1	54.3
KELTGEN	2763	183	177	188 *	22.4	2	0	55.8
CROW'S	401	183	176	190 *	21.3	2	2	54.5
CUSTOM FARM SEED	CFSW8052	183	188 *	177	23.1	12	1	55.5
TRIUMPH	1270	183	182	183	20.4	2	0	56.5
EK PREMIUM	7798	183	182	183	23.4	3	1	55.0
-----	NEBR. 611	183	178	188 *	22.7	7	0	53.2
NOBLE BEAR	NBX 8885	182	185 *	179	22.4	3	1	54.9

Continued on next page.

Southeast Irrigated Corn Hybrid Test. Page 2.York and Polk Counties. 1992.

Brand	Hybrid	Average bu/a	York bu/a	Polk bu/a	Moisture %	Broken %	Drop %	Bushel Weight
CURRY	2187	182	178	186 *	21.4	3	0	56.6
CROW'S	488	182	178	185	21.0	9	1	54.9
DAHLGREN	D5161	182	185 *	179	23.1	7	1	55.7
RENZE	6310	182	197 *	166	22.2	6	1	54.6
TAYLOR-EVANS	T-E X9106	182	162	202 *	23.9	2	0	54.3
HYPERFORMER	HS 9490	182	181	182	20.8	1	0	56.7
SUPERIOR	SP 6113	181	192 *	169	23.4	1	0	56.1
WILSON	1750	181	186 *	176	22.7	6	0	55.8
RENZE	6520	181	167	195 *	23.4	5	0	55.5
OTILIE	2446	181	189 *	172	23.6	1	1	54.2
ORO	190	181	171	191 *	23.0	7	1	56.3
CARGILL	8177	180	174	185	25.2	5	1	53.5
CIBA	4583	180	183	176	24.7	2	1	54.4
DEKALB PLANT GEN	DK623	180	168	191 *	21.4	5	0	55.4
ASGROW	RX809	179	184 *	173	22.7	6	1	54.4
FEDERAL	FX40C	179	164	193 *	24.1	2	0	54.8
TERRA	TR600E	179	150	207 *	19.6	2	0	56.3
OHLDE	371	178	173	182	23.6	6	0	55.5
MCCURDY	7300	178	180	175	23.9	4	1	55.1
TERRA	TR1160	177	181	173	23.9	1	0	54.3
RENZE	6410	176	175	176	23.4	6	1	54.9
HYPERFORMER	HS 9843	176	174	177	25.7	1	1	53.7
ORO	EXP 1008	175	169	180	25.9	16	0	53.6
SEXAUER	SX 678	175	159	191 *	19.5	2	0	57.1
CIBA	4502	174	182	166	20.9	2	0	57.8
NORTHRUP KING	N 7768	174	155	193 *	23.2	13	0	56.0
KELTGEN	2868	174	196 *	152	25.0	0	0	54.0
CURRY	1496	174	163	185	23.2	8	1	55.0
SUPERIOR	SP 7290	173	167	179	22.7	8	1	55.9
OHLDE	359	172	156	187 *	23.6	7	0	55.9
ASGROW	RX802	171	163	178	23.0	1	1	56.4
TAYLOR-EVANS	T-E 7055	171	163	179	23.2	9	0	55.9
CUSTOM FARM SEED	CFSW7555	171	163	178	24.1	5	0	57.4
KRUGER	K9321	170	185 *	155	25.8	1	1	54.3
AGRIGENE	AG 7720	170	155	184	23.5	6	0	55.7
NOBLE BEAR	NB 814	169	186 *	151	25.1	2	0	54.3
CUSTOM FARM SEED	CFSW6057	168	151	185	20.2	3	0	57.1
MCCURDY	7477	167	161	173	23.6	10	1	55.5
GROWERS BRAND	GSC 4202	167	174	159	23.7	3	0	54.8
HORIZON	9118	166	148	183	23.2	12	0	56.4
GROWERS BRAND	GSC 4192	164	142	185	23.7	10	0	55.9
HAWKEYE	SX61	162	167	157	23.5	5	1	55.4
HAWKEYE	SX70	161	172	150	24.9	1	0	54.5
BO-JAC	7195	158	186 *	129	25.9	1	0	54.2
CROW'S	669	157	147	167	25.7	3	0	55.5
Average all entries		182	179	185	22.8	3.7	0.2	55.4
Dif. Req. for Sig.		5%	NS	26	2.3	7.8	NS	2.0
		25%	NS	16	1.3	4.5	NS	1.2

Southeast Irrigated Corn Hybrid Tests. 1988 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 Year Average						
PIONEER	3162	214	22.0	2	1	57.6
DEKALB PLANT GEN	DK646	211	20.0	3	0	56.8
PIONEER	3417	209	17.6	1	1	58.6
NOBLE BEAR	NB 693	206	19.9	2	1	57.8
BO-JAC	520	206	17.9	3	0	58.2
EK PREMIUM	7796	206	20.5	3	0	57.9
RENZE	6310	206	18.9	4	1	56.9
MCCURDY	7300	206	20.5	3	1	57.8
CARGILL	7697	205	19.0	3	1	59.1
NORTHRUP KING	N 6330	205	18.0	3	1	58.1
OTILIE	2445	205	17.7	3	0	58.2
CARGILL	7997	204	20.0	3	0	58.2
KRUGER	K9114	203	18.7	1	1	57.3
NOBLE BEAR	NB 814	202	21.3	2	0	57.3
OHLDE	280	202	18.4	2	1	56.7
CURRY	2183	202	17.9	1	1	58.7
CROW'S	488	200	18.1	6	1	57.4
ORO	190	200	20.4	5	1	58.0
-----	NEBR. 611	199	19.6	5	1	55.7
MCCURDY	7477	199	20.6	7	1	57.7
OTILIE	2475	199	19.4	6	1	58.2
OHLDE	371	198	20.0	5	0	58.0
TRIUMPH	1270	197	17.7	2	0	58.3
RENZE	6410	197	20.3	4	1	57.4
AGRIGENE	AG 7720	195	20.4	6	0	57.8
NORTHRUP KING	N 7768	194	20.4	8	1	58.0
SUPERIOR	SP 7290	194	20.2	6	1	57.8
RENZE	6520	193	20.5	4	0	57.7
HAWKEYE	SX61	193	20.4	4	1	57.7
OHLDE	359	191	20.7	5	0	57.8
CURRY	2176	190	17.4	3	1	56.4
GROWERS BRAND	GSC 4192	189	20.8	7	0	57.9
CROW'S	449	186	17.5	2	0	58.7
AVERAGE ALL ENTRIES		200	19.4	3.4	0.3	57.7
DIF. REQ. FOR SIG. 5%		8	0.4	1.4	0.3	0.4
25%		5	0.2	0.8	0.2	0.2

Continued on next page.

Southeast Irrigated Corn Hybrid Tests. 1988 – 1992. Page 2.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
3 YEAR AVERAGE						
PIONEER	3417	196	17.4	1	1	58.6
OTILIE	2445	192	17.2	2	0	58.2
NORTHRUP KING	N 6330	190	17.6	3	0	58.0
SUPERIOR	SP 7290	190	20.1	4	1	57.6
EK PREMIUM	7796	189	19.9	3	0	57.4
CROW'S	488	188	17.5	5	1	57.3
TRIUMPH	1270	186	17.3	2	0	58.2
RENZE	6520	186	20.2	4	0	57.6
-----	NEBR. 611	184	19.0	5	1	55.8
AVERAGE ALL ENTRIES		189	18.5	3.1	0.5	57.6
DIF. REQ. FOR SIG. 5%		5	0.3	1.0	NS	0.3
25%		3	0.2	0.5	0.2	0.2
4 YEAR AVERAGE						
CROW'S	488	159	18.8	6	1	56.6
EK PREMIUM	7796	159	20.4	3	1	56.7
-----	NEBR. 611	153	20.3	7	1	55.1
AVERAGE ALL ENTRIES		157	19.8	5.2	0.8	56.1
DIF. REQ. FOR SIG. 5%		2	0.5	1.0	NS	0.2
25%		1	0.3	0.6	0.1	0.1
5 YEAR AVERAGE						
CROW'S	488	147	18.1	5	1	57.0
EK PREMIUM	7796	145	19.6	3	0	57.2
-----	NEBR. 611	141	19.4	6	1	55.6
AVERAGE ALL ENTRIES		144	19.0	4.7	0.7	56.6
DIF. REQ. FOR SIG. 5%		2	0.4	0.8	NS	0.2
25%		1	0.2	0.4	0.1	0.1

Clay County Irrigated Corn Hybrid Test – 1992

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
PIONEER	3162	225	21.0	7	0	24040
CARGILL	7997	211	18.7	7	0	25340
BO-JAC	5397	209	17.2	17	0	24150
HORIZON	7878	201	17.2	15	0	24620
HYPERFORMER	HS 9484	201	17.2	9	0	24480
FONTANELLE	6162	201	20.0	12	0	24020
CARGILL	7697	201	18.4	15	2	24410
NOBLE BEAR	NB 814	200	19.8	9	2	23710
TERRA	TR621E	200	20.7	12	0	24120
WILSON	1760	199	20.9	5	0	26410
ASGROW	RX707	198	17.2	12	0	25600
TERRA	TR1101	198	17.7	11	0	25000
HAWKEYE	SX70	196	20.1	9	2	23860
BO-JAC	7195	196	20.6	8	0	25390
OHLDE	371	193	20.4	11	2	25390
PIONEER	3245	192	19.3	2	1	24140
PIONEER	3379 ##	192	16.9	4	0	24570
CIBA	4502	192	19.1	9	0	26200
GOLDEN HARVEST	H-2544	192	17.9	10	2	24630
PAYCO	920	191	20.3	1	0	23610
HYPERFORMER	HS 9843	191	19.9	5	2	26830
TERRA	TR1145	188	20.4	2	0	24690
DEKALB PLANT GEN	DK646	187	18.7	12	1	24200
NOBLE BEAR	NB 690	187	18.2	5	0	25690
HYPERFORMER	HS 9490	187	18.4	3	0	23390
CROW'S	449	187	17.4	3	0	24480
HYPERFORMER	HS 9502	187	18.0	17	0	24240
BO-JAC	8176	186	19.2	15	1	24450
SUPERIOR	SP 7633	186	19.6	7	2	24290
SEXAUER	SX 777	186	19.4	6	0	23660
BO-JAC	642	186	19.7	14	1	24230
CROW'S	667	186	18.9	22	0	23650
RENZE	6410	184	21.1	4	0	23470
OHLDE	360	184	19.9	6	0	23260
PIONEER	3417	184	17.5	1	1	23340
NC+	4275	183	16.5	18	0	23770
CURRY	1496	183	18.7	18	1	23820
HAWKEYE	SX61	181	21.1	16	2	23040
NORTHROP KING	N 6330	181	17.3	15	0	24880
CURRY	2165	180	16.2	9	0	23370
HAWKEYE	SX58	180	19.2	7	0	23780
WILSON	1890	180	20.8	7	0	24280
OTILIE	2480	179	19.1	14	1	25390
NC+	6485	179	19.7	5	1	23680
NOBLE BEAR	NB 2562	178	19.6	12	1	24200
ICI SEEDS	8543	178	16.6	21	0	24030
ICI SEEDS	8272	177	19.0	13	2	23900
RENZE	6412	177	19.4	10	2	23340

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Clay County Irrigated Corn Test – 1992 Page 2.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
OTTILIE	2445	177	17.8	13	2	23720
KELTGEN	2763	177	18.6	7	1	22550
PAYCO	925	176	19.9	4	1	23960
SUPERIOR	SP 6113	176	19.0	7	1	23330
HOEGEMEYER	2680 ##	176	19.5	7	1	23980
NOBLE BEAR	NB 693	174	19.6	1	1	21780
CURRY	2176	174	16.3	7	2	21530
DAHLGREN	DC545	173	20.0	9	0	22860
TRIUMPH	1270	173	17.4	8	0	24050
CARGILL	8177	173	19.0	38	1	23420
KELTGEN	2812	173	19.5	8	2	23680
JACQUES	7970	173	20.0	15	0	24820
CROW'S	488	170	17.1	38	1	23430
AGRIGENE	AG 7550	170	19.4	30	0	23870
DEKALB PLANT GEN	DK636 ##	170	19.4	14	0	23640
NORTHROP KING	S 7751 ##	170	20.2	11	1	25100
JACOBSEN	JS78	168	19.1	4	0	22750
SEXAUER	SX 678	167	15.7	12	1	23370
SUPERIOR	SP 7291	167	19.2	10	0	24620
GOLDEN HARVEST	H-2525 ##	167	17.4	10	0	25190
CROW'S	401	167	16.5	17	1	24800
MCCURDY	7477	165	19.8	10	0	25210
PAYCO	829	164	17.1	10	0	24830
TERRA	TR1160	163	19.1	5	0	21290
NC+	5963	163	19.3	10	1	22920
JACQUES	8210	162	19.7	28	1	24890
OTTILIE	2488	162	19.9	25	1	24340
OHLDE	359	161	19.9	13	0	25430
-----	NEBR. 611	161	17.4	29	1	23040
ASGROW	RX802	161	20.0	5	0	24160
ICI SEEDS	8492 ##	160	17.2	8	1	24010
GROWERS BRAND	GSC 4192	159	20.1	16	0	23640
CURRY	2183	157	18.1	3	0	20550
GROWERS BRAND	GSC 4176	156	18.7	12	1	23740
STINE	1180	154	19.9	20	0	22420
RENZE	6520	153	20.3	18	0	24920
NORTHROP KING	CO8625	152	18.4	16	3	23790
SUPERIOR	SP 7290	152	19.9	20	0	24210
AGRIGENE	AG 7720	152	19.1	24	0	23260
ORO	190	149	20.0	27	0	23350
NORTHROP KING	N 7768	145	20.0	30	1	23610
NORTHROP KING	N 3808	145	20.0	30	1	23610
DEKALB PLANT GEN	DK623	143	18.0	7	1	24100
HORIZON	9118	139	19.2	13	1	21690
AVERAGE ALL ENTRIES		178	18.9	12	1	23980
DIF. REQ. FOR SIG 5%		22	1.1	10	NS	2470
25%		13	0.7	6	NS	1460

designates entries made by IANR.

South Central Irrigated Corn Hybrid Tests. 1988 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct
2 YEAR AVERAGE					
CARGILL	7997	210	20.0	5	0
PIONEER	3162	210	21.9	4	0
PIONEER	3245	202	19.9	2	1
OHLDE	371	197	20.8	8	1
BO-JAC	642	196	20.5	9	1
DEKALB PLANT GEN	DK646	195	19.5	7	1
PIONEER	3379 ##	193	18.6	3	0
PAYCO	920	191	20.1	1	0
CROW'S	488	191	18.1	21	1
HAWKEYE	SX61	190	21.5	10	1
OHLDE	360	190	20.9	4	0
WILSON	1890	190	21.1	5	1
NORTHRUP KING	N 6330	189	17.9	8	0
SUPERIOR	SP 7291	189	20.4	6	0
RENZE	6412	189	19.6	7	1
RENZE	6410	188	21.5	4	0
NOBLE BEAR	NB 2562	187	20.2	7	1
CROW'S	449	186	18.1	2	0
NOBLE BEAR	NB 693	185	20.3	1	1
AGRIGENE	AG 7550	185	20.2	16	0
HOEGEMEYER	2680 ##	184	20.1	5	1
JACQUES	7970	183	20.8	10	0
JACQUES	8210	183	20.4	15	1
TRIUMPH	1270	183	18.1	4	0
PAYCO	829	181	17.8	6	1
NORTHRUP KING	S 7751 ##	181	20.4	7	1
STINE	1180	179	20.7	11	0
AGRIGENE	AG 7720	179	20.5	14	0
DEKALB PLANT GEN	DK636 ##	178	19.7	8	0
OHLDE	359	178	20.9	8	0
RENZE	6520	177	20.9	10	0
NORTHRUP KING	N 7768	175	20.6	17	1
SUPERIOR	SP 7290	175	21.1	11	0
NORTHRUP KING	CO8625	171	19.5	9	2
-----	NEBR. 611	170	18.2	18	1
HORIZON	9118	169	20.5	8	1
ORO	190	164	21.2	15	1
AVERAGE ALL ENTRIES		185	20.0	8	1
DIF. REQ. FOR SIG.					
	5%	10	0.4	4	1
	25%	6	0.2	3	1

Continued on next page

South Central Irrigated Corn Hybrid Tests. 1988 – 1992. Page 2.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct
3 YEAR AVERAGE					
PIONEER	3162	198	21.4	4	0
OHLDE	371	190	20.6	7	1
RENZE	6412	183	19.2	5	1
WILSON	1890	183	21.0	3	1
CROW'S	488	181	17.5	16	1
JACQUES	8210	181	20.2	11	1
CROW'S	449	180	18.0	2	0
NOBLE BEAR	NB 2562	180	19.8	6	1
PIONEER	3379 ##	180	18.2	2	0
HAWKEYE	SX61	179	20.8	8	1
OHLDE	359	178	20.4	6	1
NORTHRUP KING	N 6330	177	17.8	7	1
HOEGEMEYER	2680 ##	177	19.7	4	1
TRIUMPH	1270	177	18.0	3	1
AGRIGENE	AG 7720	176	20.4	10	1
SUPERIOR	SP 7290	176	20.5	8	0
RENZE	6520	174	20.7	8	0
NORTHRUP KING	S 7751 ##	172	19.9	5	1
HORIZON	9118	168	20.4	6	1
DEKALB PLANT GEN	DK636 ##	168	19.3	6	0
NORTHRUP KING	CO8625	166	19.4	7	2
ORO	190	166	20.8	11	1
-----	NEBR. 611	163	17.8	14	1
AVERAGE ALL ENTRIES		177	19.6	6.9	0.7
DIF. REQ. FOR SIG.					
	5%	7	0.3	2.7	0.4
	25%	4	0.2	1.6	0.2
4 YEAR AVERAGE					
JACQUES	8210	185	19.8	11	1
WILSON	1890	183	20.5	3	1
RENZE	6412	181	18.6	5	1
OHLDE	359	180	19.8	6	1
CROW'S	488	180	17.2	16	1
PIONEER	3379 ##	180	17.8	2	0
AGRIGENE	AG 7720	179	20.0	10	1
SUPERIOR	SP 7290	178	20.1	8	0
NORTHRUP KING	S 7751 ##	173	19.3	5	1
DEKALB PLANT GEN	DK636 ##	170	18.8	6	0
NORTHRUP KING	CO8625	166	18.9	7	2
-----	NEBR. 611	158	17.4	14	1
AVERAGE ALL ENTRIES		176	19.0	7.9	0.8
DIF. REQ. FOR SIG.					
	5%	5	0.3	2.7	0.4
	25%	3	0.2	1.5	0.2
Continued on next page.					

South Central Irrigated Corn Hybrid Tests. 1988 – 1992. Page 3.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct
5 YEAR AVERAGE					
JACQUES	8210	189	19.2	11	1
CROW'S	488	182	16.7	16	1
PIONEER	3379 ##	181	17.1	2	0
AGRIGENE	AG 7720	180	19.3	10	1
NORTHRUP KING	S 7751 ##	177	18.7	5	1
DEKALB PLANT GEN	DK636 ##	168	18.2	6	0
-----	NEBR. 611	160	16.8	14	1
AVERAGE ALL ENTRIES		177	18.0	9.3	0.7
DIF. REQ. FOR SIG.					
	5%	5	0.2	2.9	0.3
	25%	3	0.1	1.6	0.2

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Dixon County Dryland Corn Hybrid Test – 1992

Brand	Hybrid	Grain Yield BU/A	Grain Moisture %	Broken Plants %	Dropped Ears %	Plants per Acre
JACQUES	6970	148 **	23.4	1	0	15070
RENZE	6224	144 *	24.1	3	0	15780
CARGILL	7697	141 *	27.0	1	0	14690
SANDS OF IOWA	SOI 9081	139 *	24.7	2	0	15240
MCCURDY	5888	139 *	24.8	2	0	15240
TERRA	TR600E	136 *	23.9	1	0	14620
HORIZON	7878	134 *	26.7	4	0	15630
KRUGER	K9308	134 *	24.8	1	0	15630
M/W GENETICS	G7786	134 *	24.6	3	0	15710
PIONEER	3299	131	24.9	4	0	15240
TERRA	TR1125	131	24.2	4	0	15390
SEXAUER	SX 777	131	25.5	13	0	15320
AGRIGENE	AG 7550	131	26.1	1	0	15530
NC+	4799	130	23.7	2	0	15240
KRUGER	K8111A	130	25.9	6	0	16200
PIONEER	3563	129	24.0	0	0	15630
PIONEER	3417	128	23.7	0	0	15710
NC+	4275	128	23.3	6	0	15390
RENZE	6338	128	25.4	4	0	15710
JACQUES	7970	128	27.0	0	0	16010
ICI SEEDS	8543	127	25.7	4	0	15080
CURRY	2176	126	25.6	3	0	14830
GOLDEN HARVEST	H-2544	125	27.6	1	0	15550
NORTHRUP KING	N 6560	125	24.6	1	0	14990
SUPERIOR	SP 6223	125	26.7	1	0	15630
SUPERIOR	SP 7290	123	27.3	2	0	16020
CIBA-GEIGY	4450	123	26.6	4	0	15940
TERRA	TR1090	123	23.4	2	0	15550
CARGILL	7997	122	27.8	2	0	15390
JACOBSEN	JS77	122	25.6	0	0	15470
SEXAUER	SX 750	121	25.3	6	5	15460
DEKALB PLANT GEN	DK554	121	23.8	1	0	15160
SANDS OF IOWA	SOI 905M	121	23.8	3	0	16020
HORIZON	7115	121	24.3	3	0	14440
KELTGEN	2685	121	24.0	0	0	15860
PIONEER	3398	120	24.2	0	0	15160
OTILIE	2446	120	27.4	3	0	15160
NC+	5717	119	27.9	2	0	15170
FONTANELLE	4232	119	26.0	1	0	15240
KELTGEN	2692	119	25.1	2	0	14850
RENZE	6394	118	25.8	2	0	15780
KRUGER	K9315B	118	25.3	0	0	15630

Continued on next page.

Dixon County Dryland Corn Hybrid Test – 1992.

Page 2.

Brand	Hybrid	Grain Yield BU/A	Grain Moisture %	Broken Plants %	Dropped Ears %	Plants per Acre	
CARGILL	5877	117	24.5	1	0	15240	
PAYCO	802	117	23.9	0	0	16020	
WILSON	E4332	116	23.0	0	0	16330	
PAYCO	909	116	25.0	2	0	15710	
RENZE	6354	116	25.3	0	0	16110	
ASGROW	RX711	115	25.0	0	0	15550	
TERRA	TR1101	115	26.8	0	0	15860	
DAHLGREN	DC541	114	25.0	4	1	15240	
KRUGER	K9114	114	26.8	4	0	14150	
OTTILIE	2465	114	26.3	3	0	14770	
MCCURDY	6222	114	24.7	3	0	13920	
SANDS OF IOWA	SOI 9061	113	26.0	0	0	15940	
NORTHRUP KING	N 6330	112	25.5	7	0	15550	
CARGILL	7177	112	25.8	6	0	14850	
SUPERIOR	SP 6113	112	25.5	1	0	16100	
-----	NEBR. 611	110	26.9	15	0	14310	
CURRY	4458	105	23.9	2	0	15240	
SEXAUER	SX 720	105	24.4	1	0	15780	
SUPERIOR	SP 4993	104	24.4	1	0	16020	
Average all entries		123	25.2	2	0	15410	
Dif. Req. for Sig.		5%	16	2.3	5	1	NS
		25%	9	1.3	3	1	770

Northeast Dryland Corn Hybrid Tests 1988 – 1992

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct
2 YEAR AVERAGE				
CARGILL	7697	124	27.0	1
CURRY	2176	120	25.6	2
NC+	4275	120	23.3	3
JACQUES	7970	117	27.0	0
CIBA	4450	115	26.6	2
PIONEER	3417	115	23.7	0
TERRA	TR1125	113	24.2	2
CARGILL	5877	113	24.5	1
NC+	5717	113	27.9	2
CARGILL	7997	113	27.8	1
HORIZON	7115	112	24.3	2
MCCURDY	6222	112	24.7	2
PIONEER	3398	112	24.2	0
KRUGER	K9114	109	26.8	3
KRUGER	K8111A	107	25.9	3
TERRA	TR1090	106	23.4	1
RENZE	6338	106	25.4	2
NORTHRUP KING	N 6560	105	24.6	1
-----	NEBR. 611	101	26.9	8
NORTHRUP KING	N 6330	101	25.5	4
AVERAGE ALL ENTRIES		111	25.5	1.8
DIF. REQ. FOR SIG. 5%		9	NS	2.5
25%		5	NS	1.4
3 YEAR AVERAGE				
CIBA	4450	109	20.4	2
KRUGER	K8111A	106	19.8	2
PIONEER	3417	101	18.4	0
TERRA	TR1125	100	19.2	1
MCCURDY	6222	99	19.1	1
NORTHRUP KING	N 6560	98	19.2	0
RENZE	6338	96	19.6	1
TERRA	TR1090	94	18.5	1
NORTHRUP KING	N 6330	91	19.6	2
-----	NEBR. 611	89	20.6	5
AVERAGE ALL ENTRIES		98	19.4	1.7
DIF. REQ. FOR SIG. 5%		8	0.6	2
25%		5	0.3	1.2
Continued on next page.				

Northeast Dryland Corn Hybrid Tests 1988 – 1992. Page 2.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct
4 YEAR AVERAGE				
NORTHRUP KING	N 6560	99	19.7	1
KRUGER	K8111A	98	20.6	2
TERRA	TR1125	92	20.1	1
RENZE	6338	87	21.2	2
-----	NEBR. 611	80	21.8	6
AVERAGE ALL ENTRIES		91	20.7	2.3
DIF. REQ. FOR SIG. 5%		9	0.6	1.9
25%		5	0.4	1.1
5 YEAR AVERAGE				
KRUGER	K8111A	93	19.6	2
TERRA	TR1125	89	19.3	1
-----	NEBR. 611	79	20.7	5
AVERAGE ALL ENTRIES		87	19.9	2.6
DIF. REQ. FOR SIG. 5%		7	0.5	1.7
25%		4	0.3	1

Antelope County Irrigated Corn Hybrid Test 1992

Brand	Hybird	Grain Yield bu/a	Broken Plants %	Dropped Ears %	Plants Per Acre
CARGILL	7697	229 **	2	0	20940
KELTGEN	2692	216 *	1	0	20160
CARGILL	7997	213 *	2	0	19910
CURRY	2176	212 *	0	0	20780
LEGEND	9315	211 *	0	0	19440
CARGILL	7877	208 *	32	0	21500
SUPERIOR	SP 6113	206 *	2	0	19980
PIONEER	3417	203	0	0	20530
RENZE	6410	201	8	0	20740
KRUGER	K9315B	201	2	0	20990
ASGROW	RX707	201	7	0	19360
GOLDEN HARVEST	H-2544	201	2	0	20360
HORIZON	9110	200	2	0	20630
HYPERFORMER	HS 9484	198	1	0	20370
KALTENBERG	K7003	198	1	0	19950
HORIZON	7115	197	2	0	20600
SUPERIOR	SP 5592	197	1	0	20140
NC+	4275	196	1	0	19810
OHLDE	210	195	2	0	20010
KRUGER	K9308	194	2	0	19550
AGRIGENE	AG 7550	194	5	0	21530
DEKALB PLANT GEN	DK564	193	2	0	20250
NC+	5963	191	1	0	19980
ICI SEEDS	8513	190	2	0	20060
LEGEND	9112	190	2	0	20300
TERRA	TR1090	190	3	0	21230
OTILIE	2433	190	4	0	20960
OTILIE	2445	190	2	0	20630
M/W GENETICS	EX 3051	189	4	0	21070
LEGEND	9313	189	2	1	18970
KALTENBERG	K7109	189	1	0	19520
HORIZON	7878	188	1	0	20600
CROW'S	667	188	2	0	20370
DEKALB PLANT GEN	DK623	188	5	0	19490
-----	NEBR. 611	188	7	0	20640
TERRA	TR1101	188	7	0	20700
CIBA-GEIGY	4472	187	2	0	20680
CURRY	2142	187	5	0	20530
KRUGER	K9215	187	0	0	21590
JACOBSEN	JS58A	186	1	0	19660
OTILIE	2446	186	2	0	20440
TERRA	TR1125	186	4	0	20400

Continued on next page.

Antelope County Irrigated Corn Hybrid Test 1992. Page 2.

Brand	Hybird	Grain Yield bu/a	Broken Plants %	Dropped Ears %	Plants Per Acre	
OHLDE	280	186	3	0	20440	
SEXAUER	SX 777	185	5	0	20110	
M/W GENETICS	G8460	185	2	0	20880	
CURRY	2165	184	0	0	21530	
PIONEER	3398	183	1	0	20190	
MCCURDY	6222	183	3	0	20370	
SUPERIOR	SP 5448	182	1	0	24180	
SUPERIOR	SP 6223	182	5	0	20140	
SEXAUER	SX 678	182	1	0	20670	
PAYCO	829	182	2	0	20090	
CARGILL	4327	182	5	0	21670	
PAYCO	811	182	2	0	20470	
HYPERFORMER	HS 9490	181	0	0	21170	
CROW'S	488	181	21	0	20040	
CIBA-GEIGY	4372	181	3	0	20410	
DAHLGREN	D5129	181	5	0	20530	
GOLDEN HARVEST	H-2493	180	2	0	19670	
WILSON	E4332	179	1	0	20550	
KELTGEN	2760	179	3	0	20510	
OTILIE	2442	179	1	0	20700	
RENZE	6220	178	1	0	20330	
OHLDE	X206	178	1	0	20370	
NORTHRUP KING	N 6330	177	3	0	20680	
NC+	5717	177	2	0	21510	
KRUGER	K9114	177	0	0	19810	
PIONEER	3563	174	1	0	20980	
LEGEND	8205	173	0	0	19050	
ASGROW	RX653	173	10	0	21420	
HYPERFORMER	HS 9388	173	4	0	20210	
NORTHRUP KING	N 4428	172	3	0	19860	
RENZE	6224	172	4	1	21610	
NORTHRUP KING	N 4242	172	3	0	19860	
TERRA	TR600E	171	3	0	20070	
NORTHRUP KING	N 6560	171	2	0	19500	
MCCURDY	5888	171	6	0	20140	
CROW'S	498	171	3	0	20060	
FONTANELLE	1339	169	2	0	19380	
RENZE	6394	169	4	0	22420	
KALTENBERG	K7201	169	1	0	20720	
PAYCO	841	167	2	0	20970	
PAYCO	802	167	1	0	20710	
STINE	1115	166	0	0	20570	
WILSON	1540	163	4	0	18900	
CURRY	4411	161	2	0	20140	
Average all entries		186	3	0	20460	
Dif. Req. for Sig.		5%	24	6	0.5	NS
		25%	14	3	0.3	NS

Northeast Irrigated Corn Hybrid Tests. 1988 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct
2 YEAR AVERAGE					
CARGILL	7997	211	15.5	2	1
CARGILL	7697	210	15.5	3	0
RENZE	6410	198	15.5	5	1
PIONEER	3417	193	15.5	1	0
CURRY	2176	191	15.5	1	1
KRUGER	K9215	191	15.5	1	0
KRUGER	K9114	190	15.5	0	1
HYPERFORMER	HS 9484	190	15.5	2	0
-----	NEBR. 611	187	15.5	7	1
TERRA	TR1090	187	15.5	3	1
OHLDE	210	186	15.5	2	0
NORTHRUP KING	N 6330	186	15.5	2	1
NC+	4275	186	15.5	2	1
PIONEER	3398	185	15.5	1	1
NC+	5717	185	15.5	3	1
CIBA	4472	184	15.5	2	0
HORIZON	9110	181	15.5	2	0
SUPERIOR	SP 5448	179	15.5	1	0
CROW'S	488	179	15.5	13	1
CURRY	2165	179	15.5	1	1
PAYCO	829	179	15.5	2	1
HORIZON	7115	178	15.5	3	0
MCCURDY	6222	177	15.5	3	1
TERRA	TR1125	173	15.5	3	1
CROW'S	498	173	15.5	3	0
NORTHRUP KING	N 6560	170	15.5	2	1
KALTENBERG	K7201	167	15.5	1	0
AVERAGE ALL ENTRIES		185	15.5	2.4	0.4
DIF. REQ. FOR SIG. 5%		12	NS	2.4	0.6
25%		7	NS	1.3	0.3

Continued on next page.

Northeast Irrigated Corn Hybrid Tests. 1988 – 1992. Page 2.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct
3 YEAR AVERAGE					
SUPERIOR	SP 5448	182	17.2	1	3
PIONEER	3417	181	17.0	0	1
NORTHRUP KING	N 6330	179	17.5	1	2
MCCURDY	6222	177	17.4	2	2
TERRA	TR1125	177	17.1	2	2
TERRA	TR1090	177	18.1	2	2
CROW'S	488	175	18.0	9	4
CROW'S	498	175	18.0	2	2
-----	NEBR. 611	174	18.1	5	5
NORTHRUP KING	N 6560	171	17.8	1	1
AVERAGE ALL ENTRIES		177	17.6	2.4	2.5
DIF. REQ. FOR SIG. 5%		NS	0.5	2.7	1.5
25%		6	0.3	1.6	0.9
4 YEAR AVERAGE					
SUPERIOR	SP 5448	183	16.9	1	3
CROW'S	488	178	17.5	8	3
TERRA	TR1125	176	17.5	1	2
NORTHRUP KING	N 6560	174	17.6	2	1
-----	NEBR. 611	168	17.8	5	4
AVERAGE ALL ENTRIES		176	17.4	3.3	2.5
DIF. REQ. FOR SIG. 5%		NS	0.6	NS	1.4
25%		NS	0.3	1.7	0.8
5 YEAR AVERAGE					
CROW'S	488	187	17.5	6	3
SUPERIOR	SP 5448	181	17.1	1	2
TERRA	TR1125	178	17.7	1	1
-----	NEBR. 611	175	17.7	4	3
AVERAGE ALL ENTRIES		180	17.5	3.3	2.4
DIF. REQ. FOR SIG. 5%		NS	0.5	NS	1
25%		NS	0.3	1.5	0.6

West Central Irrigated Corn Hybrid Tests

Lincoln and Dundy Counties – 1992

Brand	Hybrid	Average bu/a	Lincoln bu/a	Dundy bu/a	Moisture %	Broken %	Dropped %
GOLDEN HARVEST	H-2544	218 **	247 *	188 **	23.1	1	1
CROW'S	667	210 *	251 **	168 *	25.0	1	0
CROW'S	488	199 *	230 *	167 *	21.9	2	0
BO-JAC	5397	198 *	246 *	150	24.7	1	0
BO-JAC	5218	195 *	230 *	160	22.7	1	1
AGRIGENE	AG 5950	193 *	218	168 *	22.3	2	0
MCCURDY	7372	193 *	226 *	160	27.0	1	0
ASGROW	RX802	191 *	210	171 *	25.6	1	0
CARGILL	7697	191 *	212	169 *	23.1	1	1
HORIZON	9110	190 *	222	157	21.9	1	0
SUPERIOR	SP 5353	189 *	211	167 *	21.9	1	0
NORTHRUP KING	N 6330	189 *	223	154	22.7	1	0
BO-JAC	7195	189 *	205	173 *	28.8	0	1
SUPERIOR	SP 6113	188 *	231 *	144	25.6	1	1
SUPERIOR	SP 5448	188 *	219	156	22.6	1	0
CARGILL	6227	187 *	224	149	23.0	1	0
HOEGEMEYER	2628	186 *	221	151	23.2	1	1
HOEGEMEYER	2681	185 *	222	148	25.7	1	0
GARRISON SG	SG-8515	184 *	206	162	26.1	1	1
L.HERRIED	8909	184 *	212	156	23.5	1	0
BO-JAC	520	184 *	210	157	21.7	1	1
GOLDEN HARVEST	H-2493	183 *	211	155	21.0	1	1
DEKALB PLANT GEN	DK623	182	215	148	22.2	2	0
GARRISON SG	SG-8521	181	231 *	130	26.5	0	0
OTILIE	2445	181	212	150	22.6	1	0
OTILIE	2480	178	224	131	26.5	1	0
GERMAIN'S	GC94018	176	195	156	23.2	1	0
-----	NEBR. 611	175	213	137	24.3	3	0
CARGILL	5327	173	192	153	21.6	1	0
CROW'S	498	169	195	143	23.1	2	0
GERMAIN'S	06001	168	227 *	109	23.3	2	0
MCCURDY	6222	168	197	139	22.5	1	0
JACQUES	8210	168	220	115	24.8	1	1
PAYCO	711	166	192	140	20.9	0	1
ASGROW	RX707	165	205	125	22.0	1	0
PAYCO	829	163	184	142	23.6	1	0
WILSON	1750	163	211	114	26.8	1	0
GOLDEN HARVEST	H-2485	162	202	122	21.2	1	1
PAYCO	802	160	188	131	18.8	1	1
PIONEER	3417	159	206	111	20.9	0	1

Continued on next page.

West Central Irrigated Corn Hybrid Tests

Lincoln and Dundy Counties – 1992 Page 2

Brand	Hybrid	Average bu/a	Lincoln bu/a	Dundy bu/a	Moisture %	Broken %	Dropped %
HORIZON	7878	159	227 *	90	23.3	1	0
GERMAIN'S	GC6252	158	214	101	23.8	0	0
NORTHRUP KING	N 6560	158	188	127	24.3	1	0
AGRIGENE	AG 7720	157	212	101	25.1	3	1
PAYCO	811	156	201	110	20.7	1	0
SUPERIOR	SP 5092	155	210	100	20.2	1	0
CROW'S	449	150	179	120	21.4	1	0
PIONEER	3563	147	175	119	18.6	2	0
BO-JAC	3581	146	192	100	20.4	3	0
PAYCO	841	142	197	87	23.3	1	1
L.HERRIED	9210	127	180	73	21.0	1	0
Average all entries		175	211	138	23.1	0.9	0.1
Dif. Req. for Sig.	5%	35	25	24	1.7	NS	NS
	25%	21	15	14	1.0	NS	NS

West Central Irrigated Corn Hybrid Tests 1988 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE						
MCCURDY	7372	212	21.5	2	1	60.7
BO-JAC	520	207	17.7	2	1	60.1
HORIZON	9110	203	18.0	2	1	59.7
OTILIE	2445	201	18.1	2	1	59.3
CROW'S	488	197	17.5	4	1	60.4
PAYCO	829	197	18.8	3	1	59.7
CROW'S	498	185	18.7	5	0	61.4
-----	NEBR. 611	185	19.6	2	1	57.5
NORTHRUP KING	N 6560	179	19.4	3	1	62.7
GERMAIN'S	GC6252	177	19.5	2	1	60.1
GOLDEN HARVEST	H-2485	176	17.4	2	1	58.6
CROW'S	449	168	17.7	1	1	59.9
PIONEER	3417	167	17.1	0	1	60.1
AVERAGE ALL ENTRIES		188	18.5	2.1	0.7	60.0
DIF. REQ. FOR SIG.	5%	9	0.6	1	0.4	NS
	25%	5	0.3	0.6	0.2	NS
3 YEAR AVERAGE						
BO-JAC	520	198	17.0	3	1	58.4
OTILIE	2445	191	17.2	3	1	57.7
CROW'S	488	188	16.5	5	1	58.3
NORTHRUP KING	N 6560	180	18.6	3	1	59.6
-----	NEBR. 611	174	18.9	7	1	55.1
PIONEER	3417	167	16.3	1	2	59.4
CROW'S	449	163	16.8	2	0	58.4
AVERAGE ALL ENTRIES		180	17.3	3.4	1.1	58.1
DIF. REQ. FOR SIG.	5%	7	0.3	1.7	0.4	0.7
	25%	4	0.2	1	0.3	0.4
4 YEAR AVERAGE						
CROW'S	488	182	15.5	6	1	57.3
NORTHRUP KING	N 6560	171	17.5	5	1	59.0
-----	NEBR. 611	166	17.7	7	1	54.0
CROW'S	449	160	16.2	3	0	57.1
AVERAGE ALL ENTRIES		170	16.7	4.9	0.8	56.9
DIF. REQ. FOR SIG.	5%	6	0.4	NS	0.4	0.5
	25%	4	0.2	1	0.2	0.2
5 YEAR AVERAGE						
CROW'S	488	180	16.2	5	1	57.3
-----	NEBR. 611	167	18.6	7	1	54.0
AVERAGE ALL ENTRIES		174	17.4	6.3	0.8	55.6
DIF. REQ. FOR SIG.	5%	4	0.3	NS	0.3	0.1
	25%	2	0.2	0.9	0.1	0.1

Southwest Ecofallow Corn Hybrid Test Hayes and Red Willow Counties – 1992.

Brand	Hybrid	Average BU/A	Hayes BU/A	Red Willow BU/A	Moisture %	Broken %	Dropped %	Bushel Weight
NC+	5037	111	38	184 **	35.4	1	0	53.3
CARGILL	4327	183	66	171 *	27.9	1	1	55.5
NORTHRUP KING	N 6330	176	47 *	167	32.7	1	0	54.3
PIONEER	3417	168	52 **	148	25.0	1	0	55.4
WILSON	1640	158	51 *	142	29.2	1	0	55.8
PIONEER	3398	162	66	144	28.6	0	0	55.3
DEKALB PLANT GEN	DK554	95	44	141	26.9	1	0	55.2
BO-JAC	335	91	45 *	134	23.3	0	0	58.9
HOEGEMEYER	2680	90	34	146	34.6	0	1	54.4
CARGILL	6927	88	46 *	130	30.1	1	0	54.0
NC+	5990	87	41	133	34.8	0	0	54.2
PIONEER	3394	86	48	124	26.7	1	0	55.2
ORO	083	85	48 *	121	23.8	0	0	56.1
ORO	120	85	37	133	34.4	0	0	54.7
-----	NEBR. 611	83	33	132	35.2	0	1	52.4
HOEGEMEYER	2632	83	49 *	116	30.1	0	0	55.5
Average all entries		92	44	141	29.9	0.2	0.1	55.0
Dif. Req. for Sig.		5%	NS	8	15	5.4	NS	NS
		25%	NS	5	9	3.0	NS	NS

Southwest Ecofallow Corn Hybrid Tests. 1991 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE						
WILSON	1640	76	23.7	1	1	55.2
DEKALB PLANT GEN	DK554	69	20.3	1	0	53.6
PIONEER	3398	68	21.9	1	0	55.2
-----	NEBR. 611	62	27.5	1	1	51.0
AVERAGE ALL ENTR IES		69	23.3	0.9	0.3	53.7
DIF. REQ. FOR SIG.		5%	3	1	NS	NS
		25%	1	0.5	0.3	NS

Central Irrigated Corn Hybrid Tests – 1992.

Custer and Dawson Counties

Brand	Hybrid	Average bu/a	Custer bu/a	Dawson bu/a	Moisture %	Broken %	Bushel Weight
NOBLE BEAR	NB 2562	221 **	215 **	227 **	24.1	1	54.1
CARGILL	7697	215 *	211 *	219 *	23.5	1	55.4
SUPERIOR	SP 5592	213 *	207 *	219 *	22.4	1	55.1
RENZE	6412	212 *	208 *	216 *	25.3	1	53.3
GOLDEN HARVEST	H-2544	207 *	210 *	203	23.1	1	52.5
OTTLIE	2475	207 *	205 *	209 *	23.8	1	53.1
CARGILL	4327	207 *	206 *	208 *	20.5	0	54.7
GOLDEN HARVEST	H-2493	206 *	209 *	203	21.1	1	53.4
BO-JAC	427	203 *	200 *	206 *	22.7	0	50.5
CURRY	1496	203 *	199 *	206 *	24.6	1	52.8
RENZE	6410	203 *	191 *	215 *	26.1	1	52.6
GOLDEN HARVEST	H-2485	202 *	198 *	206 *	20.6	1	54.4
CROW'S	401	202 *	188 *	215 *	21.9	1	52.7
HORIZON	9110	201 *	204 *	198	21.8	1	54.9
BO-JAC	5218	201 *	190 *	212 *	21.7	0	55.0
CURRY	2176	201 *	195 *	206 *	21.4	0	52.0
DEKALB PLANT GEN	DK646	201 *	183	219 *	25.1	2	50.9
SUPERIOR	SP 7291	200	187 *	212 *	25.6	1	52.2
SUPERIOR	SP 6113	199	199 *	199	24.8	0	52.9
NOBLE BEAR	NBX 8885	199	192 *	206 *	22.5	0	52.8
CIBA	4450	199	206 *	192	22.0	1	54.4
CURRY	2165	198	210 *	186	21.2	1	54.7
CARGILL	6227	198	201 *	195	21.9	0	54.4
CROW'S	449	198	189 *	207 *	21.7	1	55.1
BO-JAC	592	197	178	215 *	21.8	0	53.8
KELTGEN	2763	197	190 *	204	22.8	1	54.4
BO-JAC	3581	197	204 *	190	21.5	0	54.9
NC+	4616	196	190 *	202	21.6	1	54.5
RENZE	6338	195	189 *	201	22.6	0	53.9
CROW'S	498	195	196 *	194	23.0	1	54.5
NORTHRUP KING	N 6330	194	197 *	191	22.7	0	53.7
NC+	5963	194	196 *	192	24.3	1	53.5
CROW'S	667	194	185	202	23.9	1	53.9
PAYCO	829	193	193 *	193	23.3	1	53.6
PIONEER	3394	192	187 *	196	21.1	0	54.9
ICI SEEDS	8543	192	194 *	189	21.9	0	53.7
OTTLIE	2445	192	190 *	193	21.8	1	53.7
BO-JAC	520	192	188 *	196	22.2	1	54.0
CIBA	4502	191	198 *	184	22.3	1	56.4
PIONEER	3417	191	198 *	184	20.3	1	55.5
HORIZON	7878	191	179	203	22.6	2	52.7

Continued on next page.

Central Irrigated Corn Hybrid Tests – 1992.

Custer and Dawson Counties. Page 2.

Brand	Hybrid	Average bu/a	Custer bu/a	Dawson bu/a	Moisture %	Broken %	Bushel Weight
CURRY	2187	190	176	203	22.8	1	53.8
PAYCO	925	190	193 *	187	24.8	1	53.6
SUPERIOR	SP 5448	187	183	191	22.6	0	54.2
NOBLE BEAR	NB 693	186	167	204	25.2	1	53.0
CURRY	2183	186	179	193	21.9	0	53.7
ASGROW	RX623	185	183	187	19.8	1	56.4
SUPERIOR	SP 7290	185	179	191	24.9	3	53.8
CROW'S	669	185	192 *	177	25.9	1	54.3
RENZE	6520	185	183	187	25.1	3	54.5
WILSON	1750	185	180	189	23.3	1	53.8
PAYCO	802	183	191 *	175	19.0	1	55.9
PAYCO	841	183	177	189	21.6	1	55.0
MCCURDY	6222	182	173	190	21.9	1	54.2
ASGROW	RX707	179	172	185	21.2	2	53.5
NORTHRUP KING	N 6560	179	171	187	21.9	3	55.1
NOBLE BEAR	NB 814	177	156	197	25.9	1	52.6
-----	NEBR. 611	177	178	176	24.3	2	51.9
STINE	1127	176	171	181	22.7	5	54.2
KELTGEN	2686	163	168	157	21.4	2	54.1
Average all entries		194	93	198	22.7	0.7	53.8
Dif. Req. for Sig.	5%	20	29	22	1.7	NS	1.8
	25%	12	17	13	1.0	NS	1.1

Central Irrigated Corn Hybrid Tests

1990 – 1992

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Bushel weight lb/bu
2 YEAR AVERAGE					
CARGILL	7697	210	22.4	2	57.0
CURRY	1496	208	23.4	2	54.0
CURRY	2176	206	20.3	1	53.0
CARGILL	6227	206	21.5	1	55.7
BO-JAC	592	206	21.0	1	55.9
CURRY	2165	204	20.0	2	55.9
OTILIE	2445	204	21.1	1	55.3
BO-JAC	520	203	21.6	2	54.8
HORIZON	9110	203	21.3	1	55.6
SUPERIOR	SP 7291	203	24.0	2	53.3
NORTHRUP KING	N 6330	203	21.8	1	55.3
NC+	4616	202	21.3	2	55.7
PIONEER	3417	201	19.6	1	56.7
PAYCO	829	201	22.1	2	55.3
SUPERIOR	SP 7290	200	23.9	3	55.3
CIBA	4450	200	21.6	1	55.2
CURRY	2183	197	20.7	1	55.1
SUPERIOR	SP 5448	195	21.9	1	54.9
CROW'S	498	195	21.6	2	55.9
PIONEER	3394	195	20.0	1	56.4
CROW'S	449	195	20.9	1	55.8
-----	NEBR. 611	178	23.1	3	52.4
AVERAGE ALL ENTRIES		201	21.6	1.2	55.2
DIF. REQ. FOR SIG. 5%		5	0.3	0.4	0.4
25%		3	0.2	0.2	0.2
3 YEAR AVERAGE					
BO-JAC	520	203	21.1	2	55.8
CARGILL	6227	202	21.1	1	56.4
PIONEER	3417	201	19.5	3	57.3
OTILIE	2445	201	20.8	3	56.1
NORTHRUP KING	N 6330	200	21.2	3	56.0
CIBA	4450	199	21.0	2	56.1
NC+	4616	199	20.8	2	54.8
SUPERIOR	SP 5448	199	21.3	2	55.9
CROW'S	449	193	20.5	1	56.5
-----	NEBR. 611	177	22.7	6	53.0
AVERAGE ALL ENTRIES		197	21.0	2.3	55.8
DIF. REQ. FOR SIG. 5%		4	0.2	1	0.6
25%		2	0.1	0.6	0.4

Early Maturing Ecofallow Corn Hybrid Tests Lincoln & Cheyenne Counties 1992.

Brand	Hybrid	Grain Yield			Grain moisture %	Broken plants %	Dropped ears %	Bushel weight lb/bu	Plant height inches
		Average bu/a	Lincoln bu/a	Cheyenne bu/a					
KELTGEN	2550	94 **	132 **	56 *	20.6	5	1	52.9	77
PIONEER	3655	92	120 *	64 **	19.7	5	0	55.5	85
KELTGEN	2520	87	113	61 *	23.8	4	0	51.8	77
DEKALB PLANT GEN	DK485	86	112	60 *	22.4	1	0	51.9	80
CARGILL	4327	84	126 *	42	26.1	4	1	51.8	84
PIONEER	3751	83	109	57 *	18.8	1	0	54.3	80
CARGILL	3627	83	104	62 *	21.2	2	1	52.5	78
Average all entries		87	117	57	21.8	2.8	0.5	52.9	80
Dif. Req. for Sig.		5%	NS	12	4.1	NS	NS	NS	NS
		25%	NS	7	6	2.1	1.8	NS	NS

Early Maturing Ecofallow Corn Hybrid Tests. 1991 – 1992

Brand	Hybrid	Grain yield bu/a	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE					
CARGILL	3627	63	2	2	53.3
PIONEER	3751	61	1	0	54.8
AVERAGE ALL ENTRIES		62	1.3	0.8	54.0
DIF. REQ. FOR SIG. 5%		2	NS	NS	NS
25%		1	NS	NS	0.1

Southwest Irrigated Corn Hybrid Tests – 1992.

Furnas and Red Willow Counties.

Brand	Hybrid	Average bu/a	Furnas bu/a	Red Willow bu/a	Moisture %	Broken %	Drop %	Weight Bushel
SUPERIOR	SP 7291	255 **	247 *	262 *	22.2	1	0	51.7
WILSON	1760	253 *	227	278 **	22.5	0	0	53.3
BO-JAC	7195	253 *	236 *	270 *	23.9	1	0	52.1
BO-JAC	642	252 *	240 *	263 *	21.7	1	0	53.9
OTILIE	2475	250 *	236 *	264 *	21.8	1	0	53.6
KELTGEN	2868	247 *	238 *	256 *	24.1	1	0	51.9
ASGROW	RX899	247 *	261 **	233	24.3	1	0	52.6
CARGILL	7997	244 *	244 *	243	21.4	1	0	54.3
BO-JAC	629	244 *	261 **	226	23.3	1	0	52.4
SUPERIOR	SP 5592	243 *	220	265 *	20.9	0	0	52.6
L.HERRIED	8917	242 *	233 *	250	22.9	1	0	52.3
AGRIGENE	AG 7885	241 *	245 *	237	23.1	1	1	52.9
GARRISON SG	SG-8521	241 *	231	251	23.3	1	0	53.1
CARGILL	7697	240 *	232 *	248	20.3	1	0	55.3
NC+	6485	238 *	237 *	238	23.0	0	0	52.3
HYPERFORMER	HS 9843	237 *	250 *	223	24.4	1	0	52.3
CROW'S	670	237 *	224	249	24.3	1	0	51.0
PIONEER	3245	235 *	233 *	236	22.2	0	0	55.3
HORIZON	8115	231 *	223	239	22.5	1	0	53.1
PIONEER	3162	231 *	207	254	25.0	1	0	52.8
TRIUMPH	1595	231 *	221	241	22.7	1	0	52.8
ASGROW	RX802	231 *	231	230	21.6	1	0	54.0
DEKALB PLANT GEN	DK646	230 *	229	231	21.6	1	0	52.5
SUPERIOR	SP 6113	227 *	216	237	21.3	0	0	54.3
L.HERRIED	8310	227 *	210	244	22.1	1	0	53.6
CROW'S	669	227 *	212	242	24.0	0	0	54.0
GARRISON SG	SG-8515	227 *	208	246	23.2	0	0	53.0
PAYCO	925	227 *	210	243	22.5	1	0	53.8
HOEGEMEYER	2680	226	217	235	23.4	0	0	52.6
WILSON	1750	226	207	244	22.3	1	0	54.3
HOEGEMEYER	2701	225	205	244	22.6	0	0	53.4
CROW'S	667	222	217	226	22.5	1	0	53.0
PRAIRIE STREAM	SX2051	221	214	227	22.4	1	0	54.0
HYPERFORMER	HS 9502	221	211	231	21.4	0	0	53.1
HYPERFORMER	HS 9484	218	201	234	18.7	1	0	54.1
NC+	5963	218	199	237	23.3	1	0	52.1
NORTHRUP KING	CO8625	218	199	236	23.2	2	0	52.9
BO-JAC	8176	217	202	231	23.2	1	0	53.0
HORIZON	7878	217	209	224	19.0	1	0	52.3
PIONEER	3417	215	209	221	18.6	0	0	54.5
ORO	EXP 1008	215	199	231	24.7	2	0	51.5
CARGILL	6227	215	198	232	20.0	0	0	53.7

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Southwest Irrigated Corn Hybrid Tests – 1992.

Furnas and Red Willow Counties. Page 2.

Brand	Hybrid	Average bu/a	Furnas bu/a	Red Willow bu/a	Moistur %	Brokn %	Dropd %	Bushel Weight
PRAIRIE STREAM	SX556	214	222	205	23.6	0	0	53.1
KELTGEN	2763	213	193	233	21.1	0	0	53.8
OTILIE	2445	212	195	228	20.0	1	0	55.0
NORTHRUP KING	N 6330	211	184	237	19.6	1	0	54.0
BO-JAC	5397	206	180	231	21.3	0	0	53.2
-----	NEBR. 611	205	196	213	22.0	2	0	51.8
SUPERIOR	SP 7290	201	191	211	22.2	2	0	54.3
GROWERS BRAND	GSC 4192	201	182	219	22.1	1	0	54.3
AGRIGENE	AG 7720	200	189	210	22.6	1	0	53.7
PAYCO	920	200	178	221	24.2	0	0	52.0
JACQUES	8210	199	180	218	21.9	2	0	53.8
L.HERRIED	8915	198	167	228	18.9	0	0	54.0
NORTHRUP KING	N 7768	198	189	206	22.1	0	0	54.6
PRAIRIE STREAM	SX726	197	174	219	26.2	1	0	51.0
JACQUES	7970	197	198	195	21.3	1	0	53.9
PIONEER	3394	196	177	215	18.9	0	0	54.5
ORO	190	195	177	212	22.2	1	0	53.5
HOEGEMEYER	2761	195	181	208	25.3	0	0	51.2
HORIZON	9118	193	183	202	22.3	1	0	53.9
MCCURDY	7477	188	173	202	22.3	1	0	53.1
GROWERS BRAND	GSC 4176	180	172	187	22.1	1	0	53.1
Average all entries		221	210	233	22.2	0.5	0.02	53.2
Dif. Req for Sig. 5%		28	29	23	1.7	NS	NS	1.9
25%		16	17	13	1.0	0.5	NS	1.1

Southwest Irrigated Corn Hybrid Tests. 1989 – 1992.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE						
SUPERIOR	SP 7291	245	20.1	2	0	56.2
BO-JAC	642	242	19.7	2	0	57.3
OTILIE	2475	240	19.2	2	1	57.2
ASGROW	RX899	239	21.1	2	0	57.0
CARGILL	7997	232	19.2	2	0	58.0
PIONEER	3245	230	19.4	1	1	58.9
CARGILL	7697	228	18.3	2	0	58.6
HORIZON	8115	227	19.5	2	1	57.9
CROW'S	670	224	20.6	2	1	56.1
NORTHRUP KING	CO8625	223	20.0	2	0	57.7
PIONEER	3162	223	21.5	2	0	57.0
TRIUMPH	1595	223	19.9	1	0	57.4
CROW'S	669	222	21.2	1	0	57.4
DEKALB PLANT GEN	DK646	220	18.7	2	0	56.4
PIONEER	3417	212	17.1	1	0	57.0
JACQUES	8210	211	19.8	2	0	57.7
GARRISON SG	SG-8515	210	20.1	1	0	57.3
AGRIGENE	AG 7720	209	20.1	1	0	57.4
PRAIRIE STREAM	SX726	209	22.1	1	1	55.9
SUPERIOR	SP 7290	208	20.1	2	0	57.6
PAYCO	920	207	20.5	1	0	56.7
HORIZON	9118	204	20.0	1	0	57.7
NORTHRUP KING	N 7768	204	19.9	2	0	57.7
PIONEER	3394	201	17.0	1	0	57.7
-----	NEBR. 611	200	19.3	4	1	55.4
ORO	190	199	20.0	1	0	57.6
AVERAGE ALL ENTRIES		218	19.8	1.4	0.1	57.2
DIF. REQ. FOR SIG.		5%	NS	0.6	0.2	0.6
		25%	5	0.3	0.1	0.4

3 YEAR AVERAGE						
SUPERIOR	SP 7291	249	19.7	2	0	57.4
HORIZON	8115	229	19.3	2	1	58.9
CROW'S	670	228	20.0	2	1	57.3
TRIUMPH	1595	228	19.7	1	0	58.3
NORTHRUP KING	CO8625	223	19.6	2	0	58.8
PIONEER	3162	223	21.3	2	0	58.4

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Southwest Irrigated Corn Hybrid Tests. 1989 – 1992. Page 2.

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
3 YEAR AVERAGE (CONTINUED)						
JACQUES	8210	216	19.5	2	0	58.4
SUPERIOR	SP 7290	214	20.0	2	0	58.7
PRAIRIE STREAM	SX726	214	21.1	1	1	56.7
HORIZON	9118	208	19.9	1	0	58.3
-----	NEBR. 611	193	18.8	4	1	56.5
AVERAGE ALL ENTRIES		220	19.9	1.7	0.2	58.0
DIF. REQ. FOR SIG.	5%	NS	0.5	NS	0.2	0.4
	25%	3.9	0.3	0.4	0.1	0.2
4 YEAR AVERAGE						
TRIUMPH	1595	216	18.3	1	0	59.3
NORTHROP KING	CO8625	215	18.4	2	0	59.5
JACQUES	8210	211	18.7	2	0	59.1
PRAIRIE STREAM	SX726	207	19.7	1	1	58.0
SUPERIOR	SP 7290	207	18.9	1	0	59.4
-----	NEBR. 611	185	17.6	3	1	57.4
AVERAGE ALL ENTRIES		207	18.6	0.3	1.8	58.8
DIF. REQ. FOR SIG.	5%	6	0.4	NS	NS	0.4
	25%	3	0.3	0.1	NS	0.2

North Central Irrigated Corn Hybrid Tests. Brown County. Furrow and Pivot Irrigated. 1992.

Brand	Hybrid	Average bu/a	Furrow bu/a	Pivot bu/a	Moisture %	Broken %	Bushel Weight
CURRY	2165	176 **	191 **	160 *	19.3	1	53.0
SUPERIOR	SP 5092	172 *	168	175 **	20.0	1	52.9
WILSON	E4332	171 *	180 *	161 *	19.1	1	52.8
CIBA	4393	166 *	167	164 *	20.4	1	51.4
DEKALB PLANT GEN	DK564	166 *	165	167 *	19.5	1	50.6
GOLDEN HARVEST	H-2390	164 *	166	161 *	18.8	1	52.7
NC+	4275	164 *	173	154	21.2	2	51.2
JACQUES	7770	163 *	166	159 *	22.5	2	51.7
CARGILL	4327	163 *	175	151	19.4	3	52.9
RENZE	6220	163 *	172	153	20.0	1	51.8
CIBA	4372	162 *	172	151	19.3	1	52.5
RENZE	6224	162 *	166	157	17.9	4	54.9
NORTHRUP KING	N 6560	161	165	156	22.0	1	52.9
OTILIE	2445	161	165	157	22.0	1	51.5
SUPERIOR	SP 4993	161	160	161 *	18.6	1	54.7
ASGROW	RX707	160	164	156	21.1	2	49.3
OTILIE	2442	160	168	151	20.4	0	52.3
RENZE	6338	160	163	156	23.2	1	50.5
PAYCO	711	160	168	152	21.8	1	52.9
CARGILL	5327	160	171	149	19.2	1	52.1
OTILIE	2438	159	166	151	21.6	1	48.0
ASGROW	RX623	159	172	145	19.5	1	52.5
CURRY	2142	158	166	149	18.2	6	54.7
SUPERIOR	SP 4692	157	162	152	18.4	4	54.1
CURRY	2176	155	168	142	20.8	1	49.4
NORTHRUP KING	N 4242	154	168	140	17.1	1	55.2
KELTGEN	2550	153	164	141	16.7	1	52.3
HORIZON	5151	152	162	141	20.1	0	51.4
JACQUES	6970	152	163	140	18.6	3	52.1
KELTGEN	2686	152	161	143	20.0	1	53.6
SUPERIOR	SP 5463	151	158	143	22.4	1	51.5
SUPERIOR	SP 5448	151	155	146	22.6	1	50.9
HORIZON	9110	150	150	150	23.3	1	50.1
AGRIGENE	AG 5480	150	157	143	17.6	1	55.6
CURRY	4411	148	145	151	15.7	3	53.7
PAYCO	811	148	154	142	20.8	2	51.1
KELTGEN	2692	146	147	144	23.0	0	47.8
PAYCO	802	140	147	132	18.6	3	52.0
NC+	1991	135	145	125	16.6	1	53.4
Average all entries		158	164	151	19.9	1.2	52.2
Dif. Req. for Sig.		5%	14	13	2.0	2.2	NS
		25%	8	8	1.1	1.3	NS

North Central Irrigated Corn Hybrid Tests 1989 – 1992

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE						
CURRY	2165	186	19.4	1	0	55.2
OTILIE	2445	181	21.4	2	0	54.1
SUPERIOR	SP 5092	180	20.0	2	0	55.4
CARGILL	4327	177	19.3	3	1	55.7
CIBA	4393	176	19.9	1	0	55.0
RENZE	6338	175	21.9	1	0	54.2
NC+	4275	174	20.6	2	1	53.6
SUPERIOR	SP 4692	173	19.5	3	0	56.3
NORTHRUP KING	N 6560	172	21.6	2	0	55.3
SUPERIOR	SP 5448	172	21.7	2	0	54.4
GOLDEN HARVEST	H-2390	169	18.9	1	0	55.1
CARGILL	5327	168	19.6	1	1	55.2
HORIZON	5151	162	20.0	1	1	54.6
AVERAGE ALL ENTRIES		174	20.2	1.5	0.2	54.9
DIF. REQ. FOR SIG.	5%	5	NS	NS	0.2	0.6
	25%	3	0.4	NS	0.1	0.3
3 YEAR AVERAGE						
OTILIE	2445	184	23.3	2	0	54.1
SUPERIOR	SP 5448	183	23.2	2	0	54.4
NC+	4275	182	22.2	2	1	53.9
RENZE	6338	181	23.4	1	0	54.4
NORTHRUP KING	N 6560	177	23.1	2	0	55.4
CARGILL	4327	170	19.8	3	1	55.5
CARGILL	5327	170	21.1	1	1	55.2
AVERAGE ALL ENTRIES		178	22.3	1.6	0.2	54.7
DIF. REQ. FOR SIG.	5%	7	0.6	NS	NS	0.3
	25%	4	0.3	NS	0.1	0.2
4 YEAR AVERAGE						
SUPERIOR	SP 5448	177	21.1	1	0	55.1
NORTHRUP KING	N 6560	174	21.4	1	0	55.9
CARGILL	4327	164	17.9	2	0	55.9
AVERAGE ALL ENTRIES		172	20.1	1.4	0.1	55.6
DIF. REQ. FOR SIG.	5%	NS	0.6	NS	NS	0.3
	25%	4	0.3	0.2	NS	0.2

West Central Ecofollow Corn Hybrid Tests. Lincoln, Custer, & Perkins Counties 1992

Brand	Hybrid	Average bu/a	Lincoln bu/a	Custer bu/a	Perkins bu/a	Moisture %	Broken %	Bushel Weight
CARGILL	4327	113	127	100	112 *	25.3	1	52.7
KELTGEN	2692	111	118	124 **	91	24.0	0	51.2
WILSON	1640	111	122	104 *	108 *	23.5	2	55.5
DEKALB PLANT GEN	DK554	108	118	105 *	100	24.4	1	51.1
CARGILL	6927	106	119	96	102 *	25.9	0	53.8
KELTGEN	2780	105	98	100	118 **	28.3	0	59.0
PIONEER	3475	104	147 **	90	76	25.8	0	50.9
PIONEER	3563	103	123	91	96	22.4	0	54.6
PIONEER	3417	98	128	68	99	26.2	0	49.7
-----	NEBR. 611	92	112	69	94	31.2	0	49.1
Average all entries		108	121	93	100	25.9	1	52.7
Dif. Req. for Sig.		5%	NS	12	29	16	NS	NS
		25%	NS	7	17	9	NS	NS

West Central Ecofallow Corn Hybrid Tests 1988 – 1992

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Bushel weight lb/bu
2 YEAR AVERAGE						
WILSON	1640	101	19.0	2	0	54.8
CARGILL	6927	98	20.4	0	0	54.2
PIONEER	3475	96	19.5	1	1	52.8
PIONEER	3563	96	17.3	1	1	55.6
DEKALB PLANT GEN	DK554	95	19.2	1	0	52.2
PIONEER	3417	88	19.7	0	1	52.1
-----	NEBR. 611	81	24.0	1	1	49.3
AVERAGE ALL ENTRIES		94	19.9	0.5	0.3	53.0
DIF. REQ. FOR SIG. 5%		1	0.8	NS	0.2	NS
25%		0.8	0.4	NS	0.1	0.5
3 YEAR AVERAGE						
CARGILL	6927	86	19.1	0	0	54.2
WILSON	1640	86	18.1	1	1	54.4
PIONEER	3475	82	17.6	1	4	53.9
PIONEER	3417	76	17.9	0	1	53.6
-----	NEBR. 611	70	22.6	1	2	48.8
AVERAGE ALL ENTRIES		80	19.1	0.7	1.7	53.0
DIF. REQ. FOR SIG. 5%		1	0.6	NS	1.1	NS
25%		0.7	0.3	NS	0.6	NS
4 YEAR AVERAGE						
WILSON	1640	85	17.0	1	1	55.3
PIONEER	3475	79	16.3	1	4	54.8
-----	NEBR. 611	66	20.9	7	2	49.7
AVERAGE ALL ENTRIES		77	18.0	2.8	2.2	53.2
DIF. REQ. FOR SIG. 5%		2	0.6	NS	0.9	NS
25%		0.9	0.3	NS	0.4	0.4
5 YEAR AVERAGE						
WILSON	1640	94	16.7	1	1	55.3
PIONEER	3475	84	15.7	1	3	54.8
-----	NEBR. 611	74	20.2	6	2	49.7
AVERAGE ALL ENTRIES		84	17.5	2.3	1.7	53.2
DIF. REQ. FOR SIG. 5%		2	0.5	NS	0.7	NS
25%		1	0.3	NS	0.4	0.3

West Irrigated Long Season Corn Hybrid Tests Scotts Bluff & Morrill Counties 1992.

Brand	Hybrid	Grain Yield			Grain moisture %	Bushel Weight lb/bu	Tassel Date July	Plant Height inches
		Average bu/a	Scotts Bluff bu/a	Morrill bu/a				
PIONEER	3751	192 **	207 *	176 *	16.9	56.1	107	91
COOP	2021	192 **	207 *	177 *	20.6	55.0	106	93
PIONEER	3655	190 *	209 **	171 *	19.1	56.9	108	96
DEKALB PLANT GEN	DK512	189 *	208 *	169 *	17.7	53.6	115	99
PIONEER	3723	188 *	205 *	171 *	17.2	56.0	107	98
NORTHROP KING	N 3808	187 *	204 *	169 *	17.7	54.7	103	90
PAYCO	531	185 *	191 *	179 **	18.8	54.9	113	93
CIBA	4202	182 *	200 *	163 *	17.2	55.9	105	93
CARGILL	3427	181 *	204 *	158	16.3	53.5	106	89
GOLDEN HARVEST	H-2390	180 *	191 *	169 *	21.5	54.6	107	84
L.HERRIED	9299	180 *	195 *	164 *	18.5	54.5	109	90
PAYCO	687	179 *	192 *	166 *	19.2	55.5	113	91
NC+	2190	178 *	188 *	168 *	19.7	55.0	115	87
CARGILL	3627	178 *	194 *	162 *	18.7	55.7	113	86
GOLDEN HARVEST	H-2344	176 *	207 *	144	17.3	55.5	108	88
CIBA	4172	175 *	199 *	151	16.5	55.2	102	90
KELTGEN	2550	173 *	195 *	150	18.2	54.2	110	88
NORTHROP KING	N 4242	173 *	196 *	150	18.1	55.4	106	91
MCCURDY	5222	172 *	187 *	156	21.7	55.8	115	87
WILSON	1140	172 *	176	167 *	19.2	54.7	114	92
CIBA	4282	171 *	184	157	19.0	55.0	112	91
KELTGEN	2460	170 *	194 *	145	17.1	53.4	104	89
L.HERRIED	8901	170 *	177	162 *	19.0	55.4	113	91
ICI SEEDS	8714	169	185	152	19.3	54.9	109	89
COOP	2020	169	189 *	149	18.9	55.0	116	87
NORTHROP KING	N 4350	168	192 *	143	19.0	54.6	109	91
NC+	1991	168	181	155	19.1	54.5	111	89
COOP	2141	162	166	157	22.6	55.7	106	92
ASGROW	RX497	162	188 *	135	18.9	52.9	106	84
AGRIGENE	AG 4500	161	158	164 *	24.0	53.3	111	92
COOP	2060	157	177	137	21.2	55.5	106	86
HORIZON	5055	155	174	135	19.6	54.0	110	91
HORIZON	5151	151	153	148	25.6	52.5	112	92
Average all entries		175	190	157	19.2	54.7	109	90
Dif. Req. for Sig.		5%	22	14	3.5	1.0	NS	4.7
		25%	12	8	2.0	0.6	NS	2.7

West Irrigated Corn Hybrid Tests 1989 – 1992

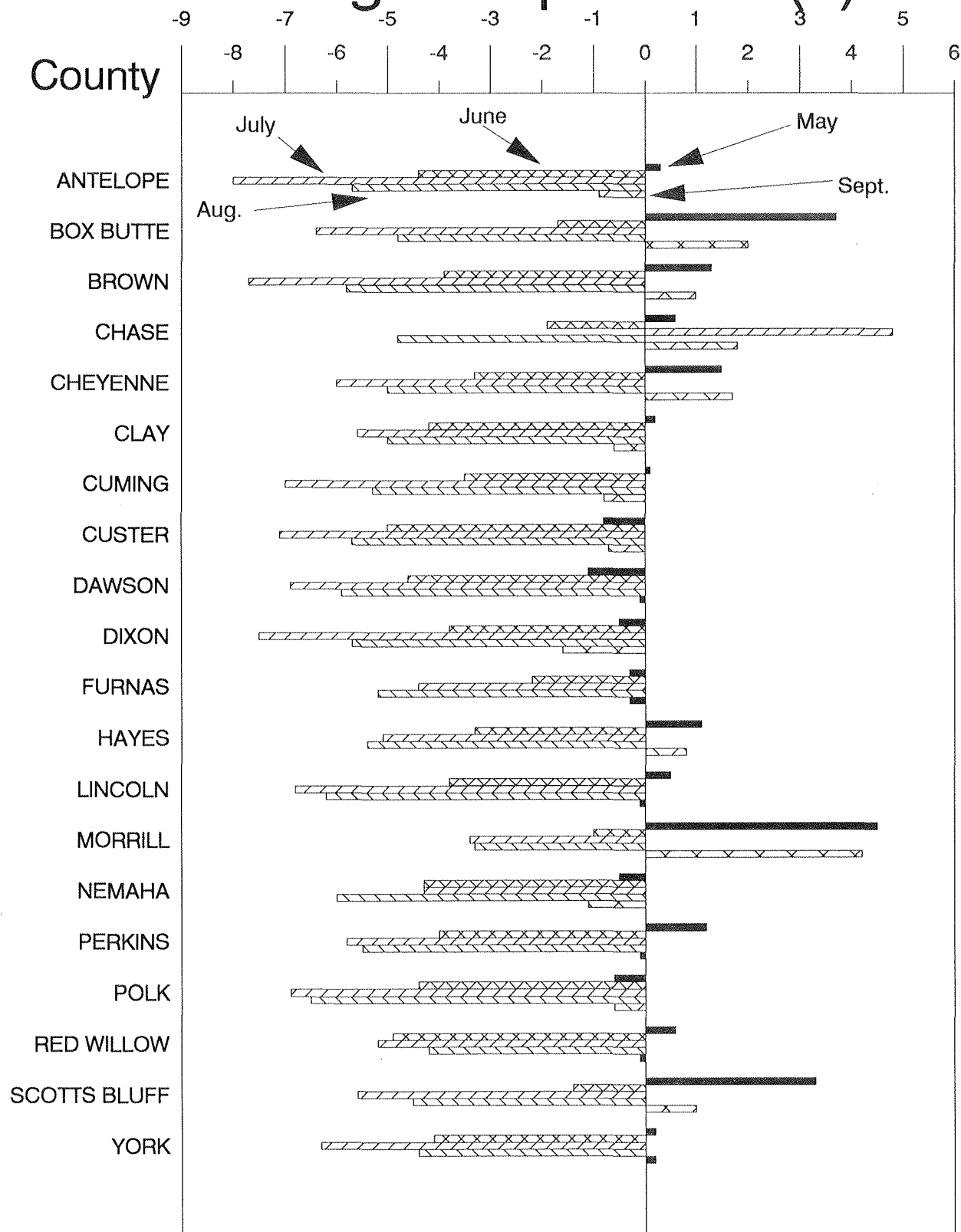
Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu	Plant height inches
2 YEAR AVERAGE					
NC+	2190	195	17.7	57.9	90
GOLDEN HARVEST	H-2390	191	19.5	57.0	88
CARGILL	3427	189	15.6	56.0	92
PIONEER	3751	187	15.7	58.0	96
CARGILL	3627	186	17.3	58.2	91
WILSON	1140	184	17.6	56.9	93
NORTHRUP KING	N 4242	182	16.7	57.8	94
AGRIGENE	AG 4500	182	20.5	55.9	94
NORTHRUP KING	N 4428	182	16.7	57.8	94
NORTHRUP KING	N 4350	182	17.6	57.0	94
HORIZON	5151	174	21.4	55.6	93
AVERAGE ALL ENTRIES		185	18.0	57.0	92
DIF. REQ. FOR SIG.	5%	8	1.1	0.3	1.5
	25%	5	0.7	0.2	0.8
3 YEAR AVERAGE					
NC+	2190	182	17.2	57.0	71
CARGILL	3427	181	15.3	55.6	72
PIONEER	3751	180	15.3	57.3	74
CARGILL	3627	179	17.0	57.5	73
AGRIGENE	AG 4500	174	20.4	55.2	75
NORTHRUP KING	N 4350	171	17.4	56.3	73
AVERAGE ALL ENTRIES		178	17.1	56.5	73
DIF. REQ. FOR SIG.	5%	6	0.6	0.3	1.8
	25%	3	0.3	0.1	1
4 YEAR AVERAGE					
PIONEER	3751	169	14.5	56.7	74
AGRIGENE	AG 4500	165	18.6	54.7	75
NORTHRUP KING	N 4350	160	16.3	55.6	73
AVERAGE ALL ENTRIES		165	16.5	55.7	74
DIF. REQ. FOR SIG.	5%	6	0.8	0.2	1.8
	25%	3	0.4	0.1	1

West Irrigated Short Season Corn Hybrid Tests. Box Butte & Cheyenne Counties. 1992

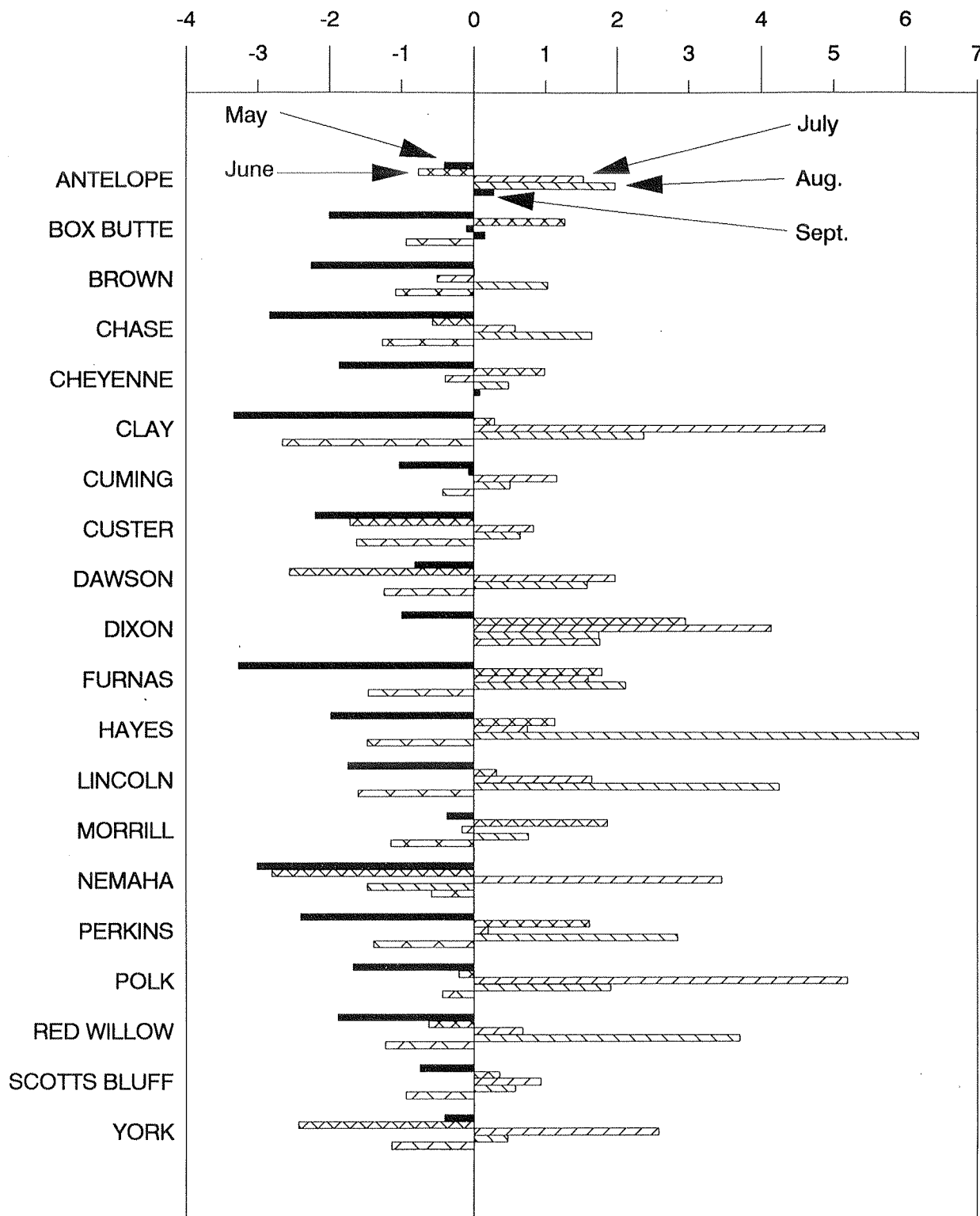
Brand	Hybrid	Grain Yield			Grain Moisture %	Broken plants %	Bushel weight lb/bu	Plant Height inches
		Average bu/a	Box Butte bu/a	Cheyenne bu/a				
CIBA	4172	130 **	70 **	190 **	25.9	0	47.4	88
PAYCO	687	125 *	64 *	186 *	33.2	2	45.1	85
KELTGEN	2460	124 *	64 *	184 *	29.8	0	45.8	90
PIONEER	3751	121 *	57 *	184 *	28.6	0	46.2	91
SIGCO	1099	115 *	54 *	176 *	34.4	1	44.0	85
PIONEER	3921	113	60 *	165	24.4	0	51.5	83
KELTGEN	2275	111	51	170 *	27.4	1	47.8	85
PAYCO	531	111	44	177 *	33.8	0	44.4	88
L.HERRIED	8901	110	59 *	161	32.0	3	45.5	84
DEKALB PLANT GEN	DK501	109	53	164	33.1	0	44.0	88
PIONEER	3723	107	54 *	160	29.1	0	47.0	98
CIBA	4282	105	43	167	33.6	0	44.8	89
CIBA	4202	104	40	167	32.6	0	44.7	90
JACQUES	6970	102	44	159	37.2	0	42.4	89
HORIZON	5151	100	54 *	146	36.7	2	44.3	89
ASGROW	RX497	95	28	161	35.3	0	41.8	82
SIGCO	1301	93	34	151	28.6	8	45.3	84
HORIZON	5055	93	35	150	32.7	4	43.0	91
SIGCO	1200	92	29	154	32.8	4	43.9	87
JACQUES	5600	90	36	144	36.6	1	42.1	86
WILSON	1140	90	40	139	35.4	1	43.7	90
L.HERRIED	8995	76	22	130	29.8	2	43.4	88
Average all entries		105	47	163	31.9	1.3	45.0	87
Dif. Req. for Sig.		5%	16	21	6.9	NS	4.1	6
		25%	9	12	3.9	NS	2.4	3

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Departure from 30 year average temperature (F)



Departure from 30 year average rainfall (inches)





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