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DECEMBER 1983

NEBRASKA COOPERATIVE EXTENSION SERVICE—E.C. 84-105

84-105
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NEBRASKA CORN PERFORMANCE TESTS 1983

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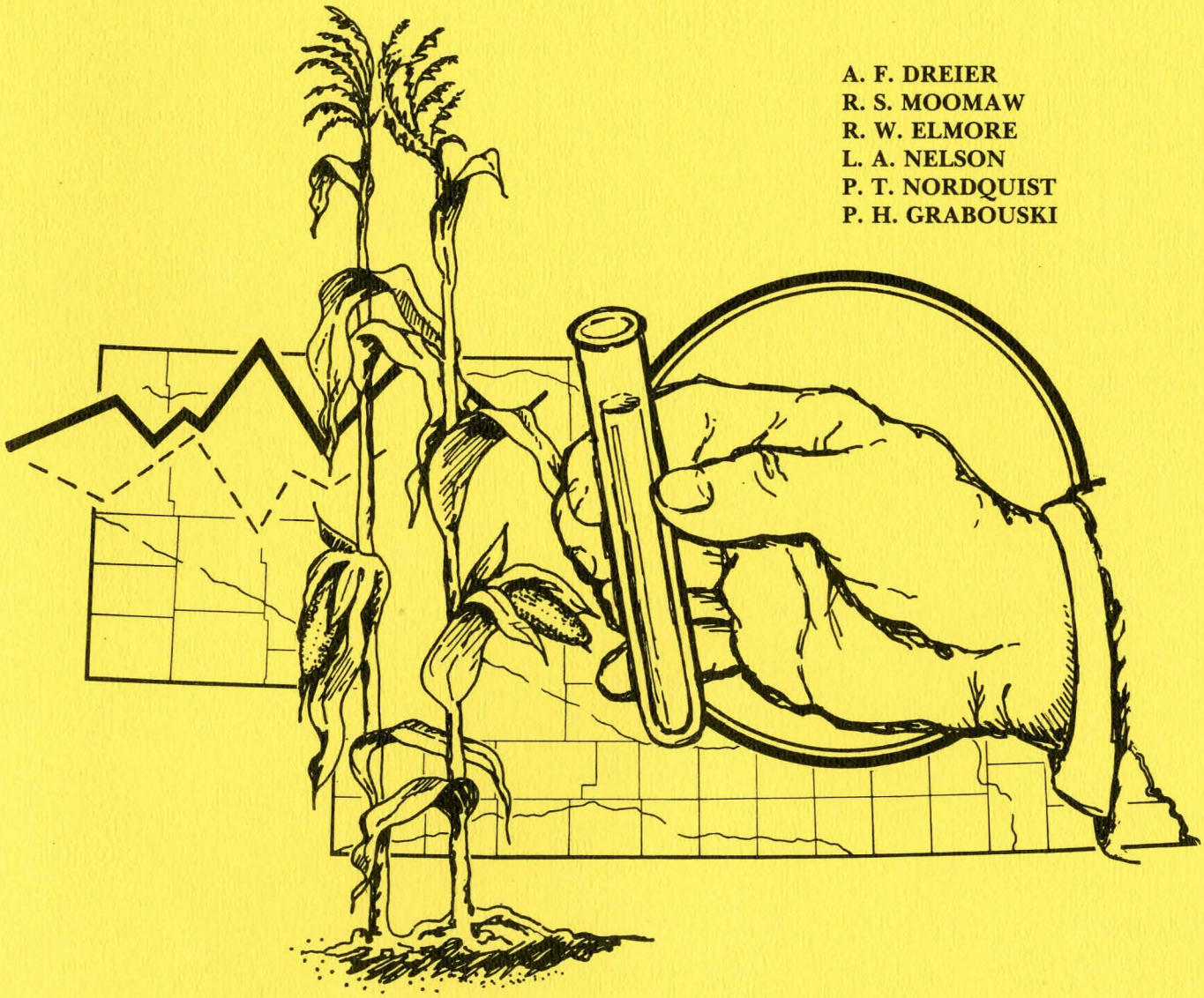

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Leo E. Lucas, Director of Cooperative Extension Service, University of Nebraska, Institute of Agriculture and Natural Resources.

ACKNOWLEDGMENT

This circular is a progress report of corn performance tests conducted by the Agricultural Experiment Station. Trials were conducted by the Agronomy Department and the Northeast, South Central, North Platte and Panhandle Stations. These Extension Circulars replace the Outstate Testing Series. Conduct of experiments and publication of results is a joint effort of the Agricultural Experiment Station and the Cooperative Extension Service.

Acknowledgment is made to County Extension Agents and others who assisted in these trials. The Plant Pathology Department cooperated in making stalk rot readings. Special credit is due to farmers who furnished test sites. Yield calculations and statistical analyses were performed by the Biometrics & Information Systems Center.

THE METRIC SYSTEM

Among the equivalents are:

1 millimeter	(mm) =	0.0394 inches
1 centimeter	(cm) =	0.394 inches
1 hectare	(ha) =	2.471 acres
1 kilogram	(kg) =	2.205 pounds
1 hectoliter	(hl) =	2.838 bushels
1 metric ton	(t) =	2,204.6 pounds

Conversion factors are as follows:

mm	=	inches x 0.254
cm	=	inches x 2.54
ha	=	acres x 0.405
kg	=	pounds x 0.454
kg/ha	=	bu/A x 62.78 (56# bu)
kg/hl	=	lbs/bu x 1.287
metric tons	=	bu x .0254 (56# bu)

EXTENSION CIRCULAR 83-105

December 1983

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NEBRASKA CORN PERFORMANCE TESTS
1983

Based on the November 1 yield estimate, Nebraska corn production in 1983 was 460.6 million bushels. Total production was 40% lower than in 1982 and acreage was down 29%. Recent yields were as follows (bu/A):

	1977	1978	1979	1980	1981	1982	1983
State	99.0	112.0	115.0	85.0	115.0	111.0	94.0
Irrigated	116.0	125.0	128.0	101.0	129.0	124.0	109.0
Dryland	64.2	84.7	87.6	48.2	79.1	83.7	54.6

The 1983 acreage harvested for grain was 4.9 million of which 3.55 million acres were irrigated.

Nebraska had a cold wet spring. This continued through June. On July 1, corn appeared to be a week to ten days behind normal. July, August and September were much warmer than normal. By the end of August, corn had reached a usual stage of maturity. Final ripening and harvest were ahead of long-time averages.

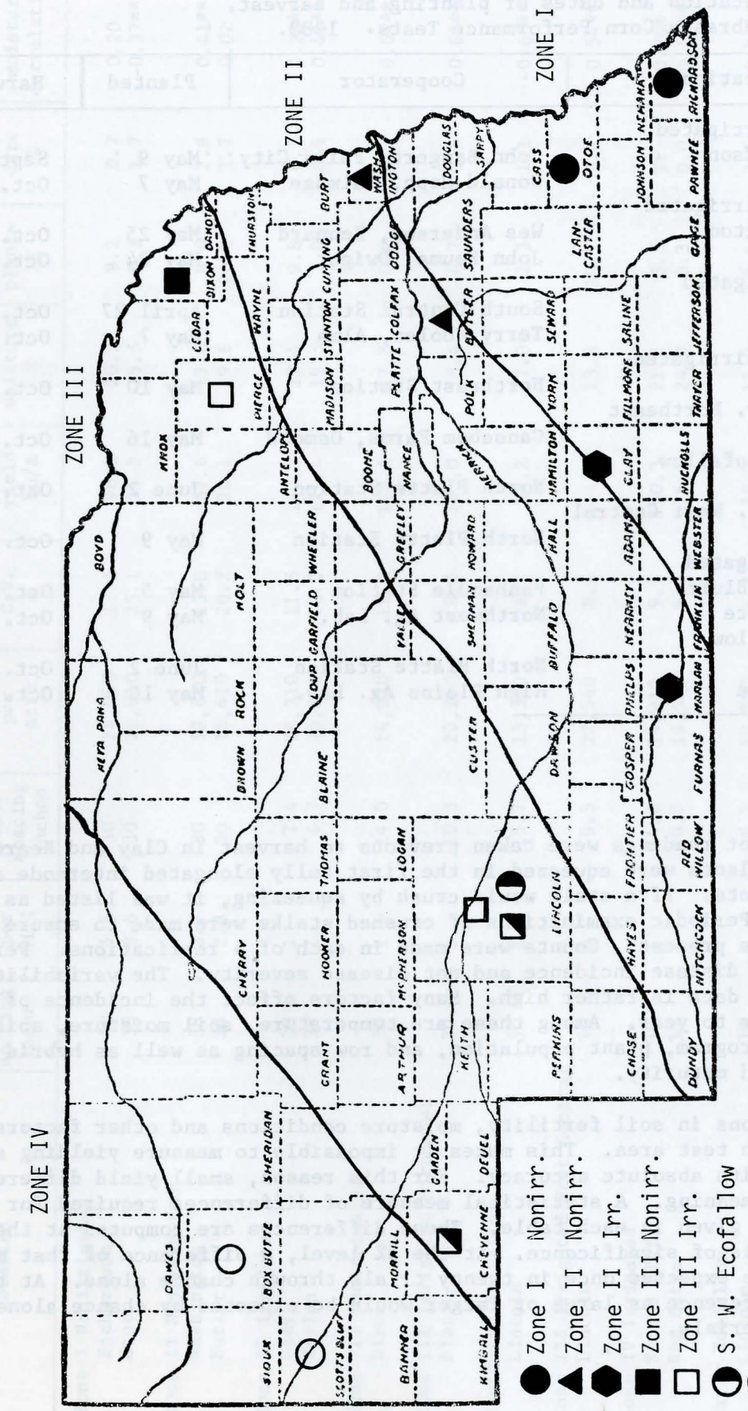
Rainfall generally was adequate until late June. July and August were very dry, especially the eastern one-half of the state south of the Platte. In many areas, no effective rain fell until late in August. Drouth was most severe in southeast Nebraska. Moisture conditions were more favorable in northeast Nebraska. The Sandhills had the wettest summer of record. Heat and drouth stresses are reflected in average yields. Heavy corn borer infestation and/or stress induced stalk rot contributed to high broken plant counts.

Fourteen corn performance tests were planted in 1983. Test locations are shown on the map (Page 3), and cooperators and dates of planting and harvest are included in Table A.

These trials are conducted to provide yield and other information about some of the corn hybrids which may be offered for sale in Nebraska. A fee was charged to cover a portion of the cost of establishing tests. Entry was on a voluntary basis and hybrids were selected by the seed producer. Each was limited to four hybrids at each location. Seed was furnished by producers from lots of their selection.

The average performance of all hybrids at each test location is shown in Table B. Some experiments were planted thick and later thinned to the desired stand. Equal numbers of seeds were planted for all hybrids. The plant population represents the average harvested plant density. Individual plots were two rows wide and 15 to 35 feet long.

Yields shown are averages of four or more replicated plots at each location. Plots were either hand or machine harvested and shelled in the field. Grain moisture determinations were made on all replications of each experiment by oven drying or electronic methods. Grain yields are expressed on a 15.5% - moisture basis.



CORN MATURITY ZONES AND LOCATIONS
OF NEBRASKA CORN PERFORMANCE TESTS. 1982.

Table A. Location and dates of planting and harvest. Nebraska Corn Performance Tests. 1983.

Location	Cooperator	Planted	Harvested
Zone I Nonirrigated			
Richardson	John Bangert, Falls City	May 9	Sept. 21
Ote	Donald Hopp, Talmage	May 7	Oct. 13
Zone II Nonirrigated			
Washington	Wes Anderson, Kennard	May 25	Oct. 10
Butler	John Kouma, Dwight	May 24	Oct. 6
Zone II Irrigated			
Clay	South Central Station	April 27	Oct. 6
Harlan	Terry Woolen, Alma	May 7	Oct. 12
Zone III Nonirrigated			
Dixon	Northeast Station	May 10	Oct. 5, 6
Zone III Irr. Northeast			
Pierce	Gansebom Farms, Osmond	May 16	Oct. 10, 18
Southwest Ecofallow			
Lincoln	North Platte Station	June 2	Oct. 24
Zone III Irr. West Central			
Lincoln	North Platte Station	May 9	Oct. 4, 7
Zone IV Irrigated			
Scotts Bluff	Panhandle Station	May 5	Oct. 13
Box Butte	Northwest Ag. Lab.	May 9	Oct. 17
Early Ecofallow			
Lincoln	North Platte Station	June 2	Oct. 25
Cheyenne	High Plains Ag. Lab.	May 10	Oct. 7

Stalk rot readings were taken previous to harvest in Clay and Kearney Counties. Plants were squeezed in the first fully elongated internode above the brace roots. If a stalk would crush by squeezing, it was listed as having stalk rot. Periodic examinations of crushed stalks were made to ensure that stalk rot was present. Counts were made in each of 4 replications. Percentages reflect disease incidence and not disease severity. The variability of this type of data is rather high. Many factors affect the incidence of stalk rot from year to year. Among these are temperature, soil moisture, soil type, fertilizer program, plant population, and row spacing as well as hybrid constitution and maturity.

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.

Table B. Average performance of hybrids at each test location. 1983.

Location	Row spacing inches	Plants per hill	Hill or plant spacing inches	Plants per acre	Yield C.V. %	Grain[1] yield bu/A	Harvest moisture %	Broken plants %	Dropped ears %	Yield[2] moisture correlation
Zone I Nonirrigated										
Richardson	40	4.6	30	24,050	17.5	96.9	20.2	9.2	0.7	0.20
Otoe	38	3.6	30	19,810	25.1	31.5	15.5	8.1	1.7	-0.37**
Zone II Nonirrigated										
Washington	38	3.2	30	17,610	13.0	67.6	17.8	8.6	2.8	0.41**
Butler	38	2.8	30	15,410	20.2	36.1	19.6	26.0	1.7	0.02
Zone II Irrigated										
Clay	30	1	7.4	28,310	11.5	130.3	22.4	2.8	0.7	0.28**
Harlan	36	1	6.7	25,990	12.2	171.4	19.5	1.0	0.4	0.43**
Zone III Nonirrigated										
Dixon	30	1	14.0	14,930	11.2	108.6	17.8	0.4	0.1	0.64**
Zone III Irrigated Northeast										
Pierce	30	1	10.3	20,290	8.8	142.0	18.4	4.7	0.8	0.60**
Southwest Ecofallow										
Lincoln	30	1	15.7	13,340	26.1	34.2	17.0	2.3	1.1	-0.65**
Zone III Irrigated West Central										
Lincoln	30	1	9.3	22,540	8.1	144.6	13.8	10.9	5.7	0.54**
Zone IV Irrigated										
Scotts Bluff	30	1	14.0	14,910	9.7	150.3	21.3	3.5	Tr	-0.26*
Box Butte	30	1	10.7	19,540	9.6	116.2	24.0	0.3	0.0	-0.49**
Early Ecofallow										
Lincoln	30	1	16.3	12,800	16.2	50.0	13.0	3.4	2.1	-0.83**
Cheyenne	30	1	26.0	8,040	15.3	49.5	30.2	1.0	0.2	-0.79**

1/ Hand harvest--Lincoln, 3 tests. Others machine harvest.

2/ Correlation between moisture at harvest and acre grain yield, * significant (5% level), ** highly significant (1% level). Negative values indicate that lower grain moisture was associated with high yields.

In these experiments, many hybrids had essentially the same grain production. Performance of hybrids varies with seasonal conditions, and great care should be used in interpreting the results of a single year's tests. Earlier-maturing hybrids are favored in some seasons while later ones perform best in others. Some hybrids are able to withstand unfavorable weather better than others which may do well under optimum 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 diseases also are factors which must be considered in selecting hybrids.

Names and addresses of entrants are shown in Table C. The brand name, hybrid designation and area where grown for each 1983 entry are shown in Table D.

The parentage of open-pedigree hybrids included in these experiments follows:

Nebr. 611	N7A x Mo17
Nebr. 714	B73 x N132
Nebr. 715	N139 x B73
Nebr. Exp. 9063	A632 x N191
Nebr. Exp. 9065	N188 x A632
Nebr. Exp. 9066	N186A x B73
Nebr. Exp. 9067	N186B x B73

Several of the lines in experimental combinations have not been released.

RESULTS

Data tables for each zone are shown in sections. The 1983 zone performance is listed and followed by two, three, four- and five-year averages where available.

Two experiments were conducted in many zones. Relative hybrid performance often varies with locations within zones. Variety x location interactions were highly significant (1% level) in 1983 Zone I nonirrigated, Zone II nonirrigated, and Zone IV irrigated trials. The interaction in the Early Ecofallow trials was significant (5% level). In the Zone II irrigated trials, interaction was nonsignificant (5% level) indicating a closer agreement in relative performance of hybrids in those two trials. In zone analyses, the hybrid x location interaction mean square was used to calculate the difference 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. Higher grain moistures were significantly correlated with higher yields at six locations. Lower grain moisture was correlated with higher yields at six locations in 1983, and there was little relationship at two sites. Even though these relationships were significant, they generally do not indicate that maturity was the major factor in hybrid yield differences. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs.

Table C. Entrants. Nebraska Corn Performance Tests. 1983.

Brand	Entrant	Address
-----	NE Agricultural Experiment Station	Lincoln, NE 68583
Agri-Seeds	Schwenk Agri-Seeds, Inc.	Kearney, NE 68847
Asgrow	Asgrow Seed Company	Kalalamazoo, MI 49001
Bo-Jac	Bo-Jac Hybrid Corn Company	Mt. Pulaski, IL 62548
Cargill	Cargill Seeds	Minneapolis, MN 55440
Cenex	Cenex	St. Paul, MN 55164
Crow's	Crows Hybrid Corn Company	Milford, IL 60953
Curry	Curry Seed Company	Elk Point, SD 57025
DeKalb	DeKalb-Pfizer Genetics	DeKalb, IL 60115
EK Premium	EK Premium Hybrid Corn	Berwick, IL 61417
Federal	Federal Hybrids	Marion, IA 52302
Fontanelle	Fontanelle Hybrids	Nickerson, NE 68044
Funk's	Funk Seeds International	Bloomington, IL 61701
Golden Acres	Taylor-Evans Seed Company	Tulia, TX 79088
Greenway	Greenway Seeds	Caldwell, ID 83605
Hawkeye	Hawkeye Hybrids, Inc.	Pella, IA 50219
Horizon	Horizon Seeds, Inc.	Lincoln, NE 68051
Jacques	Jacques Seed Company	Prescott, WI 54021
Kaltenberg	Kaltenberg Seeds	Waunakee, WI 53597
Keltgen	Keltgen Seed Company	Doniphan, NE 68832
Lewis	Lewis Hybrids, Inc.	Ursa, IL 62376
Lynks	Lynks Seeds	Marshalltown, IA 50158
McCurdy	McCurdy Seed Company	Fremont, IA 52561
Northrup King	Northrup King Company	Norfork, NE 68701
O's Gold	O's Gold Seed Company	Parkersburg, IA 50665
PAG	PAG Seeds	Fremont, NE 68025
Payco	Payco Seeds	Dassel, MN 55325
Paymaster	Paymaster Seeds	Seward, NE 68434
Prairie Stream	Prairie Stream Farms, Inc.	Frankfort, IN 46041
Renze	Renze Hybrids, Inc.	Carroll, IA 51401
S Brand	Schechinger Seed Company	Harlan, IA 51537
Sokota	Sokota Hybrid Producers	Brookings, SD 67006
Stewart	Stewart Hybrids, Inc.	Princeville, IL 61559
Super Crost	Edw. J. Funk & Sons, Inc.	Kentland, IN 47951
W-M	W-M Hybrids, Inc.	Scott City, KS 67871
WAL	Seedtec International, Inc.	Hereford, TX 79045
Wilson	Wilson Hybrids, Inc.	Harlan, IA 51537

Table D. List of entries and tables in which data are reported. 1983.

Brand	Hybrid	Tables
-----	NE Exp. 9063	7,8
-----	NE Exp. 9065	7,8,9
-----	NE Exp. 9066	3
-----	NE Exp. 9067	3
-----	Nebr. 611	1,2,3,4,5,6,7
-----	Nebr. 714	1,2,3
-----	Nebr. 715	1,2,3
Agri-Seeds	215	1
Agri-Seeds	220	1
Agri-Seeds	232	1
Asgrow	Exp. 2148	1, 3
Asgrow	Exp. 2372	1,2
Asgrow	RX511	6, 8,9
Asgrow	RX717	2, 4,5, 7,8,9
Asgrow	RX777	1,2,3,4,5,6,7,8
Asgrow	RX90	1, 3, 7
Bo-Jac	370	9
Bo-Jac	381	6, 8,9
Bo-Jac	452	3
Bo-Jac	56A	7
Bo-Jac	5601	3, 7
Bo-Jac	5603	3, 7
Bo-Jac	562	1,2
Bo-Jac	601	3, 6,7
Cargill	829	8
Cargill	834	8
Cargill	861	8
Cargill	867	8
Cargill	921	4,5, 7
Cargill	924	2, 7
Cargill	949	1,2,3,4,5,6,7
Cargill	955	1,2,3,4,5,6,7
Cargill	967	1,2,3,4,5,6
Cargill	980	3
Cenex	2096	8
Cenex	2106	8,9
Cenex	2110	4,5
Cenex	2111	9
Cenex	2114	3,4,5
Cenex	2115	3
Cenex	2124	3
Crow's	431	4,5
Crow's	444	2,3,4,5
Crow's	666	2, 4,5
Crow's	688	3
Curry	1424	4,5
Curry	1450	4,5
Curry	1455	3,4,5
Curry	1460	2,3, 7
Curry	1490	3,4,5, 7
DeKalb	DK-484	8,9
DeKalb	DK-556	4,5, 7
DeKalb	DK-699	1
DeKalb	EX-6261	7
DeKalb	EXP-356	7
DeKalb	EXP-359	6
DeKalb	EXP-364	2
DeKalb	EXP-365	1,2,3,4,5,6
DeKalb	T1000	8,9
DeKalb	T1100	2,3,4,5,6,7
DeKalb	T1230	1, 3
DeKalb	T950	8
DeKalb	XL-18	9
DeKalb	XL-32A	8
DeKalb	XL-55A	4,5,6
DeKalb	XL-73	1,2,3
EK Premium	EK7760	8
EK Premium	EK7780	1,2,3,4,5, 7,8
EK Premium	EK7796	1,2,3, 7
EK Premium	EK8805	1,2,3, 7
EK Premium	EK8806	7
EK Premium	EK9900	1,2,3
Federal	FX59	1
Fontanelle	370	8
Fontanelle	427	3,4,5, 7
Fontanelle	435	3,4,5, 7
Fontanelle	4528	4,5, 7
Fontanelle	625	1,2,3
Fontanelle	635	1,2
Fontanelle	680	1,2,3
Funk's	G-4514	3,4,5
Funk's	G-4522	3,4,5
Funk's	G-4578	2
Funk's	G-4589	2
Funk's	27629	1
Funk's	29097	8
Funk's	4029X	6,7
Golden Acres	T-E 6995	3, 7
Golden Acres	T-E 6995-A	3, 7
Golden Acres	T-E 6996	3, 7
Golden Acres	T-E 6998	3, 7
Greenway	GX50	8
Hawkeye	SX50A	3
Hawkeye	SX56	3
Hawkeye	SX60	1, 3
Horizon	202	8
Horizon	206	8
Horizon	211	2, 4,5, 8,9
Horizon	212	2,3, 6,7,8
Horizon	717	1,2,3,4,5,6,7
Horizon	718	3, 7
Horizon	861	1,2, 4,5
Horizon	871	1, 3,4,5,6,7
Horizon	890	1
Jacques	JX179	4,5
Jacques	JX180	3
Jacques	JX247	1, 3
Jacques	JX77	8
Jacques	JX97	8
Jacques	7790	2, 6
Jacques	7900	1,2,3,4,5,6,7
Jacques	8100	7
Jacques	8220	1
Jacques	8400	3
Kaltenberg	KX67	4,5
Kaltenberg	KX77	4,5
Keltgen	KS 1020	8
Keltgen	KS 114	2,3
Keltgen	KS 1150	2,3
Keltgen	KS 116	2,3

CONTINUED

Table D. Concluded.

Brand	Hybrid	Tables
Keltgen	KS 95	8
Lewis	X21B	2
Lewis	X55B	2
Lewis	X59B	1, 3
Lewis	X62BB	3
Lewis	X74B	1, 3
Lewis	X81B	1, 3
Lynks	LX 4075	8
Lynks	LX 4100	8
Lynks	LX 4115	8,9
Lynks	LX 4210	3
Lynks	LX 4225	4,5, 7
Lynks	LX 4232	4,5,6,7
Lynks	LX 4315	3, 7
Lynks	LX 4315A	4,5
Lynks	LX 4355	1, 3,4,5, 7
Lynks	LX 4364	1,2
Lynks	LX 4373	1,2,3
McCurdy	4664	8
McCurdy	5225	8
McCurdy	5596	4,5, 8
McCurdy	6555	3,4,5, 7
McCurdy	7384	1,2,3,4,5, 7
McCurdy	7676	1,2,3
McCurdy	7787	1
McCurdy	81-58	8
McCurdy	81-6	2, 4,5, 7
McCurdy	81-61	2,3, 7
McCurdy	84AA	1
Northrup King	PX69A	2
Northrup King	PX74	1,2,3,4,5
Northrup King	PX9144	8
Northrup King	PX9288	8
Northrup King	PX9405	8,9
Northrup King	PX9415	6,7, 9
Northrup King	PX9455	2,3,4,5,6,7
Northrup King	PX9527	3,4,5, 7
Northrup King	PX9581	1, 3
Northrup King	PX9692	1
O's Gold	1170A	8
O's Gold	2450	4,5, 8
O's Gold	2570	1,2,3, 7
O's Gold	5291	1, 3
O's Gold	5500A	7
O's Gold	6882	1,2, 4,5
PAG	Exp. 111571	4,5
PAG	Exp. 193084	4,5
PAG	SX179	8
PAG	SX193	8
PAG	SX195	8
PAG	SX239	8
PAG	SX243	7
PAG	SX275	4,5, 7
PAG	SX329	2
PAG	SX333	1,2,3 7
PAG	SX351	1,2,3
PAG	SX354	1,2,3
PAG	SX379	3
Payco	SX 1000	1
Payco	SX 599	8
Payco	SX 611	9
Payco	SX 620	8
Payco	SX 715	8,9
Payco	SX 824	4,5,6,7
Payco	SX 860	3,4,5,6
Payco	SX 872	6,7
Payco	SX 900	1,2,3,4,5, 7
Payco	SX 925	1,2,3,4,5, 7
Paymaster	1990	8
Paymaster	2890	8
Paymaster	2990	8
Paymaster	4790	4,5, 7
Paymaster	7190	2,3,4,5, 7
Paymaster	8201	1,2,3,4,5, 7
Paymaster	8990	1
Prairie Stream	M6500	3
Prairie Stream	M6900	3
Prairie Stream	SX50	3
Renze	6340	2,3,4,5
Renze	6346	4,5
Renze	6350	3
Renze	6360	3,4,5
Renze	6412	2, 4,5
Renze	6415	2,3
Renze	6600	2
S Brand	SS55A	1,2,3,4,5
S Brand	SS58	1,2,3,4,5
S Brand	SS59	1,2,3,4,5
S Brand	SS64	1,2,3,4,5
Sokota	TS-75	3,4,5
Sokota	620	8
Sokota	676	4,5, 8
Sokota	680	7
Sokota	810	3,4,5 7
Sokota	820	3, 7
Stewart	6973	1
Stewart	7355	1
Stewart	77	1
Super Crost	4337	3
Super Crost	5438	1,2,3
Super Crost	7600	1,2,3
W-M Hybrids	1414	3
W-M Hybrids	6570	3, 7
W-M Hybrids	7070	3, 7
W-M Hybrids	8080	7
W-M Hybrids	9090	3
WAC	895	1, 4,5, 8
WAC	918	1, 8
WAC	920C	1, 3, 6,7,8,9
Wilson	1100b	4,5,6
Wilson	1400b	7
Wilson	1600	3,4,5, 7
Wilson	1700	1, 3, 7
Wilson	1800b	1,2,3

Corn growing conditions in Nebraska vary greatly with years. The 1978 and 1979 seasons were especially favorable. Heat stress was severe in 1980. In 1981, conditions varied greatly with location. The 1982 season was cooler and wetter than normal. The 1983 season was hotter than normal with extreme drouth in southeastern Nebraska. Period-of-years averages provide a measure of performance over a wide range of growing conditions.

Zone I Nonirrigated

Two trials were harvested in this area (Table 1a). Heat and drouth stresses generally were severe in southeast Nebraska. The Richardson County trial was on Missouri River bottomland and subirrigation accounted for an average yield of 97 bushels per acre. In Ote County drouth was severe and an average yield of 31.5 bushels per acre was produced. Corn borer damage was high at both locations. Period-of-years data are shown in Tables 1b and 1c.

Zone II Nonirrigated

Two trials were conducted in east central Nebraska (Table 2a). Moisture was more favorable in Washington County than areas farther south and east. Stalk breakage was heavy. The Butler County trial was under greater stress. Stalk rot and corn borer damage combined with heavy winds before harvest, resulted in excessive stalk breakage. Period-of-years data are shown in Tables 2b and 2c.

Zone II Irrigated

Data from trials in Clay and Harlan Counties are shown in Table 3a. Clay County yields were much below the long-time average for this location. Excellent yields were produced in Harlan County. Performance of hybrids in tests since 1979 is shown in Tables 3b and 3c.

Zone III Nonirrigated Northeast

Data from Dixon County are shown in Table 4a. This plot was located on better than average soil and an average yield of 108.6 bushels was produced. Hybrids matured early enough to escape damage by the September 21 freeze. Long-time average yields also were high. Five hybrids included for five years yielded 121.7 bushels per acre.

Zone III Irrigated Northeast

Data from Pierce County are shown in Table 5a. This plot was on an irrigated sandy loam soil and showed some moisture stress. The field was treated for control of corn borer and western bean cutworm. Later maturity was correlated with higher yield. Period-of-years data are shown in Tables 5b and 5c.

Southwest Ecofallow

This experiment was located on the North Platte Station in Lincoln County (Table 6a). Corn was planted late through a heavy residue into cold wet soil. Five days of 100 plus degree temperatures in mid-August were very damaging. Killing frost on September 20 caught later-maturing hybrids. Later maturity was correlated with lower yields. Period-of-years data are shown in Table 6b.

Zone III Irrigated West Central

This experiment also was on the North Platte Station (Table 7a). Cold wet soil at planting caused low emergence on some entries. High August temperatures lowered yields. Most hybrids had matured when frosted on September 20. Higher grain moisture was correlated to higher yield in this trial. Period-of-years data are shown in Tables 7b and 7c.

Zone IV West Irrigated

Two trials were harvested (Table 8a). Cool wet weather delayed planting slightly. Early development was behind normal but was ahead of usual by the end of August. Water stress early in July lowered yields in Box Butte County. Frost on September 20 reduced the yield potential of some of the later hybrids. Higher grain moisture was correlated with higher grain yield at both locations. Period-of-years data for West irrigated trials are shown in Tables 8b and 8c.

Ecofallow early entries

These trials were designed to test some of the early entries under the ecofallow system. Performance of hybrids in Lincoln and Cheyenne Counties was in better agreement than in past years (Table 9a). Moisture was adequate for production of 50-bushel average yields under intense heat. Period-of-years data are shown in Table 9b.

TABLE 1a. ZONE I NONIRRIGATED. SUMMARY. 1983.

BRAND	HYBRID	YIELD AVERAGE BU/A	RICHARDSON BU/A	OTOE BU/A	1983 AVERAGE MOISTURE PCT	BROKEN PCT	DROPPED PCT
-----	NEBR. 611	78	121	35	17.4	13	3
-----	NEBR. 714	77	118	36	18.7	11	1
-----	NEBR. 715	54	77	30	18.7	5	0
AGRI-SEEDS	215	64	93	34	16.4	9	1
AGRI-SEEDS	220	90	139	40	18.1	7	1
AGRI-SEEDS	232	75	114	36	18.3	11	1
ASGROW	EXP 2148	71	109	32	18.6	5	1
ASGROW	EXP 2372	60	87	32	18.5	8	1
ASGROW	RX777	62	91	32	17.4	11	2
ASGROW	RX90	62	93	31	17.5	3	3
BC-JAC	562	75	107	42	18.1	6	2
CARGILL	949	66	98	33	17.6	8	2
CARGILL	955	58	88	28	16.2	9	1
CARGILL	967	62	95	29	18.0	4	2
DEKALB	EXP-365	64	94	33	18.8	5	2
DEKALB	T1100	69	97	40	16.0	7	0
DEKALB	T1230	53	84	22	18.6	4	1
DEKALB	XL-73	57	87	26	18.0	15	1
EK PREMIUM	EK7780	62	88	35	16.6	4	1
EK PREMIUM	EK7796	78	112	43	17.5	5	1
EK PREMIUM	EK8805	74	117	31	18.2	4	3
EK PREMIUM	EK9900	69	101	37	18.5	15	1
FEDERAL	FX59	55	87	23	18.9	13	1
FONTANELLE	625	76	108	44	18.3	3	3
FONTANELLE	635	45	73	16	18.1	6	1
FONTANELLE	680	63	99	27	18.2	12	5
FUNK'S	27629	58	89	27	18.9	10	1
HAWKEYE	SX60	63	98	28	18.2	5	0
HORIZON	717	65	98	32	17.5	3	1
HORIZON	861	70	110	29	17.5	14	2
HORIZON	871	68	102	33	17.6	5	1
HORIZON	890	49	77	21	18.1	11	1
JACQUES	JX247	59	97	21	18.2	10	1
JACQUES	7900	83	118	48	17.9	7	2
JACQUES	8220	67	105	28	18.2	13	3
LEWIS	X59B	77	118	35	17.8	6	1
LEWIS	X74B	72	114	30	18.0	11	2
LEWIS	X81B	66	103	28	17.7	7	1
LYNKS	LX 4355	74	111	37	17.1	5	1
LYNKS	LX 4364	60	79	41	16.3	15	1

CONTINUED

TABLE 1a. CONCLUDED.

BRAND	HYBRID	YIELD AVERAGE BU/A	RICHARDSON BU/A	OTOE BU/A	1983 AVERAGE MOISTURE PCT	BROKEN PCT	DROPPED PCT
LYNKS	LX 4373	54	87	20	18.7	4	2
MCCURDY	7384	75	115	35	18.0	8	2
MCCURDY	7676	63	97	29	18.4	17	1
MCCURDY	7787	78	114	42	17.9	5	1
MCCURDY	84AA	59	93	25	18.6	12	3
NORTHRUP KING	PX74	62	91	33	17.8	10	2
NORTHRUP KING	PX9581	49	72	26	18.7	16	3
NORTHRUP KING	PX9692	38	59	16	19.4	14	2
O'S GOLD	2570	70	104	35	18.1	13	1
O'S GOLD	5291	71	106	36	18.6	14	2
O'S GOLD	6882	55	78	31	15.9	3	1
PAG	SX333	66	103	28	17.6	8	3
PAG	SX351	55	81	29	18.8	6	1
PAG	SX354	59	100	18	18.3	11	0
PAYCO	SX 1000	68	97	39	17.8	10	2
PAYCO	SX 900	66	95	36	17.3	4	1
PAYCO	SX 925	54	73	34	16.8	1	1
PAYMASTER	8201	56	87	24	18.2	11	2
PAYMASTER	8990	66	107	24	18.6	9	2
S BRAND	SS55A	60	88	31	16.6	27	1
S BRAND	SS58	60	85	35	15.9	12	1
S BRAND	SS59	62	86	37	16.9	15	1
S BRAND	SS64	67	105	29	18.6	5	4
STEWART	6973	51	76	26	17.9	13	2
STEWART	7355	66	93	38	17.5	8	1
STEWART	77	54	76	31	18.1	19	1
SUPER CROST	5438	74	107	41	18.0	10	1
SUPER CROST	7600	68	108	28	17.1	9	3
WAC	895	55	86	24	15.5	4	0
WAC	918	73	111	34	18.3	8	2
WAC	920C	66	104	28	18.3	6	1
WILSON	1700	69	98	39	17.5	6	0
WILSON	1800B	62	93	31	18.2	6	2
AVERAGE ALL ENTRIES		64.4	96.9	31.5	17.8	8.9	1.5
DIF. REQ. FOR SIG.	5%	17.4	23.6	11.0	2.4	6.9	2.0
	25%	10.1	13.9	6.5	1.4	3.9	1.2

TABLE 1b. ZONE I SOUTHEAST NONIRRIGATED. 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
-----	NEBR. 611	85	19.5	17	2
-----	NEBR. 714	88	19.8	19	1
-----	NEBR. 715	76	20.1	7	0
ASGROW	RX777	85	19.3	13	1
ASGROW	RX90	74	19.2	9	5
CARGILL	949	81	18.9	8	4
CARGILL	967	83	19.8	13	1
DEKALB	T1230	74	20.0	11	1
DEKALB	XL-73	75	19.7	19	0
FONTANELLE	680	84	21.3	13	2
HORIZON	861	88	19.2	19	1
HORIZON	890	76	20.0	16	1
JACQUES	JX247	82	20.4	12	1
JACQUES	8220	82	20.5	20	2
LYNKS	LX 4355	86	18.7	5	2
LYNKS	LX 4364	75	18.7	18	0
MCCURDY	7676	86	19.6	23	1
MCCURDY	7787	91	20.3	13	2
MCCURDY	84AA	81	21.0	15	2
NORTHRUP KING	PX74	78	19.1	10	3
O'S GOLD	2570	88	19.7	21	1
O'S GOLD	5291	83	20.3	18	1
O'S GOLD	6882	78	17.9	5	1
PAG	SX333	81	18.9	12	3
PAG	SX351	75	20.0	9	1
PAYCO	SX 1000	89	20.6	12	2
PAYCO	SX 900	82	18.8	6	1
PAYMASTER	8201	70	19.6	12	3
STEWART	77	68	20.6	22	2
SUPER CROST	5438	87	19.2	8	1
SUPER CROST	7600	87	20.0	12	2
WILSON	1800B	87	19.9	4	1
AVERAGE ALL ENTRIES		81.3	19.7	13.2	1.6
DIF. REQ. FOR SIG.	5%	N.S.	1.5	8.2	N.S.
	25%	8.0	0.9	4.7	N.S.

TABLE 1c. ZONE I SOUTHEAST NONIRRIGATED. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		3 YEAR AVERAGE			
-----	NEBR. 611	87	19.2	14	1
-----	NEBR. 714	91	19.4	14	1
-----	NEBR. 715	86	19.9	6	0
ASGROW	RX777	89	19.0	12	1
ASGROW	RX90	84	19.0	6	4
CARGILL	949	88	18.8	7	3
CARGILL	967	91	19.3	10	1
DEKALB	T1230	90	19.9	8	1
DEKALB	XL-73	83	19.5	15	0
HORIZON	861	92	18.9	16	1
HORIZON	890	88	19.7	12	1
LYNKS	LX 4364	82	18.5	14	0
MCCURDY	7676	97	19.4	17	1
MCCURDY	84AA	92	20.5	12	2
NORTHRUP KING	PX74	85	19.0	9	3
O'S GOLD	2570	98	19.3	16	1
O'S GOLD	5291	91	20.0	15	1
PAG	SX333	87	18.6	8	3
PAG	SX351	83	19.7	8	1
PAYCO	SX 1000	91	20.1	11	2
PAYMASTER	8201	81	19.0	10	2
STEWART	77	81	20.2	16	2
SUPER CROST	7600	89	19.9	11	1
AVERAGE ALL ENTRIES		88.0	19.4	11.6	1.4
DIF. REQ. FOR SIG.	5%	N.S.	0.9	6.2	2.0
	25%		0.5	3.6	1.2
		4 YEAR AVERAGE			
-----	NEBR. 611	82	17.8	11	2
-----	NEBR. 714	83	18.0	11	0
-----	NEBR. 715	79	18.6	5	0
ASGROW	RX777	81	18.0	10	1
ASGROW	RX90	81	17.5	5	5
CARGILL	949	82	17.4	5	4
CARGILL	967	83	18.0	8	1
DEKALB	T1230	82	18.7	7	2
HORIZON	861	89	17.6	13	1
MCCURDY	84AA	84	19.0	9	2
NORTHRUP KING	PX74	80	17.6	7	3
PAG	SX333	81	17.2	6	3
PAG	SX351	75	18.2	6	1
PAYMASTER	8201	76	17.5	8	3
SUPER CROST	7600	82	18.5	9	2
AVERAGE ALL ENTRIES		81.3	18.0	8.0	2.0
DIF. REQ. FOR SIG.	5%	N.S.	0.7	4.3	1.8
	25%	6.4	0.4	2.5	1.1
		5 YEAR AVERAGE			
-----	NEBR. 611	97	17.2	9	1
-----	NEBR. 714	99	17.3	9	0
-----	NEBR. 715	93	17.9	4	0
ASGROW	RX777	96	17.7	8	1
ASGROW	RX90	97	17.0	4	4
CARGILL	949	98	16.9	4	3
CARGILL	967	102	17.3	7	1
HORIZON	861	102	17.0	11	1
MCCURDY	84AA	101	18.7	7	2
NORTHRUP KING	PX74	96	17.1	5	3
PAG	SX333	98	16.8	5	3
PAG	SX351	95	17.5	5	1
PAYMASTER	8201	94	17.0	6	2
AVERAGE ALL ENTRIES		97.5	17.3	6.5	1.7
DIF. REQ. FOR SIG.	5%	N.S.	0.6	3.6	1.6
	25%	N.S.	0.4	2.1	0.9

TABLE 2a. ZONE II NONIRRIGATED. SUMMARY. 1983.

BRAND	HYBRID	YIELD AVERAGE BU/A	YIELD WASHINGTON BU/A	YIELD BUTLER BU/A	1983 AVERAGE MOISTURE PCT	1983 AVERAGE BROKEN PCT	1983 AVERAGE DROPPED PCT
-----	NEBR. 611	63	81	44	18.2	31	0
-----	NEBR. 714	64	84	43	21.0	18	1
-----	NEBR. 715	56	78	33	20.8	6	1
ASGROW	EXP 2372	40	48	31	19.6	6	2
ASGROW	RX717	56	67	45	17.2	11	4
ASGROW	RX777	55	72	38	19.2	16	1
BO-JAC	562	53	70	36	20.3	16	6
CARGILL	924	45	60	30	17.1	26	2
CARGILL	949	48	66	30	18.3	26	6
CARGILL	955	48	68	27	18.4	23	2
CARGILL	967	50	69	31	19.7	14	2
CROW'S	444	47	61	33	17.2	9	1
CROW'S	666	49	59	38	18.5	22	5
CURRY	1460	45	59	30	17.3	18	4
DEKALB	EXP-364	45	57	33	18.0	13	2
DEKALB	EXP-365	54	72	36	18.8	18	4
DEKALB	T1100	57	73	41	17.5	10	1
DEKALB	XL-73	56	81	31	21.2	7	1
EK PREMIUM	EK7780	58	74	42	17.5	11	1
EK PREMIUM	EK7796	58	70	45	18.3	8	2
EK PREMIUM	EK8805	53	65	40	18.6	14	1
EK PREMIUM	EK9900	55	77	33	20.8	21	5
FONTANELLE	625	53	69	36	18.5	22	3
FONTANELLE	635	57	69	44	20.5	13	1
FONTANELLE	680	46	62	30	20.6	21	7
FUNK'S	G-4578	51	70	31	18.3	31	2
FUNK'S	G-4589	60	79	41	20.0	33	2
HORIZON	211	49	65	33	18.1	12	1
HORIZON	212	53	63	42	17.3	8	1
HORIZON	717	58	73	42	18.1	9	2
HORIZON	861	54	74	33	18.9	37	4
JACOLES	7790	51	69	32	18.2	10	2
JACOLES	7900	52	68	36	16.4	31	2
KELTGEN	KS 114	50	68	31	18.4	10	2
KELTGEN	KS 1150	52	65	38	18.6	14	3
KELTGEN	KS 116	54	65	43	20.3	11	1
LEWIS	X21B	43	55	31	17.8	21	3
LEWIS	X55B	56	69	43	17.4	12	3
LYNKS	LX 4364	50	67	33	17.5	31	4
LYNKS	LX 4373	58	71	45	21.3	9	1

CONTINUED

TABLE 2A. CONCLUDED.

BRAND	HYBRID	YIELD AVERAGE BU/A	YIELD WASHINGTON BU/A	YIELD BUTLER BU/A	1983 AVERAGE MOISTURE PCT	1983 AVERAGE BROKEN PCT	1983 AVERAGE DROPPED PCT
MCCURDY	7384	54	66	42	19.2	24	4
MCCURDY	7676	51	62	39	19.0	33	3
MCCURDY	81-6	48	65	31	19.0	10	2
MCCURDY	81-61	49	58	40	18.1	13	2
NORTHRUP KING	PX69A	45	64	26	17.4	17	2
NORTHRUP KING	PX74	45	61	28	18.5	24	5
NORTHRUP KING	PX9455	40	51	28	18.1	29	4
O'S GOLD	2570	56	73	39	19.8	36	1
O'S GOLD	6882	56	72	39	17.5	7	2
PAG	SX329	54	65	42	17.3	15	3
PAG	SX333	49	68	30	19.0	25	4
PAG	SX351	59	83	34	19.5	14	2
PAG	SX354	44	59	29	19.9	17	5
PAYCO	SX 900	55	67	43	19.7	15	4
PAYCO	SX 925	39	48	29	18.9	2	2
PAYMASTER	7190	48	57	39	17.3	37	1
PAYMASTER	8201	48	64	31	18.5	20	2
RENZE	6340	57	74	39	17.7	9	2
RENZE	6412	58	69	47	18.5	7	2
RENZE	6415	61	78	44	18.1	16	3
RENZE	6600	59	76	41	21.0	13	1
S BRAND	SS55A	55	72	38	18.2	22	1
S BRAND	SS58	53	70	35	17.8	18	1
S BRAND	SS59	60	80	39	17.6	7	1
S BRAND	SS64	51	67	34	19.2	22	3
SUPER CROST	5438	51	69	33	17.6	25	4
SUPER CROST	7600	50	66	34	20.4	17	5
WILSON	1800B	45	63	27	18.1	20	3
AVERAGE ALL ENTRIES		52.1	67.6	36.1	18.7	17.5	2.5
DIF. REQ. FOR SIG.	5%	10.5	12.3	10.1	1.9	17.5	2.3
	25%	6.1	7.2	6.0	1.1	10.1	1.4

TABLE 2b. ZONE II EAST CENTRAL NONIRRIGATED 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
-----	NEBR. 611	79	21.3	19	0
-----	NEBR. 714	90	23.5	12	0
-----	NEBR. 715	75	25.0	5	0
ASGROW	RX777	80	21.6	13	0
BO-JAC	562	85	24.8	13	3
CARGILL	924	81	21.6	16	1
CARGILL	949	79	21.8	15	3
CARGILL	967	79	22.9	10	1
CROW'S	444	72	20.0	5	1
CROW'S	666	82	22.0	16	3
DEKALB	T1100	80	20.6	7	1
DEKALB	XL-73	82	24.6	5	0
FONTANELLE	680	79	24.3	12	4
FUNK'S	G-4589	85	23.2	19	1
HORIZON	211	76	20.7	9	1
HORIZON	861	81	22.3	24	2
JACQUES	7790	81	21.0	11	1
KELTGEN	KS 116	84	23.2	8	1
LYNKS	LX 4364	68	21.6	22	2
MCCURDY	7384	79	22.8	14	2
MCCURDY	7676	83	22.4	19	1
NORTHRUP KING	PX69A	68	20.7	13	1
NORTHRUP KING	PX74	77	22.0	15	3
O'S GOLD	2570	88	22.6	19	1
PAG	SX333	78	22.3	16	2
PAG	SX351	88	22.2	10	1
PAYCO	SX 900	86	22.9	9	2
PAYMASTER	8201	77	22.0	12	1
SUPER CROST	5438	82	21.5	13	2
SUPER CROST	7600	77	24.5	11	3
AVERAGE ALL ENTRIES		79.9	22.4	13.1	1.5
DIF. REQ. FOR SIG.	5%	N.S.	1.9	N.S.	N.S.
	25%	7.2	1.1	N.S.	1.5

TABLE 2c. ZONE II EAST CENTRAL NONIRRIGATED. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		3 YEAR AVERAGE			
-----	NEBR. 611	80	21.1	13	0
-----	NEBR. 714	89	22.7	8	0
-----	NEBR. 715	81	23.9	3	0
ASGROW	RX777	85	21.4	9	0
BO-JAC	562	87	23.5	9	2
CARGILL	924	79	21.0	11	1
CARGILL	949	81	21.4	10	3
CARGILL	967	81	22.2	7	1
CROW'S	444	75	20.0	4	1
DEKALB	T1100	82	20.2	5	0
DEKALB	XL-73	81	23.4	3	0
HORIZON	861	83	21.6	16	2
LYNKS	LX 4364	72	21.2	15	1
NORTHRUP KING	PX69A	72	20.2	9	1
NORTHRUP KING	PX74	80	21.4	10	2
O'S GOLD	2570	89	22.3	13	1
PAG	SX333	80	21.8	11	2
PAG	SX351	87	21.8	7	1
PAYMASTER	8201	79	21.5	8	2
SUPER CROST	7600	81	23.3	7	2
AVERAGE ALL ENTRIES		81.1	21.8	8.9	1.1
DIF. REQ. FOR SIG.	5%	9.9	1.6	N.S.	1.8
	25%	5.7	0.9	5.0	1.0
		4 YEAR AVERAGE			
-----	NEBR. 611	70	19.2	10	1
-----	NEBR. 714	76	21.0	6	0
-----	NEBR. 715	69	21.6	3	0
BO-JAC	562	75	21.5	8	3
CARGILL	967	71	20.2	5	1
HORIZON	861	70	19.7	12	3
NORTHRUP KING	PX74	67	19.5	7	3
PAG	SX333	65	19.8	8	2
PAG	SX351	76	19.9	5	1
PAYMASTER	8201	65	19.4	6	3
SUPER CROST	7600	69	21.3	6	2
AVERAGE ALL ENTRIES		70.2	20.3	6.9	1.7
DIF. REQ. FOR SIG.	5%	7.2	1.3	N.S.	1.9
	25%	4.2	0.7	3.6	1.1
		5 YEAR AVERAGE			
-----	NEBR. 611	78	18.8	9	0
-----	NEBR. 714	85	21.0	6	0
-----	NEBR. 715	78	21.6	3	0
BO-JAC	562	85	21.5	7	3
CARGILL	967	82	19.9	4	1
NORTHRUP KING	PX74	78	19.4	6	2
PAG	SX333	78	19.6	7	2
PAYMASTER	8201	78	19.4	5	2
AVERAGE ALL ENTRIES		80.4	20.2	5.9	1.3
DIF. REQ. FOR SIG.	5%	N.S.	1.2	N.S.	1.7
	25%	4.7	0.7	2.6	1.0

TABLE 3a. ZONE II IRRIGATED. SUMMARY. 1983.

BRAND	HYBRID	YIELD 1983 AVERAGE AVERAGE BU/A	CLAY BU/A	HARLAN BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	STALK RCT
-----	NEBR. EXP. 9066	149	120	178	22.5	2	1	19
-----	NEBR. EXP. 9067	136	128	144	22.3	4	0	33
-----	NEBR. 611	155	134	175	20.1	4	1	13
-----	NEBR. 714	155	132	177	21.6	2	0	6
-----	NEBR. 715	148	143	152	23.4	2	1	6
ASGROW	EXP 2148	153	118	188	22.0	2	2	14
ASGROW	RX777	147	135	158	20.8	2	0	21
ASGROW	RX90	150	123	176	20.9	2	1	17
BO-JAC	452	152	138	166	19.0	1	1	10
BO-JAC	5601	151	133	169	21.0	3	1	20
BO-JAC	5603	165	141	189	20.0	3	0	12
BO-JAC	601	156	136	175	20.1	2	1	9
CARGILL	949	157	132	182	20.9	3	1	15
CARGILL	955	144	110	177	21.0	2	0	3
CARGILL	967	162	124	200	21.1	1	0	6
CARGILL	980	158	125	191	23.6	1	2	6
CENEX	2114	132	114	150	19.1	5	1	17
CENEX	2115	146	123	168	21.6	2	2	8
CENEX	2124	152	126	177	23.9	4	1	12
CROW'S	444	144	132	155	18.2	1	0	8
CROW'S	688	157	139	174	21.6	2	1	19
CURRY	1455	153	141	164	20.3	1	0	13
CURRY	1460	139	120	158	17.1	4	1	15
CURRY	1490	162	141	182	20.6	2	0	17
DEKALB	DK-699	143	107	178	22.5	2	1	9
DEKALB	EXP-365	151	135	167	20.9	1	1	6
DEKALB	T1230	170	143	197	24.1	1	0	12
DEKALB	XL-73	150	132	167	21.7	3	1	18
EK PREMIUM	EK7780	153	125	180	20.1	1	0	3
EK PREMIUM	EK7796	149	137	161	20.3	1	0	3
EK PREMIUM	EK8805	161	141	180	21.1	3	1	13
EK PREMIUM	EK9900	157	133	181	23.4	4	2	13
FONTANELLE	427	148	128	167	18.6	2	1	13
FONTANELLE	435	159	145	172	20.4	1	0	11
FONTANELLE	625	148	129	166	22.4	2	1	9
FONTANELLE	680	147	134	160	22.7	4	0	25
FUNK'S	G-4514	162	146	177	20.5	4	1	20
FUNK'S	G-4522	160	142	177	21.0	2	2	19
GOLDEN ACRES	T-E 6995	136	117	155	21.3	3	1	8
GOLDEN ACRES	T-E 6995-A	142	128	155	20.4	2	1	8
GOLDEN ACRES	T-E 6996	156	133	179	22.7	3	1	25
GOLDEN ACRES	T-E 6998	152	124	180	23.4	4	1	16
HAWKEYE	SX50A	152	138	166	19.4	2	1	15
HAWKEYE	SX56	159	129	189	20.0	2	0	10
HAWKEYE	SX60	157	129	185	21.1	3	1	14
HORIZON	212	141	121	161	20.3	2	0	7
HORIZON	717	163	136	189	20.2	1	1	4
HORIZON	718	152	135	168	21.2	2	1	15
HORIZON	871	166	135	196	20.5	1	1	10
JACQUES	JX180	151	130	172	20.6	2	1	14
JACQUES	JX247	156	124	187	24.0	4	0	14
JACQUES	7900	156	132	180	20.6	3	1	13
JACQUES	8400	158	142	173	23.0	2	2	22
KELTGEN	KS 114	145	128	162	21.5	2	1	9
KELTGEN	KS 1150	156	135	176	20.7	2	2	14

CONTINUED

TABLE 3a. CONCLUDED.

BRAND	HYBRID	YIELD 1983 AVERAGE AVERAGE BU/A	CLAY BU/A	HARLAN BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	STALK RCT
KELTGEN	KS 116	149	138	159	23.0	0	1	12
LEWIS	X59B	149	131	166	20.4	1	1	13
LEWIS	X62BB	160	134	186	21.8	2	1	24
LEWIS	X74B	163	145	180	23.1	2	0	16
LEWIS	X81B	164	135	192	22.2	2	0	1
LYNKS	LX 4210	133	119	147	18.0	1	0	8
LYNKS	LX 4315	154	133	174	20.0	1	0	9
LYNKS	LX 4355	154	126	181	20.6	2	1	23
LYNKS	LX 4373	153	136	170	23.1	3	0	14
MCCURDY	6555	142	133	151	18.6	1	1	14
MCCURDY	7384	157	132	181	21.3	2	2	19
MCCURDY	7676	158	128	188	20.2	2	0	18
MCCURDY	81-61	157	130	183	20.5	2	1	15
NORTHRUP KING	PX74	156	136	176	21.0	2	1	16
NORTHRUP KING	PX9455	130	109	150	16.9	1	0	14
NORTHRUP KING	PX9527	146	130	161	19.8	1	1	17
NORTHRUP KING	PX9581	154	134	173	22.0	3	0	10
O'S GOLD	2570	168	149	186	21.0	2	0	13
O'S GOLD	5291	162	144	179	23.3	1	1	5
PAG	SX333	155	134	175	20.4	2	1	19
PAG	SX351	151	136	165	21.1	1	1	25
PAG	SX354	149	134	164	22.8	2	0	22
PAG	SX379	157	120	193	24.2	3	1	13
PAYCO	SX 860	146	119	173	18.9	1	1	7
PAYCO	SX 900	163	140	185	20.8	2	1	5
PAYCO	SX 925	111	86	135	19.6	2	2	12
PAYMASTER	7190	146	121	171	19.7	3	0	25
PAYMASTER	8201	154	143	165	21.0	3	0	21
PRAIRIE STREAM	M6500	150	129	171	21.6	3	1	20
PRAIRIE STREAM	M6900	143	123	162	22.3	1	1	10
PRAIRIE STREAM	SX50	143	135	150	19.0	2	0	9
RENZE	6340	159	142	175	19.9	3	0	8
RENZE	6350	143	113	172	19.8	1	0	3
RENZE	6360	155	147	162	21.5	4	0	11
RENZE	6415	149	134	164	21.7	2	1	19
S BRAND	SS55A	137	121	153	19.6	2	0	15
S BRAND	SS58	147	134	159	19.8	2	1	12
S BRAND	SS59	145	130	159	19.8	3	1	10
S BRAND	SS64	158	142	173	21.3	4	1	16
SOKOTA	TS-75	142	120	164	20.0	3	0	7
SOKOTA	810	149	119	178	20.2	0	0	7
SOKOTA	820	162	140	184	20.5	2	0	3
SUPER CROST	4337	141	127	154	19.4	3	1	15
SUPER CROST	5438	150	136	164	20.6	1	0	12
SUPER CROST	7600	150	122	178	22.9	3	0	7
W-M HYBRIDS	1414	169	137	200	23.7	4	0	18
W-M HYBRIDS	6570	120	94	145	17.5	1	0	4
W-M HYBRIDS	7070	154	149	159	21.1	0	0	25
W-M HYBRIDS	9090	134	101	166	20.0	3	1	23
WAC	9200	148	124	172	21.1	3	2	16
WILSON	1600	138	120	156	19.2	2	0	5
WILSON	1700	159	139	178	20.0	1	1	9
WILSON	1800B	155	135	174	21.4	2	0	21
AVERAGE ALL ENTRIES		151.1	130.3	171.4	20.9	2.2	0.7	13.2
DIF. REQ. FOR SIG.	5%	20.0	20.8	29.1	1.2	N.S.	N.S.	14.1
	25%	11.7	12.2	17.1	0.7	1.4	N.S.	8.2

TABLE 3b. ZONE II SOUTH CENTRAL IRRIGATED. 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	STALK ROT PCT
		2 YEAR AVERAGE				
-----	NEBR. 611	148	20.3	2	1	19
-----	NEBR. 714	146	22.3	3	1	17
-----	NEBR. 715	143	24.7	2	1	21
ASGROW	RX777	150	20.8	1	2	23
ASGROW	RX90	154	21.9	2	1	28
BO-JAC	452	143	19.0	1	1	25
BO-JAC	5601	152	22.1	2	1	28
CARGILL	949	158	21.4	2	1	23
CARGILL	967	154	21.3	1	1	13
CARGILL	980	155	24.4	2	1	18
CENEX	2114	137	18.6	2	1	22
CENEX	2124	156	24.0	3	2	15
CROW'S	688	150	22.5	2	1	31
CURRY	1455	145	19.6	2	1	26
CURRY	1490	164	21.4	1	0	19
DEKALB	T1230	160	24.4	1	0	20
DEKALB	XL-73	152	22.2	2	1	27
FONTANELLE	435	153	20.2	1	1	26
FONTANELLE	680	152	23.8	3	0	28
FUNK'S	G-4522	153	21.4	1	1	23
GOLDEN ACRES	T-E 6995	128	20.4	2	1	16
GOLDEN ACRES	T-E 6995-A	135	20.2	1	1	13
GOLDEN ACRES	T-E 6998	149	24.4	3	2	22
HAWKEYE	SX50A	155	19.6	1	1	27
HAWKEYE	SX60	160	21.6	3	1	15
HORIZON	212	144	20.7	2	1	16
JACQUES	JX180	146	21.2	2	1	22
JACQUES	JX247	145	24.6	3	1	20
KELTGEN	KS 116	149	23.8	2	1	21
LYNKS	LX 4315	144	20.8	1	0	25
LYNKS	LX 4355	152	21.6	2	1	20
MCCURDY	6555	142	18.2	1	0	22
MCCURDY	7384	149	21.9	2	2	27
MCCURDY	7676	153	20.8	1	1	20
NORTHRUP KING	PX74	148	20.2	1	1	18
O'S GOLD	2570	160	21.1	2	1	18
O'S GOLD	5291	153	25.1	2	2	16
PAG	SX333	156	21.4	2	0	21
PAG	SX351	155	21.6	2	0	23
PAYCO	SX 860	149	19.1	1	1	17
PAYCO	SX 900	160	21.7	2	1	16
PAYMASTER	8201	154	21.6	2	1	30
PRAIRIE STREAM	SX50	155	19.8	1	1	18
SOKOTA	TS-75	140	20.1	2	1	14
SOKOTA	820	156	21.4	2	1	13
SUPER CROST	4337	140	19.3	2	1	25
SUPER CROST	5438	154	22.0	1	0	16
SUPER CROST	7600	147	24.5	3	1	23
WILSON	1600	146	19.1	1	0	20
WILSON	1700	156	21.1	1	1	19
WILSON	1800B	155	22.0	2	1	29
AVERAGE ALL ENTRIES		150.0	21.5	1.8	0.9	21.0
DIF. REQ. FOR SIG.	5%	N.S.	1.6	N.S.	N.S.	N.S.
	25%	9.9	0.9	N.S.	N.S.	N.S.

TABLE 3c. ZONE II SOUTH CENTRAL IRRIGATED. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	STALK ROT PCT
		3 YEAR AVERAGE				
-----	NEBR. 611	149	20.4	2	1	17
-----	NEBR. 714	146	22.3	2	1	21
-----	NEBR. 715	142	24.3	1	0	17
ASGROW	RX777	156	20.9	1	1	19
ASGROW	RX90	157	21.9	2	1	22
BO-JAC	452	149	19.9	1	1	17
CARGILL	949	159	21.6	2	0	23
CARGILL	967	157	21.2	1	1	10
CENEX	2114	141	19.3	2	0	17
CENEX	2124	161	24.3	2	1	12
CROW'S	688	153	22.4	1	1	24
CURRY	1455	149	20.0	1	0	18
DEKALB	XL-73	159	22.5	2	1	19
GOLDEN ACRES	T-E 6995	138	21.2	1	0	11
GOLDEN ACRES	T-E 6995-A	140	20.4	1	1	11
HAWKEYE	SX60	163	21.8	2	1	12
HORIZON	212	148	20.7	1	1	11
LYNKS	LX 4315	145	20.9	1	0	18
LYNKS	LX 4355	154	22.0	1	0	15
MCCURDY	6555	147	19.1	1	0	16
MCCURDY	7676	156	20.9	1	1	15
NORTHRUP KING	PX74	155	20.7	1	1	17
O'S GOLD	5291	156	24.7	1	1	13
PAG	SX333	157	21.5	1	0	20
PAG	SX351	158	22.1	2	0	16
PAYCO	SX 860	153	19.9	1	1	12
PAYMASTER	8201	160	21.6	2	1	25
PRAIRIE STREAM	SX50	157	20.2	1	1	14
SOKOTA	TS-75	147	20.2	2	1	11
SUPER CROST	4337	146	20.0	1	0	17
SUPER CROST	7600	151	24.3	2	1	17
WILSON	1600	151	19.8	1	0	15
AVERAGE ALL ENTRIES		151.8	21.3	1.4	0.6	16.3
DIF. REQ. FOR SIG.	5%	12.5	1.5	N.S.	N.S.	N.S.
	25%	7.2	0.9	N.S.	N.S.	N.S.
		4 YEAR AVERAGE				
-----	NEBR. 611	150	19.2	2	1	15
-----	NEBR. 714	143	20.8	2	1	18
-----	NEBR. 715	138	22.5	1	1	15
ASGROW	RX90	151	20.5	2	2	18
BO-JAC	452	150	18.7	1	1	14
CARGILL	949	154	20.2	2	1	19
CARGILL	967	152	20.0	1	1	10
CENEX	2114	141	18.2	2	0	14
CURRY	1455	147	18.7	2	1	17
GOLDEN ACRES	T-E 6995	137	19.9	2	1	11
GOLDEN ACRES	T-E 6995-A	137	19.3	1	1	11
LYNKS	LX 4315	146	19.5	1	0	15
MCCURDY	6555	146	18.1	1	0	13
NORTHRUP KING	PX74	150	19.5	1	2	15
PAG	SX333	153	20.2	2	1	17
PAG	SX351	155	20.6	1	0	15
PAYMASTER	8201	153	20.1	2	1	20
SOKOTA	TS-75	146	18.9	1	1	11
SUPER CROST	7600	151	22.8	2	1	15
WILSON	1600	149	18.4	1	0	14
AVERAGE ALL ENTRIES		147.4	19.8	1.5	0.9	14.9
DIF. REQ. FOR SIG.	5%	11.9	1.3	N.S.	N.S.	N.S.
	25%	6.9	0.7	N.S.	0.5	N.S.
		5 YEAR AVERAGE				
-----	NEBR. 611	152	18.8	6	1	20
-----	NEBR. 714	148	20.3	6	1	22
-----	NEBR. 715	147	21.6	5	1	20
ASGROW	RX90	156	19.8	7	2	24
CARGILL	949	161	19.7	5	2	23
CARGILL	967	158	19.5	6	2	14
GOLDEN ACRES	T-E 6995	143	19.5	6	1	15
GOLDEN ACRES	T-E 6995-A	143	18.9	4	1	15
NORTHRUP KING	PX74	155	19.2	5	2	21
PAG	SX333	157	19.6	7	1	21
PAG	SX351	160	20.0	5	1	17
PAYMASTER	8201	157	19.7	7	2	24
AVERAGE ALL ENTRIES		152.9	19.7	5.8	1.4	19.7
DIF. REQ. FOR SIG.	5%	10.6	1.5	N.S.	N.S.	N.S.
	25%	6.1	0.9	1.1	0.5	4.4

TABLE 4a. ZONE III NORTHEAST. DIXON COUNTY. 1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
-----	NEBR. 611	107	19.5	2	0
ASGROW	RX717	114	18.1	0	0
ASGROW	RX777	116	18.7	1	0
CARGILL	921	122	18.3	0	0
CARGILL	949	124	19.5	0	0
CARGILL	955	118	19.3	0	0
CARGILL	967	123	19.7	1	1
CENEX	2110	106	16.0	1	0
CENEX	2114	100	16.9	0	0
CROW'S	431	91	17.4	0	0
CROW'S	444	100	16.2	0	0
CROW'S	666	122	21.0	0	0
CURRY	1424	102	16.0	0	0
CURRY	1450	107	15.8	1	0
CURRY	1455	106	16.7	0	0
CURRY	1490	120	20.5	1	0
DEKALB	DK-556	96	15.4	1	0
DEKALB	EXP-365	133	20.0	1	0
DEKALB	T1100	106	17.8	0	0
DEKALB	XL-55A	100	18.9	4	0
EK PREMIUM	EK7780	113	17.3	0	0
FONTANELLE	427	110	17.2	0	0
FONTANELLE	435	106	18.1	0	0
FONTANELLE	4528	100	15.5	0	0
FUNK'S	G-4514.	120	17.7	0	0
FUNK'S	G-4522	118	19.1	0	0
HORIZON	211	105	19.2	0	0
HORIZON	717	120	19.0	0	0
HORIZON	861	105	20.4	1	1
HORIZON	871	114	18.8	1	0
JACQUES	JX179	124	18.8	0	0
JACQUES	7900	132	19.4	1	0
KALTENBERG	KX67	97	15.1	0	0
KALTENBERG	KX77	122	19.5	1	0
LYNKS	LX 4225	87	15.5	0	0
LYNKS	LX 4232	101	15.5	0	0
LYNKS	LX 4315A	98	17.9	1	0
LYNKS	LX 4355	120	19.6	1	1
MCCURDY	5596	99	15.2	0	0
MCCURDY	6555	102	16.2	1	0

CONTINUED

TABLE 4a. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
MCCURDY	7384	126	20.2	0	0
MCCURDY	81-6	132	19.8	1	0
NORTHRUP KING	PX74	105	20.2	0	0
NORTHRUP KING	PX9455	115	15.4	1	0
NORTHRUP KING	PX9527	109	17.0	1	0
O'S GOLD	2450	81	16.9	0	0
O'S GOLD	6882	114	17.2	1	0
PAG	EXP. 111571	107	16.5	0	0
PAG	EXP. 193084	97	17.2	0	0
PAG	SX275	104	16.7	1	0
PAYCO	SX 824	94	18.3	1	0
PAYCO	SX 860	92	16.5	1	0
PAYCO	SX 900	114	19.0	0	0
PAYCO	SX 925	83	19.0	0	0
PAYMASTER	4790	97	16.6	0	1
PAYMASTER	7190	115	19.6	1	0
PAYMASTER	8201	128	20.1	0	0
RENZE	6340	105	16.9	0	0
RENZE	6346	112	16.4	1	0
RENZE	6360	104	17.9	1	0
RENZE	6412	128	19.5	0	0
S BRAND	SS55A	108	17.2	0	0
S BRAND	SS58	102	17.6	0	0
S BRAND	SS59	96	17.9	0	0
S BRAND	SS64	124	20.2	1	0
SOKOTA	TS-75	97	17.0	0	0
SOKOTA	676	102	17.4	0	0
SOKOTA	810	121	19.6	0	0
WAC	895	91	14.3	0	0
WILSON	1100B	104	15.4	0	0
WILSON	1600	101	16.7	0	0
AVERAGE ALL ENTRIES		108.6	17.8	0.4	0.1
DIF. REQ. FOR SIG.	5%	16.9	1.2	1.4	0.4
	25%	10.0	0.7	0.8	0.2

TABLE 4b. ZONE III NORTHEAST NONIRRIGATED. 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
-----	NEBR. 611	121	20.5	3	0
ASGROW	RX777	125	19.4	8	0
CARGILL	921	133	19.2	2	0
CARGILL	949	135	19.9	2	1
CARGILL	967	137	20.4	4	1
CENEX	2114	113	18.3	3	1
CROW'S	444	109	17.2	4	1
CROW'S	666	127	21.6	3	1
CURRY	1424	115	17.0	1	0
CURRY	1455	120	17.8	4	0
CURRY	1490	128	20.5	5	1
DEKALB	T1100	117	18.5	3	0
DEKALB	XL-55A	107	19.0	9	0
FONTANELLE	435	118	18.8	2	0
HORIZON	861	118	20.3	3	1
JACQUES	JX179	125	19.9	5	1
KALTENBERG	KX67	115	16.7	2	0
KALTENBERG	KX77	131	20.4	2	0
LYNKS	LX 4225	112	16.9	4	0
LYNKS	LX 4315A	111	18.6	2	0
LYNKS	LX 4355	128	20.3	3	1
MCCURDY	5596	116	16.9	2	0
MCCURDY	6555	115	17.4	6	1
MCCURDY	7384	128	20.9	2	0
NORTHRUP KING	PX74	116	20.2	3	1
O'S GOLD	6882	125	18.1	3	0
PAYCO	SX 824	110	18.9	2	0
PAYCO	SX 860	113	17.9	3	0
PAYCO	SX 900	128	20.0	2	0
PAYMASTER	4790	111	17.6	4	1
PAYMASTER	8201	130	20.1	2	1
SOKOTA	TS-75	113	17.9	2	0
WILSON	1100B	116	16.7	1	1
WILSON	1600	113	17.8	4	0
AVERAGE ALL ENTRIES		119.8	18.9	3.2	0.4
DIF. REQ. FOR SIG.	5%	12.0	1.3	N.S.	N.S.
	25%	6.9	0.8	1.9	N.S.

TABLE 4c. ZONE III NORTHEAST NONIRRIGATED. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		3 YEAR AVERAGE			
-----	NEBR. 611	111	20.1	6	0
ASGROW	RX777	115	19.2	8	0
CARGILL	921	124	19.2	3	1
CARGILL	949	118	19.8	3	1
CENEX	2114	111	18.4	4	1
CURRY	1424	111	16.9	3	0
CURRY	1455	115	18.0	5	0
DEKALB	T1100	110	18.4	4	1
DEKALB	XL-55A	102	18.8	12	0
FONTANELLE	435	111	18.5	5	1
HORIZON	861	108	19.9	4	1
KALTENBERG	KX67	110	16.6	3	1
LYNKS	LX 4355	120	20.6	2	1
MCCURDY	5596	110	17.0	6	0
MCCURDY	6555	112	17.6	7	1
NORTHRUP KING	PX74	111	20.4	4	1
O'S GOLD	6882	115	18.2	4	2
PAYCO	SX 860	109	18.1	5	0
PAYMASTER	4790	103	17.6	5	1
PAYMASTER	8201	121	19.8	3	2
SOKOTA	TS-75	110	17.9	4	0
WILSON	1600	108	17.9	4	0
AVERAGE ALL ENTRIES		112.0	18.6	4.7	0.7
DIF. REQ. FOR SIG.	5%	N.S.	0.9	3.6	1.0
	25%	5.9	0.5	2.1	0.6
		4 YEAR AVERAGE			
-----	NEBR. 611	108	19.1	4	0
ASGROW	RX777	112	18.4	6	1
CARGILL	921	115	18.0	2	1
CENEX	2114	105	17.4	3	1
CURRY	1424	105	16.1	2	0
CURRY	1455	106	17.0	4	0
HORIZON	861	107	18.9	3	1
MCCURDY	6555	106	16.6	5	1
NORTHRUP KING	PX74	102	19.2	3	1
PAYMASTER	4790	93	16.6	4	2
PAYMASTER	8201	110	18.8	2	1
SOKOTA	TS-75	104	17.0	3	0
WILSON	1600	100	17.0	3	1
AVERAGE ALL ENTRIES		105.6	17.7	3.4	0.8
DIF. REQ. FOR SIG.	5%	N.S.	0.8	N.S.	N.S.
	25%	6.8	0.5	N.S.	0.7
		5 YEAR AVERAGE			
-----	NEBR. 611	122	19.7	4	0
ASGROW	RX777	124	18.9	5	1
CURRY	1455	116	17.3	3	0
HORIZON	861	123	19.7	3	1
PAYMASTER	8201	124	19.4	2	1
AVERAGE ALL ENTRIES		121.7	19.0	3.4	0.6
DIF. REQ. FOR SIG.	5%	N.S.	0.9	N.S.	N.S.
	25%	N.S.	0.5	N.S.	N.S.

TABLE 5a. ZONE III NORTHEAST IRRIGATED. 1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
-----	NEBR. 611	147	19.2	7	0
ASGROW	RX717	142	17.9	6	0
ASGROW	RX777	171	20.3	5	1
CARGILL	921	146	17.8	10	0
CARGILL	949	157	19.4	9	2
CARGILL	955	134	19.8	3	1
CARGILL	967	163	18.9	10	0
CENEX	2110	136	17.0	4	0
CENEX	2114	143	18.2	4	2
CROW'S	431	133	18.0	3	1
CROW'S	444	140	17.5	1	0
CROW'S	666	151	19.4	5	2
CURRY	1424	138	17.3	2	0
CURRY	1450	128	16.7	9	1
CURRY	1455	146	17.9	4	1
CURRY	1490	160	19.3	4	1
DEKALB	DK-556	136	18.2	4	1
DEKALB	EXP-365	148	19.2	4	2
DEKALB	T1100	137	18.8	3	1
DEKALB	XL-55A	145	18.5	7	0
EK PREMIUM	EK7780	159	19.0	4	1
FONTANELLE	427	145	18.9	3	0
FONTANELLE	435	147	19.0	2	0
FONTANELLE	4528	132	16.7	3	0
FUNK'S	G-4514	145	18.9	4	0
FUNK'S	G-4522	155	20.1	7	0
HORIZON	211	151	18.9	3	0
HORIZON	717	158	18.9	6	0
HORIZON	861	141	19.3	11	0
HORIZON	871	138	18.4	3	1
JACQUES	JX179	148	19.8	6	0
JACQUES	7900	163	19.3	4	1
KALTENBERG	KX67	127	17.2	5	1
KALTENBERG	KX77	150	19.2	4	3
LYNKS	LX 4225	143	17.7	4	1
LYNKS	LX 4232	140	16.8	4	0
LYNKS	LX 4315A	154	18.9	4	1
LYNKS	LX 4355	161	19.5	5	1
MCCURDY	5596	141	17.6	10	1
MCCURDY	6555	132	18.0	6	0

CONTINUED

TABLE 5a. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
MCCURDY	7384	138	18.8	4	2
MCCURDY	81-6	161	20.2	4	1
NORTHRUP KING	PX74	134	19.4	5	2
NORTHRUP KING	PX9455	121	16.9	7	1
NORTHRUP KING	PX9527	135	18.3	1	0
O'S GOLD	2450	112	16.7	4	2
O'S GOLD	6882	147	18.3	3	0
PAG	EXP. 111571	139	16.8	3	1
PAG	EXP. 193084	116	17.7	4	0
PAG	SX275	128	17.7	4	2
PAYCO	SX 824	138	18.9	3	0
PAYCO	SX 860	143	17.9	2	1
PAYCO	SX 900	143	19.3	5	1
PAYCO	SX 925	91	18.2	2	0
PAYMASTER	4790	130	17.3	5	1
PAYMASTER	7190	148	18.7	6	0
PAYMASTER	8201	155	19.5	4	2
RENZE	6340	147	18.0	6	1
RENZE	6346	157	18.1	4	1
RENZE	6360	140	18.6	1	1
RENZE	6412	145	18.3	7	2
S BRAND	SS55A	138	18.8	11	0
S BRAND	SS58	140	18.3	3	1
S BRAND	SS59	147	19.0	6	1
S BRAND	SS64	130	20.1	4	4
SOKOTA	TS-75	162	18.6	5	0
SOKOTA	676	124	17.4	3	1
SOKOTA	810	159	19.4	6	1
WAC	895	126	16.1	6	0
WILSON	1100B	124	17.2	5	0
WILSON	1600	130	18.4	2	1
AVERAGE ALL ENTRIES		142.0	18.4	4.7	0.8
DIF. REQ. FOR SIG.	5%	17.4	0.9	4.7	N.S
	25%	10.2	0.5	2.7	1.0

TABLE 5b. ZONE III NORTHEAST NONIRRIGATED. 1981, 1983. NO 1982 DATA.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
-----	NEBR. 611	140	20.2	8	0
ASGROW	RX777	169	20.5	6	1
CARGILL	921	153	19.0	15	1
CARGILL	949	147	21.2	8	1
CENEX	2114	147	19.1	6	1
CURRY	1424	137	17.6	4	0
CURRY	1455	138	19.1	5	1
DEKALB	T1100	140	19.4	5	1
DEKALB	XL-55A	140	18.6	13	1
EK PREMIUM	EK7780	157	19.5	4	1
FONTANELLE	435	153	20.0	5	0
FUNK'S	G-4522	152	21.1	6	1
HORIZON	861	145	20.4	12	1
KALTENBERG	KX67	133	17.8	4	1
LYNKS	LX 4355	166	20.9	6	1
MCCURDY	5596	136	18.4	17	1
MCCURDY	6555	137	19.6	6	0
NORTHRUP KING	PX74	156	19.8	7	1
O'S GOLD	6882	144	19.5	5	1
PAYCO	SX 860	140	18.9	5	1
PAYMASTER	4790	134	18.3	5	1
PAYMASTER	8201	159	20.1	6	2
SOKOTA	TS-75	152	19.7	5	1
WILSON	1600	135	19.0	4	1
AVERAGE ALL ENTRIES		146.0	19.5	7.0	0.9
DIF. REQ. FOR SIG.	5%	20.7	1.2	5.9	N.S.
	25%	11.8	0.7	3.4	N.S.

TABLE 5c. ZONE III NORTHEAST IRRIGATED 1978-1983. NO 1982 DATA.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		3 YEAR AVERAGE			
-----	NEBR. 611	148	18.4	7	1
ASGROW	RX777	175	19.1	6	1
CARGILL	921	161	17.2	11	1
CENEX	2114	157	17.6	5	1
CURRY	1424	145	16.1	4	0
CURRY	1455	153	17.4	4	0
HORIZON	861	160	18.7	10	1
MCCURDY	6555	144	17.6	4	1
NORTHRUP KING	PX74	162	18.4	6	3
PAYMASTER	4790	141	16.7	4	2
PAYMASTER	8201	166	18.5	5	3
SOKOTA	TS-75	155	17.8	4	1
WILSON	1600	149	17.4	3	1
AVERAGE ALL ENTRIES		155.1	17.8	5.6	1.2
DIF. REQ. FOR SIG.	5%	17.7	0.8	3.5	N.S.
	25%	10.1	0.5	2.0	1.0
		4 YEAR AVERAGE			
-----	NEBR. 611	156	19.2	5	1
ASGROW	RX777	182	19.5	4	1
CURRY	1455	153	17.1	4	0
HORIZON	861	170	19.4	8	1
PAYMASTER	8201	173	19.3	4	2
AVERAGE ALL ENTRIES		166.8	18.9	5.0	1.0
DIF. REQ. FOR SIG.	5%	16.2	1.5	1.7	N.S.
	25%	9.0	0.9	0.9	0.7
		5 YEAR AVERAGE			
-----	NEBR. 611	151	18.9	5	0

Location of tests (Counties): 1978 Antelope, 1979 Madison, 1980 Madison, 1981 Antelope, 1983 Pierce.

TABLE 6a. SOUTHWEST ECOFALLOW. LINCOLN COUNTY. 1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	EARS 100 PLANTS
-----	NEBR. 611	45	22.3	2	2	82
ASGROW	RX511	42	11.1	1	2	67
ASGROW	RX777	35	18.8	2	0	68
BO-JAC	381	52	13.0	1	0	86
BO-JAC	601	25	15.0	4	1	61
CARGILL	949	14	21.1	0	1	48
CARGILL	955	34	17.3	0	1	75
CARGILL	967	21	23.8	1	1	64
CENEX	2106	57	10.9	2	1	96
CENEX	2110	46	13.6	1	1	93
DEKALB	EXP-359	29	17.7	3	2	70
DEKALB	EXP-365	15	19.1	2	0	50
DEKALB	T1100	28	17.2	5	0	81
DEKALB	XL-55A	41	17.5	5	1	80
FUNK'S	4029X	41	18.1	0	1	76
HORIZON	212	22	18.1	4	0	71
HORIZON	717	22	16.0	1	1	56
HORIZON	871	24	19.9	0	0	60
JACQUES	7790	38	18.5	1	1	77
JACQUES	7900	31	19.9	3	1	77
LYNKS	LX 4232	51	12.6	2	1	91
NORTHRUP KING	PX9415	39	15.7	11	4	81
NORTHRUP KING	PX9455	49	13.3	4	3	83
PAYCO	SX 824	37	18.7	2	0	84
PAYCO	SX 860	28	17.4	2	1	72
PAYCO	SX 872	34	12.9	1	3	67
WAC	9200	14	21.0	1	0	49
WILSON	1100B	44	14.4	2	1	91
AVERAGE ALL ENTRIES		34.2	17.0	2.3	1.1	73.4
DIF. REQ. FOR SIG.	5%	12.4	2.1	N.S.	N.S.	20.2
	25%	7.3	1.2	4.0	2.7	11.9

TABLE 6b. SOUTHWEST ECOFALLOW. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	EARS/ 100 PLANTS
		2 YEAR AVERAGE				
-----	NEBR. 611	62	26.3	3	2	98
ASGROW	RX777	58	23.0	2	2	99
CARGILL	949	39	28.6	2	2	81
CARGILL	967	48	30.4	2	2	95
DEKALB	T1100	48	23.4	3	1	102
DEKALB	XL-55A	64	21.9	4	2	109
JACQUES	7790	63	22.3	2	1	98
LYNKS	LX 4232	67	18.7	3	3	108
PAYCO	SX 824	64	22.2	2	1	96
PAYCO	SX 860	51	23.4	2	2	97
WILSON	1100B	67	17.9	3	1	122
AVERAGE ALL ENTRIES		57.2	23.5	2.5	1.7	100.5
DIF. REQ. FOR SIG.	5%	11.8	4.6	N.S.	N.S.	N.S.
	25%	6.5	2.5	N.S.	N.S.	12.6
		3 YEAR AVERAGE				
-----	NEBR. 611	86	27.3	2	2	102
ASGROW	RX777	84	24.0	1	1	105
CARGILL	949	71	29.0	1	1	93
CARGILL	967	82	29.7	2	1	108
DEKALB	T1100	77	24.5	3	1	114
WILSON	1100B	88	19.3	2	1	132
AVERAGE ALL ENTRIES		81.4	25.6	1.8	1.2	109.0
DIF. REQ. FOR SIG.	5%	16.5	3.9	N.S.	N.S.	17.1
	25%	9.0	2.1	1.5	0.9	9.3
		4 YEAR AVERAGE				
-----	NEBR. 611	81	24.4	2	2	98
		5 YEAR AVERAGE				
-----	NEBR. 611	88	23.7	2	3	106

Location of tests (Counties): 1979 Lincoln, Frontier; 1980 Lincoln, Gosper; 1981 Lincoln, Red Willow; 1982 Lincoln; 1983 Lincoln.

TABLE 7a. WEST CENTRAL IRRIGATED. LINCOLN COUNTY. 1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	EARS 100 PLANTS
-----	NEBR. EXP. 9063	108	11.0	5	3	97
-----	NEBR. EXP. 9065	120	10.0	12	3	100
-----	NEBR. 611	136	14.8	10	4	102
ASGROW	RX717	121	12.0	10	8	95
ASGROW	RX777	158	14.9	14	4	99
ASGROW	RX90	159	15.3	21	12	99
BO-JAC	56A	159	14.8	9	4	98
BO-JAC	5601	172	15.0	11	8	101
BO-JAC	5603	166	14.9	10	3	101
BO-JAC	601	162	15.0	10	6	99
CARGILL	921	158	12.2	20	3	100
CARGILL	924	133	13.5	12	10	104
CARGILL	949	159	14.9	20	12	97
CARGILL	955	146	14.7	16	7	103
CURRY	1460	154	10.6	8	7	104
CURRY	1490	170	16.5	4	6	100
DEKALB	DK-556	131	11.5	8	2	102
DEKALB	EX-6261	129	13.3	15	7	96
DEKALB	EXP-356	130	11.5	8	5	102
DEKALB	T1100	128	12.8	5	4	98
EK PREMIUM	EK7780	124	12.5	9	6	101
EK PREMIUM	EK7796	156	14.9	10	3	99
EK PREMIUM	EK8805	165	16.3	16	6	100
EK PREMIUM	EK8806	154	14.4	16	8	103
FONTANELLE	427	132	12.7	5	5	96
FONTANELLE	435	145	14.1	7	4	99
FONTANELLE	4528	147	11.5	8	5	109
FUNK'S	4C29X	155	13.7	5	4	101
GOLDEN ACRES	T-E 6995	153	16.0	9	12	96
GOLDEN ACRES	T-E 6995-A	142	16.2	12	12	97
GOLDEN ACRES	T-E 6996	147	16.9	20	2	97
GOLDEN ACRES	T-E 6998	113	19.1	20	5	99
HORIZON	212	126	12.0	11	4	100
HORIZON	717	156	15.0	10	3	101
HORIZON	718	162	15.0	19	9	98
HORIZON	871	173	14.8	15	4	98
JACQUES	79C0	170	15.3	13	6	99
JACQUES	81C0	155	17.2	15	6	98
LYNKS	LX 4225	118	11.3	13	12	100
LYNKS	LX 4232	130	9.9	6	3	100

CONTINUED

TABLE 7a. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	EARS 100 PLANTS
LYNKS	LX 4315	142	12.6	7	5	101
LYNKS	LX 4355	169	15.4	8	5	102
MCCURDY	6555	132	11.9	7	5	102
MCCURDY	7384	168	16.0	10	8	101
MCCURDY	81-6	160	15.5	7	5	99
MCCURDY	81-61	163	14.3	10	3	97
NORTHRUP KING	PX9415	109	10.9	10	6	95
NORTHRUP KING	PX9455	132	10.7	10	3	98
NORTHRUP KING	PX9527	134	13.1	6	3	98
O'S GOLD	2570	154	15.8	14	4	101
O'S GOLD	5500A	151	16.2	13	14	100
PAG	SX243	129	11.6	6	8	99
PAG	SX275	132	11.6	6	4	101
PAG	SX333	152	15.1	10	9	97
PAYCO	SX 824	148	14.8	8	6	102
PAYCO	SX 872	133	11.3	10	6	99
PAYCO	SX 900	165	15.6	10	6	100
PAYCO	SX 925	90	14.3	3	1	106
PAYMASTER	4790	130	12.2	7	5	101
PAYMASTER	7190	152	13.3	17	4	103
PAYMASTER	8201	156	14.6	20	7	100
SOKOTA	TS-75	141	13.3	7	4	101
SOKOTA	680	154	10.9	9	5	99
SOKOTA	810	143	15.3	10	3	101
SOKOTA	820	164	15.7	15	5	98
W-M HYBRIDS	6570	121	10.7	6	4	103
W-M HYBRIDS	7070	150	13.8	4	2	100
W-M HYBRIDS	8080	133	15.5	21	10	98
WAC	920C	152	16.2	19	8	99
WILSON	1400B	124	10.2	10	5	98
WILSON	1600	139	12.3	10	4	103
WILSON	1700	165	14.5	6	4	97
AVERAGE ALL ENTRIES		144.6	13.8	10.9	5.7	99.8
DIF. REQ. FOR SIG.	5%	16.4	1.2	8.3	5.2	5.7
	25%	9.6	0.7	4.9	3.1	3.3

TABLE 7b. ZONE III WEST CENTRAL IRRIGATED. 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
-----	NEBR. 611	141	20.6	13	4
ASGROW	RX777	159	18.6	14	3
BO-JAC	5601	176	20.3	12	6
CARGILL	921	162	18.4	23	3
CARGILL	924	144	23.2	10	6
CARGILL	949	168	20.4	16	8
CURRY	1490	176	20.4	8	5
DEKALB	EX-6261	142	19.2	10	5
DEKALB	T1100	134	18.3	6	4
FONTANELLE	435	152	19.3	7	3
GOLDEN ACRES	T-E 6995	155	21.1	8	8
GOLDEN ACRES	T-E 6995-A	153	21.5	11	8
GOLDEN ACRES	T-E 6998	134	25.3	14	7
HORIZON	212	137	18.2	11	4
LYNKS	LX 4225	131	16.0	10	8
LYNKS	LX 4315	145	18.4	6	4
LYNKS	LX 4355	157	26.5	8	3
MCCURDY	6555	144	16.8	8	4
MCCURDY	7384	164	21.0	10	5
O'S GOLD	2570	166	20.2	10	4
O'S GOLD	5500A	168	21.4	10	8
PAG	SX333	167	20.7	11	7
PAYCO	SX 824	155	19.3	9	5
PAYCO	SX 900	168	20.1	12	4
PAYMASTER	4790	138	17.4	6	7
PAYMASTER	8201	161	20.0	16	6
SOKOTA	TS-75	144	18.6	8	3
WILSON	1400B	140	15.0	11	4
WILSON	1600	143	17.8	8	3
WILSON	1700	172	19.3	7	3
AVERAGE ALL ENTRIES		153.0	19.8	10.4	5.1
DIF. REQ. FOR SIG.	5%	15.5	3.8	7.1	N.S.
	25%	8.9	2.2	4.1	N.S.

TABLE 7c. ZONE III WEST CENTRAL IRRIGATED 1978-1983. NO 1979 DATA.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		3 YEAR AVERAGE			
-----	NEBR. 611	143	21.4	9	2
CARGILL	921	158	19.1	15	2
CARGILL	924	142	21.6	8	4
DEKALB	T1100	137	18.9	5	3
FONTANELLE	435	148	19.3	5	2
HORIZON	212	137	19.1	7	2
LYNKS	LX 4315	144	19.3	4	3
LYNKS	LX 4355	155	25.4	5	2
MCCURDY	6555	148	18.3	6	2
O'S GOLD	2570	163	20.7	7	2
O'S GOLD	5500A	166	21.7	7	5
PAG	SX333	163	21.4	7	5
PAYMASTER	4790	140	17.9	4	5
PAYMASTER	8201	158	20.2	11	4
SOKOTA	TS-75	145	19.6	6	2
WILSON	1600	145	18.6	5	2
AVERAGE ALL ENTRIES		149.3	20.2	6.9	2.9
DIF. REQ. FOR SIG.	5%	11.9	3.7	5.5	N.S.
	25%	6.4	2.1	3.1	N.S.
		4 YEAR AVERAGE			
-----	NEBR. 611	149	20.3	7	2
LYNKS	LX 4315	151	18.4	3	2
PAG	SX333	164	20.0	6	4
PAYMASTER	8201	168	19.4	8	3
WILSON	1600	158	18.0	4	1
AVERAGE ALL ENTRIES		158.0	19.2	5.6	2.4
DIF. REQ. FOR SIG.	5%	N.S.	1.1	N.S.	N.S.
	25%	8.6	0.6	2.7	0.9
		5 YEAR AVERAGE			
-----	NEBR. 611	148	20.2	6	2
PAG	SX333	163	19.9	5	3
AVERAGE ALL ENTRIES		155.8	20.1	5.5	2.5
DIF. REQ. FOR SIG.	5%	N.S.	N.S.	N.S.	N.S.
	25%	7.9	N.S.	N.S.	1.3

TABLE 8a. ZONE IV IRRIGATED. SUMMARY. 1983.

BRAND	HYBRID	YIELD AVERAGE BU/A	YIELD LOC1 BU/A	YIELD LOC2 BU/A	MOISTURE PCT	BROKEN PCT	BUSHEL WEIGHT	TASSEL JUNE 30 + DAYS	PLANT HEIGHT
-----	NEBR. EXP. 9063	138	131	145	20.6	4	52.3	30	110
-----	NEBR. EXP. 9065	130	153	107	26.0	4	51.2	31	124
ASGROW	RX511	136	153	118	21.2	1	51.1	35	117
ASGROW	RX717	109	133	85	29.5	0	47.0	36	125
ASGROW	RX777	137	149	124	28.4	4	52.0	36	123
BO-JAC	381	147	174	119	25.3	6	52.0	37	117
CARGILL	829	128	142	113	20.1	4	54.0	30	104
CARGILL	834	133	154	111	19.4	10	55.8	29	110
CARGILL	861	131	145	117	21.2	0	51.2	30	111
CARGILL	867	145	165	125	22.2	1	52.5	31	115
CENEX	2096	148	166	129	17.7	0	55.8	29	112
CENEX	2106	141	159	122	19.0	1	52.6	30	101
DEKALB	DK-484	143	166	119	20.5	1	51.8	32	106
DEKALB	T1000	136	146	126	22.7	0	51.6	30	103
DEKALB	T950	134	156	112	20.8	2	51.0	31	111
DEKALB	XL-32A	143	165	121	23.9	5	51.0	34	115
EK PREMIUM	EK7760	133	147	118	22.4	1	51.2	34	112
EK PREMIUM	EK7780	123	143	103	31.3	4	47.9	36	118
FONTANELLE	370	129	139	119	22.3	1	51.3	30	106
FUNK'S	29097	151	170	132	18.5	7	53.8	32	117
GREENWAY	GX50	136	158	113	22.1	7	52.3	35	122
HORIZON	202	136	151	121	20.7	1	52.3	31	118
HORIZON	206	125	129	120	21.7	0	51.5	36	121
HORIZON	211	139	162	115	26.2	3	53.3	35	118
HORIZON	212	139	159	119	26.5	1	49.9	36	117
JACQUES	JX77	131	147	115	20.7	2	51.7	28	105
JACQUES	JX97	144	150	137	19.8	1	51.9	31	106
KELTGEN	KS 1020	132	153	111	24.4	0	51.3	32	112
KELTGEN	KS 95	134	147	121	19.8	1	53.1	30	107
LYNKS	LX 4075	135	148	122	18.6	1	52.8	30	110
LYNKS	LX 4100	107	117	97	22.8	1	50.3	30	105
LYNKS	LX 4115	123	137	108	22.5	1	51.8	35	101
MCCURDY	4664	123	134	111	20.5	3	52.1	29	105
MCCURDY	5225	124	146	102	22.0	5	51.4	33	108
MCCURDY	5596	149	180	118	25.8	3	49.4	35	117
MCCURDY	81-58	147	168	126	25.1	3	51.6	36	113
NORTHRUP KING	PX9144	128	141	115	17.7	8	55.3	27	98
NORTHRUP KING	PX9288	133	150	116	20.5	2	55.0	29	107
NORTHRUP KING	PX9405	133	148	117	22.3	1	51.4	31	104
O'S GOLD	1170A	131	155	106	24.8	1	50.0	34	120
O'S GOLD	2450	108	129	86	22.3	1	51.8	34	110
PAG	SX179	135	148	122	20.2	1	52.0	29	110
PAG	SX193	141	156	125	20.7	1	51.1	32	112
PAG	SX195	139	152	125	22.3	1	52.2	30	113
PAG	SX239	140	151	129	22.0	1	52.2	29	106
PAYCO	SX 599	141	163	118	17.3	1	55.7	27	108
PAYCO	SX 620	144	171	117	20.4	2	52.1	31	110
PAYCO	SX 715	132	152	112	22.4	0	51.0	31	110
PAYMASTER	1990	130	142	118	20.6	1	52.0	28	110
PAYMASTER	2890	133	152	114	21.1	3	50.0	31	113
PAYMASTER	2990	129	146	111	22.3	0	49.9	30	106
SOKOTA	620	134	143	125	19.6	0	52.8	31	108
SOKOTA	676	131	150	112	24.0	0	52.4	30	110
WAC	895	137	154	120	20.4	4	50.4	34	111
WAC	918	116	130	102	37.6	0	47.8	37	130
WAC	920C	123	147	98	36.1	1	45.8	36	125
AVERAGE ALL ENTRIES		133.5	150.4	116.2	22.6	2.1	51.7	31.9	111.8
DIF. REQ. FOR SIG.	5%	17.7	20.4	15.6	3.7	N.S.	2.3	1.8	10.6
	25%	10.4	12.0	9.1	2.1	3.2	1.3	1.0	6.2

Table 8b. ZONE IV WEST IRRIGATED. 1982-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	PLANT HEIGHT IN
		2 YEAR AVERAGE			
ASGROW	RX511	125	24.3	4	109
CARGILL	834	130	20.8	7	105
CARGILL	861	135	24.5	2	102
CENEX	2106	136	21.6	1	97
DEKALB	T1000	132	27.1	1	98
DEKALB	T950	122	23.0	2	103
DEKALB	XL-32A	132	27.4	5	107
FONTANELLE	370	130	26.6	2	98
HORIZON	202	136	22.1	1	104
HORIZON	206	113	25.6	2	110
HORIZON	211	142	31.7	5	109
HORIZON	212	135	33.3	4	108
JACQUES	JX77	129	22.3	2	94
JACQUES	JX97	134	22.6	2	102
LYNKS	LX 4075	128	21.4	1	102
LYNKS	LX 4100	114	26.6	1	97
MCCURDY	4664	121	23.6	3	98
MCCURDY	5225	128	24.7	5	103
MCCURDY	5596	145	28.3	4	106
NORTHRUP KING	PX9288	136	22.5	4	98
PAYCO	SX 599	133	19.6	2	101
PAYCO	SX 620	133	22.8	3	102
PAYMASTER	2890	135	24.6	4	102
PAYMASTER	2990	128	25.5	1	99
AVERAGE ALL ENTRIES		130.7	24.7	2.8	102.3
DIF. REQ. FOR SIG.	5%	N.S.	3.7	N.S.	7.0
	25%	9.9	2.1	2.2	4.0

TABLE 8c. ZONE IV WEST IRRIGATED. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	PLANT HEIGHT IN
		3 YEAR AVERAGE			
ASGROW	RX511	147	23.6	3	108
CARGILL	834	140	20.5	4	104
CENEX	2106	144	21.8	1	97
DEKALB	T1000	140	26.1	1	96
DEKALB	T950	137	22.6	1	102
DEKALB	XL-32A	149	27.1	3	107
HORIZON	206	136	24.9	1	108
HORIZON	212	143	32.2	3	106
LYNKS	LX 4075	134	21.2	0	100
LYNKS	LX 4100	122	25.8	1	95
MCCURDY	4664	134	22.7	2	96
MCCURDY	5225	136	25.0	4	102
MCCURDY	5596	155	27.7	3	105
PAYCO	SX 599	141	19.0	1	98
PAYCO	SX 620	145	22.2	2	101
PAYMASTER	2990	141	25.1	0	96
AVERAGE ALL ENTRIES		140.3	24.2	1.9	101.3
DIF. REQ. FOR SIG. 5%		N.S.	2.3	N.S.	3.8
25%		10.3	1.3	1.7	2.2
		4 YEAR AVERAGE			
ASGROW	RX511	150	24.3	3	106
CENEX	2106	147	22.4	1	97
DEKALB	XL-32A	146	27.7	3	106
LYNKS	LX 4075	138	22.1	0	100
LYNKS	LX 4100	132	26.2	1	94
MCCURDY	4664	138	22.8	2	95
MCCURDY	5225	138	25.0	4	102
MCCURDY	5596	151	28.4	3	102
PAYCO	SX 620	146	22.6	2	99
PAYMASTER	2990	143	25.6	0	94
AVERAGE ALL ENTRIES		142.8	24.7	1.9	99.5
DIF. REQ. FOR SIG. 5%		N.S.	1.3	N.S.	3.6
25%		N.S.	0.7	1.1	2.9
		5 YEAR AVERAGE			
DEKALB	XL-32A	146	27.1	2	105
MCCURDY	5596	155	27.4	2	102
AVERAGE ALL ENTRIES		150.7	27.3	2.0	103.5
DIF. REQ. FOR SIG. 5%		N.S.	N.S.	N.S.	N.S.
25%		7.6	N.S.	N.S.	2.0

TABLE 9a. ECOFALLOW. EARLY HYBRIDS. SUMMARY. 1983.

BRAND	HYBRID	YIELD AVERAGE BU/A	YIELD LINCOLN BU/A	YIELD CHEYENNE BU/A	MOISTURE PCT	BROKEN PCT	EARS 100 PLANTS	BUSHEL WEIGHT	TASSEL JUNE 30 + DAYS	PLANT HEIGHT
		1983 AVERAGE								
ASGROW	NEBR. EXP. 9065	51	55	46	22.8	2	85	50.2	38	89
ASGROW	RX511	57	58	55	17.3	1	87	52.7	40	92
BC-JAC	RX717	36	37	34	27.4	3	85	46.6	42	91
BC-JAC	370	46	46	46	23.3	1	90	49.4	41	93
	381	52	50	53	22.5	2	85	50.7	42	91
CENEX	2106	61	61	60	16.9	3	98	54.4	36	87
CENEX	2111	55	57	52	17.8	2	95	53.7	39	90
DEKALB	CK-484	61	61	61	17.8	2	96	54.2	38	84
DEKALB	T1000	54	58	50	19.9	3	95	54.1	34	78
DEKALB	XL-18	49	46	52	17.8	3	84	54.9	35	89
HORIZON	211	49	46	51	26.8	1	88	52.1	41	94
LYNKS	LX 4115	43	44	42	21.1	2	83	51.5	42	83
NORTHRUP KING	PX9405	53	56	50	20.7	4	97	52.5	36	82
NORTHRUP KING	PX9415	48	45	50	21.3	4	90	52.1	39	86
PAYCO	SX 611	54	55	53	17.2	2	91	53.4	37	85
PAYCO	SX 715	52	54	49	21.4	2	96	51.2	37	84
WAC	920C	30	21	38	34.4	5	79	44.4	43	98
AVERAGE ALL ENTRIES		50.1	50.0	49.5	21.6	2.5	89.8	51.7	38.8	88.0
DIF. REQ. FOR SIG. 5%		9.5	11.4	10.6	6.9	N.S.	13.5	2.3	2.3	4.1
25%		5.3	6.6	6.2	3.8	N.S.	7.9	1.3	1.3	2.4

Ears/100 plants for Lincoln County only.
Bushel weight for Cheyenne County only.
Tassel days after June 30. Cheyenne County only.
Plant height for Cheyenne County only.

TABLE 9b. ECOFALLOW EARLY HYBRIDS. 1979-1983.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
		2 YEAR AVERAGE			
ASGROW	RX511	61	19.2	2	3
CENEX	2106	70	16.9	2	2
DEKALB	T1000	63	20.4	3	1
DEKALB	XL-18	62	19.8	2	1
PAYCO	SX 611	63	17.3	1	1
AVERAGE ALL ENTRIES		63.5	18.7	2.0	1.6
DIF. REQ. FOR SIG.	5%	N.S.	N.S.	N.S.	N.S.
	25%	N.S.	1.8	N.S.	N.S.
		3 YEAR AVERAGE			
ASGROW	RX511	76	19.7	4	2
CENEX	2106	80	17.4	2	2
DEKALB	T1000	77	21.0	3	1
AVERAGE ALL ENTRIES		77.6	19.4	3.0	1.7
DIF. REQ. FOR SIG.	5%	N.S.	2.2	N.S.	N.S.
	25%	N.S.	1.0	N.S.	N.S.
		4 YEAR AVERAGE			
CENEX	2106	70	17.0	2	2

Location of tests (Counties): 1979 Cheyenne, Lincoln, Custer; 1980 Cheyenne, Chase, Lincoln, Custer; 1981 Cheyenne, Lincoln, Custer, Perkins; 1982 Cheyenne, Lincoln; 1983 Lincoln, Cheyenne.

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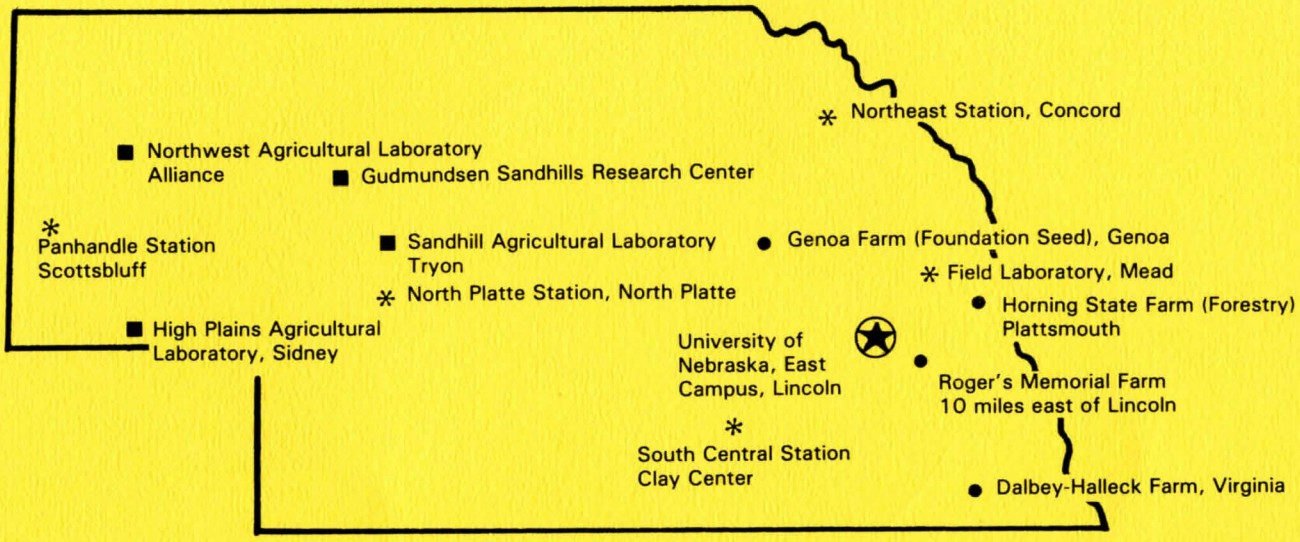

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