

1987

EC87-105 Nebraska Corn Hybrid Tests 1987

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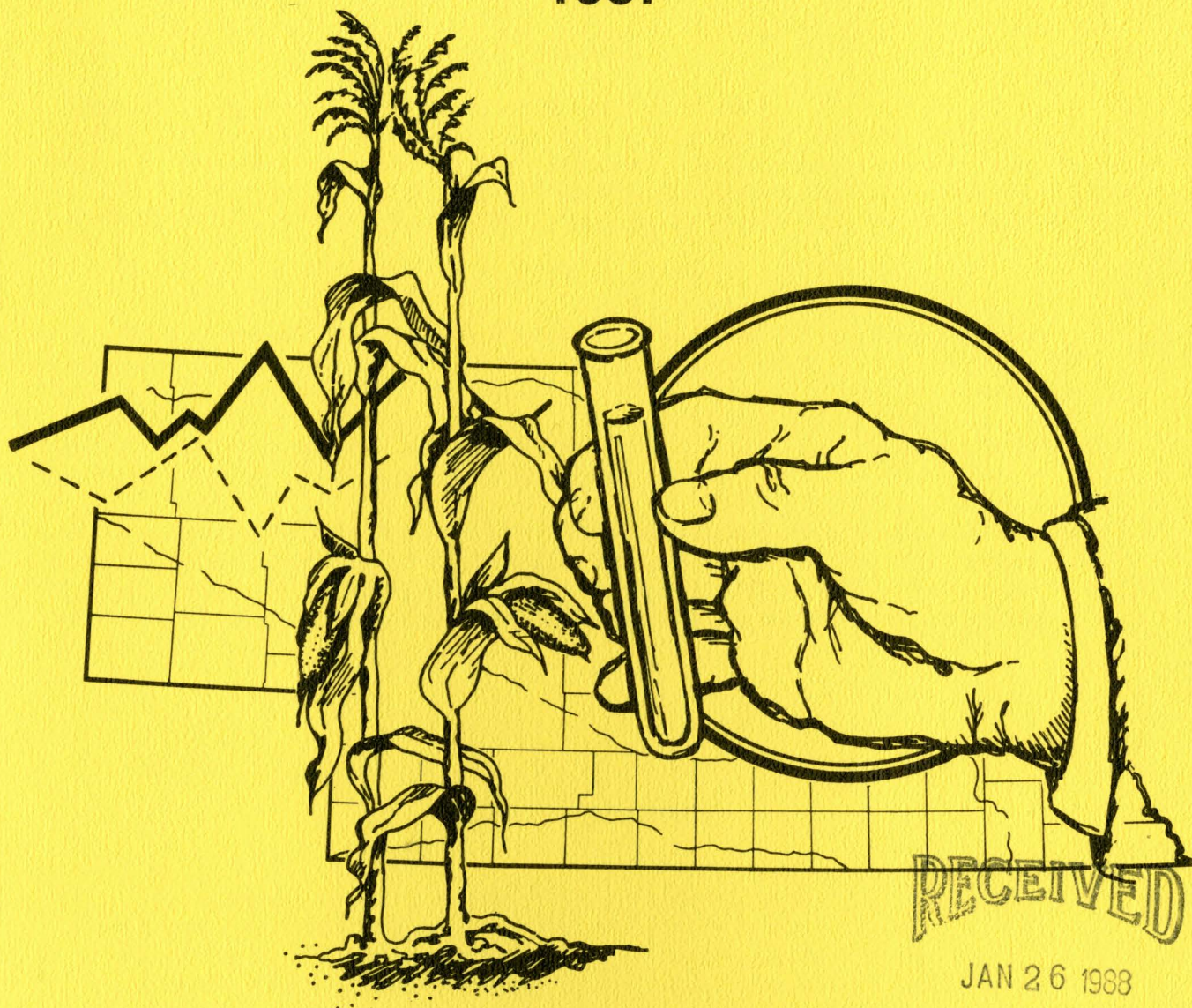
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NEBRASKA CORN HYBRID TESTS

1987



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EXTENSION CIRCULAR 87-105

NEBRASKA CORN HYBRID TESTS

DECEMBER 1987

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

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

METRIC EQUIVALENTS

1 centimeter = 0.394 inches	cm = inches x 2.54
1 hectare = 2.471 acres	ha = acres x 0.405
1 kilogram = 2.205 pounds	kg = pounds x 0.454
1 hectoliter = 2.838 bushels	hl = bushels x 0.352

Kilogram/hectoliter = lb/bu x 1.287

Kilograms/hectare = bu/A x 62.78 (56# bu)

EXTENSION CIRCULAR 87-105

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NEBRASKA CORN HYBRID TESTS 1987

The 1987 season was favorable for corn production and new record per acre state-wide and irrigated yields were produced in Nebraska. Recent average yields were as follows (bu/A):

	1980	1981	1982	1983	1984	1985	1986	1987
State	85.0	115.0	110.0	97.0	115.0	128.0	128.0	130.0
Irrigated	101.0	129.0	122.0	116.0	133.0	141.5	140.5	147.0
Nonirrigated	48.2	79.1	83.1	58.4	77.4	99.5	100.7	91.5

Total acreage for harvest was 6,200,000 of which 4,300,000 were irrigated and 1,900,000 nonirrigated.

The corn crop generally progressed ahead of normal all season. Favorable weather late April and early May allowed planting to begin early and progress rapidly. On May 17, 90% of the crop had been planted. Normal for this date is 60%. Early progress was rapid with warm humid weather.

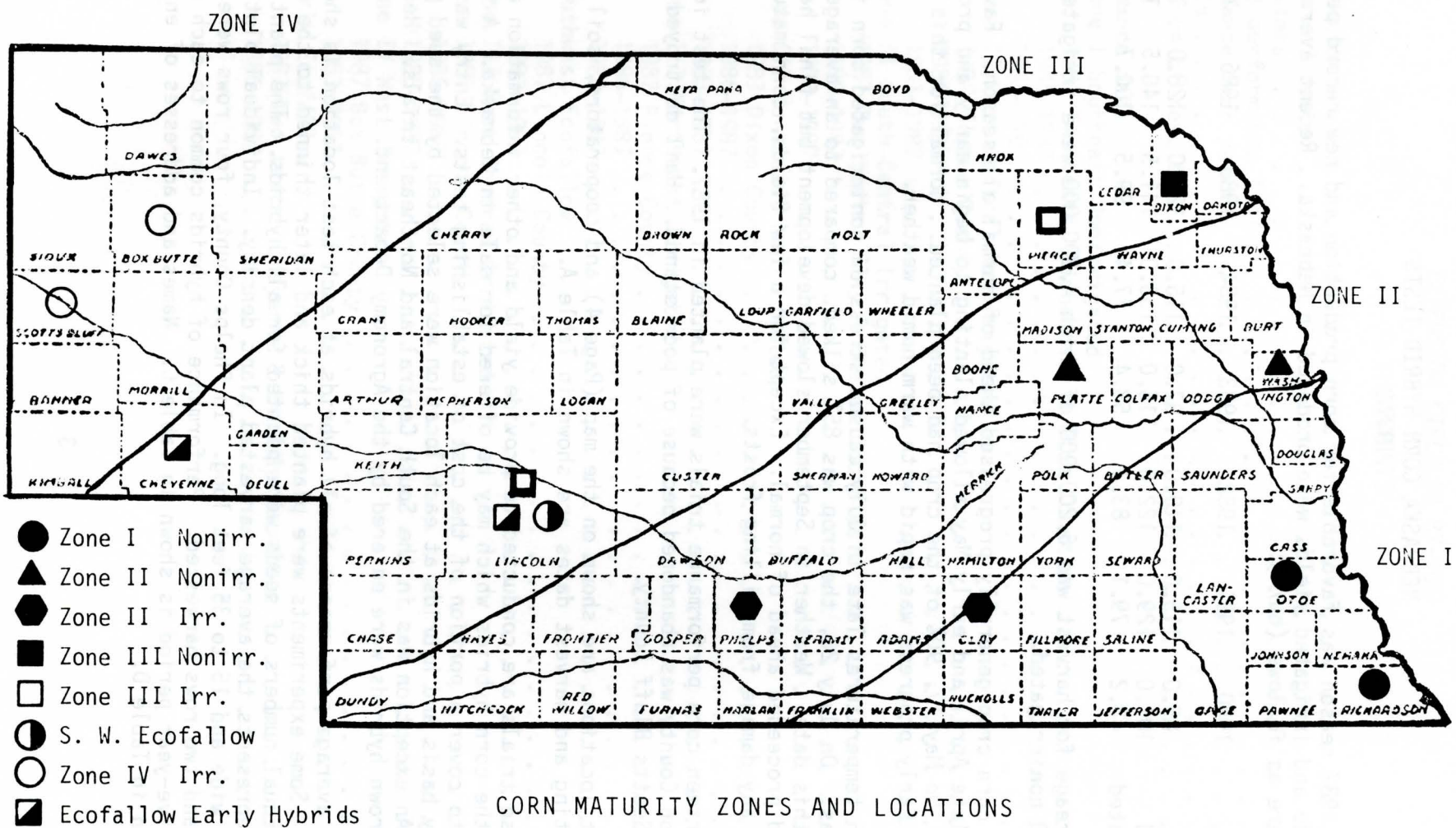
High temperatures late in July caused stress on nonirrigated corn in some areas. On July 26, the crop was 85% silked, compared to an average of 48% for this date. Weather in September slowed development but final harvest began and proceeded ahead of normal. Except for a few fields, corn matured ahead of any damage from killing frosts.

Fourteen corn performance trials were planted in 1987. The test in Washington County was abandoned because of poor stands. Hail destroyed the plot in Scotts Bluff County.

Test locations are shown on the map (Page 4) and cooperators, soil types and planting and harvest dates are shown 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 at each location were selected by the seed producer. An exception was in the South Central and Northeast trials. Here, six widely-grown hybrids were entered by the Agronomy Department.

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. In Phelps County, four rows were planted and two rows harvested. Performance of hybrids common to each area over a five-year period is shown in Table C. Names and addresses of entrants are shown in Table D.



CORN MATURITY ZONES AND LOCATIONS
OF NEBRASKA CORN PERFORMANCE TESTS. 1987.

Table A. Locations, cooperators, soil types and planting and harvest dates. 1987.

Location	Cooperator	Soil Type	Planted	Harvested
Zone I Nonirrigated Southeast				
Richardson	Bangert Bros., Falls City	Nodaway silt loam	Apr. 29	Sept. 28
Otoe	Donald Hopp, Talmage	Nodaway-Colo Complex	May 8	Oct. 12
Zone II Nonirrigated East Central				
Washington	Wes Anderson, Kennard	Sharpsburg-Marshall si. l.	May 13	Stand lost
Platte	Gilbert Loseke, Columbus	Moody silty clay loam	April 30	Oct. 14
Zone II Irrigated South Central				
Clay	South Central Res. & Ext. Center	Hastings silt loam	Apr. 22	Sept. 25
Phelps	Bill Johnson, Holdrege	Hastings silt loam	May 13	Oct. 15
Zone III Nonirrigated Northeast				
Dixon	Irwin Harsh, Concord	Baltic silty clay loam	May 1	Oct. 13
Zone III Irrigated Northeast				
Pierce	Gansebom Farms, Osmond	Thurman sandy loam	May 2	Oct. 17
Southwest Ecofallow				
Lincoln	West Central Res. & Ext. Center	Hall silt loam	May 12	Nov. 3
Zone III Irrigated West Central				
Lincoln	West Central Res. & Ext. Center	Cozad silt loam	April 27	Oct. 29
Zone IV Irrigated West				
Scotts Bluff	Panhandle Res. & Ext. Center	Mitchell fine sandy loam	-----	Hailed
Box Butte	Northwest Agricultural Lab.	Keith silt loam	May 11	Oct. 20
Early Ecofallow				
Lincoln	West Central Res. & Ext. Center	Hall silt loam	May 12	Nov. 3
Cheyenne	High Plains Agricultural Lab	Goshen silt loam	May 1	Oct. 8

Table B. Average performance of hybrids at each test location. 1987.

Location	Row spacing inches	Plants per hill	Hill/plant spacing inches	Plants per acre	Yield C.V. %	Grain yield bu/A	Harvest moisture %	Broken plants %	Dropped ears %	Yield ¹ moisture correlation
Zone I Nonirrigated SE										
Richardson	30	1.0	8.4	24,990	9.3	192.6	16.3	4.8	0.2	0.31**
Otoe	38	3.7	30	20,360	15.1	141.4	16.4	6.6	0.1	0.16
Zone II Nonirrigated E										
Platte	38	2.8	30	15,410	10.0	121.7	16.2	1.7	0.8	0.31**
Zone II Irrigated SC										
Clay	30	1.0	8.0	26,030	6.1	209.1	19.6	0.9	0.1	0.42**
Phelps	30	1.0	7.8	26,920	6.3	184.1	20.6	6.4	0.2	0.54**
Zone III Nonirrigated NE										
Dixon	30	1.0	13.1	15,970	8.0	130.3	17.0	0.7	2.0	0.36**
Zone III Irrigated NE										
Pierce	30	1.0	9.3	22,510	8.5	175.9	17.3	1.3	0.2	0.49**
Southwest Ecofallow										
Lincoln	30	1.0	14.4	14,480	24.2	52.0	12.4	1.6	1.5	0.56**
Zone III Irrigated WC										
Lincoln	30	1.0	9.1	23,040	12.4	195.4	12.6	2.5	0.3	0.78**
Zone IV Irrigated W										
Box Butte	30	1.0	10.8	19,450	9.8	136.6	22.5	1.9	0.0	0.00
Early Ecofallow										
Lincoln	30	1.0	14.5	14,400	16.4	68.6	10.6	0.7	0.4	0.21
Cheyenne	30	1.0	21.1	9,890	13.3	68.4	25.3	0.0	0.0	-0.22

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

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

Test	Year	Yield bu/A	Moisture %	Broken %	Dropped %
Southeast (6 hybrids)	1983	74.9	17.9	6.8	2.2
	1984	121.0	21.1	2.3	0.8
	1985	141.2	16.6	5.8	1.2
	1986	152.3	20.2	4.0	0.5
	1987	163.3	16.3	6.0	0.0
East Central (8 hybrids)	1983	53.1	18.2	19.5	2.5
	1984	121.4	22.2	2.1	0.1
	1985	150.9	17.5	1.6	0.6
	1986	117.0	18.0	3.4	1.6
	1987	120.6	16.8	2.1	0.9
South Central irr. (13 hybrids)	1983	157.4	20.9	2.3	12.4 ¹
	1984	181.8	22.8	5.9	49.3
	1985	197.0	19.6	8.5	76.1
	1986	192.6	20.2	10.0	48.0
	1987	197.1	20.9	4.5	29.9
Northeast nonirr. (7 hybrids)	1983	119.1	19.2	0.9	0.1
	1984	133.0	21.4	0.4	0.0
	1985	140.4	----	0.3	0.1
	1986	149.4	21.0	1.6	0.7
	1987	131.0	18.3	0.7	1.7
Northeast irr. (7 hybrids)	1983	156.9	19.2	4.9	1.0
	1984	176.0	24.8	3.7	0.0
	1985	192.1	28.2	0.4	0.0
	1986	138.9	19.8	1.1	0.4
	1987	176.6	18.0	1.7	0.4
Southwest ecofallow (2 hybrids)	1983	44.5	18.4	2.0	1.5
	1984	61.0	23.8	0.5	0.0
	1985	70.0	19.8	1.5	0.0
	1986	79.0	27.9	9.5	0.0
	1987	57.5	12.6	0.0	0.5
West Central irr. (10 hybrids)	1983	159.1	16.6	11.5	5.2
	1984	209.0	20.9	9.3	0.8
	1985	203.0	15.2	9.2	0.6
	1986	190.9	17.1	8.6	2.5
	1987	206.3	13.4	3.8	0.2
West irr. (1 hybrid)	1983	147.0	25.1	3.0	35.5 ¹
	1984	157.5	23.2	2.0	28.0
	1985	162.5	34.8	3.0	30.5
	1986	191.5	27.1	----	28.0
	1987	154.0	26.2	2.0	30.0
Early ecofallow (5 hybrids)	1986	86.6	21.8	1.0	23.8 ¹
	1987	70.3	18.5	0.4	21.2

¹Dropped ear column: South Central is stalk rot. West and Early Ecofallow is Tassel (June 30 + days).

Table D. Entrants. Nebraska Corn Performance Tests. 1987.

Brand	Entrant	Address
-----	Agricultural Research Div., UNL	Lincoln, NE 68583
Agrigene	Agrigene Seed Company	Lynnville, IA 50153
AgriPro	AgriPro	Mission, KS 66201
Asgrow/O's Gold	Asgrow Seed Company	Kalamazoo, MI 49001
Bo-Jac	Bo-Jac Hybrid Corn Co.	Mt. Pulaski, IL 62548
Cargill	Cargill Seeds	Minneapolis, MN 55440
Coker	Coker's Pedigreed Seed Company	Lebanon, IN 46052
Crow's	Crow's Hybrid Corn Co.	Milford, IL 60953
Curry	Curry Seed Company	Elk Point, SD 57025
Custom Farm Seed	Custom Farm Seed	Momence, IL 60954
Dahlgren	Dahlgren Seed Company	Crookston, MN 56716
EK Premium	EK Premium	Berwick, IL 61417
Excell	Excell Hybrids	Aurora, NE 68818
Federal	Federal Hybrids	Marion, IA 52302
Fontanelle	Fontanelle Hybrids	Nickerson, NE 68044
Four Star	Four Star Seed	Parkersburg, IA 50665
Funk's	Funk Seeds International	Bloomington, IL 61701
Golden Acres	Taylor-Evans Seed Company	Tulia, TX 79088
Green Acres	Green Acres	Hartington, NE 68739
Hawkeye	Hawkeye Hybrids, Inc.	Pella, IA 50219
Hoegemeyer	Hoegemeyer Hybrids	Hooper, NE 68031
Horizon	Horizon Seeds, Inc.	Lincoln, NE 68501
Jacobsen	Jacobsen Hybrid Corn Company	Lake View, IA 51450
Jacques	Jacques Seed Company	Prescott, WI 54021
Kaltenberg	Kaltenberg Seed Farms,	Waunakee, WI 53597
King Grain	King Grain Company	Chatham, Ontario, Can.
Kruger	Kruger Seed Company	Dike, IA 50624
Lewis	Lewis Hybrids, Inc.	Ursa, IL 62376
Lincoln Seed	Lincoln Seed	Sioux City, IA 51101
Lynks Seeds	Lynks Seeds	Marshalltown, IA 50158
McCurdy	McCurdy Seed Company	Fremont, IA 52561
Northrup King	Northrup King Company	Norfolk, NE 68701
Ohlde	Ohlde Seed Farms	Palmer, KS 66962
Pioneer	Pioneer Hi-Bred Intl., Inc.	Lincoln, NE 68505
Prairie Stream	Prairie Stream Farms, Inc.	Frankfort, IN 46041
Pride	Pride Company, Inc.	Glen Haven, WI 53810
S-Brand	Schechinger Seed Co.	Harlan, IA 51537
SeedTec	SeedTec International	Hereford, TX 79045
SeedTec	SeedTec International	Eldred, IL 62027
Stauffer Seeds	Stauffer Seeds	Phillips, NE 68865
Super Crost	Edward J. Funk & Sons, Inc.	Kentland, IN 47951
Superior	Superior Hybrids Co.	North Bend, NE 68649
Terra	Terra International	Sioux City, IA 51101
Tri Valley	Tri Valley Seed	Council Bluffs, IA 51501
Triumph	Triumph Seed Company	Ralls, TX 79357
Wilson	Wilson Hybrids, Inc.	Harlan, IA 51537

DeKalb/Pfizer, Golden Harvest and NC+ hybrids were entered by the Agricultural Research Division, UNL.

Yields shown are averages of four or more replicated plots at each location. Plots were 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.

Stalk rot readings were taken previous to harvest in Clay and Phelps 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.

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

RESULTS

Data tables for each zone are shown in sections. The 1987 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. Two experiments were conducted in each of the following zones: Zone I Southeast, Zone II Irrigated South Central, and Early Ecofallow. Highly Significant (1% level) hybrid x location interactions for yield were obtained in all areas. In zone analyses, the hybrid x location mean square was used to calculate the differences required for significance shown in the tables.

The correlation or r value for the relationship between grain moisture and yield is shown in Table B. Higher grain moisture was significantly correlated with higher grain yield at eight locations. There was little relationship between moisture and grain yield at four locations. Even though these relationships were significant, they do not indicate that maturity was the major factor in yield differences. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs.

Corn growing conditions in Nebraska vary greatly with years. The 1981, 1984 and 1985 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 wetter than normal with severe drought in southeastern Nebraska. In 1984, early moisture was in excess. Rainfall in July and August was generally deficient but temperatures were more moderate than in 1983. In 1985, June and July were cooler than normal. Rainfall generally was adequate except in western Nebraska. The 1986 and 1987 seasons were very favorable for corn production. Period-of-years averages provide a measure of performance over a wide range of growing conditions. The effect of season on performance in each zone is shown in Table C.

CULTURAL PRACTICES

Richardson: After soybeans, 153 # N preplant, 100 # 10-34-0 at planting. Eradicane + Bladex herbicide preplant incorporated. Pydrin insecticide at planting. Banvel postemergence. No cultivation. Yields were high.

Otoe: After soybeans. No tillage. 90 # N liquid preemergence. Conquest + Atrazine with fertilizer. A severe wind storm in early July caused excessive stalk breakage in many plots. This greatly reduced yields of some entries and increased plot variability.

Platte: After soybeans, 120 # N preplant, 100 # 10 + 30 + 5 at planting. Lasso-Atrazine herbicide. Moisture was near the stress point in June and July.

Clay: Slot planted into soybean stubble, 165 # N preplant. Lasso + Atrazine + Paraquat preemergence. Bladex + Tandem on May 8. Poast + crop oil on June 12. Light hail in early July. Final yields were very high.

Phelps: After corn, 190 # N. Eradicane + Atrazine herbicide. High winds in early July caused stalk breakage.

Dixon: After soybeans. 45 # N preplant. 10 + 34 + 0 at planting. Bladex herbicide postemergence. Counter insecticide. Some moisture stress in late July and early August.

Pierce: After corn. 180 # N preplant. 12 + 30 + 25 + S + Zn at planting. Counter insecticide at planting. Lasso-Atrazine herbicide. Furadan for 1st-brood corn borer.

Lincoln Ecofallow: Winter wheat in 1986. 60 # N preplant. Atrazine + Paraquat on stubble. Landmaster preplant. Hot and dry July and early August. Plot variability was high.

Lincoln Irrigated: After sorghum. 180 # N preplant. Atrazine post-emergence. Generally good growing conditions. Yields were high.

Box Butte: After corn minimum tillage. 190 + 31 + 25 + S + Zn preplant. 10 + 34 + 0 at planting. Bladex-Atrazine preplant herbicide.

Cheyenne Ecofallow: Wheat in 1986, 65 # N preplant, 13 + 21 + 0 + S liquid at planting. Atrazine + Dual + Roundup preemergence. Crop matured at time of killing frost.

CONTINUED

TABLE 1A. ZONE I SOUTHEAST NONIRRIGATED. TWO TESTS. 1987.

BRAND	HYBRID	YIELD			1987 AVERAGE			
		AVERAGE BU/A	RICH. BU/A	OTOE BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	BUSHEL WEIGHT
-----	NEBR. 611	164	188	139	16.3	4	0	57.3
AGRIGENE	AG 7400	174	201	146	16.5	4	0	60.3
AGRIGENE	AG 7970	170	193	147	17.6	4	0	58.0
AGRIPRO	AP510	164	191	137	16.3	3	0	60.3
AGRIPRO	AP670	171	205	137	16.3	3	0	60.0
AGRIPRO	820	175	199	151	16.3	3	0	59.8
ASGROW/O'S GOLD	RX788	180	200	160	16.2	4	0	59.8
ASGROW/O'S GOLD	RX905	143	187	99	17.2	13	1	59.0
BO-JAC	601	178	203	153	16.2	3	1	59.8
BO-JAC	602	168	191	145	16.4	6	1	60.0
BO-JAC	905	169	205	132	17.2	13	0	59.0
CARGILL	SX352	164	189	139	16.1	5	1	59.4
CARGILL	7990	157	200	113	16.5	20	0	58.5
CARGILL	967	173	202	143	16.2	10	0	57.1
CARGILL	971	170	190	149	16.9	6	0	59.1
COKER	8620	178	198	158	16.6	5	1	59.5
COKER	8625	165	195	135	16.2	2	0	60.4
CROW'S	442	147	156	137	15.4	5	0	57.5
CROW'S	482	168	188	147	15.3	3	1	58.2
CROW'S	488	179	206	152	15.6	7	1	58.8
CROW'S	666	176	208	144	16.3	5	0	58.5
CUSTOM FARM	SEEDW 96010	143	157	129	15.1	4	1	60.4
CUSTOM FARM	SEEDW 8251	149	143	154	16.9	14	0	57.6
CUSTOM FARM	SEED7501	162	181	142	16.1	6	0	59.9
CUSTOM FARM	SEED7707	162	184	140	16.1	5	0	59.6
DAHLGREN	DC-545	169	182	155	16.3	4	0	59.9
DAHLGREN	DC-555	180	205	154	16.5	2	0	59.3
DAHLGREN	DC-576	184	217	150	17.3	10	0	59.3
EK PREMIUM	EK7786	139	167	110	15.5	6	0	59.7
EK PREMIUM	EK7796	167	185	148	16.2	4	0	59.8
EK PREMIUM	EK8805	162	192	131	16.3	6	0	59.2
EK PREMIUM	EK8805A	153	185	121	16.2	13	0	58.7
FONTANELLE	6230	183	205	161	16.4	3	1	59.6
FONTANELLE	6235	176	201	150	16.1	3	0	60.4
GOLDEN ACRES	T-E X-1151	167	200	133	16.4	9	0	59.4
GOLDEN ACRES	T-E 6988	169	191	146	15.8	6	1	59.5
GOLDEN ACRES	T-E 6994	177	201	152	16.8	4	0	58.9
GOLDEN ACRES	T-E 6996	164	185	143	17.4	11	0	59.3
HAWKEYE	SX56	179	197	160	16.4	2	0	59.6
HORIZON	4116	153	184	121	16.3	6	0	59.6
HORIZON	5117	179	196	162	15.9	2	1	58.3
HORIZON	5124	177	199	154	17.3	7	0	58.9
HORIZON	871	167	191	142	16.6	5	0	59.6
JACQUES	7900	159	191	126	16.4	5	0	59.2
JACQUES	7950	179	192	165	17.3	4	0	58.2
JACQUES	8210	184	206	161	17.5	1	0	58.7
KRUGER	K8112	168	198	138	16.1	5	1	59.9
KRUGER	K8115	170	183	157	17.0	5	0	59.1
LEWIS	5910	174	197	151	16.2	2	0	60.7
LEWIS	6756	174	211	137	16.3	13	0	59.6

CONTINUED

TABLE 1A. CONCLUDED.

BRAND	HYBRID	YIELD			1987 AVERAGE			
		AVERAGE BU/A	RICH. BU/A	OTOE BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	BUSHEL WEIGHT
LYNKS SEEDS	DS 645	166	183	148	17.6	3	0	58.2
LYNKS SEEDS	LX 4235	155	183	127	14.8	3	0	60.1
LYNKS SEEDS	LX 4406	152	200	104	16.5	19	0	60.3
MC CURDY	7372	181	206	156	16.6	3	1	60.4
MC CURDY	7384	158	178	137	16.5	7	0	59.2
MC CURDY	7700	149	183	114	16.4	10	0	59.6
NORTHROP KING	PX9540	169	191	146	16.2	3	1	60.5
OHLDE	220	146	167	125	15.9	5	0	59.6
OHLDE	230	170	195	145	16.0	5	0	60.1
OHLDE	242	167	187	146	15.5	2	0	58.8
PIONEER	3168	188	225	151	16.5	6	0	60.2
PIONEER	3377	164	196	132	16.0	6	0	58.7
S BRAND	SS54A	165	188	142	15.4	3	0	58.3
S BRAND	SS62A	159	205	113	15.9	16	1	58.1
S BRAND	SS62B	163	198	128	15.8	13	1	61.1
S BRAND	SS63B	167	184	150	16.4	3	0	60.3
SEEDTEC	H-2686A	163	195	129	18.5	8	0	58.5
SEEDTEC	MAC-915	164	185	143	16.1	6	1	59.3
SEEDTEC	920D	159	184	133	16.0	5	1	59.6
SUPER CROST	5415	171	192	150	16.3	4	1	59.6
SUPER CROST	5460	174	192	156	16.1	5	0	59.7
TERRA	TR3400	159	177	141	16.5	6	2	59.2
TRI VALLEY	114	167	195	139	15.4	1	0	58.8
TRI VALLEY	115	168	193	143	16.4	4	0	59.8
TRIUMPH	1595	160	189	131	16.5	4	0	59.6
TRIUMPH	1650FG	181	215	146	17.8	5	0	60.1
TRIUMPH	2020	177	202	151	16.4	4	0	58.9
WILSON	2100	183	207	159	16.0	3	1	60.2
WILSON	2300	161	195	126	17.0	11	0	59.0
AVERAGE ALL ENTRIES		167.2	192.6	141.4	16.4	5.9	0.3	59.3
DIF. REQ. FOR SIG.	5%	23.6	25.0	29.8	0.6	10.1	NS	0.5
	25%	13.8	14.7	17.5	0.4	5.9	0.3	0.3

Bushel weights at harvest moisture.
Late broken--Otoe County only.

TABLE 1B. SOUTHEAST NONIRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
2 YEAR AVERAGE						
-----	NEBR. 611	150	18.5	7	1	56.9
AGRIPRO	AP510	161	18.0	3	1	59.2
AGRIPRO	AP670	164	18.2	3	0	59.0
AGRIPRO	820	166	17.9	3	1	59.0
ASGROW/O'S GOLD	RX788	167	17.8	3	0	58.8
BD-JAC	905	174	19.1	7	0	57.7
CARGILL	SX352	158	18.3	5	1	58.5
CARGILL	7990	163	18.8	12	0	57.3
CARGILL	967	173	18.4	7	0	56.7
CARGILL	971	160	18.4	4	0	58.2
COKER	8620	159	18.7	5	1	58.4
COKER	8625	157	18.2	2	1	59.4
CROW'S	488	164	17.4	6	1	58.6
CROW'S	666	161	18.6	4	1	57.6
CUSTOM FARM SEEDW	8251	150	19.0	10	1	56.9
CUSTOM FARM SEED	7501	156	17.9	4	0	58.8
EK PREMIUM	EK7796	154	17.8	3	1	59.2
EK PREMIUM	EK8805	160	18.2	4	0	58.6
EK PREMIUM	EK8805A	155	17.9	9	1	58.4
FONTANELLE	6235	167	18.3	4	0	58.7
GOLDEN ACRES	T-E 6988	154	17.7	4	1	58.3
GOLDEN ACRES	T-E 6994	166	18.5	3	0	58.1
HAWKEYE	SX56	167	18.0	2	0	58.7
HORIZON	4116	152	18.3	4	0	58.9
HORIZON	871	162	18.1	4	1	58.7
JACQUES	7900	157	18.1	5	0	58.7
KRUGER	K8112	159	18.0	3	2	58.9
KRUGER	K8115	167	18.9	4	1	58.2
LEWIS	5910	166	18.2	3	0	59.4
LYNKS SEEDS	LX 4235	147	16.7	2	0	59.5
LYNKS SEEDS	LX 4406	151	18.4	11	1	58.7
MC CURDY	7372	170	18.5	3	2	59.3
MC CURDY	7384	153	18.4	5	0	58.6
NORTHROP KING	PX9540	160	17.8	2	1	59.2
S BRAND	SS63B	167	18.2	2	0	58.9
SEEDTEC	WAC-915	163	18.8	4	1	57.8
SUPER CROST	5415	166	17.9	3	1	59.1
TRI VALLEY	115	161	18.0	4	1	59.1
TRIUMPH	1595	155	17.9	2	0	58.7
TRIUMPH	2020	174	18.5	3	0	58.1
WILSON	2100	167	17.9	3	1	59.2
WILSON	2300	168	19.0	7	0	57.9
AVERAGE ALL ENTRIES		161.1	18.2	4.5	0.6	58.5
DIF. REQ. FOR SIG.	5%	NS	0.7	NS	0.5	1.0
	25%	NS	0.4	NS	0.6	0.6

TABLE 1C. SOUTHEAST NONIRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
3 YEAR AVERAGE						
-----	NEBR. 611	145	17.8	8	1	57.5
ASGROW/O'S GOLD	RX788	157	17.3	2	0	59.5
BO-JAC	905	166	18.5	6	0	58.5
CARGILL	SX352	153	17.6	5	1	59.2
CARGILL	7990	158	18.3	8	0	58.0
CARGILL	967	167	17.8	6	0	57.5
CARGILL	971	151	17.9	4	0	59.0
COKER	8625	153	17.6	2	1	60.2
CROW'S	488	160	17.1	6	1	59.2
CROW'S	666	150	18.1	6	2	58.4
EK PREMIUM	EK7796	151	17.3	3	0	59.8
EK PREMIUM	EK8805	150	17.7	5	0	59.1
EK PREMIUM	EK8805A	152	17.4	7	0	59.1
HAWKEYE	SX56	161	17.5	2	1	59.6
HORIZON	871	152	17.6	4	1	59.2
JACQUES	7900	154	17.6	5	0	59.3
KRUGER	K8115	158	18.0	6	1	59.1
LEWIS	5910	160	17.5	3	0	60.0
LYNKS SEEDS	LX 4235	136	16.3	2	0	60.1
MC CURDY	7372	162	18.0	3	2	59.9
MC CURDY	7384	147	17.8	5	1	59.1
NORTHROP KING	PX9540	156	17.5	3	1	60.0
SEEDTEC	WAC-915	157	18.1	4	1	58.6
TRIUMPH	1595	152	17.3	3	1	59.5
TRIUMPH	2020	167	18.2	3	0	58.9
WILSON	2100	162	17.5	3	1	59.9
AVERAGE ALL ENTRIES		155.2	17.7	4.4	0.6	59.2
DIF. REQ. FOR SIG.	5%	15.5	0.7	NS	1.3	0.8
	25%	9.0	0.4	NS	0.8	0.5
4 YEAR AVERAGE						
-----	NEBR. 611	138	18.6	7	1	57.5
CARGILL	7990	151	19.1	7	1	58.0
CARGILL	967	158	18.8	5	1	57.5
EK PREMIUM	EK7796	141	18.2	2	0	59.8
EK PREMIUM	EK8805	144	18.6	5	1	59.1
HAWKEYE	SX56	152	18.3	2	1	59.6
JACQUES	7900	146	18.4	4	1	59.3
LEWIS	5910	151	18.4	3	0	60.0
MC CURDY	7384	140	18.7	4	1	59.1
AVERAGE ALL ENTRIES		146.6	18.6	4.3	0.8	58.9
DIF. REQ. FOR SIG.	5%	14.0	0.6	NS	NS	0.9
	25%	8.0	0.4	NS	NS	0.5
5 YEAR AVERAGE						
-----	NEBR. 611	126	18.3	8	1	57.5
CARGILL	967	139	18.7	5	1	57.5
EK PREMIUM	EK7796	129	18.1	3	0	59.8
EK PREMIUM	EK8805	130	18.5	4	1	59.1
JACQUES	7900	133	18.3	5	1	59.3
MC CURDY	7384	127	18.5	5	1	59.1
AVERAGE ALL ENTRIES		130.5	18.4	5.0	0.8	58.7
DIF. REQ. FOR SIG.	5%	NS	NS	4.7	NS	0.5
	25%	9.9	0.4	2.6	NS	0.3

Bushel weight: 1985-1987 only.

TABLE 2A. ZONE II EAST CENTRAL NONIRRIGATED. PLATTE COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
-----	NEBR. 611	120	16.7	4	1	56.5
AGRIPRO	AP510	125	16.3	3	2	59.6
AGRIPRO	AP670	137	16.1	3	1	59.8
AGRIPRO	820	122	17.3	1	1	59.1
ASGROW/O'S GOLD	RX788	128	16.0	1	1	59.5
ASGROW/O'S GOLD	RX905	120	17.3	1	2	59.2
CARGILL	SX352	125	16.5	1	1	58.8
CARGILL	7877	132	16.8	1	0	58.3
CARGILL	7993	125	15.8	1	0	59.7
CARGILL	937	124	16.3	2	2	59.0
CROW'S	442	111	15.2	2	2	58.5
CROW'S	482	131	15.9	2	1	59.8
CROW'S	488	126	15.8	2	1	58.9
CROW'S	666	120	16.9	3	1	59.0
DAHLGREN	DC-541	114	16.2	0	0	59.3
DAHLGREN	DC-545	128	16.5	2	0	59.8
DAHLGREN	DC-555	132	16.2	0	1	59.7
EK PREMIUM	EK7796	132	16.2	0	0	59.6
EK PREMIUM	EK8805	118	16.3	2	1	59.0
EK PREMIUM	EK8805A	115	16.3	4	1	59.5
EK PREMIUM	EK9900	120	19.1	2	1	58.6
FEDERAL	FX40A	125	16.3	4	3	58.5
FONTANELLE	EXP 532	132	16.0	2	0	58.0
FONTANELLE	4280	110	16.2	0	1	59.4
FONTANELLE	5230	123	16.2	1	1	60.2
FONTANELLE	6235	121	17.1	3	1	59.4
FOUR STAR	5744	126	15.9	0	0	59.7
FOUR STAR	5820	120	16.2	1	0	59.3
FOUR STAR	5825	118	16.1	1	2	59.9
HORIZON	4111	118	15.0	0	0	60.8
HORIZON	4112	106	15.8	3	2	60.9
HORIZON	717	117	16.2	1	0	60.1
HORIZON	871	108	16.9	4	1	59.6
JACOBSEN	JS488	126	16.6	2	1	59.8
JACOBSEN	JS49A	103	15.6	1	1	60.3
JACOBSEN	JS51	104	14.6	0	1	59.8
JACQUES	7820	123	16.2	1	1	59.6
JACQUES	7900	113	16.0	4	3	59.5
JACQUES	7950	127	17.5	3	2	57.9
KALTENBERG	K7500	118	15.6	1	0	59.4
KALTENBERG	K7700	131	17.1	3	0	58.7
KRUGER	K8108	117	14.8	0	0	59.1
KRUGER	K8112	123	16.2	0	1	59.4
KRUGER	K8115	109	16.6	1	1	58.9
LYNKS SEEDS	DS 432	120	16.5	3	0	59.2

CONTINUED

TABLE 2A. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
LYNKS SEEDS	LX 4235	99	15.2	1	1	60.7
LYNKS SEEDS	LX 4355	118	17.2	1	1	59.0
MC CURDY	5750	110	14.8	1	0	60.9
MC CURDY	7372	143	16.3	2	0	60.2
MC CURDY	7384	119	17.1	3	0	59.5
NORTHROP KING	PX9540	123	16.2	2	1	59.8
NORTHROP KING	X5225	129	15.6	1	1	59.4
OHLDE	230	128	16.4	1	0	59.4
OHLDE	242	115	15.3	1	0	59.0
PIONEER	3168	133	16.5	1	0	60.8
PIONEER	3377	126	15.6	3	1	59.8
PIONEER	3475	104	14.9	0	1	59.3
S BRAND	SS57A	122	15.6	0	0	59.1
S BRAND	SS62A	133	15.5	3	0	57.6
S BRAND	SS62B	126	15.7	3	1	58.9
S BRAND	SS63B	133	16.1	1	0	60.3
SEEDTEC	ST-7625	124	16.1	1	1	60.5
SEEDTEC	ST-7680	120	16.2	1	1	59.9
SEEDTEC	WAC-915	110	16.4	5	1	59.7
SUPER CROST	5415	131	16.2	3	0	60.3
SUPER CROST	5460	133	16.3	1	0	60.3
SUPERIOR	SP 5908	142	15.9	1	1	57.7
SUPERIOR	SP 6022	122	16.4	3	0	60.1
SUPERIOR	SP 6884	120	16.6	0	0	60.7
TERRA	TR1040	109	15.1	4	0	60.4
TERRA	TR1120	131	16.0	0	0	59.9
TERRA	TR3400	125	16.5	2	2	59.5
TRI VALLEY	109	96	14.4	6	1	60.0
TRI VALLEY	110	109	15.6	1	3	59.1
TRI VALLEY	115	128	16.3	1	2	59.9
TRIUMPH	1595	135	16.7	3	0	59.9
TRIUMPH	1650FG	120	17.9	4	0	61.7
TRIUMPH	2020	121	17.3	1	0	58.4
WILSON	1700	122	17.0	1	1	59.3
WILSON	1800B	125	16.7	1	0	59.9
WILSON	2100	133	16.2	2	0	60.2
AVERAGE ALL ENTRIES		121.7	16.2	1.7	0.8	59.5
DIF. REQ. FOR SIG.	5%	17.0	0.9	3.1	NS	0.9
	25%	10.0	0.5	1.8	NS	0.5

Bushel weights at harvest moisture.

TABLE 2B. EAST CENTRAL NONIRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
2 YEAR AVERAGE						
-----	NEBR. 611	118	17.3	6	1	56.5
AGRIPRO	AP510	127	17.0	3	2	59.1
AGRIPRO	AP670	131	16.9	3	1	59.0
AGRIPRO	820	123	17.7	2	1	58.8
ASGROW/O'S GOLD	RX788	128	16.9	2	1	59.0
CARGILL	SX352	124	17.3	2	2	58.5
CARGILL	937	125	16.9	2	2	59.1
CROW'S	442	113	16.0	2	2	58.1
CROW'S	488	124	16.6	3	1	58.8
CROW'S	666	115	17.6	4	2	58.5
EK PREMIUM	EK7796	126	16.9	2	1	59.3
EK PREMIUM	EK8805	110	17.1	3	2	58.6
EK PREMIUM	EK9900	120	19.1	3	2	58.8
FONTANELLE	5230	121	16.9	2	1	59.5
FONTANELLE	6235	124	17.3	4	2	58.9
HORIZON	4111	112	15.9	2	1	60.4
HORIZON	717	117	17.0	1	0	59.3
JACQUES	7820	125	16.9	3	1	59.4
JACQUES	7900	120	17.0	4	2	58.6
KRUGER	K8112	121	16.9	3	1	59.3
KRUGER	K8115	114	17.4	1	2	58.5
LYNKS SEEDS	LX 4235	103	16.0	2	1	60.2
LYNKS SEEDS	LX 4355	121	17.6	2	1	58.4
MC CURDY	7372	132	17.2	2	2	59.8
NORTHRUP KING	PX9540	123	16.9	2	1	59.2
S BRAND	SS62A	130	16.3	4	0	57.4
S BRAND	SS63B	128	16.8	1	0	59.8
SEEDTEC	ST-7625	121	16.8	2	1	60.1
SUPER CROST	5415	130	17.0	3	0	59.6
SUPERIOR	SP 6022	126	17.2	3	1	59.6
SUPERIOR	SP 6884	124	17.0	1	0	60.2
TERRA	TR1120	126	16.8	2	1	59.6
TERRA	TR3400	122	17.1	3	2	58.9
TRI VALLEY	109	105	15.5	5	1	59.9
TRI VALLEY	115	126	17.2	2	2	59.1
TRIUMPH	1595	129	17.3	2	1	59.3
TRIUMPH	2020	132	17.7	1	1	58.2
WILSON	1700	123	17.3	2	1	58.8
WILSON	1800B	125	17.2	1	1	59.3
WILSON	2100	125	16.9	3	1	59.7
AVERAGE ALL ENTRIES		122.1	17.0	2.5	1.2	59.1
DIF. REQ. FOR SIG.	5%	13.5	0.6	2.1	NS	0.7
	25%	7.8	0.4	1.2	NS	0.4

TABLE 2C. EAST CENTRAL NONIRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS
3 YEAR AVERAGE						
-----	NEBR. 611	125	17.2	4	1	56.5
AGRI PRO	AP510	138	17.1	2	1	59.1
ASGROW/O'S GOLD	RX788	134	17.0	2	1	59.0
CARGILL	SX352	135	17.2	1	1	58.5
CARGILL	937	139	17.2	2	1	59.1
CROW'S	488	132	16.7	3	1	58.8
CROW'S	666	131	17.7	3	1	58.5
EK PREMIUM	EK7796	132	17.0	1	0	59.3
EK PREMIUM	EK8805	123	17.2	3	2	58.6
EK PREMIUM	EK9900	130	19.0	2	2	58.8
HORIZON	717	129	17.0	1	0	59.3
JACQUES	7900	130	17.2	4	2	58.6
KRUGER	K8112	130	17.0	2	1	59.3
KRUGER	K8115	131	17.3	1	1	58.5
LYNKS SEEDS	LX 4235	113	16.0	1	1	60.2
LYNKS SEEDS	LX 4355	134	17.8	2	1	58.4
NORTHROP KING	PX9540	133	17.0	2	1	59.2
SUPERIOR	SP 6022	136	17.1	2	1	59.6
SUPERIOR	SP 6884	131	17.1	1	0	60.2
TERRA	TR3400	137	17.1	3	1	58.9
TRIUMPH	1595	136	17.2	2	1	59.3
TRIUMPH	2020	138	17.5	1	0	58.2
WILSON	1700	133	17.5	2	1	58.8
WILSON	1800B	136	17.1	1	1	59.3
WILSON	2100	139	17.2	2	0	59.7
AVERAGE ALL ENTRIES		132.2	17.2	2.0	0.9	58.9
DIF. REQ. FOR SIG.	5%	14.1	0.6	2.1	1.2	0.7
	25%	8.2	0.4	1.2	0.7	0.4
4 YEAR AVERAGE						
-----	NEBR. 611	122	18.5	4	1	56.5
AGRI PRO	AP510	135	18.1	2	1	59.1
CARGILL	937	133	18.6	2	1	59.1
CROW'S	488	130	17.9	3	1	58.8
CROW'S	666	128	18.7	3	1	58.5
EK PREMIUM	EK7796	131	18.1	1	0	59.3
EK PREMIUM	EK8805	122	18.5	3	1	58.6
EK PREMIUM	EK9900	129	20.0	2	1	58.8
HORIZON	717	127	18.3	1	0	59.3
JACQUES	7900	127	18.5	4	1	58.6
LYNKS SEEDS	LX 4355	130	19.0	2	1	58.4
TERRA	TR3400	133	18.4	3	1	58.9
WILSON	1700	131	18.7	2	1	58.8
WILSON	1800B	134	18.4	2	1	59.3
AVERAGE ALL ENTRIES		129.4	18.6	2.4	0.9	58.7
DIF. REQ. FOR SIG.	5%	NS	0.8	2.3	NS	1.0
	25%	6.9	0.4	1.3	0.8	0.5
5 YEAR AVERAGE						
-----	NEBR. 611	109	18.0	9	0	56.5
CROW'S	666	112	18.7	7	2	58.5
EK PREMIUM	EK7796	116	18.1	2	1	59.3
EK PREMIUM	EK8805	108	18.5	5	1	58.6
EK PREMIUM	EK9900	114	20.1	6	2	58.8
HORIZON	717	113	18.2	3	0	59.3
JACQUES	7900	112	18.1	9	1	58.6
WILSON	1800B	116	18.4	5	1	59.3
AVERAGE ALL ENTRIES		112.6	18.5	5.8	1.0	58.6
DIF. REQ. FOR SIG.	5%	NS	1.2	NS	1.9	1.2
	25%	NS	0.7	4.4	1.1	0.7

Bushel weight: 1986-1987 only.

TABLE 3A. ZONE II SOUTH CENTRAL IRRIGATED. TWO TESTS. 1987.

BRAND	HYBRID	YIELD			1987 AVERAGE			
		AVERAGE BU/A	CLAY BU/A	PHELPS BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	STALK ROT
-----	NEBR. 611	176	189	162	18.6	4	0	31
AGRIGENE	AG 7400	200	207	192	20.9	3	0	17
AGRIGENE	AG 7970	181	179	182	22.7	5	0	26
AGRIPRO	AP510	202	203	195	21.0	3	0	29
AGRIPRO	AP670	203	214	191	21.2	4	0	24
AGRIPRO	820	202	217	187	21.5	4	0	32
AGRIPRO	830	208	212	203	21.9	3	0	18
ASGROW/D'S GOLD	RX788	206	214	198	20.3	2	0	26
BO-JAC	454	187	203	170	18.9	2	1	15
BO-JAC	601	192	199	184	20.8	5	0	22
BO-JAC	602	205	213	191	20.6	4	0	22
BO-JAC	603 ##	200	218	182	20.4	3	0	34
BO-JAC	607	194	205	182	19.9	4	0	19
CARGILL	SX352	195	204	185	20.8	4	0	31
CARGILL	7877	214	231	196	19.1	3	0	19
CARGILL	7990	215	239	191	21.7	2	0	22
CARGILL	7993	207	213	201	21.0	2	0	30
COKER	8575	191	190	192	19.4	3	0	19
COKER	8620	209	216	201	21.1	5	0	29
COKER	8625	193	209	187	20.7	4	1	14
CROW'S	442	182	193	171	17.4	2	0	28
CROW'S	482	182	202	162	15.9	4	1	39
CROW'S	488	202	221	182	17.2	3	0	43
CROW'S	666	192	209	174	20.5	5	0	39
CURRY	1479	189	204	173	17.5	2	0	30
CURRY	1480	171	181	161	18.9	4	0	30
CURRY	1490	203	222	194	21.0	3	1	34
DAHLGREN	DC-541	182	189	174	20.0	6	0	24
DAHLGREN	DC-545	199	198	200	20.1	3	1	15
DAHLGREN	DC-555	211	222	200	21.3	5	0	30
DEKALB/PFIZER	DK656 ##	204	216	191	20.3	4	1	30
EK PREMIUM	EK7796	195	209	181	20.4	4	0	28
EK PREMIUM	EK8805	186	201	171	19.5	5	0	39
EK PREMIUM	EK8805A	184	193	174	20.2	5	1	33
EK PREMIUM	EK9900	202	222	182	23.5	4	1	40
EXCELL	1190	208	229	187	22.3	4	0	17
FONTANELLE	5230	208	211	204	20.8	1	0	17
FONTANELLE	6235	200	204	196	20.9	2	1	17
FOUR STAR	5744	187	199	175	19.0	2	0	25
FOUR STAR	5820	200	216	184	21.2	3	0	37
FOUR STAR	5825	199	211	186	21.8	5	0	32
FUNK'S	G-4440	181	194	168	19.2	3	0	33
FUNK'S	G-4500	197	215	178	22.5	4	1	37
FUNK'S	G-4513	201	216	186	20.6	3	0	25
GOLDEN ACRES	T-E X-1151	206	209	203	20.4	2	0	19
GOLDEN ACRES	T-E 6988	194	204	184	21.1	4	0	30
GOLDEN ACRES	T-E 6994	191	200	181	20.1	5	0	36
GOLDEN ACRES	T-E 6996	194	215	172	24.0	10	1	38
GOLDEN HARVEST	H-2480 ##	188	207	169	15.4	4	0	40
HAWKEYE	SX43	189	193	184	19.1	5	0	35
HAWKEYE	SX56	199	211	187	20.0	3	1	17
HAWKEYE	SX66A	196	206	186	20.7	3	0	6
HORIZON	4116	191	204	178	22.1	7	0	21
HORIZON	5117	208	219	197	20.8	5	1	40
HORIZON	717	205	218	192	20.2	4	0	17
HORIZON	871	197	215	179	20.7	4	0	33
JACOBSEN	JS488	209	222	196	21.4	4	0	21
JACQUES	7820	197	213	180	21.4	2	0	26
JACQUES	7900	198	206	189	21.1	6	1	41
JACQUES	7950	199	225	173	21.7	7	0	48

CONTINUED

TABLE 3A. CONCLUDED.

BRAND	HYBRID	YIELD			1987 AVERAGE			
		AVERAGE BU/A	CLAY BU/A	PHELPS BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	STALK ROT
JACQUES	8210	193	212	174	21.5	7	1	28
KALTENBERG	K7500	187	199	175	19.0	3	0	24
KALTENBERG	K7700	200	203	196	20.8	6	1	42
KRUGER	K8107A	155	165	145	17.0	3	1	22
KRUGER	K8112	203	213	192	20.5	2	0	40
KRUGER	K8115	197	206	188	20.9	7	0	36
LYNKS SEEDS	DS 432	188	199	176	19.7	2	0	22
LYNKS SEEDS	LX 4344	199	203	195	20.5	2	0	7
LYNKS SEEDS	LX 4355	205	217	193	21.1	2	1	29
MC CURDY	5750	180	192	168	16.6	2	0	33
MC CURDY	7372	212	223	200	21.3	6	0	40
MC CURDY	7384	203	216	189	20.3	4	0	29
NC+	6190 ##	194	208	179	20.7	5	1	39
NORTHRUP KING	PX9540	205	214	195	20.2	2	0	17
NORTHRUP KING	X4325	195	204	185	16.1	3	0	37
NORTHRUP KING	X5225	193	194	191	19.9	3	0	12
OHLDE	220	191	195	187	19.3	5	0	21
OHLDE	224	200	215	184	20.8	3	1	19
OHLDE	230	199	214	184	21.0	3	0	15
PIONEER	3168	211	221	200	22.0	1	0	18
PIONEER	3269	197	215	179	20.1	4	0	14
PIONEER	3377 ##	205	238	172	17.5	6	1	31
PIONEER	3475	172	175	169	17.6	1	1	20
PRAIRIE STREAM	SX702	203	222	184	20.8	6	1	44
PRAIRIE STREAM	SX725	196	203	188	19.4	4	0	17
PRIDE	X1137	213	225	200	20.8	3	0	45
PRIDE	7705	210	225	194	21.4	3	0	44
S BRAND	SS57A	180	189	171	17.5	3	0	27
S BRAND	SS62A	206	238	173	18.7	6	0	24
S BRAND	SS62B	204	227	181	20.0	3	0	17
S BRAND	SS63B	200	208	192	20.2	5	1	33
SEEDTEC	ST-7680	197	203	190	20.9	3	0	21
SEEDTEC	WAC-915	198	215	181	19.3	6	1	34
STAUFFER SEEDS	S7759 ##	214	227	200	22.0	2	0	24
SUPER CROST	4386	184	191	177	19.8	2	0	35
SUPER CROST	5415	203	216	190	20.9	4	0	34
SUPER CROST	5460	189	194	183	20.8	5	1	20
SUPERIOR	SP 6022	215	229	201	20.1	3	0	17
SUPERIOR	SP 6884	206	217	194	21.2	2	0	14
TERRA	TR1060	187	200	174	17.2	6	0	12
TERRA	TR1120	201	208	194	21.1	2	0	23
TERRA	TR3400	209	227	191	20.9	4	1	32
TRI VALLEY	109	175	183	166	16.9	4	0	25
TRI VALLEY	115	200	224	176	21.0	4	0	28
TRIUMPH	1040	166	184	147	16.8	5	0	29
TRIUMPH	1595	202	223	180	21.0	4	0	29
TRIUMPH	1650FG	192	216	167	22.0	15	1	54
TRIUMPH	2020	196	216	176	20.8	5	0	27
WILSON	1700	192	202	181	21.0	5	0	15
WILSON	1700B	205	209	200	21.0	2	0	11
WILSON	2100	207	216	197	21.1	3	0	32
AVERAGE ALL ENTRIES		196.8	209.1	184.1	20.2	3.9	0.3	27.3
DIF. REQ. FOR SIG.	5%	17.7	17.8	16.2	1.9	NS	NS	21.9
	25%	10.4	10.5	9.5	1.1	NS	NS	12.8

Widely-grown hybrids entered by Agronomy Department.
Bushel weights at harvest moisture.

TABLE 3B. SOUTH CENTRAL IRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	STALK ROT PCT
2 YEAR AVERAGE						
-----	NEBR. 611	200	20.0	8	3	36
AGRIPRO	AP510	176	18.9	12	2	51
AGRIPRO	820	204	20.5	5	1	42
AGRIPRO	830	202	20.7	7	2	37
		211	21.4	5	2	16
BO-JAC	602	207	20.5	6	1	28
BO-JAC	603	203	20.2	5	1	41
BO-JAC	607	198	19.9	6	2	15
CARGILL	SX352	192	20.3	8	2	46
CARGILL	7990	215	21.0	5	2	28
COKER	8575	195	19.5	7	1	31
COKER	8620	209	20.5	7	1	45
COKER	8625	190	20.2	5	2	30
CROW'S	442	177	18.0	8	2	32
CROW'S	488	206	18.2	6	1	44
CROW'S	666	189	20.2	9	2	52
CURRY	1490	200	20.4	6	2	49
EK PREMIUM	EK7796	192	20.1	7	2	26
EK PREMIUM	EK8805	189	19.6	8	2	45
EK PREMIUM	EK8805A	180	20.1	8	2	47
EK PREMIUM	EK9900	206	23.1	7	2	38
FONTANELLE	5230	198	20.4	5	2	26
FONTANELLE	6235	203	20.3	6	2	25
FUNK'S	G-4440	186	19.3	6	3	37
FUNK'S	G-4500	196	21.2	7	3	41
FUNK'S	G-4513	203	20.2	6	2	30
GOLDEN ACRES	T-E 6988	197	20.5	10	2	49
GOLDEN ACRES	T-E 6994	193	20.1	9	2	45
GOLDEN ACRES	T-E 6996	196	23.1	9	1	44
GOLDEN HARVEST	H-2480	184	16.6	9	1	52
HAWKEYE	SX56	199	19.9	6	2	34
HAWKEYE	SX66A	198	20.8	6	1	10
HORIZON	4116	195	21.6	8	2	19
HORIZON	5117	200	20.2	9	3	45
HORIZON	717	183	20.0	8	1	25
HORIZON	871	194	20.4	8	2	46
JACQUES	7820	203	20.6	5	1	29
JACQUES	7900	194	20.5	9	3	51
KRUGER	K8107A	168	17.6	6	3	35
LYNKS SEEDS	LX 4344	199	20.5	6	2	5
LYNKS SEEDS	LX 4355	205	20.6	5	2	39
MC CURDY	7372	207	20.8	8	2	41
MC CURDY	7384	198	20.1	6	2	44
NC+	6190	199	20.4	7	3	45
NORTHRUP KING	PX9540	203	20.2	5	1	29
PIONEER	3377	201	18.4	10	2	51
S BRAND	SS62A	212	19.3	9	2	24
S BRAND	SS63B	192	19.9	8	2	31
SEEDTEC	WAC-915	200	20.2	6	2	47
STAUFFER SEEDS	S7759	207	21.1	6	2	39
SUPER CROST	5415	203	20.4	7	1	32
SUPERIOR	SP 6022	210	19.9	7	1	21
SUPERIOR	SP 6884	208	21.0	5	3	14
TERRA	TR1060	181	18.0	8	1	13
TERRA	TR1120	198	20.5	4	1	23
TERRA	TR3400	205	20.6	6	3	41
TRI VALLEY	115	201	20.6	7	2	41
TRIUMPH	1040	172	17.6	7	2	40
TRIUMPH	1595	201	20.4	7	2	37
TRIUMPH	2020	200	20.9	7	3	31
WILSON	1700	195	20.6	8	2	25
WILSON	1700B	202	20.8	5	2	11
WILSON	2100	203	20.4	7	2	35
AVERAGE ALL ENTRIES		197.2	20.2	7.0	1.9	34.6
DIF. REQ. FOR SIG. 5%		14.6	1.5	NS	NS	17.7
25%		8.5	0.8	2.1	NS	10.3

TABLE 3C. SOUTH CENTRAL IRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	STALK ROT PCT
3 YEAR AVERAGE						
-----	NEBR. 611	198	19.8	8	2	48
AGRI PRO	AP510	173	18.7	14	2	60
AGRI PRO	820	202	20.1	6	1	49
AGRI PRO	830	200	20.4	7	1	50
AGRI PRO	830	204	20.7	5	2	27
BO-JAC	603	202	19.8	5	1	52
BO-JAC	607	200	19.6	7	1	29
CARGILL	SX352	197	20.1	8	2	59
CARGILL	7990	213	21.0	5	1	40
COKER	8575	195	19.0	7	1	45
COKER	8625	196	19.6	6	1	46
CROW'S	488	208	18.0	8	1	56
CROW'S	666	190	20.6	8	2	63
CURRY	1490	200	20.1	7	2	59
EK PREMIUM	EK7796	193	19.7	7	1	42
EK PREMIUM	EK8805	192	19.6	7	2	56
EK PREMIUM	EK8805A	187	19.8	8	2	58
EK PREMIUM	EK9900	202	22.7	7	2	53
FONTANELLE	5230	200	20.1	5	1	38
FUNK'S	G-4440	191	19.0	5	2	47
FUNK'S	G-4500	199	20.6	7	2	55
FUNK'S	G-4513	198	20.2	7	2	45
GOLDEN ACRES	T-E 6994	196	19.7	8	2	55
GOLDEN ACRES	T-E 6996	198	22.4	9	1	56
HAWKEYE	SX56	198	19.6	6	2	44
HAWKEYE	SX66A	200	20.2	7	1	28
HORIZON	4116	201	20.8	7	1	34
HORIZON	717	190	19.7	7	1	44
HORIZON	871	196	20.1	7	2	58
JACQUES	7820	200	20.0	6	1	44
JACQUES	7900	196	20.0	9	2	56
LYNK'S SEEDS	LX 4344	199	20.1	6	1	17
LYNK'S SEEDS	LX 4355	205	20.4	6	1	52
MC CURDY	7372	204	20.8	10	2	54
MC CURDY	7384	200	19.7	7	2	57
NORTHROP KING	PX9540	200	19.7	6	1	41
SEEDTEC	WAC-915	198	19.8	7	2	58
SUPER CROST	5415	202	20.0	7	1	46
SUPERIOR	SP 6022	207	19.5	6	1	39
SUPERIOR	SP 6884	203	20.3	6	3	26
TERRA	TR3400	200	20.0	7	2	53
TRIUMPH	1595	204	19.9	7	1	49
WILSON	1700	198	20.0	7	1	38
WILSON	1700B	205	20.4	5	1	23
WILSON	2100	203	19.8	7	1	47
AVERAGE ALL ENTRIES		198.6	20.0	7.0	1.5	46.6
DIF. REQ. FOR SIG.	5%	15.4	1.1	3.6	NS	15.4
	25%	9.0	0.6	2.1	0.8	9.0

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	STALK ROT PCT
4 YEAR AVERAGE						
-----	NEBR. 611	196	20.7	7	2	49
AGRI PRO	AP510	170	19.5	13	1	57
AGRI PRO	820	198	20.5	6	1	48
AGRI PRO	830	195	21.0	6	1	49
AGRI PRO	830	199	21.0	5	2	27
BO-JAC	603	198	20.4	5	1	51
CARGILL	SX352	195	20.8	7	2	57
CARGILL	7990	208	21.4	6	1	41
CROW'S	488	204	18.3	9	1	54
CURRY	1490	194	20.9	7	2	59
EK PREMIUM	EK7796	188	20.3	7	1	44
EK PREMIUM	EK8805	188	20.3	7	1	55
EK PREMIUM	EK9900	196	23.2	7	1	51
FONTANELLE	5230	194	20.6	5	1	39
FUNK'S	G-4440	190	19.9	5	2	48
GOLDEN ACRES	T-E 6996	193	22.6	8	1	53
HAWKEYE	SX56	195	20.3	6	2	45
HORIZON	717	190	20.4	6	1	47
JACQUES	7900	195	20.7	9	2	55
LYNK'S SEEDS	LX 4344	193	20.6	6	1	20
LYNK'S SEEDS	LX 4355	203	21.0	6	1	51
MC CURDY	7372	198	21.3	10	2	55
MC CURDY	7384	196	20.5	7	1	56
WILSON	1700	195	20.7	6	1	41
AVERAGE ALL ENTRIES		194.6	20.7	6.9	1.3	48.0
DIF. REQ. FOR SIG.	5%	14.7	1.1	3.9	NS	15.0
	25%	8.5	0.7	2.3	NS	8.7
5 YEAR AVERAGE						
-----	NEBR. 611	167	19.6	11	1	48
AGRI PRO	820	189	20.9	5	1	40
CURRY	1490	187	20.8	6	2	51
EK PREMIUM	EK7796	180	20.3	5	1	36
EK PREMIUM	EK8805	183	20.4	6	1	47
EK PREMIUM	EK9900	188	23.3	6	1	43
GOLDEN ACRES	T-E 6996	186	22.6	7	1	48
HAWKEYE	SX56	188	20.3	5	1	38
HORIZON	717	184	20.4	5	1	38
JACQUES	7900	187	20.6	8	2	46
LYNK'S SEEDS	LX 4355	193	20.9	5	1	45
MC CURDY	7384	188	20.6	6	1	48
WILSON	1700	188	20.6	5	1	34
AVERAGE ALL ENTRIES		185.2	20.9	6.2	1.2	43.2
DIF. REQ. FOR SIG.	5%	15.1	1.0	3.9	NS	15.4
	25%	8.8	0.6	2.8	NS	9.0

TABLE 4A. ZONE III NORTHEAST NONIRRIGATED. DIXON COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
-----	NEBR. 611	135	18.7	0	1	15750
AGRIGENE	AG 5500	127	15.8	0	3	16080
AGRIGENE	AG 7400	130	17.1	1	0	16080
AGRIPRO	AP510	137	18.4	1	1	16080
AGRIPRO	HP470	121	16.7	1	3	16080
AGRIPRO	680	124	17.1	1	4	16080
AGRIPRO	710A	125	17.1	0	2	16080
ASGROW/O'S GOLD	RX759	133	17.3	0	1	14900
ASGROW/O'S GOLD	2545	136	19.3	0	3	16080
CARGILL	SX352	133	18.6	0	3	16080
CARGILL	6127	128	15.4	1	1	16080
CARGILL	7993	135	18.3	0	1	16080
CARGILL	937	151	18.2	1	2	16080
CROW'S	181	102	15.5	1	9	16080
CROW'S	442	124	16.1	0	3	16080
CROW'S	482	128	17.5	1	2	15580
CROW'S	488	139	17.7	0	1	16080
CURRY	1479	136	16.3	1	1	16080
CURRY	1480	130	16.4	0	0	16080
CURRY	1490	145	17.6	1	2	16080
CUSTOM FARM SEEDW	96010	126	16.4	1	4	16080
CUSTOM FARM SEEDW	6251	139	17.3	1	3	16080
CUSTOM FARM SEED	6203	133	16.5	1	4	16080
CUSTOM FARM SEED	7501	138	17.8	1	1	16080
DAHLGREN	DC-535	118	15.7	1	2	16080
DAHLGREN	DC-541	133	15.8	0	0	16080
DAHLGREN	DC-545	146	19.3	0	0	16080
DAHLGREN	DC-555	138	18.8	2	2	16080
DEKALB/PFIZER	T1100 ##	128	16.4	0	0	16080
EK PREMIUM	EK7732	120	15.8	1	1	16080
EK PREMIUM	EK7740	125	16.7	0	3	16080
EK PREMIUM	EK7780	102	16.8	1	1	13990
EK PREMIUM	EK7785	134	16.8	1	3	15920
FONTANELLE	EXP 532	138	17.5	1	0	15660
FONTANELLE	4230	131	16.6	1	4	16080
FONTANELLE	4280	140	16.7	1	1	16080
FONTANELLE	5230	150	18.2	1	1	16080
FUNK'S	EXP 4105X	127	16.9	0	1	16080
FUNK'S	G-4440 ##	139	17.3	1	0	16080
FUNK'S	G-4513	153	17.8	0	0	16080
GOLDEN HARVEST	H-2480 ##	120	14.2	1	7	16080
GREEN ACRES	200	126	17.3	2	8	16080
GREEN ACRES	2000	125	17.6	1	4	16080
GREEN ACRES	342	73	19.7	11	5	16080
HOEGEMEYER	SX2625	124	16.1	0	1	15830
HOEGEMEYER	SX2632	132	15.8	0	1	16080
HOEGEMEYER	SX2680	141	17.7	1	1	16080
HORIZON	212	130	16.2	0	1	16080
HORIZON	4111	126	15.9	1	3	16080
HORIZON	4112	112	16.1	1	1	16080
HORIZON	717	134	18.5	1	1	16080
JACOBSEN	JS42	121	15.8	2	2	15570
JACOBSEN	JS49A	128	16.9	0	2	16080
JACOBSEN	JS51	124	16.5	0	4	16080
JACQUES	7700	127	16.0	0	2	16080
JACQUES	7900	137	18.5	1	3	16080
JACQUES	7950	142	18.5	1	3	16080
KALTENBERG	K7500	143	15.9	1	1	16080
KALTENBERG	K7700	128	19.3	1	3	16080
KING GRAIN	K416	104	14.4	1	6	16080

CONTINUED

TABLE 4A. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
KING GRAIN	K5574	116	16.2	1	3	16080
KING GRAIN	K596	119	15.9	0	1	15830
KING GRAIN	K647	145	17.6	0	1	15750
KRUGER	K8107A	121	16.1	0	2	16080
KRUGER	K8108	129	16.2	0	1	16080
KRUGER	K8110	133	16.1	0	1	16810
KRUGER	K8112	149	17.6	0	0	16080
LINCOLN SEED	ESD 226	145	18.3	1	2	15920
LINCOLN SEED	LS5433	126	17.7	0	0	16000
LINCOLN SEED	LS5445	122	15.7	1	4	15660
LINCOLN SEED	LS5465	132	18.8	1	1	16080
LYNKS SEEDS	DS 432	134	17.1	0	0	16080
LYNKS SEEDS	LX 4235	124	16.0	0	3	16080
LYNKS SEEDS	LX 4355	136	18.9	0	1	16080
MC CURDY	5750	124	17.6	1	3	16080
MC CURDY	5990	124	17.4	0	3	16080
MC CURDY	7372	141	18.9	1	1	16080
NORTHRUP KING	PX9527 ##	127	16.7	0	2	16080
NORTHRUP KING	PX9540	138	17.7	1	1	16080
NORTHRUP KING	X4325	116	16.7	0	2	16080
NORTHRUP KING	X5225	124	17.0	0	0	14580
PIONEER	3377 ##	166	17.5	1	4	16080
PIONEER	3475 ##	129	15.0	1	7	16080
PIONEER	3615	108	15.0	1	1	14750
PRIDE	EXP 117	127	18.7	0	1	16080
PRIDE	X1137	124	19.2	0	1	16080
PRIDE	5547	134	15.6	1	2	15920
PRIDE	7705	139	17.3	0	0	16080
S BRAND	SS42	119	14.7	2	9	16080
S BRAND	SS54A	133	15.8	1	1	15920
S BRAND	SS57A	129	16.3	0	3	13990
S BRAND	SS62A	158	17.4	0	2	16080
SEEDTEC	KX-6800	115	15.8	1	4	16000
SEEDTEC	ST-7440	119	14.5	0	1	16080
SEEDTEC	ST-7500	120	16.5	0	1	16080
SUPER CROST	2989	124	16.4	0	2	16080
SUPER CROST	5415	127	17.8	0	1	16080
SUPERIOR	SP 5527	134	16.5	2	1	16080
SUPERIOR	SP 5908	157	16.8	2	0	16080
TERRA	TR1040	126	16.5	0	3	16080
TERRA	TR1120	136	18.0	0	1	16080
TERRA	TR3203	128	17.5	0	0	16080
TERRA	TR3400	133	18.6	0	1	15660
TRI VALLEY	109	133	15.5	1	3	16080
TRI VALLEY	115	143	18.1	0	3	16080
TRIUMPH	1040	129	17.1	0	2	16080
TRIUMPH	1580	136	19.1	0	0	16080
TRIUMPH	1595	133	18.8	1	1	16080
WILSON	1640	135	16.1	1	1	15630
WILSON	1700	141	18.9	0	0	16080
WILSON	2100	134	18.1	1	0	16080
AVERAGE ALL ENTRIES		130.3	17.0	0.7	2.0	15971
DIF. REQ. FOR SIG. 5%		14.5	1.2	1.7	3.0	617
25%		8.5	0.7	1.0	1.8	363

Widely-grown hybrids entered by Agronomy Department.

TABLE 4B. NORTHEAST NONIRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
2 YEAR AVERAGE					
-----	NEBR. 611	140	19.7	2	1
AGRIPRO	AP510	139	19.6	1	1
AGRIPRO	HP470	134	17.9	1	2
AGRIPRO	680	135	18.1	2	3
ASGROW/O'S GOLD	2545	149	20.6	2	2
CARGILL	SX352	148	19.8	1	2
CARGILL	6127	138	17.2	1	1
CARGILL	937	149	19.6	1	2
CROW'S	181	110	16.7	2	5
CROW'S	442	135	17.4	1	2
CROW'S	488	149	18.6	1	2
CURRY	1490	147	19.5	1	2
CUSTOM FARM SEED	6203	135	18.0	2	2
EK PREMIUM	EK7732	124	17.3	2	1
EK PREMIUM	EK7740	130	17.8	1	2
EK PREMIUM	EK7780	119	18.6	2	1
EK PREMIUM	EK7785	136	18.0	2	2
FONTANELLE	4230	138	17.9	1	3
FONTANELLE	4280	143	18.4	1	1
FONTANELLE	5230	153	19.6	1	1
FUNK'S	G-4440	143	18.5	1	0
FUNK'S	G-4513	151	19.5	1	0
HORIZON	212	135	17.8	1	1
HORIZON	4111	135	17.7	1	2
HORIZON	717	140	19.7	2	1
JACQUES	7700	138	17.7	1	2
JACQUES	7900	149	19.6	1	2
KALTENBERG	K7700	144	20.6	1	2
KING GRAIN	K5574	127	17.8	1	2
KING GRAIN	K596	133	18.0	2	1
KRUGER	K8107A	130	17.7	2	1
KRUGER	K8110	142	17.7	2	1
KRUGER	K8112	155	19.2	1	0
LINCOLN SEED	LS5433	133	19.2	1	0
LINCOLN SEED	LS5445	127	17.3	2	2
LINCOLN SEED	LS5465	136	19.9	1	1
LYNKS SEEDS	LX 4235	129	17.6	1	2
LYNKS SEEDS	LX 4355	146	20.1	1	1
MC CURDY	5750	130	18.7	2	3
MC CURDY	7372	147	20.3	1	1
NORTHROP KING	PX9540	143	19.1	1	1
NORTHROP KING	X4325	129	17.5	2	1
PRIDE	EXP 117	133	19.4	0	1
PRIDE	7705	145	18.9	2	1
S BRAND	SS62A	155	18.9	1	2
SEEDTEC	KX-6800	130	17.8	1	2
SUPER CROST	2989	140	18.2	1	2
TERRA	TR1040	131	18.0	1	2
TERRA	TR1120	139	19.5	0	1
TERRA	TR3400	144	20.1	1	1
TRI VALLEY	109	141	17.6	2	2
TRI VALLEY	115	153	19.9	1	2
TRIUMPH	1040	131	18.3	1	1
TRIUMPH	1580	147	20.1	0	1
TRIUMPH	1595	139	19.9	1	1
WILSON	1640	139	18.0	2	1
WILSON	1700	144	19.9	1	0
AVERAGE ALL ENTRIES		138.4	18.7	1.3	1.5
DIF. REQ. FOR SIG. 5%		13.3	0.9	NS	NS
25%		7.7	0.5	NS	NS

TABLE 4C. NORTHEAST NONIRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
3 YEAR AVERAGE					
-----	NEBR. 611	139	19.7	1	1
AGRIPRO	AP510	140	19.6	1	0
AGRIPRO	680	139	18.1	1	2
ASGROW/O'S GOLD	2545	148	20.6	1	1
CARGILL	SX352	146	19.8	1	1
CARGILL	937	155	19.6	1	1
CROW'S	181	117	16.7	1	3
CROW'S	488	153	18.6	1	1
CURRY	1490	145	19.5	1	1
EK PREMIUM	EK7732	127	17.3	1	1
EK PREMIUM	EK7740	133	17.8	1	1
EK PREMIUM	EK7780	125	18.6	1	1
EK PREMIUM	EK7785	141	18.0	1	1
FONTANELLE	5230	149	19.6	0	0
FUNK'S	G-4440	144	18.5	1	0
HORIZON	212	144	17.8	1	1
HORIZON	717	139	19.7	1	1
JACQUES	7700	139	17.7	1	1
JACQUES	7900	146	19.6	1	1
KALTENBERG	K7700	145	20.6	1	1
KRUGER	K8107A	136	17.7	1	1
KRUGER	K8110	142	17.7	1	0
LYNKS SEEDS	LX 4235	133	17.6	1	1
LYNKS SEEDS	LX 4355	142	20.1	1	1
MC CURDY	5750	134	18.7	1	2
MC CURDY	7372	149	20.3	1	1
NORTHROP KING	PX9540	141	19.1	1	1
TERRA	TR3400	143	20.1	0	1
TRIUMPH	1580	146	20.1	0	0
TRIUMPH	1595	141	19.9	1	0
WILSON	1700	145	19.9	0	0
AVERAGE ALL ENTRIES		140.8	19.0	0.9	0.9
DIF. REQ. FOR SIG.		4	0.7	NS	NS
	2 %	8.3	0.4	NS	NS
4 YEAR AVERAGE					
-----	NEBR. 611	138	20.1	1	1
AGRIPRO	680	136	18.3	1	1
ASGROW/O'S GOLD	2545	148	21.3	1	1
CARGILL	937	148	20.4	1	1
CROW'S	488	152	19.2	1	1
CURRY	1490	144	20.4	1	1
EK PREMIUM	EK7732	123	17.8	1	1
EK PREMIUM	EK7740	133	18.4	1	1
EK PREMIUM	EK7780	122	18.5	1	1
EK PREMIUM	EK7785	139	18.8	1	1
FONTANELLE	5230	143	20.2	0	0
FUNK'S	G-4440	140	18.9	1	0
HORIZON	717	137	20.3	1	1
JACQUES	7700	139	17.7	1	1
JACQUES	7900	146	20.5	1	1
KALTENBERG	K7700	143	20.9	1	1
LYNKS SEEDS	LX 4235	135	18.0	1	1
LYNKS SEEDS	LX 4355	140	20.9	1	1
MC CURDY	7372	147	21.0	1	1
TERRA	TR3400	142	20.6	0	1
TRIUMPH	1580	142	20.6	0	0
WILSON	1700	144	20.4	1	0
AVERAGE ALL ENTRIES		139.9	19.7	0.9	0.8
DIF. REQ. FOR SIG.	5%	14.1	1.1	NS	NS
	25%	8.2	0.6	NS	NS
5 YEAR AVERAGE					
-----	NEBR. 611	132	20.0	1	0
CURRY	1490	139	20.4	1	1
EK PREMIUM	EK7780	120	18.2	1	0
HORIZON	717	133	20.0	1	0
JACQUES	7900	143	20.2	1	1
KALTENBERG	K7700	139	20.6	1	1
LYNKS SEEDS	LX 4355	136	20.6	1	1
AVERAGE ALL ENTRIES		134.6	20.0	1.0	0.6
DIF. REQ. FOR SIG.	5%	13.3	1.4	NS	NS
	25%	7.6	0.8	NS	NS

Grain moisture: No 1985 data.

TABLE 5A. ZONE III NORTHEAST IRRIGATED. PIERCE COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
-----	NEBR. 611	175	17.9	3	0	21340
AGRIGENE	AG 5500	168	16.3	1	0	22580
AGRIGENE	AG 7400	186	17.3	1	0	23010
AGRIPRO	AP510	191	18.6	1	0	23010
AGRIPRO	HP470	204	17.3	1	0	22450
AGRIPRO	680	175	16.8	1	1	23070
AGRIPRO	710A	179	17.6	1	0	22930
ASGROW/O'S GOLD	RX759	169	18.0	1	0	21610
ASGROW/O'S GOLD	2545	185	18.2	0	0	22790
CARGILL	SX352	188	18.5	2	0	23240
CARGILL	6127	175	15.5	0	0	22510
CARGILL	7993	186	17.7	1	0	23070
CARGILL	937	183	18.2	2	0	23380
CROW'S	181	140	15.6	1	0	23010
CROW'S	442	162	16.6	1	1	21360
CROW'S	482	183	17.9	2	0	23070
CROW'S	488	180	17.9	4	0	22790
CURRY	1479	181	16.8	1	0	21530
CURRY	1480	169	17.0	0	0	22760
CURRY	1490	175	17.8	1	1	22370
CUSTOM FARM SEEDW	96010	161	17.2	3	0	23160
CUSTOM FARM SEEDW	6251	175	17.8	2	0	23240
CUSTOM FARM SEED	6203	170	16.4	0	0	22790
CUSTOM FARM SEED	7501	181	18.5	0	0	20720
DAHLGREN	DC-535	170	16.2	1	0	23240
DAHLGREN	DC-541	167	16.9	1	0	22280
DAHLGREN	DC-545	200	19.5	1	0	23010
DAHLGREN	DC-555	186	18.3	0	0	23030
DEKALB/PFIZER	T1100 ##	188	17.5	0	0	22260
EK PREMIUM	EK7732	149	15.7	1	1	22200
EK PREMIUM	EK7740	170	16.2	2	0	22340
EK PREMIUM	EK7780	151	16.6	0	0	19110
EK PREMIUM	EK7785	174	16.2	1	0	22790
FONTANELLE	EXP 532	197	16.9	3	0	23010
FONTANELLE	4230	171	17.2	1	0	22790
FONTANELLE	4280	181	17.9	0	0	22930
FONTANELLE	5230	185	18.2	1	1	22790
FUNK'S	EXP 4105X	189	18.4	0	0	22790
FUNK'S	G-4440 ##	177	17.1	0	0	22750
FUNK'S	G-4513	192	17.3	1	0	22510
GOLDEN HARVEST	H-2480 ##	164	15.3	1	0	23240
GREEN ACRES	200	142	17.5	1	1	22120
GREEN ACRES	2000	147	17.4	2	0	20160
GREEN ACRES	342	115	18.6	2	15	21840
HOEGEMEYER	SX2625	177	17.0	0	0	22590
HOEGEMEYER	SX2632	169	16.8	1	0	22790
HOEGEMEYER	SX2680	196	18.0	0	0	21610
HORIZON	212	175	16.7	0	0	22820
HORIZON	4111	160	16.9	1	0	22050
HORIZON	4112	165	16.6	1	0	23070
HORIZON	717	180	17.0	1	0	22790
JACOBSEN	JS42	149	15.5	1	0	20360
JACOBSEN	JS49A	194	16.5	0	0	23010
JACOBSEN	JS51	166	16.4	1	0	23010
JACQUES	7700	176	15.9	0	0	21570
JACQUES	7900	194	19.0	3	1	22850
JACQUES	7950	207	19.1	1	0	23240
KALTENBERG	K7500	189	16.9	0	0	23010
KALTENBERG	K7700	185	19.0	3	1	22430
KING GRAIN	K416	136	14.7	1	0	22510

CONTINUED

TABLE 5A. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
KING GRAIN	K5574	178	17.4	0	0	22790
KING GRAIN	K596	181	16.2	0	0	22510
KING GRAIN	K647	182	17.3	0	0	21020
KRUGER	K8107A	158	17.4	1	0	22790
KRUGER	K8108	171	16.2	1	0	23240
KRUGER	K8110	179	16.8	0	0	22760
KRUGER	K8112	194	18.6	1	0	23010
LINCOLN SEED	ESD 226	198	18.1	3	0	22760
LINCOLN SEED	LS5433	157	17.1	0	0	22330
LINCOLN SEED	LS5445	164	15.7	1	0	22590
LINCOLN SEED	LS5465	183	18.3	2	1	22240
LYNKS SEEDS	DS 432	174	17.7	0	0	23010
LYNKS SEEDS	LX 4235	159	15.9	1	0	22450
LYNKS SEEDS	LX 4355	176	18.8	1	0	21950
MC CURDY	5750	169	18.0	1	0	22790
MC CURDY	5990	158	17.9	0	0	22790
MC CURDY	7372	201	19.0	1	0	23010
NORTHRUP KING	PX9527 ##	193	17.7	0	0	22120
NORTHRUP KING	PX9540	198	17.4	1	0	23240
NORTHRUP KING	X4325	172	16.6	2	0	23240
NORTHRUP KING	X5225	172	18.2	1	0	21710
PIONEER	3377 ##	185	17.9	4	1	22930
PIONEER	3475 ##	181	15.7	1	0	22720
PIONEER	3615	143	16.0	0	0	20610
PRIDE	EXP 117	189	19.5	2	0	23010
PRIDE	X1137	164	18.7	0	0	23010
PRIDE	5547	170	16.4	0	0	22470
PRIDE	7705	194	17.5	1	0	22430
S BRAND	SS42	171	14.9	0	0	22200
S BRAND	SS54A	167	16.2	0	0	20930
S BRAND	SS57A	170	16.8	0	0	19400
S BRAND	SS62A	193	17.1	1	0	22750
SEEDTEC	KX-6800	161	16.0	1	0	23010
SEEDTEC	ST-7440	165	15.9	0	0	22620
SEEDTEC	ST-7500	173	16.9	1	0	22790
SUPER CROST	2989	166	16.4	0	0	22790
SUPER CROST	5415	182	17.3	1	0	22790
SUPERIOR	SP 5527	183	17.7	1	0	23010
SUPERIOR	SP 5908	204	17.4	4	1	22790
TERRA	TR1040	188	17.3	1	0	23240
TERRA	TR1120	187	18.2	0	0	22510
TERRA	TR3203	164	17.1	0	0	22200
TERRA	TR3400	185	17.7	2	0	22280
TRI VALLEY	109	174	17.0	0	0	22680
TRI VALLEY	115	191	18.2	0	0	23010
TRIUMPH	1040	161	17.1	0	0	22720
TRIUMPH	1580	192	19.4	0	0	22620
TRIUMPH	1595	174	17.9	1	0	23240
WILSON	1640	177	17.1	0	0	23010
WILSON	1700	189	19.4	0	0	22620
WILSON	2100	186	19.0	1	0	22740
AVERAGE ALL ENTRIES		175.9	17.3	1.3	0.2	22506
DIF. REQ. FOR SIG. 5%		20.8	1.6	2.6	1.0	1270
25%		12.2	1.0	1.0	0.7	748

Widely-grown hybrids entered by Agronomy Department.

TABLE 5B. NORTHEAST IRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
2 YEAR AVERAGE					
-----	NEBR. 611	155	18.7	2	0
AGRIPRO	AP510	166	19.3	2	1
AGRIPRO	HP470	168	17.9	2	0
AGRIPRO	680	159	17.4	2	1
ASGROW/O'S GOLD	2545	173	19.1	1	1
CARGILL	SX352	170	19.2	2	0
CARGILL	6127	160	16.6	1	1
CARGILL	937	152	18.8	2	1
CROW'S	181	129	15.8	1	1
CROW'S	442	149	17.2	1	1
CROW'S	488	178	18.1	3	1
CURRY	1490	157	19.0	2	2
CUSTOM FARM SEED	6203	155	17.1	1	1
EK PREMIUM	EK7732	150	16.8	2	1
EK PREMIUM	EK7740	160	16.8	2	0
EK PREMIUM	EK7780	141	17.7	1	1
EK PREMIUM	EK7785	156	17.4	2	1
FONTANELLE	4230	153	17.7	2	1
FONTANELLE	4280	152	18.5	1	0
FONTANELLE	5230	168	19.3	1	1
FUNK'S	G-4440	154	17.9	1	1
FUNK'S	G-4513	168	18.5	2	1
HORIZON	212	165	17.4	1	1
HORIZON	4111	150	17.4	2	1
HORIZON	717	160	18.7	1	0
JACQUES	7700	160	16.9	1	1
JACQUES	7900	176	19.3	2	1
KALTENBERG	K7700	159	19.5	2	1
KING GRAIN	K5574	160	17.9	1	0
KING GRAIN	K596	169	17.1	2	0
KRUGER	K8107A	149	17.7	2	1
KRUGER	K8110	165	17.7	1	0
KRUGER	K8112	171	19.1	2	1
LINCOLN SEED	LS5433	158	18.0	1	1
LINCOLN SEED	LS5445	150	16.9	2	1
LINCOLN SEED	LS5465	165	18.9	2	2
LYNKS SEEDS	LX 4235	148	17.0	2	1
LYNKS SEEDS	LX 4355	158	19.5	1	0
MC CURDY	5750	165	18.1	1	1
MC CURDY	7372	173	19.5	2	1
NORTHROP KING	PX9540	166	18.5	1	1
NORTHROP KING	X4325	159	17.2	2	1
PRIDE	EXP 117	167	19.1	2	0
PRIDE	7705	166	18.5	1	0
S BRAND	SS62A	167	18.0	1	0
SEEDTEC	KX-6800	153	17.0	2	0
SUPER CROST	2989	156	17.5	1	1
TERRA	TR1040	157	17.8	2	0
TERRA	TR1120	161	19.0	1	1
TERRA	TR3400	171	18.9	1	1
TRI VALLEY	109	162	17.8	1	1
TRI VALLEY	115	171	19.1	1	1
TRIUMPH	1040	152	17.7	1	1
TRIUMPH	1580	170	19.5	2	0
TRIUMPH	1595	153	18.7	1	0
WILSON	1640	149	17.8	1	0
WILSON	1700	163	19.5	1	0
AVERAGE ALL ENTRIES		159.7	18.1	1.5	0.7
DIF. REQ. FOR SIG.	5%	NS	1.0	NS	NS
	25%	13.7	0.6	NS	NS

TABLE 5C. NORTHEAST IRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
3 YEAR AVERAGE					
-----	NEBR. 611	158	21.7	2	0
AGRIPRO	AP510	175	22.2	1	0
AGRIPRO	680	169	19.6	1	0
ASGROW/O'S GOLD	2545	178	22.4	1	0
CARGILL	SX352	179	22.4	1	0
CARGILL	937	168	21.9	2	0
CROW'S	181	147	16.7	2	0
CROW'S	488	182	19.5	3	0
CURRY	1490	172	22.5	1	1
EK PREMIUM	EK7732	155	18.5	1	0
EK PREMIUM	EK7740	170	18.9	1	0
EK PREMIUM	EK7780	155	19.7	0	0
EK PREMIUM	EK7785	160	19.4	1	0
FONTANELLE	5230	177	21.9	1	0
FUNK'S	G-4440	167	20.7	0	0
HORIZON	212	173	19.9	1	0
HORIZON	717	170	21.8	1	0
JACQUES	7700	174	19.1	1	0
JACQUES	7900	183	22.5	2	0
KALTENBERG	K7700	173	22.9	1	0
KRUGER	K8107A	167	19.4	1	0
KRUGER	K8110	171	19.8	1	0
LYNKS SEEDS	LX 4235	164	18.3	1	0
LYNKS SEEDS	LX 4355	173	22.9	1	0
MC CURDY	5750	176	19.7	1	0
MC CURDY	7372	180	22.4	1	0
NORTHROP KING	PX9540	177	21.5	1	0
TERRA	TR3400	176	22.5	2	0
TRIUMPH	1580	181	22.7	1	0
TRIUMPH	1595	167	21.7	0	0
WILSON	1700	172	22.1	0	0
AVERAGE ALL ENTRIES		170.6	20.9	1.1	TR
DIF. REQ. FOR SIG.	5%	22.0	2.5	NS	NS
	25%	12.8	1.5	NS	NS
4 YEAR AVERAGE					
-----	NEBR. 611	155	22.6	5	0
AGRIPRO	680	171	20.2	2	0
ASGROW/O'S GOLD	2545	178	23.1	1	0
CARGILL	937	173	22.7	2	0
CROW'S	488	179	20.2	3	1
CURRY	1490	176	23.2	2	1
EK PREMIUM	EK7732	155	19.0	1	0
EK PREMIUM	EK7740	166	19.6	1	0
EK PREMIUM	EK7780	157	20.5	1	0
EK PREMIUM	EK7785	161	20.3	2	0
FONTANELLE	5230	173	22.5	1	0
FUNK'S	G-4440	171	21.7	1	0
HORIZON	717	169	22.4	1	0
JACQUES	7700	174	19.8	2	1
JACQUES	7900	183	23.1	2	0
KALTENBERG	K7700	179	23.4	1	0
LYNKS SEEDS	LX 4235	168	19.5	2	0
LYNKS SEEDS	LX 4355	177	23.6	1	0
MC CURDY	7372	179	23.1	2	0
TERRA	TR3400	179	23.3	1	0
TRIUMPH	1580	178	23.4	1	0
WILSON	1700	176	22.6	0	0
AVERAGE ALL ENTRIES		171.6	21.8	1.6	0.1
DIF. REQ. FOR SIG.	5%	21.8	2.0	NS	NS
	25%	12.7	1.2	2.0	NS
5 YEAR AVERAGE					
-----	NEBR. 611	153	21.9	6	0
CURRY	1490	173	22.4	2	1
EK PREMIUM	EK7780	158	20.2	1	0
HORIZON	717	167	21.7	2	0
JACQUES	7900	179	22.3	2	0
KALTENBERG	K7700	173	22.6	2	1
LYNKS SEEDS	LX 4355	174	22.8	2	0
AVERAGE ALL ENTRIES		168.1	22.0	2.4	0.3
DIF. REQ. FOR SIG.	5%	20.3	1.7	NS	NS
	25%	11.6	1.0	2.8	0.7

TABLE 6A. SOUTHWEST ECOFALLOW. LINCOLN COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	PLANTS PER ACRE
-----	{N190-N192}M017	48	11.6	1	0	14960
-----	A632 X N193	40	11.2	0	0	14370
-----	NEBR. 611	57	13.3	0	0	14810
AGRIPRO	AP510	51	14.4	0	1	14370
AGRIPRO	818	56	14.6	2	1	14670
CARGILL	130410	59	11.3	0	1	14230
CARGILL	6127	48	11.5	3	3	14370
CARGILL	893	46	12.5	0	3	14230
CARGILL	937	63	13.7	6	1	14080
EK PREMIUM	EK809	41	12.3	7	9	14520
FUNK'S	G-4326	55	11.8	0	2	14080
FUNK'S	G-4340	49	11.4	1	0	15100
HAWKEYE	SX56	64	14.2	2	3	14520
HORIZON	4108	55	11.9	0	1	14810
HORIZON	4111	52	11.7	1	0	14080
HORIZON	4112	51	11.4	3	0	14670
HORIZON	5111	62	14.1	4	1	14520
LYNKS SEEDS	LX 4235	43	11.8	1	2	14670
MC CURDY	5750	48	11.4	2	0	14520
MC CURDY	7372	64	14.0	4	3	14520
PIONEER	3475	37	11.1	2	4	14520
PIONEER	3569	43	11.8	0	0	14520
WILSON	1100B	58	11.8	0	1	14230
WILSON	1640	59	11.6	0	0	14080
AVERAGE ALL ENTRIES		52.0	12.4	1.6	1.5	14477
DIF. REQ. FOR SIG. 5%		NS	1.0	4.0	3.9	NS
25%		10.4	0.6	2.4	2.3	377

TABLE 6B. SOUTHWEST ECOFALLOW. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
2 YEAR AVERAGE					
-----	(N190-N192)M017	64	16.5	1	1
-----	NEBR. 611	66	22.3	10	0
AGRIPRO	AP510	77	21.8	2	1
CARGILL	937	74	21.2	5	1
FUNK'S	G-4326	72	18.9	2	1
FUNK'S	G-4340	72	15.2	1	0
HAWKEYE	SX56	77	21.8	2	2
HORIZON	4111	82	19.6	1	0
LYNKS SEEDS	LX 4235	67	18.1	3	1
WILSON	1100B	71	18.2	0	1
WILSON	1640	74	18.1	0	0
AVERAGE ALL ENTRIES		72.2	19.2	2.5	0.7
DIF. REQ. FOR SIG.	5%	NS	NS	NS	NS
	25%	NS	NS	NS	NS
3 YEAR AVERAGE					
-----	NEBR. 611	64	22.7	7	0
AGRIPRO	AP510	78	21.3	1	0
CARGILL	937	76	21.4	3	0
FUNK'S	G-4326	76	17.3	1	1
FUNK'S	G-4340	77	15.2	0	0
LYNKS SEEDS	LX 4235	72	17.6	2	1
WILSON	1100B	73	17.4	0	0
AVERAGE ALL ENTRIES		73.9	19.0	2.0	0.3
DIF. REQ. FOR SIG.	5%	NS	4.3	NS	NS
	25%	NS	2.4	NS	NS
4 YEAR AVERAGE					
-----	NEBR. 611	63	24.2	6	0
AGRIPRO	AP510	75	23.3	1	0
CARGILL	937	74	22.3	3	0
LYNKS SEEDS	LX 4235	70	18.8	2	1
WILSON	1100B	71	17.9	0	0
AVERAGE ALL ENTRIES		70.6	21.3	2.4	0.2
DIF. REQ. FOR SIG.	5%	NS	3.6	NS	NS
	25%	8.9	2.0	NS	NS
5 YEAR AVERAGE					
-----	NEBR. 611	59	23.8	5	0
WILSON	1100B	66	17.2	0	0
AVERAGE ALL ENTRIES		62.4	20.5	2.5	0.0
DIF. REQ. FOR SIG.	5%	NS	5.9	NS	NS
	25%	6.5	2.9	NS	NS

EARS: 1983, 1984, 1986 data.

TABLE 7A. WEST CENTRAL IRRIGATED. LINCOLN COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
-----	A632 X N193	137	9.9	6	1
-----	M017 X N190	141	10.2	3	2
-----	M017 X N192	170	11.3	1	1
-----	NEBR. 611	208	13.0	6	0
AGRIGENE	AG 5500	160	10.9	0	0
AGRIGENE	AG 7400	229	13.1	1	0
AGRIPRO	AP510	212	13.5	3	0
AGRIPRO	AP670	185	13.1	5	0
AGRIPRO	820	198	14.0	3	1
ASGROW/O'S GOLD	RX759	183	12.9	4	1
ASGROW/O'S GOLD	2570	203	13.7	3	0
BO-JAC	4210	192	11.9	2	1
BO-JAC	454	185	12.8	2	0
BO-JAC	602	218	13.0	1	0
BO-JAC	603	210	13.5	2	0
CARGILL	SX352	206	13.0	1	0
CARGILL	6127	160	10.8	1	0
CARGILL	7877	185	12.9	2	0
CARGILL	7993	202	13.2	1	0
CROW'S	344	127	10.2	1	0
CROW'S	442	159	11.3	3	0
CROW'S	482	211	11.3	4	0
CROW'S	488	206	12.4	4	1
CURRY	1490	235	13.7	2	0
DAHLGREN	DC-535	160	10.6	2	0
DAHLGREN	DC-541	188	13.0	1	0
DAHLGREN	DC-545	203	12.7	4	0
DAHLGREN	DC-555	203	14.0	2	0
EK PREMIUM	EK7796	206	13.1	6	0
EK PREMIUM	EK7796C	206	13.3	2	1
EK PREMIUM	EK8805	187	13.2	4	0
EK PREMIUM	EK8805A	208	12.8	2	0
FONTANELLE	4280	184	12.9	2	0
FONTANELLE	5230	223	13.4	2	1
FONTANELLE	6235	224	12.6	1	0
HAWKEYE	EXP 2385	207	12.1	1	1
HAWKEYE	SX43	181	13.0	1	1
HAWKEYE	SX56	214	13.3	3	0
HORIZON	4111	171	10.9	2	1
HORIZON	4116	224	15.1	1	1

CONTINUED

TABLE 7A. CONCLUDED.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
HORIZON	718	202	13.4	2	0
HORIZON	871	217	13.8	2	0
JACQUES	7820	222	13.2	3	0
JACQUES	7900	194	13.1	4	0
JACQUES	7950	218	13.5	4	1
JACQUES	8210	224	15.0	4	0
LYNKS SEEDS	DS 432	181	13.6	1	0
LYNKS SEEDS	LX 4235	142	10.4	4	0
LYNKS SEEDS	LX 4355	217	13.8	5	1
MC CURDY	5750	168	10.9	1	1
MC CURDY	5990	192	11.3	2	0
MC CURDY	7372	241	14.0	1	1
NORTHRUP KING	PX9470	161	11.3	2	0
NORTHRUP KING	PX9540	198	13.2	1	0
NORTHRUP KING	X4325	186	10.7	1	0
NORTHRUP KING	X5225	196	12.6	1	0
PIONEER	3295	187	12.0	1	1
PIONEER	3377	234	12.8	1	1
PIONEER	3475	156	11.3	0	1
PIONEER	3569	149	10.3	2	0
S BRAND	SS54A	180	12.2	4	0
S BRAND	SS57A	211	12.1	4	0
S BRAND	SS62A	209	12.4	4	0
S BRAND	SS63B	221	13.2	4	0
SEEDTEC	ST-7625	206	12.7	4	1
SEEDTEC	ST-7680	219	13.1	5	1
SEEDTEC	WAC-915	172	13.0	2	0
SUPER CROST	5415	211	12.8	3	0
SUPER CROST	5460	218	12.8	1	0
TERRA	TR1060	168	11.5	2	0
TERRA	TR1120	216	13.6	0	0
TRIUMPH	1580	216	13.7	3	0
TRIUMPH	1595	196	12.9	3	0
TRIUMPH	1650FG	206	14.9	8	0
WILSON	1640	196	12.4	2	0
WILSON	1700	213	13.3	3	0
AVERAGE ALL ENTRIES		195.4	12.6	2.5	0.3
DIF. REQ. FOR SIG.	5%	33.9	0.7	NS	NS
	25%	20.0	0.4	2.4	NS

TABLE 7B. WEST CENTRAL IRRIGATED. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
2 YEAR AVERAGE					
-----	MO17 X N190	141	12.2	4	2
-----	MO17 X N192	170	13.4	3	3
-----	NEBR. 611	197	15.2	10	3
AGRIPRO	AP510	205	15.1	6	1
AGRIPRO	AP670	185	15.6	6	0
AGRIPRO	820	194	15.4	6	1
ASGROW/O'S GOLD	2570	210	15.2	7	2
BO-JAC	602	201	15.4	5	2
BO-JAC	603	200	15.4	6	2
CARGILL	SX352	197	14.9	5	3
CARGILL	6127	153	13.1	3	1
CROW'S	344	125	12.5	3	1
CROW'S	442	160	13.4	5	2
CROW'S	488	204	13.8	9	2
CURRY	1490	220	15.8	6	1
EK PREMIUM	EK7796	185	15.2	5	1
EK PREMIUM	EK8805	184	15.0	9	2
EK PREMIUM	EK8805A	193	15.0	7	2
FONTANELLE	5230	203	15.2	3	2
FONTANELLE	6235	216	15.1	5	1
HAWKEYE	SX56	207	15.4	7	1
HORIZON	4116	214	15.9	5	3
HORIZON	718	206	15.0	4	1
HORIZON	871	197	15.6	6	1
JACQUES	7820	206	15.0	4	1
JACQUES	7900	195	15.0	6	2
LYNKS SEEDS	LX 4235	154	12.7	7	1
LYNKS SEEDS	LX 4355	205	15.7	6	1
MC CURDY	5750	158	13.2	4	2
MC CURDY	7372	218	15.9	5	3
NORTHRUP KING	PX9540	178	15.8	4	1
NORTHRUP KING	X4325	167	12.8	2	0
S BRAND	SS62A	207	14.2	10	1
SEEDTEC	WAC-915	193	16.0	5	1
TRIUMPH	1580	200	15.6	6	2
TRIUMPH	1595	188	15.0	5	1
WILSON	1640	187	14.3	7	0
WILSON	1700	193	15.3	5	1
AVERAGE ALL ENTRIES		189.7	14.7	5.6	1.5
DIF. REQ. FOR SIG.	5%	28.2	1.1	NS	NS
	25%	16.3	0.6	2.4	NS

TABLE 7C. WEST CENTRAL IRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
3 YEAR AVERAGE					
-----	NEBR. 611	190	15.1	10	2
AGRIPRO	AP510	208	15.0	4	0
AGRIPRO	820	200	15.4	7	1
ASGROW/O'S GOLD	2570	207	14.9	9	2
BO-JAC	603	204	15.2	5	1
CARGILL	SX352	201	15.2	6	2
CROW'S	488	199	13.6	12	1
CURRY	1490	220	15.9	7	1
EK PREMIUM	EK7796	189	15.1	5	1
EK PREMIUM	EK8805	189	14.9	9	1
EK PREMIUM	EK8805A	193	15.2	6	1
FONTANELLE	5230	204	15.2	4	1
HORIZON	718	208	15.0	5	0
HORIZON	871	198	15.1	7	0
JACQUES	7820	203	14.9	6	0
JACQUES	7900	196	15.0	8	2
LYNKS SEEDS	LX 4235	164	12.5	7	1
LYNKS SEEDS	LX 4355	204	15.7	6	1
MC CURDY	7372	212	16.1	11	2
NORTHROP KING	PX9540	188	15.8	5	1
TRIUMPH	1580	204	15.4	7	1
TRIUMPH	1595	196	14.8	6	0
WILSON	1700	197	15.1	5	1
AVERAGE ALL ENTRIES		198.9	15.0	6.8	1.0
DIF. REQ. FOR SIG.	5%	25.5	0.8	NS	NS
	25%	14.8	0.5	3.5	1.0

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT
4 YEAR AVERAGE					
-----	NEBR. 611	186	16.6	11	2
AGRIPRO	AP510	209	16.4	5	1
AGRIPRO	820	204	16.8	8	1
ASGROW/O'S GOLD	2570	207	16.3	10	2
BO-JAC	603	208	16.4	6	2
CARGILL	SX352	201	16.7	9	2
CURRY	1490	219	17.3	8	1
EK PREMIUM	EK7796	195	16.4	6	1
EK PREMIUM	EK8805	198	16.5	8	1
FONTANELLE	5230	202	16.4	6	1
HORIZON	718	206	16.3	7	0
JACQUES	7900	200	16.6	9	2
LYNKS SEEDS	LX 4235	171	13.4	7	1
LYNKS SEEDS	LX 4355	208	17.2	7	1
MC CURDY	7372	211	17.7	12	3
TRIUMPH	1580	206	16.9	8	2
WILSON	1700	201	16.4	6	1
AVERAGE ALL ENTRIES		201.7	16.5	7.8	1.4
DIF. REQ. FOR SIG.	5%	25.5	0.9	NS	1.7
	25%	14.8	0.5	3.5	1.0
5 YEAR AVERAGE					
-----	NEBR. 611	176	16.2	11	2
AGRIPRO	820	196	16.6	9	2
ASGROW/O'S GOLD	2570	196	16.2	10	2
CURRY	1490	209	17.2	7	2
EK PREMIUM	EK7796	187	16.1	7	1
EK PREMIUM	EK8805	191	16.5	10	2
HORIZON	718	197	16.1	9	2
JACQUES	7900	194	16.3	9	3
LYNKS SEEDS	LX 4355	196	19.1	7	2
WILSON	1700	194	16.0	6	1
AVERAGE ALL ENTRIES		193.7	16.6	8.5	1.9
DIF. REQ. FOR SIG.	5%	23.9	NS	NS	NS
	25%	13.8	1.9	3.3	NS

TABLE 8A. ZONE IV WEST IRRIGATED. BOX BUTTE COUNTY. 1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	BUSHEL WEIGHT LBS	PLANTS PER ACRE	TASSEL JULY DATE	PLANT HEIGHT IN
-----	{N190-N192}M017	125	24.6	2	52.1	20540	27	101
-----	A632 X N193	132	20.1	1	55.5	20300	25	97
-----	FARM ENTRY 1	154	22.0	1	53.1	19910	26	97
-----	FARM ENTRY 3	127	17.6	2	56.6	19680	20	90
-----	M017 X N190	133	24.1	0	52.3	19290	25	101
AGRIGENE	AG 4200	129	26.3	0	49.6	22790	27	97
AGRIGENE	AG 5500	160	26.2	4	51.4	20610	30	95
AGRIPRO	AP364	143	21.9	1	53.1	21160	25	94
AGRIPRO	580	135	23.7	0	53.5	20070	26	95
ASGROW/O'S GOLD	RX498	129	22.0	1	53.0	18120	26	93
ASGROW/O'S GOLD	RX578	146	23.2	1	53.3	18820	26	94
ASGROW/O'S GOLD	RX626	140	26.1	1	50.2	18820	25	94
BO-JAC	117E	122	17.7	0	55.4	17740	25	94
BO-JAC	1250	137	23.6	1	50.1	19840	28	90
BO-JAC	128	126	21.4	1	53.9	18280	27	90
CARGILL	130410	131	26.4	2	51.9	18900	28	98
CARGILL	130411	141	19.0	2	56.6	17580	28	88
CARGILL	5157	153	23.6	0	53.7	20540	26	96
CARGILL	859	134	18.7	4	53.3	20300	26	98
DAHLGREN	DC-498	117	21.5	2	54.4	17740	26	89
DAHLGREN	DC-502	136	16.6	3	57.2	20610	27	89
DAHLGREN	DC-510	143	19.6	4	56.1	18670	27	89
EK PREMIUM	EK7740	139	26.1	0	51.5	17890	30	94
EK PREMIUM	EK7785	125	27.6	0	50.1	19840	26	100
EK PREMIUM	EK7796B	124	32.4	1	50.5	19210	30	103
EK PREMIUM	EK809	110	27.7	1	49.6	17970	28	100
FONTANELLE	EXP 333	147	20.5	2	52.3	18750	27	88
FONTANELLE	4030	148	21.2	0	55.6	18280	28	86
FONTANELLE	4400	125	23.3	4	53.5	17420	26	90
FUNK'S	EXP 3069X	154	21.6	1	52.6	21390	26	99
FUNK'S	G-4340	137	24.3	2	53.4	20690	25	100
HORIZON	4090	131	18.5	2	54.7	19290	24	96
HORIZON	4112	132	26.9	3	52.4	19760	29	100
HORIZON	6101	145	19.5	2	56.1	18980	28	86
HORIZON	6103	145	23.2	3	50.2	18900	28	91
JACQUES	5700	141	22.2	2	54.0	19140	28	88
JACQUES	7700	136	24.4	0	52.4	18980	29	95
LYNKS SEEDS	LX 4084	142	18.5	7	56.5	20460	28	87
LYNKS SEEDS	LX 4101	130	20.9	2	56.2	18050	26	90
MC CURDY	4945	143	22.9	6	53.9	20150	29	93
MC CURDY	5750	154	26.2	2	52.4	19520	30	100
NORTHRUP KING	PX9283	139	20.7	5	52.9	19600	25	96
NORTHRUP KING	PX9292	138	20.5	0	55.6	18980	26	91
NORTHRUP KING	PX9385	147	22.8	0	53.0	19760	26	92
PIONEER	3779	146	16.9	1	57.4	17810	26	96
PIONEER	3790	126	18.4	4	57.6	20220	26	88
PIONEER	3902	116	14.4	1	58.7	21240	19	87
SEEDTEC	ST-7351	142	26.8	0	50.8	21390	29	96
SEEDTEC	ST-7440	130	27.2	0	50.8	18900	26	96
SEEDTEC	ST-7500	124	26.9	3	51.4	19370	29	93
STAUFFER SEEDS	S4474	132	21.8	7	53.6	20460	26	96
TRIUMPH	TRX 6042	156	19.2	6	55.7	17500	27	84
TRIUMPH	1040	150	25.7	2	51.8	20150	29	99
TRIUMPH	9560	115	19.7	5	54.4	20220	27	95
WILSON	1500B	152	24.6	0	52.8	19370	29	98
AVERAGE ALL ENTRIES		136.6	22.5	1.9	53.5	19454	26.7	93.9
DIF. REQ. FOR SIG. 5%		18.8	2.7	NS	2.0	NS	1.3	7.2
25%		11.0	1.6	2.8	1.1	NS	0.8	4.2

Bushel weights at harvest moisture.

TABLE 8B. WEST IRRIGATED. 1983-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS	TASSEL JULY DATE	PLANT HEIGHT IN
2 YEAR AVERAGE								
-----	{N190-N192}M017	148	24.7	2	2	51.3	26	97
-----	FARM ENTRY 1	166	22.8	1	3	52.2	24	93
-----	FARM ENTRY 3	136	17.2	2	3	57.2	18	88
-----	M017 X N190	156	22.8	0	2	52.5	24	99
AGRIPRO	580	148	23.5	0	1	53.2	24	94
BO-JAC	117E	138	18.0	0	3	55.0	22	92
CARGILL	5157	159	24.6	0	2	52.8	25	92
CARGILL	859	145	20.1	4	5	52.2	24	93
EK PREMIUM	EK7740	151	26.3	0	2	50.6	29	93
EK PREMIUM	EK7785	130	27.0	0	5	49.7	24	97
FONTANELLE	4030	159	21.9	0	2	54.1	26	85
FUNK'S	G-4340	159	22.8	2	4	54.2	22	97
HORIZON	6101	161	21.4	2	2	54.1	27	86
LYNKS SEEDS	LX 4084	157	20.9	7	1	54.3	27	85
MC CURDY	4945	160	23.0	6	2	53.0	28	91
MC CURDY	5750	173	26.7	2	1	51.2	29	99
NORTHROP KING	PX9283	158	21.1	5	2	52.1	22	91
NORTHROP KING	PX9292	153	20.2	0	1	55.4	24	90
SEEDTEC	ST-7500	144	26.5	3	2	50.5	29	92
TRIUMPH	1040	167	26.6	2	2	51.1	29	97
TRIUMPH	9560	125	20.4	5	3	52.8	24	90
AVERAGE ALL ENTRIES		151.5	24.6	2.0	2.4	52.8	25.1	92.4
DIF. REQ. FOR SIG.	5%	15.1	2.8	NS	NS	2.2	2.4	4.6
	25%	8.5	1.6	2.8	NS	1.3	1.4	2.6
3 YEAR AVERAGE								
-----	FARM ENTRY 1	164	24.6	2	2	50.4	24	93
-----	FARM ENTRY 3	150	17.2	3	2	55.6	19	88
AGRIPRO	580	146	25.9	3	1	51.4	24	94
CARGILL	859	149	21.6	6	3	50.4	24	93
EK PREMIUM	EK7740	145	29.7	2	1	48.8	29	93
EK PREMIUM	EK7785	129	30.0	2	3	48.1	25	97
MC CURDY	4945	156	26.2	6	1	50.5	28	91
MC CURDY	5750	169	29.4	3	1	49.4	30	99
TRIUMPH	9560	130	21.3	4	2	51.4	24	90
AVERAGE ALL ENTRIES		148.7	25.1	3.4	1.8	50.7	25.2	93.1
DIF. REQ. FOR SIG.	5%	23.6	4.4	NS	NS	1.8	2.9	5.0
	25%	13.2	2.5	2.2	NS	1.0	1.6	2.6
4 YEAR AVERAGE								
-----	FARM ENTRY 1	158	23.8	1	2	50.5	24	93
AGRIPRO	580	143	24.6	3	1	51.8	25	94
EK PREMIUM	EK7740	143	27.8	1	1	49.3	29	93
EK PREMIUM	EK7785	131	28.7	2	3	48.3	25	97
MC CURDY	5750	166	27.8	2	1	49.5	29	99
AVERAGE ALL ENTRIES		148.1	26.5	1.8	1.6	49.9	26.4	95.2
DIF. REQ. FOR SIG.	5%	15.9	2.6	NS	NS	1.0	2.9	NS
	25%	8.8	1.5	NS	NS	0.5	1.6	2.6
5 YEAR AVERAGE								
MC CURDY	5750	163	27.3	3	0	50.0	30	104

Plant height: 1986, 1987 data.

TABLE 9A. EARLY ECOFALLOW. TWO TESTS. 1987.

BRAND	HYBRID	YIELD				1987 AVERAGE				
		AVERAGE BU/A	LINCOLN BU/A	CHEY. BU/A	MOISTURE PCT	BROKEN PCT	DROPPED PCT	BUSHEL WEIGHT	TASSEL JULY	PLANT HEIGHT
-----	(N190-N192)M017	60	66	54	20.3	1	1	54.3	21	89
-----	A632 X N193	68	66	69	17.9	1	0	57.6	19	85
-----	M017 X N190	64	67	60	19.2	0	0	55.8	20	90
CARGILL	130410	68	78	57	19.9	1	1	54.9	24	87
CARGILL	5157	80	83	77	17.9	0	1	57.2	21	87
CARGILL	859	58	58	57	19.3	2	0	54.5	21	83
HORIZON	4090	57	51	63	16.4	1	0	59.8	18	86
HORIZON	6089	54	58	50	16.5	1	0	60.0	18	86
HORIZON	6101	74	65	82	17.9	0	0	57.6	22	79
HORIZON	6103	87	84	90	18.0	1	1	54.5	23	83
LYNKS SEEDS	LX 4084	75	72	77	17.7	1	0	56.9	22	79
PIONEER	3704	80	81	78	15.3	0	0	59.2	20	84
PIONEER	3732	67	70	64	15.9	0	0	58.1	19	85
WILSON	15008	71	62	79	19.2	0	1	55.4	25	85
AVERAGE ALL ENTRIES		68.8	68.6	68.4	18.0	0.6	0.4	56.8	20.9	84.9
DIF. REQ. FOR SIG. 5%		16.5	13.0	9.6	NS	NS	NS	1.6	1.1	3.5
25%		9.2	7.5	5.6	2.2	NS	NS	0.9	0.8	2.0

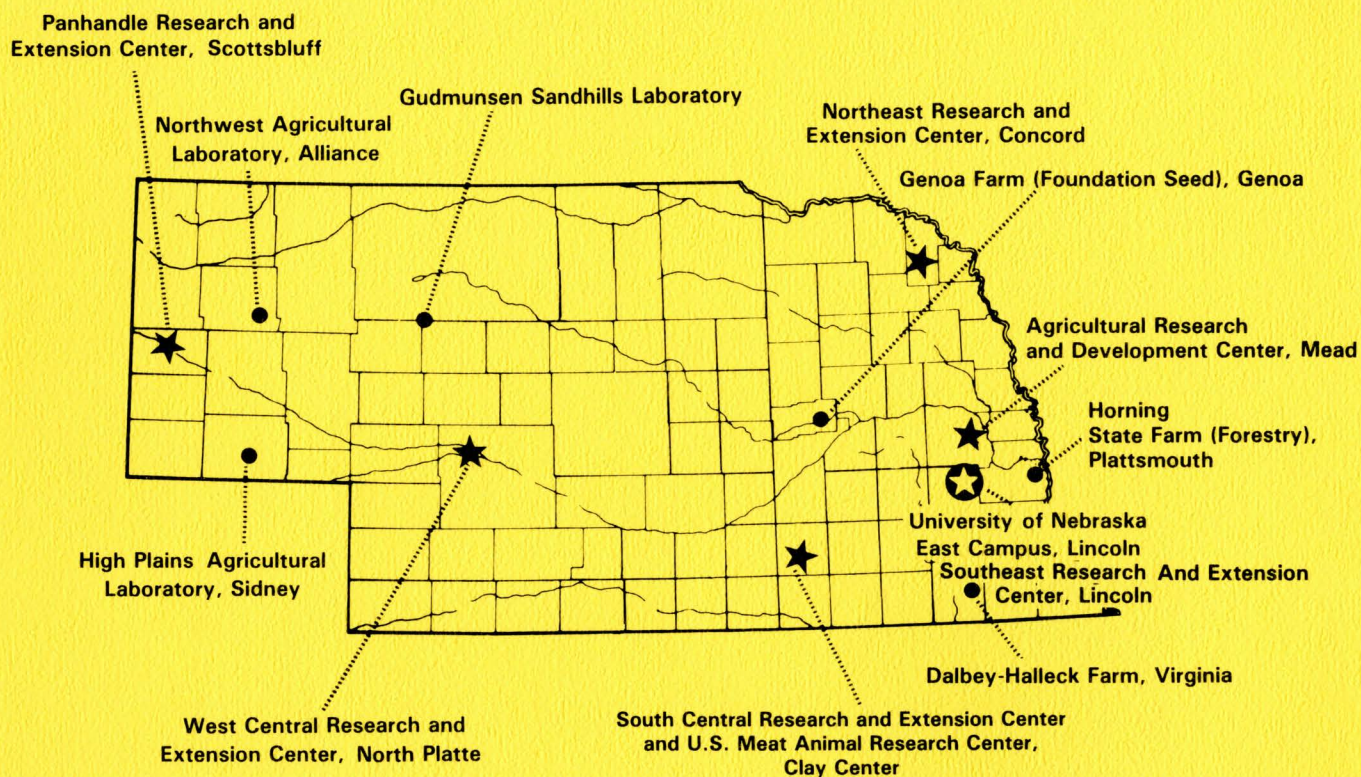
Bushel weights on dried grain from Cheyenne County only.

TABLE 9. EARLY ECOFALLOW. 1986-1987.

BRAND	HYBRID	GRAIN YIELD BU/A	GRAIN MOISTURE PCT	BROKEN PLANTS PCT	DROPPED EARS PCT	BUSHEL WEIGHT LBS	TASSEL JULY DATE	PLANT HEIGHT IN
		2 YEAR AVERAGE						
-----	(N190-N192)M017	73	22.2	1	1	55.5	23	88
-----	M017 X N190	72	19.6	1	2	57.0	22	88
CARGILL	5157	83	20.3	2	1	57.7	22	84
HORIZON	6101	81	19.4	1	0	57.5	23	77
LYNKS SEEDS	LX 4084	84	19.7	1	0	57.2	24	77
AVERAGE ALL ENTRIES		78.5	20.2	1.2	0.8	57.0	22.8	82.8
DIF. REQ. FOR SIG. 5%		NS	NS	NS	NS	NS	NS	2.9
25%		7.1	1.4	NS	NS	1.1	1.8	1.4

Tassel data: Cheyenne County only.

AGRICULTURAL RESEARCH AND EXTENSION FOR ALL OF NEBRASKA



The Agricultural Research Division of the Institute of Agriculture and Natural Resources is responsible for studies to broaden our basis of knowledge for agricultural production. Research centers and field laboratories provide applied information for development of Nebraska's largest industry — agriculture.

The Cooperative Extension Service transmits data and provides interpretation to users through Extension Agents and Specialists. Extension Agents may be contacted through 85 local Extension offices for additional information and more specific recommendations.

Nebraska is a large state and has great variation due to topography and the continental type of climate. The elevation ranges from 1,000 feet to near a mile high in the northwest portion of the state, rainfall varies from less than 15 to more than 35 inches per year, and the soil types vary from sands to heavy clays. The research and extension programs thus are broad in subject matter and geography, resulting in the need for various centers, satellite locations, and local offices.