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JANUARY 1981

NEBRASKA COOPERATIVE EXTENSION SERVICE—E.C. 81-106

NEBRASKA GRAIN SORGHUM PERFORMANCE TESTS 1980

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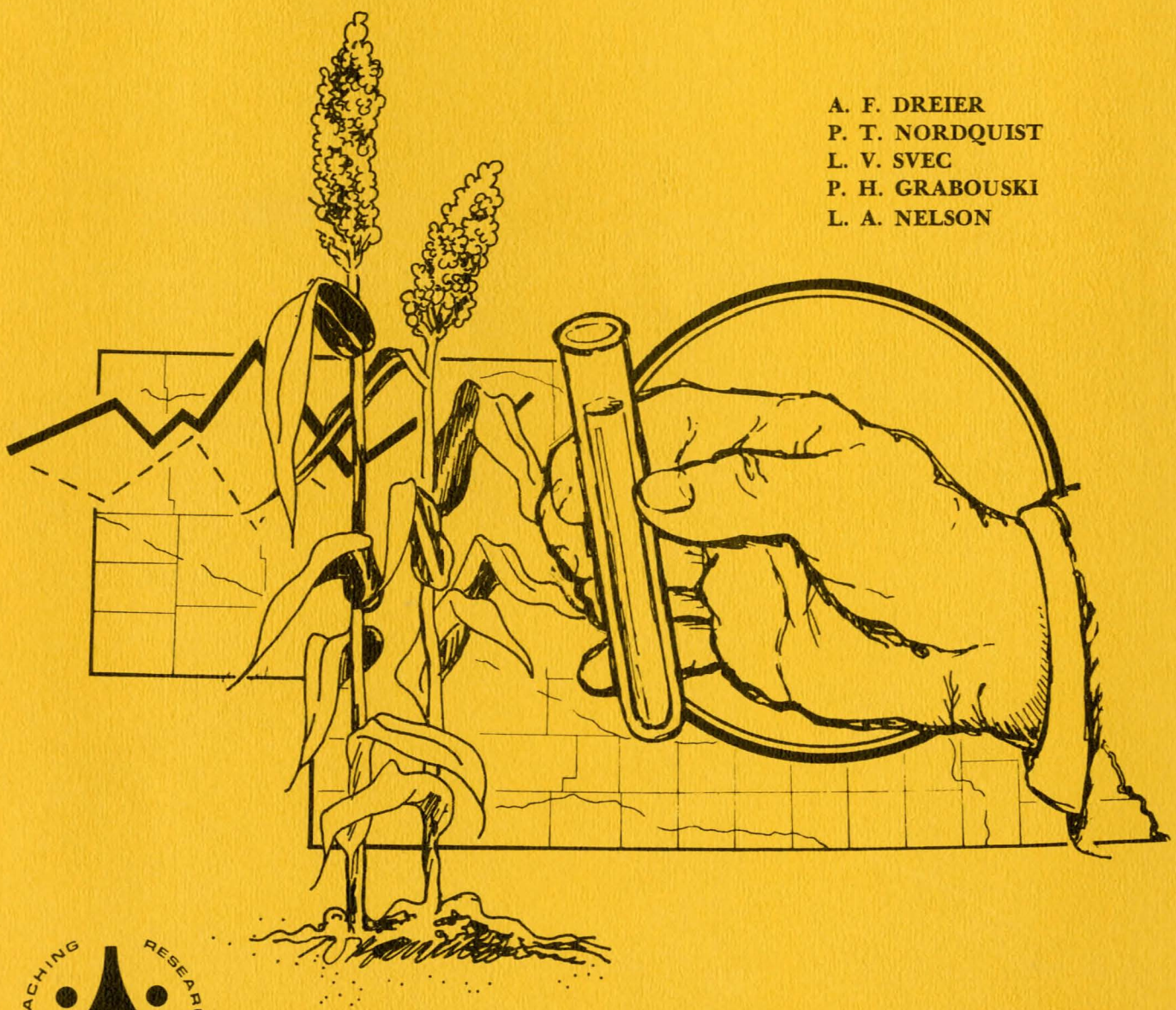

TEACHING RESEARCH EXTENSION
Institute of Agriculture and Natural Resources

Extension work in "Agriculture, Home Economics and subjects relating thereto," The Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska–Lincoln, Cooperating with the Counties and the U.S. Department of Agriculture
Leo E. Lucas, Director

EXTENSION CIRCULAR 80-106

January 1981

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ACKNOWLEDGMENT

This circular is a progress report of grain sorghum trials conducted to obtain yield and other information for some of the sorghum hybrids and varieties which have been developed. The 1980 season was the 23rd that private hybrid strains were included in extensive trials. Seed producers supported tests through payment of fees.

Cooperating in this project were the Agronomy Department and the South Central, North Platte, and Panhandle Stations. Acknowledgment is made to County Extension Agents and others who assisted in these tests. Special acknowledgment is made to farmer cooperators and to W.M. Ross, S.E.A., U.S.D.A. sorghum breeder. Conduct of experiments and publication of results is a joint effort of the Agricultural Experiment Station and the Cooperative Extension Service.

NEBRASKA GRAIN SORGHUM PERFORMANCE TESTS

1980

A. F. Dreier, P. T. Nordquist, P. H. Grabouski and L. A. Nelson [1/]

Nebraska produced a 58 bushels per acre (3641 kg/ha) average grain sorghum yield in 1980. The 1,930,000 acres (781 650 ha) harvested was 5% above 1979. This was the lowest harvested yield since 1976.

The 1980 grain crop was planted ahead of normal. Emergence and early growth were generally good. July temperatures were much above normal and moisture was lacking. Mid-August rains improved conditions slightly. The crop turned color ahead of normal, ripened and was harvested much ahead of normal. Drouth stress reduced sorghum yields in many areas. Chinch bugs caused heavy crop losses in southeastern Nebraska. Greenbugs were widely distributed but did not cause heavy losses.

This circular is a progress report of grain sorghum trials conducted by the Agricultural Experiment Station. Harvest data were obtained from all seven trials planted. Testing zones and locations of the trials are shown on the map (Page 3) and names of cooperators are included in Table A.

Names and addresses of entrants are shown in Table B. A list of entries and zones where tested are included in Table C. Selection of hybrids for each zone was made by the entrants. Entries are listed alphabetically by brand name and hybrid designation. Open-pedigree hybrids were entered by The Nebraska Agricultural Experiment Station.

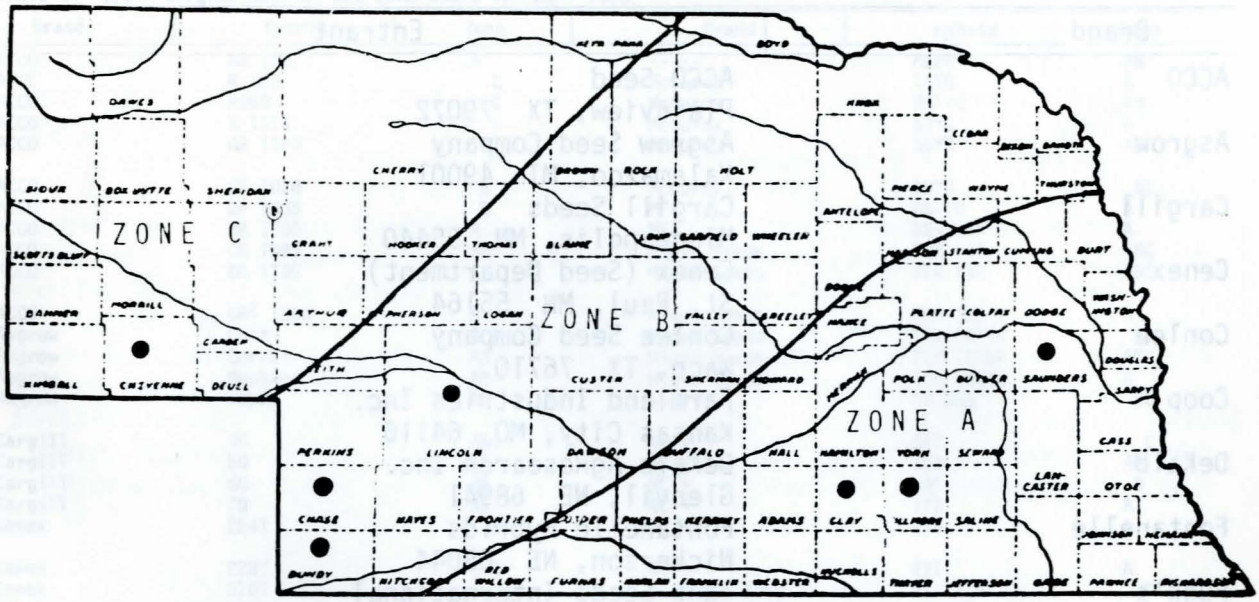
Parentage of open-pedigree entries follows:

Martin	(Variety or line)
NB 505	Martin x NB 3494
RS 455	M-A4 x SD 104
RS 626	Tx 3197 x Tx 414
RS 671	Redlan x Tx 415
TAM 680	Tx 378 x TAM 428

Data on one half bloom were obtained by visiting plots on alternate days during the flowering period. Where included, grain moisture determinations were made at or before harvest at a time when differences between entries were relatively high. This gives an indication of relative grain drying rates.

Plant height and head exsertion readings were made at harvest. Lodging readings in 1980 were taken at harvest. In previous years, readings sometimes were taken after harvest. Reported yields are based on 56 pounds per bushel and 14% grain moisture.

1/ Agronomists; Agricultural Experiment Station, Lincoln; North Platte Station, North Platte; North Platte Station, North Platte; and Panhandle Station, Scottsbluff, respectively.



SORGHUM MATURITY ZONES AND LOCATIONS
OF NEBRASKA PERFORMANCE TESTS 1980.

Table A. Location and cooperators. Nebraska grain sorghum performance tests. 1980.

Location	Cooperator
Zone A	
Saunders	Mead Field Laboratory
Fillmore	Robert Bettger, Fairmont
Clay	South Central Station
Zone B	
Lincoln	North Platte Station
Dundy	Guy Fries, Benkelman
Chase	Ernie Kuenning, Imperial
Zone C	
Cheyenne	High Plains Agricultural Laboratory

THE METRIC SYSTEM

Measurement data in this circular are given in currently used U.S. units followed by the metric units in parentheses ( ). Some equivalents and conversions used are as follows:

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 (kg/hl) = lb/bu x 1.287
Kilogram/hectare (kg/ha) = bu/A x 62.78 (56# bushel)

Table B. Entrants. Nebraska grain sorghum tests. 1980.

Brand	Entrant
ACCO	ACCO Seed Plainview, TX 79072
Asgrow	Asgrow Seed Company Kalamazoo, MI 49001
Cargill	Cargill Seeds Minneapolis, MN 55440
Cenex	Cenex (Seed Department) St. Paul, MN 55164
Conlee	Conlee Seed Company Waco, TX 76710
Coop	Farmland Industries Inc. Kansas City, MO 64116
DeKalb	DeKalb AgResearch Inc. Glenvil, NE 68941
Fontanelle	Fontanelle Hybrids Nickerson, NE 68044
Funk's	Funk Seeds International Lubbock, TX 79404
Golden Acres	Taylor-Evans Seed Company Tulia, TX 79088
Growers	Growers Seed Association Lubbock, TX 79408
Horizon	Horizon Seeds Inc. Lincoln, NE 68501
Keltgen	Keltgen Seed Company Olivia, MN 56277
McCurdy	McCurdy Seed Company Fremont, IA 52561
MFA	MFA Seed Operations Columbia, MO 65201
Migro Seeds	Migro Seeds Tekamah, NE 68061
NC +	NC + Hybrids Lincoln, NE 68504
Northrup King	Northrup King Company Minneapolis, MN 55440
Oro	R. C. Young Seed & Grain Company Lubbock, TX 79404
P-A-G	P-A-G Seeds Minneapolis, MN 55440
Pfizer Genetics	Pfizer Genetics Inc. Doniphan, NE 68832
Prairie Valley	Prairie Valley, Inc. Phillips, NE 68865
WAC	WAC Seed Company, Inc. Hereford, TX 79045
Warner	George Warner Seed Company Hereford, TX 79045
Weather Master	Weather Master Seeds Inc. Dassel, MN 55325
Wilson	Wilson Hybrids Inc. Harlan, IA 51537
-----	Agricultural Experiment Station (Martin, NB 505, RS 455, RS 626, RS 671, TAM 680)

Table C. Grain sorghum entries and zone where tested. 1980.

Brand	Hybrid	Zone	Brand	Hybrid	Zone
ACCO	GR 108	A	-----	Martin	AB
ACCO	R 920	C	McCurdy	16YG	A
ACCO	R980	C	McCurdy	M51YG	AB
ACCO	R 1014	C	McCurdy	53YG	A
ACCO	GR 1020	B	McCurdy	55YG	AB
ACCO	GR 1028	B	McCurdy	89YG	BC
ACCO	DR 1035	B	MFA	GS-10	A
ACCO	DR 1085	A	MFA	GS-301A	A
ACCO	GR 1089	AB	Migro Seeds	TEK 14R	ABC
ACCO	DG 1195	A	Migro Seeds	TEK 16R	ABC
ACCO	GR2 1200	A	Migro Seeds	TEK 35R	A
Asgrow	Colt	A	Migro Seeds	TEK 1011R	BC
Asgrow	Corral	AB	Migro Seeds	TEK 1055R	ABC
Asgrow	Mustang	AB	Migro Seeds	TEK 1094R	A
Asgrow	Topaz	AB	-----	NB 505	BC
Cargill	30	ABC	NC +	55X	C
Cargill	50	AB	NC +	160	AB
Cargill	60	AB	NC +	161	B
Cargill	70	AB	NC +	172	A
Cenex	224T	C	NC +	174	A
Cenex	228T	C	NC +	271	A
Cenex	310T	B	Northrup King	NK 121A	C
Cenex	330T	B	Northrup King	NK 129	C
Cenex	400T	AB	Northrup King	NK 1210	C
Cenex	402	A	Northrup King	NK 1580	C
Conlee	Quickee	AB	Northrup King	NK 2018	B
Conlee	Rawhide	AB	Northrup King	NK 2030	B
Conlee	Top Hand II	A	Northrup King	NK 2222	B
Coop	SG39GBR	AB	Northrup King	NK 2670	A
Coop	SG40GBR	AB	Northrup King	NK 2778	A
Coop	SG42GBR	AB	Oro	Oro G	B
DeKalb	A-28+	C	Oro	Oro G Xtra	A
DeKalb	B-38+	BC	Oro	Oro Recio	C
DeKalb	B-39Y+	B	Oro	Oro T-G	A
DeKalb	C-46+	A	P-A-G	4433	ABC
DeKalb	DK-42Aa	B	P-A-G	4474	AB
DeKalb	DK-42Yy	B	P-A-G	5514	AB
DeKalb	DK-57	AB	Pfizer Genetics	M518G	C
DeKalb	DK-58	AB	Pfizer Genetics	M550G	ABC
DeKalb	DK-59	A	Pfizer Genetics	M568G	AB
DeKalb	DK-61	A	Prairie Valley	515	BC
Fontanelle	G3X50	C	Prairie Valley	530	AB
Fontanelle	G3X80	B	Prairie Valley	535	AB
Fontanelle	G30	A	Prairie Valley	708	A
Fontanelle	G5537	AB	Prairie Valley	734	A
Fontanelle	G5547	AB	-----	RS 455	C
Funk's	G261	C	-----	RS 626	AB
Funk's	G499GBR	AB	-----	RS 671	AB
Funk's	G550	AB	-----	TAM 680	A
Funk's	G611	A	WAC	652G	AB
Funk's	G623GBR	A	WAC	692G	AB
Funk's	HW1769	C	WAC	D701G	AB
Golden Acres	T-E Dinero	AB	Warner	W-545T	C
Golden Acres	T-E Dinero-R	AB	Warner	W-564T	BC
Golden Acres	T-E Y-44-R	C	Warner	W-655T	AB
Golden Acres	T-E Y-45	ABC	Warner	W-839A	A
Golden Acres	T-E Y-101-R	AB	Warner	W-39DR	A
Golden Acres	T-E Exp. 8163	C	Warner	W-851DR	A
Growers	GSA 1210B	B	Weather Master	46Y GT	C
Growers	GSA 1212	AB	Weather Master	61Y GT	AB
Growers	GSA 1310A	AB	Weather Master	66Y GT	AB
Growers	GSA 1370A	AB	Wilson	614G	A
Horizon	45G	B	Wilson	617G	A
Horizon	95G	AB	Wilson	619G	A
Horizon	101G	AB	Wilson	621G	A
Horizon	104G	A	Wilson	623G	A
Keltgen	KG57T	C			
Keltgen	KG63T	ABC			
Keltgen	KG70T	AB			
Keltgen	KG75T	A			

Entries in the data tables are listed in order of increasing days from planting to one-half bloom. Days to bloom for all tests in the zone was used as the basis rather than individual trials. There are variations in maturity among trials and over years. The maturity of a hybrid is an important consideration in its evaluation for a given location. In making yield evaluation, hybrids should be compared with those having similar maturities.

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 were 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.

RESULTS

The average performance of all entries at each test location is shown in Table D. Grain yields generally were good. Test weights were high except for two trials in southwest Nebraska.

The maturity-yield correlation (r value) is an indication of the relationship between maturity as measured by days to bloom and grain yield. In Zone A, significant or highly significant correlations between maturity and grain yield were obtained in all three trials. In Zone B, two of three trials showed positive and highly significant relationships. Correlations in Lincoln County (Zone B) and Cheyenne County (Zone C) were nonsignificant.

The average performance of all hybrids included in trials over a five-year period is shown in Table E. The same hybrids were averaged within each zone. These data indicate the effect of years upon yield levels and other characteristics of the hybrids included.

Zone A

Ninety-three hybrids were grown at three Zone A locations in 1980. Average data are reported in Table 1a and individual location information from tests in Saunders, Fillmore and Clay (irrigated) Counties are shown in Tables 1b, 1c and 1d respectively.

In Saunders County, rainfall was below normal in July and much above normal in August. September was favorable for good grain fill. Conditions in Fillmore were similar except for less favorable moisture during August. In Clay County, dry weather at seeding caused uneven stands. Volunteer corn also caused problems. This plot was irrigated and final grain yields were high. All three trials matured before frost and produced high test weight grain.

Later-maturing entries were highest in yield at all three 1980 locations. This relationship exists for ten of the last twelve years for Zone A trials. Only in 1974, a very drouthy year with cooler than normal August and September temperatures, was earlier maturity correlated with higher grain yield. In 1971, there was no significant relationship between maturity and yield.

Period of years data for Zone A are given in Tables 1e and 1f. Sixty entries were included in two-, 33 in three-, 22 in four- and 10 in five-year averages.

Zone B

Conditions in Zone B varied greatly among locations. Grain yields were good for the moisture conditions. Average data are shown in Table 2a and individual location data from Lincoln, Dundy and Chase (irrigated) Counties are included in Tables 2b, 2c and 2d respectively.

The Lincoln and Dundy County trials were under moisture stress in July. August rains were beneficial. Later maturity was correlated with higher yield in Dundy County but not in Lincoln County. Bushel weights were high in Lincoln County and low in Dundy County. Plot variability was high in both. The Chase County trial was irrigated twice. Later entries were highest in yield.

Zone B nonirrigated grain yields were near the five-year average. During the last twelve years, later maturity was significantly correlated with higher grain yield in five seasons, early maturity was accompanied by lower yield in three seasons and there was no relationship in four seasons. This is an area of high year to year variability in growing conditions. These make it difficult to predict hybrid performance.

Period of years data for Zone B are shown in Tables 2b and 2c. A total of 43 entries were included in two-year, 30 in three-year, 17 in four-year and 8 in five-year averages.

Zone C

In Cheyenne County, early season moisture was adequate followed by a hot dry summer. Rainfall from planting to September 1 was 5.42 inches (138 mm). The test was harvested before frost. Final yields were near the five-year average (Table 3a).

There was no close relationship between maturity and yield in 1980. In tests since 1977 earlier hybrids were highest in yield in all years except 1977 and 1980.

Period of years data for Zone C are shown in Table 3b. Since 1977 and 1980 did not follow the normal yield pattern, yield differences were non-significant.

Table D. Average performance at each test location. 1980.

Location	Planted	Seed spacing 1/	Planting to bloom	Plant height	Head exsertion	Lodging	Test weight	Grain yield	Yield C.V.	Maturity yield correlation 2/
	date	in (cm)	days	in (cm)	in (cm)	%	lb/bu (kg/hl)	bu/A (kg/ha)	%	r
Zone A (93 entries)										
Saunders	May 30	3.3 (8)	71.5	39.3 (100)	3.8 (10)	---	60.5 (77.9)	120.6 (7571)	7.0	.34**
Fillmore	May 27	3.2 (8)	68.5	39.8 (101)	3.2 (8)	---	57.2 (73.6)	84.2 (5286)	12.7	.25*
Clay (irrigated)	May 29	2.9 (7)	67.4	46.7 (119)	3.8 (10)	---	59.9 (77.1)	144.1 (9047)	15.1	.53**
Average (3 locations)	-----	---	69.1	41.9 (106)	3.6 (9)	---	59.2 (76.2)	116.3 (7301)	12.8	.46**
Zone B (75 entries)										
Lincoln	May 22	4.0 (10)	74.4	33.7 (86)	---	---	59.7 (76.8)	65.6 (4118)	22.4	.11
Dundy	May 30	3.6 (9)	----	----	---	---	51.9 (66.8)	74.6 (4683)	26.7	.55**
Chase	May 22	3.6 (9)	----	46.7 (117)	---	---	53.6 (69.0)	116.2 (7295)	13.6	.45**
Average (3 locations)	-----	---	----	40.2 (102)	---	---	55.1 (70.9)	85.5 (5368)	19.1	.54**
Zone C (36 entries)										
Cheyenne	May 21	4.8 (12)	73.8	34.6 (88)	---	2.8	57.3 (73.7)	36.4 (2285)	23.6	.29

1/ Live seed basis. Row spacings: Saunders, Clay, Lincoln and Cheyenne 30 inches (76 cm); Fillmore and Chase 36 inches (91 cm); Dundy 38 inches (97 cm).

2/ Correlation of days to bloom for zone with acre grain yield. Higher r values indicate closer agreement. ** highly significant (1% level).

Table E. Grain sorghum. Average performance by years. Entries common over years within zones. 1976-1980.

Zone and year	Planting to bloom	Plant height	Head exsertion	Early grain moisture	Lodging	Test weight	Grain yield
	days	in (cm)	in (cm)	%	%	lb/bu	bu/A (kg/ha)
Zone A (10 entries)							
1976	72.0	43.4 (110)	4.3 (11)	29.1	----	54.9	109.1(6849)
1977	67.0	36.8 (93)	3.0 (8)	24.5	8.0	51.7	65.7(4125)
1978	74.1	46.6 (118)	4.6 (12)	----	0.5	55.3	120.0(7534)
1979	74.2	45.2 (115)	4.5 (11)	24.0	3.1	58.0	129.4(8124)
1980	68.4	40.6 (103)	3.4 (9)	27.7	----	58.4	106.9(6711)
Five-year av.	71.2	42.5 (108)	4.1 (10)	26.3	3.7	55.6	106.1(6661)
Zone B (8 entries)							
1976	74.1	40.7 (103)	----	----	21.3	56.9	67.5(4238)
1977	67.0	43.5 (110)	----	----	7.7	58.4	92.1(5782)
1978	73.8	34.9 (89)	----	----	28.3	56.9	51.0(3202)
1979	74.8	46.3 (118)	----	----	63.4	56.4	60.3(3786)
1980	73.4	40.4 (103)	----	----	----	53.9	74.4(4671)
Five-year av.	72.5	41.1 (104)			30.3	56.5	69.1(4338)
Zone C (6 entries)							
1976	87.5	38.1 (97)	----	----	30.0	49.5	21.9(1375)
1977	70.2	35.2 (89)	----	----	17.2	56.5	41.6(2612)
1978	87.1	40.7 (103)	----	21.6	3.0	51.3	43.2(2712)
1979	81.3	36.1 (92)	----	----	----	54.8	51.9(3258)
1980	70.7	36.6 (93)	----	11.2	10.7	56.5	31.7(1990)
Five-year av.	79.3	37.3 (95)		16.7	15.5	53.7	38.0(2386)

TABLE 1a. ZONE A. SUMMARY. SAUNDERS, FILLMORE AND CLAY (IRR) COUNTIES. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
			AVERAGE 3 LOCATIONS							
CARGILL	30	61	42	(107)	5	23	.	58.4	96	(6030)
GOLDEN ACRES	T-E Y-45	62	43	(109)	4	24	.	57.5	97	(6090)
CONLEE	QUICKEE	62	38	(97)	5	23	.	58.3	74	(4650)
WARNER	W-655T	62	44	(112)	4	23	.	59.9	118	(7410)
FUNK'S	G499GBR	63	35	(89)	3	27	.	57.3	94	(5900)
KELTGEN	KG63T	63	45	(114)	4	26	.	59.8	118	(7410)
P-A-G	4433	63	38	(97)	4	24	.	57.6	80	(5020)
-----	RS 626	63	41	(104)	3	27	.	57.4	86	(5400)
MIGRO SEEDS	TEK 1055R	63	44	(112)	6	25	.	59.6	112	(7030)
WAC	652G	63	45	(114)	5	24	.	59.4	119	(7470)
PFIZER GENETICS	M550G	63	45	(114)	6	26	.	60.1	125	(7850)
WILSON	614G	63	44	(112)	4	27	.	59.6	120	(7530)
ASGROW	CORRAL	64	45	(114)	6	24	.	60.1	111	(6970)
CARGILL	50	64	42	(107)	4	27	.	57.9	113	(7090)
FONTANELLE	G5547	64	45	(114)	5	26	.	60.1	125	(7850)
WILSON	617G	64	44	(112)	5	26	.	59.4	113	(7090)
NC+	160	65	44	(112)	4	26	.	59.4	120	(7530)
DEKALB	DK-57	66	43	(109)	3	33	.	59.8	125	(7850)
PRAIRIE VALLEY	530	66	42	(107)	3	24	.	59.9	115	(7220)
PRAIRIE VALLEY	535	66	43	(109)	5	25	.	60.2	120	(7530)
MIGRO SEEDS	TEK 14R	66	46	(117)	4	24	.	60.5	114	(7160)
ACCO	GR 1089	67	43	(109)	4	27	.	57.6	104	(6530)
ACCO	GR 108	67	40	(102)	3	25	.	58.7	111	(6970)
ACCO	DR 1085	67	40	(102)	3	27	.	60.3	102	(6400)
CARGILL	60	67	40	(102)	4	28	.	57.9	109	(6840)
DEKALB	DK-42A	67	40	(102)	3	28	.	59.6	117	(7350)
FONTANELLE	G5537	67	40	(102)	3	25	.	59.9	124	(7780)
FUNK'S	G550	67	43	(109)	4	28	.	60.1	118	(7410)
KELTGEN	KG75T	67	43	(109)	4	30	.	58.4	116	(7280)
MCCURDY	16YG	67	40	(102)	4	28	.	58.0	104	(6530)
-----	MARTIN	67	37	(94)	3	22	.	58.2	57	(3580)
P-A-G	5514	67	39	(99)	4	27	.	58.5	111	(6970)
MIGRO SEEDS	TEK 35R	67	41	(104)	4	27	.	58.2	114	(7160)
DEKALB	C-46+	68	43	(109)	4	28	.	60.3	104	(6530)
DEKALB	DK-58	68	42	(107)	3	28	.	60.7	127	(7970)
MCCURDY	M51YG	68	40	(102)	3	27	.	58.2	107	(6720)
MFA	GS-10	68	41	(104)	3	27	.	58.0	102	(6400)
CENEX	400T	69	40	(102)	3	29	.	57.9	115	(7220)
FONTANELLE	G30	69	41	(104)	4	29	.	58.5	114	(7160)
GOLDEN ACRES	T-E Y-101-R	69	40	(102)	3	27	.	57.2	123	(7720)
HORIZON	104G	69	45	(114)	4	32	.	60.0	133	(8350)
KELTGEN	KG70T	69	41	(104)	3	29	.	57.9	108	(6780)
MIGRO SEEDS	TEK 16R	69	41	(104)	4	31	.	58.4	105	(6590)
-----	TAM 680	69	45	(114)	3	28	.	60.7	117	(7350)
ASGROW	TOPAZ	70	42	(107)	3	28	.	61.5	134	(8410)
FUNK'S	G623GBR	70	42	(107)	3	31	.	58.3	112	(7030)
FUNK'S	G611	70	44	(112)	3	28	.	58.8	125	(7850)
CONLEE	RAWHIDE	70	40	(102)	3	31	.	58.1	117	(7350)
MCCURDY	53YG	70	41	(104)	3	31	.	60.3	119	(7470)
PFIZER GENETICS	M568G	70	42	(107)	3	26	.	60.4	122	(7660)

CONTINUED

TABLE 1a. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
			AVERAGE 3 LOCATIONS							
-----	RS 671	70	42	(107)	3	27	.	58.0	113	(7090)
WARNER	W-839A	70	40	(102)	4	28	.	59.8	120	(7530)
WILSON	619G	70	40	(102)	3	30	.	58.4	111	(6970)
CENEX	402	71	42	(107)	4	27	.	58.3	106	(6650)
CONLEE	TOP HAND II	71	44	(112)	3	29	.	59.0	115	(7220)
COOP	SG40GBR	71	41	(104)	3	31	.	58.1	101	(6340)
GROWERS	GSA 1212	71	42	(107)	4	29	.	59.3	127	(7970)
GROWERS	GSA 1310A	71	41	(104)	4	29	.	59.6	128	(8040)
HORIZON	95G	71	40	(102)	3	28	.	57.4	107	(6720)
NC+	172	71	41	(104)	3	29	.	60.3	125	(7850)
P-A-G	4474	71	41	(104)	3	30	.	58.9	115	(7220)
ORO	ORO T-G	71	45	(114)	4	27	.	59.1	116	(7280)
WEATHER MASTER	66Y GT	71	42	(107)	3	32	.	60.4	137	(8600)
ASGROW	MUSTANG	72	40	(102)	3	29	.	60.0	117	(7350)
CARGILL	70	72	41	(104)	4	29	.	59.7	122	(7660)
COOP	SG39GBR	72	42	(107)	3	28	.	59.0	122	(7660)
GOLDEN ACRES	T-E DINERO-R	72	41	(104)	2	28	.	57.8	125	(7850)
HORIZON	101G	72	40	(102)	3	28	.	60.2	121	(7600)
MCCURDY	55YG	72	43	(109)	3	30	.	60.0	127	(7970)
MFA	GS-301A	72	41	(104)	3	27	.	60.3	122	(7660)
NC+	174	72	42	(107)	3	33	.	59.9	146	(9170)
PRAIRIE VALLEY	708	72	43	(109)	4	31	.	60.7	130	(8160)
PRAIRIE VALLEY	734	72	40	(102)	3	29	.	59.9	123	(7720)
MIGRO SEEDS	TEK 1094R	72	40	(102)	4	28	.	60.3	132	(8290)
WAC	692G	72	40	(102)	3	29	.	59.7	129	(8100)
WARNER	W-839DR	72	42	(107)	3	29	.	58.9	117	(7350)
WEATHER MASTER	61Y GT	72	40	(102)	3	29	.	59.6	124	(7780)
WILSON	621G	72	42	(107)	3	29	.	60.2	134	(8410)
ACCO	DG 1195	73	39	(99)	4	33	.	60.5	120	(7530)
COOP	SG42GBR	73	42	(107)	3	32	.	55.9	121	(7600)
GOLDEN ACRES	T-E DINERO	73	40	(102)	4	28	.	58.8	124	(7780)
GROWERS	GSA 1370A	73	43	(109)	4	35	.	58.3	118	(7410)
NC+	271	73	43	(109)	4	31	.	60.5	120	(7530)
NORTHRUP KING	NK 2778	73	43	(109)	4	31	.	59.1	125	(7850)
NORTHRUP KING	NK 2670	73	43	(109)	3	29	.	59.8	132	(8290)
ORO	ORO G XTRA	73	45	(114)	3	32	.	60.3	131	(8220)
WAC	D701G	73	43	(109)	3	32	.	59.5	123	(7720)
WILSON	623G	73	45	(114)	3	32	.	60.2	128	(8040)
DEKALB	DK-59	74	44	(112)	3	35	.	58.5	122	(7660)
WARNER	W-851DR	74	44	(112)	3	36	.	59.9	126	(7910)
ACCO	GR (2) 1200	76	40	(102)	3	32	.	59.5	107	(6720)
ASGROW	COLT	77	45	(114)	4	40	.	60.0	131	(8220)
DEKALB	DK-61	77	44	(112)	4	36	.	59.2	110	(6910)
AVERAGE ALL ENTRIES		69.1	41.9	(106)	3.6	28.5		59.2	116.3	(7301)
DIF. REQ. FOR SIG.	5%	3.6	2.7	(7)	1.5	4.2		1.1	17.0	(1067)
	25%	2.1	1.6	(4)	0.9	2.4		0.6	10.0	(628)

Early grain moisture - Saunders County only.

TABLE 1b. ZONE A. SAUNDERS COUNTY. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
CARGILL	30	65	40	(102)	5	23	.	59.2	97	(6090)
CONLEE	QUICKEE	67	36	(91)	6	23	.	60.6	85	(5340)
WARNER	W-655T	66	41	(104)	5	23	.	60.1	123	(7720)
GOLDEN ACRES	T-E Y-45	68	41	(104)	5	24	.	59.4	112	(7030)
MIGRO SEEDS	TEK 1055R	68	42	(107)	5	25	.	61.0	124	(7780)
P-A-G	4433	68	36	(91)	4	24	.	58.8	93	(5840)
CARGILL	50	71	39	(99)	5	27	.	59.7	119	(7470)
FONTANELLE	G5547	67	42	(107)	6	26	.	61.3	126	(7910)
FUNK'S	G499GBR	70	33	(84)	1	27	.	58.7	98	(6150)
KELTGEN	KG63T	68	42	(107)	6	26	.	61.0	122	(7660)
-----	RS 626	70	38	(97)	2	27	.	58.0	89	(5590)
WAC	652G	66	43	(109)	6	24	.	60.5	124	(7780)
WILSON	614G	68	41	(104)	6	27	.	61.1	125	(7850)
ASGROW	CORRAL	68	42	(107)	6	24	.	61.5	132	(8290)
PFIZER GENETICS	M550G	70	40	(102)	5	26	.	60.9	128	(8040)
WILSON	617G	68	43	(109)	6	26	.	61.2	127	(7970)
NC+	160	69	43	(109)	6	26	.	61.3	129	(8100)
MIGRO SEEDS	TEK 14R	69	43	(109)	4	24	.	61.6	117	(7350)
DEKALB	DK-57	74	40	(102)	3	33	.	60.5	128	(8040)
PRAIRIE VALLEY	530	69	38	(97)	3	24	.	61.1	116	(7280)
FONTANELLE	G5537	70	38	(97)	3	25	.	61.0	123	(7720)
PRAIRIE VALLEY	535	68	41	(104)	6	25	.	61.2	131	(8220)
ACCO	GR 1089	70	40	(102)	5	27	.	59.5	111	(6970)
ACCO	DR 1085	71	38	(97)	4	27	.	61.7	105	(6590)
CARGILL	60	71	39	(99)	4	28	.	59.8	118	(7410)
DEKALB	DK-42A	72	39	(99)	3	28	.	60.7	130	(8160)
KELTGEN	KG75T	69	41	(104)	4	30	.	59.5	122	(7660)
-----	MARTIN	74	32	(81)	3	22	.	60.5	60	(3770)
ACCO	GR 108	70	39	(99)	4	25	.	60.4	119	(7470)
P-A-G	5514	70	39	(99)	3	27	.	60.1	122	(7660)
MIGRO SEEDS	TEK 35R	70	38	(97)	4	27	.	60.0	117	(7350)
DEKALB	C-46+	71	41	(104)	6	28	.	61.2	113	(7090)
FUNK'S	G550	71	40	(102)	2	28	.	61.4	126	(7910)
MCCURDY	16YG	70	40	(102)	4	28	.	59.5	116	(7280)
DEKALB	DK-58	70	40	(102)	3	28	.	62.0	136	(8540)
MCCURDY	M51YG	71	38	(97)	3	27	.	59.8	115	(7220)
GOLDEN ACRES	T-E Y-101-R	71	38	(97)	4	27	.	59.6	113	(7090)
NFA	GS-10	71	38	(97)	3	27	.	60.3	108	(6780)
CENEX	400T	71	40	(102)	4	29	.	59.9	121	(7600)
FONTANELLE	G30	71	39	(99)	5	29	.	59.8	118	(7410)
HORIZON	104G	73	42	(107)	5	32	.	61.4	136	(8540)
KELTGEN	KG70T	71	38	(97)	3	29	.	59.9	118	(7410)
-----	TAM 680	72	39	(99)	2	28	.	62.0	121	(7600)
CONLEE	RAWHIDE	73	39	(99)	4	31	.	59.9	116	(7280)
MCCURDY	53YG	73	38	(97)	3	31	.	61.0	123	(7720)
MIGRO SEEDS	TEK 16R	73	38	(97)	4	31	.	60.0	117	(7350)
ASGROW	TOPAZ	72	38	(97)	3	28	.	62.4	123	(7720)
-----	RS 671	72	37	(94)	3	27	.	59.0	109	(6840)
WARNER	W-839A	71	38	(97)	4	28	.	61.3	128	(8040)
WILSON	619G	72	34	(86)	3	30	.	59.6	122	(7660)
FUNK'S	G611	73	43	(109)	5	28	.	60.4	129	(8100)
PFIZER GENETICS	M568G	69	38	(97)	4	26	.	61.1	124	(7780)
COOP	SC40GBR	74	37	(94)	2	31	.	59.9	114	(7160)
FUNK'S	G623GBR	72	38	(97)	3	31	.	59.9	113	(7090)
CRC	CRC T-G	70	40	(102)	3	27	.	59.8	126	(7910)

CONTINUED

TABLE 1b. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
CONLEE	TOP HAND II	72	39	(99)	2	29	.	60.6	111	(6970)
GROWERS	GSA 1212	72	42	(107)	5	29	.	60.9	125	(7850)
GROWERS	GSA 1310A	71	38	(97)	3	29	.	61.3	135	(8480)
WEATHER MASTER	66Y GT	73	39	(99)	3	32	.	61.2	133	(8350)
CENEX	402	72	39	(99)	3	27	.	60.3	118	(7410)
HORIZON	95G	72	38	(97)	3	28	.	59.7	113	(7090)
NC+	172	72	38	(97)	4	29	.	61.7	133	(8350)
P-A-G	4474	72	39	(99)	3	30	.	60.1	122	(7660)
COOP	SG39GBR	73	40	(102)	3	28	.	60.5	110	(6910)
MCCURDY	55YG	72	41	(104)	4	30	.	61.1	130	(8160)
PRAIRIE VALLEY	708	70	40	(102)	4	31	.	62.0	135	(8480)
PRAIRIE VALLEY	734	71	38	(97)	4	29	.	61.4	124	(7780)
MIGRO SEEDS	TEK 1094R	72	40	(102)	4	28	.	61.0	134	(8410)
WAC	692G	72	37	(94)	3	29	.	61.1	128	(8040)
NC+	174	74	39	(99)	2	33	.	60.9	128	(8040)
WARNER	W-839DR	73	39	(99)	3	29	.	60.5	117	(7350)
WEATHER MASTER	61Y GT	72	37	(94)	3	29	.	61.3	126	(7910)
ASGROW	MUSTANG	73	37	(94)	3	29	.	61.2	127	(7970)
CARGILL	70	72	37	(94)	4	29	.	61.1	123	(7720)
GOLDEN ACRES	T-E DINERO-R	71	38	(97)	1	28	.	59.5	127	(7970)
HORIZON	101G	72	39	(99)	3	28	.	61.3	129	(8100)
WILSON	621G	72	39	(99)	4	29	.	61.1	131	(8220)
ACCO	DG 1195	73	38	(97)	3	33	.	61.8	119	(7470)
MFA	GS-301A	71	38	(97)	4	27	.	61.1	126	(7910)
NORTHRUP KING	NK 2670	73	41	(104)	4	29	.	60.8	132	(8290)
ORO	ORO G XTRA	76	41	(104)	2	32	.	61.2	139	(8730)
WAC	D701G	76	42	(107)	4	32	.	61.0	129	(8100)
WILSON	623G	74	41	(104)	3	32	.	61.4	136	(8540)
COOP	SG42GBR	73	41	(104)	3	32	.	57.7	121	(7600)
NC+	271	73	38	(97)	4	31	.	61.4	127	(7970)
NORTHRUP KING	NK 2778	74	40	(102)	5	31	.	58.6	130	(8160)
GOLDEN ACRES	T-E DINERO	75	37	(94)	3	28	.	60.0	120	(7530)
DEKALB	DK-59	76	42	(107)	3	35	.	60.2	129	(8100)
GROWERS	GSA 1370A	75	43	(109)	5	35	.	59.5	128	(8040)
WARNER	W-851DR	78	41	(104)	3	36	.	60.5	119	(7470)
ACCO	GR (2) 1200	78	39	(99)	3	32	.	60.5	107	(6720)
DEKALB	DK-61	79	41	(104)	5	36	.	60.7	114	(7160)
ASGROW	COLT	80	45	(114)	4	40	.	60.4	126	(7910)
AVERAGE ALL ENTRIES		71.5	39.3	(100)	3.8	28.5		60.5	120.6	(7571)
DIF. REQ. FOR SIG. 5%		2.9	2.9	(7)	1.7	4.2		1.0	1.8	(741)
25%		1.7	1.7	(4)	1.0	2.4		0.6	7.0	(439)

TABLE 1c. ZONE A. FILLMORE COUNTY. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
CARGILL	30	58	41	(104)	5	.	.	56.4	75	(4710)
CONLEE	QUICKEE	60	36	(91)	5	.	.	55.0	57	(3580)
WARNER	W-655T	59	43	(109)	4	.	.	58.7	91	(5710)
GOLDEN ACRES	T-E Y-45	59	44	(112)	3	.	.	54.4	77	(4830)
MIGRO SEEDS	TEK 1055R	59	42	(107)	6	.	.	57.8	87	(5460)
P-A-G	4433	60	35	(89)	5	.	.	55.6	60	(3770)
CARGILL	50	58	42	(107)	3	.	.	55.0	79	(4960)
FONTANELLE	G5547	61	43	(109)	4	.	.	58.1	88	(5520)
FUNK'S	G499GBR	60	33	(84)	2	.	.	54.8	77	(4830)
KELTGEN	KG63T	61	43	(109)	3	.	.	58.1	89	(5590)
-----	RS 626	59	39	(99)	5	.	.	55.1	66	(4140)
WAC	652G	63	41	(104)	4	.	.	57.1	91	(5710)
WILSON	614G	60	44	(112)	4	.	.	56.5	96	(6030)
ASGROW	CORRAL	63	43	(109)	5	.	.	58.2	91	(5710)
PFIZER GENETICS	M550G	60	44	(112)	6	.	.	58.6	93	(5840)
WILSON	617G	63	44	(112)	4	.	.	56.4	82	(5150)
NC+	160	64	42	(107)	3	.	.	56.9	96	(6030)
MIGRO SEEDS	TEK 14R	64	43	(109)	2	.	.	58.1	82	(5150)
DEKALB	DK-57	61	42	(107)	3	.	.	58.0	92	(5780)
PRAIRIE VALLEY	530	65	40	(102)	4	.	.	57.2	78	(4900)
FONTANELLE	G5537	64	38	(97)	3	.	.	57.3	83	(5210)
PRAIRIE VALLEY	535	67	40	(102)	2	.	.	58.7	85	(5340)
ACCO	GR 1089	68	41	(104)	3	.	.	55.9	87	(5460)
ACCO	DR 1085	65	40	(102)	2	.	.	58.7	81	(5090)
CARGILL	60	67	39	(99)	4	.	.	55.3	77	(4830)
DEKALB	DK-42A	66	39	(99)	2	.	.	58.0	81	(5090)
KELTGEN	KG75T	69	39	(99)	2	.	.	56.2	83	(5210)
-----	MARTIN	62	33	(84)	2	.	.	54.4	38	(2390)
ACCO	GR 108	69	37	(94)	2	.	.	56.7	78	(4900)
P-A-G	5514	65	34	(86)	4	.	.	57.0	86	(5400)
MIGRO SEEDS	TEK 35R	66	40	(102)	5	.	.	56.0	85	(5340)
DEKALB	C-46+	63	43	(109)	3	.	.	58.7	77	(4830)
FUNK'S	G550	68	41	(104)	4	.	.	58.6	91	(5710)
MCCURDY	16YG	71	37	(94)	4	.	.	55.2	69	(4330)
DEKALB	DK-58	67	39	(99)	4	.	.	58.4	89	(5590)
MCCURDY	M51YG	68	40	(102)	4	.	.	57.0	83	(5210)
GOLDEN ACRES	T-E Y-101-R	67	38	(97)	2	.	.	54.3	86	(5400)
NFA	GS-10	66	39	(99)	3	.	.	54.9	70	(4390)
CENEX	400T	68	39	(99)	1	.	.	55.7	81	(5090)
FONTANELLE	G30	67	39	(99)	4	.	.	56.2	76	(4770)
HORIZON	104G	65	45	(114)	3	.	.	57.6	104	(6530)
KELTGEN	KG70T	70	39	(99)	2	.	.	55.7	78	(4900)
-----	TAM 680	70	43	(109)	2	.	.	58.1	84	(5270)
CONLEE	RAWHIDE	70	38	(97)	2	.	.	55.9	90	(5650)
MCCURDY	53YG	67	41	(104)	3	.	.	58.5	80	(5020)
MIGRO SEEDS	TEK 16R	65	39	(99)	4	.	.	56.3	77	(4830)
ASGROW	TOPAZ	67	40	(102)	3	.	.	60.0	91	(5710)
-----	RS 671	70	42	(107)	2	.	.	55.4	81	(5090)
WARNER	W-839A	71	38	(97)	3	.	.	57.7	86	(5400)
WILSON	619G	70	40	(102)	3	.	.	57.1	89	(5590)

CONTINUED

TABLE 1c. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
FUNK'S	G611	67	43	(109)	2	.	.	56.7	103	(6470)
PFIZER GENETICS	M568G	72	41	(104)	2	.	.	59.7	84	(5270)
CCCP	SG40GBR	69	40	(102)	3	.	.	56.4	73	(4580)
FUNK'S	G623GBR	72	42	(107)	3	.	.	56.8	84	(5270)
CRC	CRC T-G	71	43	(109)	4	.	.	57.1	81	(5090)
CONLEE	TCP HAND II	71	41	(104)	3	.	.	57.6	86	(5400)
GROWERS	GSA 1212	71	36	(91)	4	.	.	57.0	87	(5460)
GROWERS	GSA 1310A	71	40	(102)	5	.	.	57.0	82	(5150)
WEATHER MASTER	66Y GT	69	39	(99)	2	.	.	59.1	92	(5780)
CENEX	402	72	39	(99)	4	.	.	56.8	83	(5210)
HORIZON	95G	74	39	(99)	3	.	.	54.2	71	(4460)
NC+	172	72	40	(102)	2	.	.	58.3	93	(5840)
P-A-G	4474	73	41	(104)	3	.	.	57.0	81	(5090)
CCCP	SG39GBR	72	39	(99)	3	.	.	57.2	86	(5400)
MCCURDY	55YG	71	42	(107)	3	.	.	57.9	94	(5900)
PRAIRIE VALLEY	708	74	39	(99)	1	.	.	59.1	92	(5780)
PRAIRIE VALLEY	734	73	36	(91)	2	.	.	57.6	84	(5270)
MIGRO SEEDS	TEK 1094R	72	38	(97)	4	.	.	59.3	94	(5900)
WAC	692G	73	39	(99)	3	.	.	57.5	85	(5340)
NC+	174	71	39	(99)	3	.	.	58.0	117	(7350)
WARNER	W-839DR	72	40	(102)	3	.	.	57.6	90	(5650)
WEATHER MASTER	61Y GT	74	36	(91)	2	.	.	57.0	91	(5710)
ASGROW	MUSTANG	74	36	(91)	3	.	.	58.3	75	(4710)
CARGILL	70	74	39	(99)	4	.	.	58.2	81	(5090)
GOLDEN ACRES	T-E DINERO-R	75	39	(99)	2	.	.	55.0	76	(4770)
HORIZON	101G	75	35	(89)	4	.	.	58.3	80	(5020)
WILSON	621G	74	40	(102)	2	.	.	59.2	91	(5710)
ACCO	DG 1195	74	34	(86)	4	.	.	57.8	87	(5460)
MFA	GS-301A	75	39	(99)	2	.	.	59.3	82	(5150)
NORTHRUP KING	NK 2670	74	42	(107)	3	.	.	57.5	89	(5590)
CRC	CRC G XTRA	71	44	(112)	3	.	.	58.3	87	(5460)
WAC	D701G	72	40	(102)	3	.	.	57.0	87	(5460)
WILSON	623G	72	44	(112)	5	.	.	58.3	100	(6280)
CCCP	SG42GBR	74	39	(99)	3	.	.	54.3	85	(5340)
NC+	271	74	41	(104)	3	.	.	58.7	95	(5960)
NORTHRUP KING	NK 2778	74	40	(102)	3	.	.	57.7	89	(5590)
GOLDEN ACRES	T-E DINERO	75	38	(97)	5	.	.	57.7	86	(5400)
DEKALB	DK-59	74	40	(102)	4	.	.	56.8	80	(5020)
GROWERS	GSA 1370A	74	39	(99)	3	.	.	55.9	89	(5590)
WARNER	W-851DR	73	41	(104)	4	.	.	58.8	89	(5590)
ACCO	GR (2) 1200	76	37	(94)	3	.	.	57.9	88	(5520)
DEKALB	DK-61	76	41	(104)	3	.	.	56.6	72	(4520)
ASGROW	COLT	76	40	(102)	5	.	.	58.6	100	(6280)
AVERAGE ALL ENTRIES		68.5	39.5	(101)	3.2			57.2	84.2	(5286)
DIF. REQ. FOR SIG. 5%		5.3	5.3	(15)	N.S.			2.3	14.9	(935)
25%		3.2	2.6	(7)	1.6			1.4	8.8	(552)

TABLE 1d. ZONE A. CLAY COUNTY IRRIGATED. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
CARGILL	30	59	45	(114)	5	.	.	59.6	117	(7350)
CONLEE	QUICKEE	58	43	(109)	4	.	.	59.4	81	(5090)
WARNER	W-655T	61	47	(119)	4	.	.	60.9	139	(8730)
GOLDEN ACRES	T-E Y-45	60	46	(117)	3	.	.	58.7	103	(6470)
MIGRO SEEDS	TEK 1055R	61	50	(127)	6	.	.	60.1	126	(7910)
P-A-G	4433	61	43	(109)	3	.	.	58.5	87	(5460)
CARGILL	50	61	45	(114)	4	.	.	59.0	140	(8790)
FONTANELLE	G5547	62	50	(127)	6	.	.	60.9	160	(10040)
FUNK'S	G499GBR	60	40	(102)	4	.	.	58.4	107	(6720)
KELTGEN	KG63T	61	49	(124)	3	.	.	60.3	144	(9040)
-----	RS 626	61	46	(117)	3	.	.	59.0	102	(6400)
WAC	652C	61	51	(130)	6	.	.	60.5	143	(8980)
WILSON	614G	62	47	(119)	4	.	.	61.2	139	(8730)
ASGROW	CORRAL	60	50	(127)	7	.	.	60.8	111	(6970)
PFIZER GENETICS	M550G	61	50	(127)	6	.	.	60.9	154	(9670)
WILSON	617G	61	47	(119)	5	.	.	60.5	131	(8220)
NC+	160	61	47	(119)	4	.	.	60.2	134	(8410)
MIGRO SEEDS	TEK 14R	65	54	(137)	7	.	.	61.8	143	(8980)
DEKALB	DK-57	64	46	(117)	4	.	.	61.0	156	(9790)
PRAIRIE VALLEY	530	65	48	(122)	3	.	.	61.5	151	(9480)
FONTANELLE	G5537	66	45	(114)	3	.	.	61.5	166	(10420)
PRAIRIE VALLEY	535	65	48	(122)	6	.	.	60.8	145	(9100)
ACCO	GR 1089	63	47	(119)	3	.	.	57.4	114	(7160)
ACCO	DR 1085	65	41	(104)	4	.	.	60.5	120	(7530)
CARGILL	60	63	43	(109)	3	.	.	58.6	132	(8290)
DEKALB	DK-42A	63	42	(107)	3	.	.	60.0	141	(8850)
KELTGEN	KG75T	63	48	(122)	5	.	.	59.5	143	(8980)
-----	MARTIN	65	45	(114)	4	.	.	59.8	75	(4710)
ACCO	GR 108	63	45	(114)	4	.	.	58.9	135	(8480)
P-A-G	5514	67	45	(114)	5	.	.	58.5	126	(7910)
MIGRO SEEDS	TEK 35R	66	45	(114)	5	.	.	58.6	140	(8790)
DEKALB	C-46+	69	46	(117)	4	.	.	60.9	122	(7660)
FUNK'S	G550	64	49	(124)	5	.	.	60.4	137	(8600)
MCCURDY	16YG	62	45	(114)	4	.	.	59.4	126	(7910)
DEKALB	DK-58	67	47	(119)	2	.	.	61.8	156	(9790)
MCCURDY	M51YG	65	42	(107)	3	.	.	57.8	122	(7660)
GOLDEN ACRES	T-E Y-101-R	67	45	(114)	3	.	.	57.6	170	(10670)
MFA	GS-10	68	46	(117)	4	.	.	58.6	127	(7970)
CENEX	400T	67	42	(107)	4	.	.	58.2	143	(8980)
FONTANELLE	G30	68	44	(112)	2	.	.	59.6	147	(9230)
HORIZON	104G	69	50	(127)	4	.	.	61.0	158	(9920)
KELTGEN	KG70T	67	45	(114)	3	.	.	58.2	127	(7970)
-----	TAM 680	66	51	(130)	4	.	.	61.9	148	(9290)
CONLEE	RAWHIDE	66	42	(107)	2	.	.	58.5	143	(8980)
MCCURDY	53YG	69	44	(112)	3	.	.	61.4	155	(9730)
MIGRO SEEDS	TEK 16R	71	44	(112)	4	.	.	58.9	123	(7720)
ASGROW	TOPAZ	71	48	(122)	3	.	.	62.3	190	(11930)
-----	RS 671	68	47	(119)	4	.	.	59.7	149	(9350)
WARNER	W-839A	68	44	(112)	4	.	.	60.3	147	(9230)
WILSON	619G	68	46	(117)	4	.	.	58.4	122	(7660)

CONTINUED

TABLE 1d. CONCLUDED

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
FUNK'S	G611	71	46	(117)	3	.	.	59.4	142	(8910)
PFIZER GENETICS	M568G	70	47	(119)	4	.	.	60.5	159	(9980)
CCCP	SG40GBR	69	46	(117)	4	.	.	57.9	115	(7220)
FUNK'S	G623GBR	68	46	(117)	4	.	.	58.2	138	(8660)
CRC	CRC T-G	71	53	(135)	4	.	.	60.2	142	(8910)
CONLEE	TCP HAND II	70	50	(127)	4	.	.	58.9	147	(9230)
GROWERS	GSA 1212	70	48	(122)	4	.	.	60.0	170	(10670)
GROWERS	GSA 1310A	71	46	(117)	3	.	.	60.6	168	(10550)
WEATHER MASTER	66Y GT	71	49	(124)	4	.	.	60.9	187	(11740)
CENEX	402	70	49	(124)	4	.	.	57.8	118	(7410)
HORIZON	95G	68	44	(112)	5	.	.	58.5	136	(8540)
NC+	172	70	46	(117)	4	.	.	60.9	148	(9290)
P-A-G	4474	69	44	(112)	2	.	.	59.5	141	(8850)
CCCP	SG39GBR	70	47	(119)	3	.	.	59.4	171	(10740)
MCCURDY	55YG	72	48	(122)	3	.	.	61.1	156	(9790)
PRAIRIE VALLEY	708	71	49	(124)	5	.	.	61.2	162	(10170)
PRAIRIE VALLEY	734	71	46	(117)	4	.	.	60.7	162	(10170)
MIGRO SEEDS	TEK 1094R	71	43	(109)	3	.	.	60.7	167	(10480)
WAC	692G	70	45	(114)	4	.	.	60.5	173	(10860)
NC+	174	71	49	(124)	3	.	.	60.8	193	(12120)
WARNER	W-839DR	71	48	(122)	4	.	.	58.7	144	(9040)
WEATHER MASTER	61Y GT	70	48	(122)	3	.	.	60.6	155	(9730)
ASGROW	MUSTANG	70	45	(114)	3	.	.	60.4	148	(9290)
CARGILL	70	71	47	(119)	4	.	.	59.9	162	(10170)
GOLDEN ACRES	T-E DINERO-R	71	46	(117)	3	.	.	59.0	171	(10740)
HORIZON	101G	70	45	(114)	4	.	.	61.0	156	(9790)
WILSON	621G	71	45	(114)	3	.	.	60.2	179	(11240)
ACCO	DC 1195	71	46	(117)	4	.	.	62.0	153	(9610)
MFA	GS-301A	72	46	(117)	5	.	.	60.5	158	(9920)
NORTHRUP KING	NK 2670	71	48	(122)	3	.	.	61.1	177	(11110)
CRC	CRC G XTRA	71	49	(124)	3	.	.	61.4	167	(10480)
WAC	D701G	70	48	(122)	4	.	.	60.5	152	(9540)
WILSON	623G	72	48	(122)	3	.	.	61.0	148	(9290)
CCCP	SG42GBR	72	47	(119)	4	.	.	55.6	156	(9790)
NC+	271	72	50	(127)	5	.	.	61.3	139	(8730)
NORTHRUP KING	NK 2778	71	49	(124)	4	.	.	60.9	156	(9790)
GOLDEN ACRES	T-E DINERO	70	45	(114)	4	.	.	58.8	168	(10550)
DEKALB	DK-59	71	51	(130)	3	.	.	58.5	158	(9920)
GROWERS	GSA 1370A	72	47	(119)	3	.	.	59.6	137	(8600)
WARNER	W-851DR	72	50	(127)	3	.	.	60.5	172	(10800)
ACCO	GR (2) 120C	74	43	(109)	3	.	.	60.1	125	(7850)
DEKALB	DK-61	75	51	(130)	4	.	.	60.2	143	(8980)
ASGROW	COLT	76	51	(130)	3	.	.	61.1	168	(10550)
AVERAGE ALL ENTRIES		67.4	46.7	(119)	3.8			59.9	144.1	(9047)
DIF. REQ. FOR SIG. 5%		2.8	4.5	(11)	2.2			10.9	30.4	(1909)
25%		1.7	2.6	(7)	1.3			0.5	17.9	(1124)

TABLE 1e. ZONE A. 1979-1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
		TWO-YEAR AVERAGE								
CARGILL	30	66	44	(112)	5	24	4	58.8	110	(6910)
WARNER	W-655T	66	46	(117)	5	22	2	60.1	131	(8220)
FUNK'S	G499GBR	67	36	(91)	3	24	1	57.0	110	(6910)
GOLDEN ACRES	T-E Y-45	67	45	(114)	5	24	5	57.3	116	(7280)
KELTGEN	KG63T	67	47	(119)	5	26	2	60.0	133	(8350)
P-A-G	4433	67	41	(104)	5	24	2	58.0	101	(6340)
-----	RS 626	67	43	(109)	4	22	3	57.6	96	(6030)
MIGRO SEEDS	TEK 1055R	67	47	(119)	6	24	5	59.9	132	(8290)
FONTANELLE	G5547	68	47	(119)	6	23	2	60.1	136	(8540)
PRAIRIE VALLEY	530	68	44	(112)	4	22	2	60.0	128	(8040)
PFIZER GENETICS	M550G	68	47	(119)	6	24	3	60.1	137	(8600)
ASGROW	CORRAL	69	46	(117)	6	23	3	60.2	127	(7970)
PRAIRIE VALLEY	535	69	45	(114)	5	23	5	60.2	131	(8220)
ACCO	GR 1089	70	43	(109)	4	25	1	57.4	118	(7410)
ACCO	GR 108	70	42	(107)	4	25	2	58.0	126	(7910)
ACCO	DR 1085	70	41	(104)	4	24	3	60.3	118	(7410)
CARGILL	60	70	41	(104)	4	27	3	57.7	120	(7530)
DEKALB	DK-57	70	44	(112)	4	28	1	59.8	132	(8290)
KELTGEN	KG75T	70	44	(112)	4	26	3	58.3	128	(8040)
MCCURDY	M51YG	70	41	(104)	4	27	2	57.8	127	(7970)
MIGRO SEEDS	TEK 14R	70	47	(119)	5	25	2	60.6	130	(8160)
FONTANELLE	G30	71	42	(107)	4	29	2	57.8	128	(8040)
GOLDEN ACRES	T-E Y-101-R	71	41	(104)	3	26	4	57.0	138	(8660)
MCCURDY	16YG	71	41	(104)	4	29	3	57.7	121	(7600)
-----	MARTIN	71	40	(102)	5	19	4	58.7	72	(4520)
P-A-G	5514	71	42	(107)	4	27	3	57.9	124	(7780)
MIGRO SEEDS	TEK 35R	71	42	(107)	4	26	3	58.0	124	(7780)
CCOP	SG40GBR	72	42	(107)	4	28	3	57.6	124	(7780)
DEKALB	C-46+	72	47	(119)	5	26	4	59.9	119	(7470)
FUNK'S	G623GBR	72	42	(107)	4	28	2	57.6	130	(8160)
HORIZON	95G	72	41	(104)	4	27	3	57.3	123	(7720)
KELTGEN	KG70T	72	41	(104)	3	28	2	57.4	118	(7410)
CONLEE	RAWHIDE	72	41	(104)	4	29	3	57.5	126	(7910)
-----	RS 671	72	45	(114)	4	25	4	58.0	122	(7660)
ORO	ORO T-G	72	48	(122)	5	26	4	58.5	129	(8100)
MIGRO SEEDS	TEK 16R	72	42	(107)	3	28	2	57.5	115	(7220)
-----	TAM 680	72	49	(124)	4	26	3	60.4	126	(7910)
WILSON	619G	72	41	(104)	4	28	4	57.6	122	(7660)
ASGROW	TOPAZ	73	43	(109)	4	28	3	61.1	143	(8980)
FUNK'S	G611	73	46	(117)	4	27	3	58.8	137	(8600)
GROWERS	GSA 1212	73	45	(114)	5	28	3	59.4	138	(8660)
GROWERS	GSA 1310A	73	42	(107)	4	28	3	59.6	134	(8410)
HORIZON	104G	73	47	(119)	5	32	2	60.1	141	(8850)
P-A-G	4474	73	42	(107)	3	27	2	58.2	131	(8220)
ASGROW	MUSTANG	74	41	(104)	4	29	2	59.9	131	(8220)
CARGILL	70	74	41	(104)	4	29	4	59.5	133	(8350)
CONLEE	TOP HAND II	74	44	(112)	4	31	6	58.6	131	(8220)
HORIZON	101G	74	41	(104)	4	27	2	60.1	134	(8410)
MFA	GS-301A	74	42	(107)	4	26	2	59.8	130	(8160)
NC+	172	74	42	(107)	3	28	2	59.9	133	(8350)
NORTHRUP KING	NK 2670	74	47	(119)	4	26	3	59.6	141	(8850)
PFIZER GENETICS	M568G	74	42	(107)	3	27	3	60.1	132	(8290)
PRAIRIE VALLEY	708	74	45	(114)	4	29	2	60.6	142	(8910)
PRAIRIE VALLEY	734	74	41	(104)	4	27	3	59.7	134	(8410)
GOLDEN ACRES	T-E DINERO	75	42	(107)	4	26	3	58.6	137	(8600)
NORTHRUP KING	NK 2778	75	45	(114)	5	30	4	59.5	138	(8660)
ORO	ORO G XTRA	75	47	(119)	3	30	3	59.6	145	(9100)
ACCO	GR (2) 1200	76	40	(102)	3	28	2	59.0	120	(7530)
DEKALB	DK-61	77	46	(117)	4	32	2	59.4	129	(8100)
ASGROW	COLT	79	45	(114)	4	36	2	58.3	141	(8850)
AVERAGE ALL ENTRIES		71.4	43.4	(110)	4.2	26.6	2.8	58.9	127.1	(7979)
DIF. REQ. FOR SIG.	5%	3.3	2.6	(7)	1.0	4.0	2.4	1.1	10.3	(647)
	25%	1.9	1.5	(4)	0.6	2.3	1.4	0.6	6.0	(377)

No lodging data - 1980.

TABLE 1f. ZONE A. 1976-80.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
				THREE-YEAR AVERAGE						
FUNK'S	G499GBR	69	37	(94)	3	24	1	55.5	110	(6910)
GOLDEN ACRES	T-E Y-45	69	47	(119)	5	24	3	56.4	116	(7280)
-----	RS 626	69	45	(114)	4	22	2	56.8	100	(6280)
PFIZER GENETICS	M550G	69	48	(122)	6	24	2	59.4	137	(8600)
ACCO	GR 1089	70	45	(114)	5	25	1	56.2	118	(7410)
ACCO	GR 108	71	43	(109)	4	25	2	57.2	126	(7910)
MIGRO SEEDS	TEK 35R	71	43	(109)	4	26	1	56.8	124	(7780)
FONTANELLE	G30	72	42	(107)	4	29	1	56.8	127	(7970)
GOLDEN ACRES	T-E Y-101-R	72	42	(107)	4	26	2	55.5	134	(8410)
CONLEE	RAWHIDE	72	42	(107)	4	29	2	57.0	126	(7910)
MCCURDY	16YG	72	42	(107)	4	29	2	56.3	123	(7720)
MCCURDY	M51YG	72	42	(107)	4	27	2	56.9	127	(7970)
-----	MARTIN	72	42	(107)	5	19	2	57.7	77	(4830)
P-A-G	5514	72	42	(107)	4	27	2	56.9	124	(7780)
COOP	SG40GBR	73	42	(107)	4	28	1	56.3	127	(7970)
DEKALB	C-46+	73	48	(122)	5	26	2	58.9	118	(7410)
FUNK'S	G623GBR	73	43	(109)	4	28	1	56.8	127	(7970)
HORIZON	95G	73	43	(109)	4	27	2	56.5	123	(7720)
-----	RS 671	73	46	(117)	4	25	2	56.6	121	(7600)
ORO	ORO T-G	73	49	(124)	5	26	2	57.6	127	(7970)
MIGRO SEEDS	TEK 16R	73	43	(109)	4	28	1	56.5	118	(7410)
-----	TAM 680	73	51	(130)	4	26	2	59.7	126	(7910)
WILSON	619G	73	42	(107)	4	28	2	56.8	121	(7600)
ASGROW	TOPAZ	74	44	(112)	4	28	2	59.8	141	(8850)
ASGROW	MUSTANG	74	42	(107)	4	29	1	59.0	131	(8220)
HORIZON	101G	74	42	(107)	4	27	1	59.2	134	(8410)
MFA	GS-301A	74	43	(109)	4	26	1	57.4	129	(8100)
NC+	172	74	43	(109)	4	28	1	58.8	131	(8220)
P-A-G	4474	74	43	(109)	3	27	1	57.0	130	(8160)
CONLEE	TOP HAND II	75	46	(117)	4	31	3	57.8	132	(8290)
GOLDEN ACRES	T-E DINERO	75	44	(112)	4	26	2	57.2	136	(8540)
NORTHRUP KING	NK 2778	75	46	(117)	5	30	2	58.6	137	(8600)
PRAIRIE VALLEY	708	75	47	(119)	4	29	1	59.2	139	(8730)
AVERAGE ALL ENTRIES		72.5	43.9	(112)	4.2	26.6	1.7	57.4	124.8	(7835)
DIF. REQ. FOR SIG. 5%		2.3	1.8	(5)	0.7	3.7	N.S.	1.1	8.1	(509)
25%		1.3	1.0	(3)	0.4	2.1	N.S.	0.6	4.7	(295)
				FOUR-YEAR AVERAGE						
GOLDEN ACRES	T-E Y-45	67	45	(114)	4	23	7	55.4	104	(6530)
FUNK'S	G499GBR	68	36	(91)	2	24	1	54.4	97	(6090)
-----	RS 626	68	43	(109)	4	24	4	55.5	90	(5650)
ACCO	GR 1089	69	43	(109)	4	24	2	55.6	109	(6840)
CONLEE	RAWHIDE	70	40	(102)	4	26	2	55.2	108	(6780)
MCCURDY	M51YG	70	41	(104)	3	25	2	55.5	111	(6970)
MIGRO SEEDS	TEK 35R	70	41	(104)	4	27	4	55.2	109	(6840)
COOP	SG40GBR	71	41	(104)	4	27	2	54.9	110	(6910)
FONTANELLE	G30	71	41	(104)	4	28	3	55.3	112	(7030)
GOLDEN ACRES	T-E Y-101-R	71	40	(102)	4	26	2	54.1	116	(7280)
MCCURDY	16YG	71	41	(104)	4	29	2	55.0	110	(6910)
-----	MARTIN	71	40	(102)	4	20	7	56.9	69	(4330)
P-A-G	5514	71	41	(104)	4	25	2	55.5	112	(7030)
ORO	ORO T-G	71	47	(119)	5	25	4	55.8	114	(7160)
-----	TAM 680	71	48	(122)	4	26	5	58.6	114	(7160)
WILSON	619G	71	41	(104)	3	27	3	55.2	107	(6720)
ASGROW	TOPAZ	72	43	(109)	3	26	2	58.7	122	(7660)
FUNK'S	G623GBR	72	41	(104)	3	27	2	55.1	110	(6910)
-----	RS 671	72	43	(109)	4	24	5	55.4	106	(6650)
MIGRO SEEDS	TEK 16R	72	42	(107)	3	28	3	55.0	108	(6780)
CONLEE	TOP HAND II	73	43	(109)	3	30	4	56.4	116	(7280)
NORTHRUP KING	NK 2778	73	45	(114)	5	29	3	57.0	123	(7720)
AVERAGE ALL ENTRIES		70.7	42.1	(107)	3.7	25.9	3.2	55.7	108.0	(6780)
DIF. REQ. FOR SIG. 5%		1.6	1.7	(4)	0.7	3.7	N.S.	1.1	10.7	(672)
25%		1.0	1.0	(3)	0.4	2.1	N.S.	0.6	6.2	(389)
				FIVE-YEAR AVERAGE						
-----	RS 626	68	43	(109)	4	24	4	55.4	92	(5780)
CONLEE	RAWHIDE	70	41	(104)	4	26	2	55.0	110	(6910)
-----	MARTIN	70	40	(102)	5	20	7	56.6	69	(4330)
GOLDEN ACRES	T-E Y-101-R	71	41	(104)	4	27	2	54.2	118	(7410)
P-A-G	5514	71	41	(104)	4	26	2	55.2	114	(7160)
MIGRO SEEDS	TEK 35R	71	41	(104)	4	28	4	54.6	108	(6780)
-----	RS 671	72	43	(109)	4	26	5	55.1	106	(6650)
-----	TAM 680	72	48	(122)	4	26	5	58.1	111	(6970)
MIGRO SEEDS	TEK 16R	73	42	(107)	3	30	3	55.1	109	(6840)
NORTHRUP KING	NK 2778	74	45	(114)	5	30	3	57.1	124	(7780)
AVERAGE ALL ENTRIES		71.2	42.5	(108)	4.1	26.3	3.7	55.6	106.1	(6661)
DIF. REQ. FOR SIG. 5%		1.7	1.6	(4)	0.8	3.5	N.S.	1.1	10.2	(640)
25%		1.0	0.9	(2)	0.5	2.0	N.S.	0.6	5.9	(370)

No lodging data - 1976, 1978.
No early grain moisture data - 1978.

TABLE 2a. ZONE B SUMMARY. LINCOLN, DUNDY AND CHASE (IRR) COUNTIES. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
				AVERAGE 3 LOCATIONS						
-----	NB 505	68	41	(104)	.	.	.	51.4	64	(4020)
NORTHRUP KING	NK 2018	68	41	(104)	.	.	.	51.8	60	(3770)
CONLEE	QUICKEE	69	38	(97)	.	.	.	52.5	60	(3770)
PRAIRIE VALLEY	515	69	36	(91)	.	.	.	52.8	66	(4140)
MIGRO SEEDS	TEK 1011R	69	39	(99)	.	.	.	56.7	71	(4460)
ACCO	DR 1035	70	38	(97)	.	.	.	55.0	78	(4900)
CARGILL	30	70	40	(102)	.	.	.	55.8	78	(4900)
DEKALB	B-38+	70	42	(107)	.	.	.	55.1	66	(4140)
NORTHRUP KING	NK 2030	70	37	(94)	.	.	.	53.8	78	(4900)
PRAIRIE VALLEY	535	70	41	(104)	.	.	.	55.6	95	(5960)
-----	RS 626	70	40	(102)	.	.	.	52.5	76	(4770)
ASGROW	CORRAL	71	44	(112)	.	.	.	55.5	95	(5960)
CENEX	310T	71	41	(104)	.	.	.	58.7	84	(5270)
GOLDEN ACRES	T-E Y-45	71	44	(112)	.	.	.	53.7	83	(5210)
NC+	161	71	43	(109)	.	.	.	53.4	68	(4270)
NC+	160	71	44	(112)	.	.	.	58.1	88	(5520)
P-A-G	4433	71	40	(102)	.	.	.	53.0	75	(4710)
MIGRO SEEDS	TEK 1055R	71	43	(109)	.	.	.	58.9	99	(6220)
WAC	652G	71	44	(112)	.	.	.	54.9	85	(5340)
WARNER	W-655T	71	42	(107)	.	.	.	55.9	88	(5520)
FONTANELLE	G5547	72	42	(107)	.	.	.	57.3	89	(5590)
FUNK'S	G499GBR	72	35	(89)	.	.	.	55.7	65	(4080)
KELTGEN	KG63T	72	44	(112)	.	.	.	55.9	83	(5210)
MCCURDY	89YG	72	42	(107)	.	.	.	55.4	82	(5150)
WARNER	W-564T	72	40	(102)	.	.	.	54.8	86	(5400)
ACCO	GR 1028	73	37	(94)	.	.	.	53.5	81	(5090)
CARGILL	50	73	40	(102)	.	.	.	54.4	77	(4830)
CENEX	330T	73	41	(104)	.	.	.	54.4	73	(4580)
DEKALB	DK-42A	73	40	(102)	.	.	.	56.9	92	(5780)
GROWERS	GSA 1210B	73	41	(104)	.	.	.	56.6	81	(5090)
HORIZON	45G	73	41	(104)	.	.	.	53.6	80	(5020)
NORTHRUP KING	NK 2222	73	39	(99)	.	.	.	56.3	91	(5710)
PFIZER GENETICS	M550G	73	44	(112)	.	.	.	55.5	101	(6340)
ACCO	GR 1020	74	39	(99)	.	.	.	55.7	82	(5150)
DEKALB	B-39Y+	74	39	(99)	.	.	.	54.0	86	(5400)
DEKALB	DK-57	74	41	(104)	.	.	.	55.4	103	(6470)
FONTANELLE	G5537	74	41	(104)	.	.	.	56.8	91	(5710)
FUNK'S	G550	74	40	(102)	.	.	.	54.9	87	(5460)
PRAIRIE VALLEY	530	74	42	(107)	.	.	.	57.4	76	(4770)
DEKALB	DK-42Y	75	40	(102)	.	.	.	57.0	103	(6470)
FONTANELLE	G3X80	75	38	(97)	.	.	.	57.7	83	(5210)
MIGRO SEEDS	TEK 14R	75	46	(117)	.	.	.	58.4	91	(5710)
ACCO	GR 1089	76	40	(102)	.	.	.	53.8	90	(5650)
CARGILL	60	76	39	(99)	.	.	.	56.8	88	(5520)
CENEX	400T	76	40	(102)	.	.	.	54.5	90	(5650)

CONTINUED

TABLE 2a. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
DEKALB	DK-58	76	41	(104)	.	.	.	56.6	93	(5840)
MCCURDY	M51YG	76	39	(99)	.	.	.	55.0	86	(5400)
P-A-G	5514	76	38	(97)	.	.	.	54.7	93	(5840)
ORO	ORO G	76	39	(99)	.	.	.	55.3	77	(4830)
GOLDEN ACRES	T-E Y-101-R	77	39	(99)	.	.	.	55.8	84	(5270)
KELTGEN	KG70T	77	40	(102)	.	.	.	52.7	92	(5780)
CONLEE	RAWHIDE	77	39	(99)	.	.	.	55.0	98	(6150)
-----	MARTIN	77	39	(99)	.	.	.	55.4	58	(3640)
MIGRO SEEDS	TEK 16R	77	41	(104)	.	.	.	53.2	88	(5520)
ASGROW	TOPAZ	78	39	(99)	.	.	.	56.0	98	(6150)
ASGROW	MUSTANG	78	38	(97)	.	.	.	56.2	85	(5340)
COOP	SG40GBR	78	39	(99)	.	.	.	55.2	79	(4960)
GOLDEN ACRES	T-E DINERO	78	40	(102)	.	.	.	55.1	86	(5400)
GOLDEN ACRES	T-E DINERO-R	78	41	(104)	.	.	.	54.8	95	(5960)
GROWERS	GSA 1370A	78	42	(107)	.	.	.	52.4	97	(6090)
HORIZON	95G	78	39	(99)	.	.	.	55.1	93	(5840)
MCCURDY	55YG	78	41	(104)	.	.	.	55.7	93	(5840)
P-A-G	4474	78	38	(97)	.	.	.	55.7	96	(6030)
PFIZER GENETICS	M568G	78	39	(99)	.	.	.	55.1	94	(5900)
WAC	692G	78	39	(99)	.	.	.	56.1	102	(6400)
WEATHER MASTER	66Y GT	78	41	(104)	.	.	.	54.8	89	(5590)
CARGILL	70	79	40	(102)	.	.	.	54.8	83	(5210)
COOP	SG39GBR	79	39	(99)	.	.	.	54.6	92	(5780)
COOP	SG42GBR	79	42	(107)	.	.	.	52.5	90	(5650)
GROWERS	GSA 1212	79	41	(104)	.	.	.	54.6	109	(6840)
GROWERS	GSA 1310A	79	38	(97)	.	.	.	54.9	100	(6280)
HORIZON	101G	79	37	(94)	.	.	.	54.2	85	(5340)
-----	RS 671	79	39	(99)	.	.	.	54.2	91	(5710)
WAC	D701G	79	43	(109)	.	.	.	53.4	96	(6030)
WEATHER MASTER	61Y GT	79	39	(99)	.	.	.	55.5	82	(5150)
AVERAGE ALL ENTRIES		74.4	40.2	(102)				55.1	85.5	(5368)
DIF REQ. FOR SIG. 5%		1.9	3.3	(8)				3.9	18.9	(1187)
25%		1.1	1.9	(5)				2.3	11.1	(697)

Planting to bloom days - Lincoln County only.
Plant height - Lincoln and Chase Counties.

TABLE 2b. ZONE B. LINCOLN COUNTY. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
-----	NB 505	68	37	(94)	.	.	.	59.5	59	(3700)
NORTHRUP KING	NK 2018	68	35	(89)	.	.	.	60.5	53	(3330)
CONLEE	QUICKEE	69	34	(86)	.	.	.	60.5	45	(2830)
PRAIRIE VALLEY	515	69	32	(81)	.	.	.	61.0	54	(3390)
MIGRO SEEDS	TEK 1011R	69	33	(84)	.	.	.	60.8	59	(3700)
ACCO	OR 1035	70	33	(84)	.	.	.	60.0	49	(3080)
CARGILL	30	70	34	(86)	.	.	.	60.0	57	(3580)
DEKALB	B-38+	70	35	(89)	.	.	.	60.5	58	(3640)
NORTHRUP KING	NK 2030	70	32	(81)	.	.	.	62.2	63	(3960)
PRAIRIE VALLEY	535	70	35	(89)	.	.	.	61.5	66	(4140)
-----	RS 626	70	35	(89)	.	.	.	60.0	73	(4580)
ASGROW	CORRAL	71	34	(86)	.	.	.	60.0	69	(4330)
CENEX	310T	71	34	(86)	.	.	.	61.3	67	(4210)
GOLDEN ACRES	T-E Y-45	71	36	(91)	.	.	.	60.0	50	(3140)
NC+	161	71	38	(97)	.	.	.	60.5	60	(3770)
NC+	160	71	36	(91)	.	.	.	61.5	66	(4140)
P-A-G	4433	71	33	(84)	.	.	.	59.5	57	(3580)
MIGRO SEEDS	TEK 1055R	71	36	(91)	.	.	.	61.8	78	(4900)
WAC	652G	71	36	(91)	.	.	.	61.0	72	(4520)
WARNER	W-655T	71	36	(91)	.	.	.	61.5	76	(4770)
FONTANELLE	G5547	72	35	(89)	.	.	.	61.0	66	(4140)
FUNK'S	G499GBR	72	30	(76)	.	.	.	60.8	53	(3330)
KELTGEN	KG63T	72	36	(91)	.	.	.	61.5	76	(4770)
MCCURDY	89YG	72	36	(91)	.	.	.	61.0	60	(3770)
WARNER	W-564T	72	33	(84)	.	.	.	60.0	86	(5400)
ACCO	GR 1028	73	33	(84)	.	.	.	59.5	66	(4140)
CARGILL	50	73	33	(84)	.	.	.	59.0	55	(3450)
CENEX	330T	73	34	(86)	.	.	.	61.3	59	(3700)
DEKALB	DK-42A	73	33	(84)	.	.	.	60.8	70	(4390)
GROWERS	GSA 1210B	73	34	(86)	.	.	.	61.0	67	(4210)
HORIZON	45G	73	34	(86)	.	.	.	61.0	79	(4960)
NORTHRUP KING	NK 2222	73	34	(86)	.	.	.	61.5	72	(4520)
PFIZER GENETICS	M550G	73	37	(94)	.	.	.	61.5	85	(5340)
ACCO	GR 1020	74	33	(84)	.	.	.	61.0	70	(4390)
DEKALB	B-39Y+	74	33	(84)	.	.	.	61.0	70	(4390)
DEKALB	DK-57	74	33	(84)	.	.	.	60.0	73	(4580)
FONTANELLE	G5537	74	34	(86)	.	.	.	61.5	81	(5090)
FUNK'S	G550	74	32	(81)	.	.	.	61.8	72	(4520)
PRAIRIE VALLEY	530	74	35	(89)	.	.	.	61.0	82	(5150)
DEKALB	DK-42Y	75	33	(84)	.	.	.	61.0	71	(4460)
FONTANELLE	G3X80	75	34	(86)	.	.	.	61.5	52	(3260)
MIGRO SEEDS	TEK 14R	75	38	(97)	.	.	.	61.3	74	(4650)
ACCO	GR 1089	76	34	(86)	.	.	.	59.5	67	(4210)
CARGILL	60	76	34	(86)	.	.	.	60.2	58	(3640)
CENEX	400T	76	33	(84)	.	.	.	59.3	72	(4520)

CONTINUED

TABLE 2b. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
DEKALB	DK-58	76	34	(86)	.	.	.	60.0	82	(5150)
MCCURDY	M51YG	76	33	(84)	.	.	.	61.0	68	(4270)
P-A-G	5514	76	32	(81)	.	.	.	59.5	65	(4080)
CRC	CRC G	76	33	(84)	.	.	.	59.5	56	(3520)
GOLDEN ACRES	T-E Y-101-R	77	32	(81)	.	.	.	59.0	51	(3200)
KELTGEN	KG70T	77	34	(86)	.	.	.	56.5	62	(3890)
CONLEE	RAWHIDE	77	33	(84)	.	.	.	58.0	68	(4270)
-----	MARTIN	77	30	(76)	.	.	.	60.5	42	(2640)
MIGRO SEEDS	TEK 16R	77	33	(84)	.	.	.	57.3	70	(4390)
ASGROW	TOPAZ	78	32	(81)	.	.	.	60.8	60	(3770)
ASGROW	MUSTANG	78	31	(79)	.	.	.	59.5	61	(3830)
COOP	SG40GBR	78	33	(84)	.	.	.	58.5	55	(3450)
GOLDEN ACRES	T-E DINERO	78	33	(84)	.	.	.	59.0	68	(4270)
GOLDEN ACRES	T-E DINERO-R	78	35	(89)	.	.	.	58.5	81	(5090)
GROWERS	GSA 1370A	78	34	(86)	.	.	.	54.0	64	(4020)
HORIZON	95C	78	32	(81)	.	.	.	58.5	65	(4080)
MCCURDY	55YG	78	34	(86)	.	.	.	59.0	64	(4020)
P-A-G	4474	78	33	(84)	.	.	.	59.5	62	(3890)
PFIZER GENETICS	M568G	78	33	(84)	.	.	.	58.3	75	(4710)
WAC	692G	78	32	(81)	.	.	.	58.5	91	(5710)
WEATHER MASTER	66Y GT	78	33	(84)	.	.	.	59.5	71	(4460)
CARGILL	70	79	33	(84)	.	.	.	57.8	64	(4020)
COOP	SG39GBR	79	32	(81)	.	.	.	57.8	47	(2950)
COOP	SG42GBR	79	35	(89)	.	.	.	54.0	60	(3770)
GROWERS	GSA 1212	79	34	(86)	.	.	.	55.0	74	(4650)
GROWERS	GSA 1310A	79	32	(81)	.	.	.	59.5	88	(5520)
HORIZON	101G	79	32	(81)	.	.	.	56.5	52	(3260)
-----	RS 671	79	33	(84)	.	.	.	56.8	56	(3520)
WAC	D701G	79	35	(89)	.	.	.	57.5	77	(4830)
WEATHER MASTER	61Y GT	79	33	(84)	.	.	.	57.0	55	(3450)
AVERAGE ALL ENTRIES		74.4	33.7	(86)				59.7	65.6	(4118)
DIF. REQ. FOR SIG. 5%		1.9	2.5	(6)				----	20.5	(1287)
25%		1.1	1.5	4)				----	12.1	(760)

TABLE 2c. ZONE B. DUNDY COUNTY. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
-----	NB 505	.	.	(.)	.	.	.	45.1	52	(3260)
NORTHRUP KING	NK 2018	.	.	(.)	.	.	.	43.0	62	(3890)
CONLEE	QUICKEE	.	.	(.)	.	.	.	41.5	31	(1950)
PRAIRIE VALLEY	515	.	.	(.)	.	.	.	44.0	52	(3260)
MIGRO SEEDS	TEK 1011R	.	.	(.)	.	.	.	54.5	47	(2950)
ACCO	OR 1035	.	.	(.)	.	.	.	46.8	81	(5090)
CARGILL	30	.	.	(.)	.	.	.	53.3	62	(3890)
DEKALB	B-38+	.	.	(.)	.	.	.	48.1	44	(2760)
NORTHRUP KING	NK 2030	.	.	(.)	.	.	.	50.8	64	(4020)
PRAIRIE VALLEY	535	.	.	(.)	.	.	.	53.5	77	(4830)
-----	RS 626	.	.	(.)	.	.	.	45.9	50	(3140)
ASGROW	CORRAL	.	.	(.)	.	.	.	54.4	82	(5150)
CENEX	310T	.	.	(.)	.	.	.	56.7	71	(4460)
GOLDEN ACRES	T-E Y-45	.	.	(.)	.	.	.	47.0	87	(5460)
NC+	161	.	.	(.)	.	.	.	47.9	49	(3080)
NC+	160	.	.	(.)	.	.	.	56.1	70	(4390)
P-A-G	4433	.	.	(.)	.	.	.	48.8	70	(4390)
MIGRO SEEDS	TEK 1055R	.	.	(.)	.	.	.	58.6	105	(6590)
WAC	652G	.	.	(.)	.	.	.	50.4	52	(3260)
WARNER	W-655T	.	.	(.)	.	.	.	50.6	60	(3770)
FONTANELLE	G5547	.	.	(.)	.	.	.	55.3	75	(4710)
FUNK'S	G499GBR	.	.	(.)	.	.	.	54.6	47	(2950)
KELTGEN	KG63T	.	.	(.)	.	.	.	48.8	60	(3770)
MCCURDY	89YG	.	.	(.)	.	.	.	51.8	76	(4770)
WARNER	W-564T	.	.	(.)	.	.	.	49.7	55	(3450)
ACCO	OR 1028	.	.	(.)	.	.	.	47.7	59	(3700)
CARGILL	50	.	.	(.)	.	.	.	49.7	77	(4830)
CENEX	330T	.	.	(.)	.	.	.	53.4	55	(3450)
DEKALB	DK-42A	.	.	(.)	.	.	.	55.5	82	(5150)
GROWERS	GSA 1210B	.	.	(.)	.	.	.	54.7	65	(4080)
HORIZON	45G	.	.	(.)	.	.	.	48.3	54	(3390)
NORTHRUP KING	NK 2222	.	.	(.)	.	.	.	51.2	74	(4650)
PFIZER GENETICS	M550G	.	.	(.)	.	.	.	50.9	82	(5150)
ACCO	OR 1020	.	.	(.)	.	.	.	50.2	71	(4460)
DEKALB	B-39Y+	.	.	(.)	.	.	.	50.1	77	(4830)
DEKALB	DK-57	.	.	(.)	.	.	.	51.7	98	(6150)
FONTANELLE	G5537	.	.	(.)	.	.	.	56.1	79	(4960)
FUNK'S	G550	.	.	(.)	.	.	.	49.1	87	(5460)
PRAIRIE VALLEY	530	.	.	(.)	.	.	.	56.0	41	(2570)
DEKALB	DK-42Y	.	.	(.)	.	.	.	56.0	113	(7090)
FONTANELLE	G3X80	.	.	(.)	.	.	.	55.1	89	(5590)
MIGRO SEEDS	TEK 14R	.	.	(.)	.	.	.	57.5	79	(4960)
ACCO	OR 1089	.	.	(.)	.	.	.	52.1	81	(5090)
CARGILL	60	.	.	(.)	.	.	.	56.6	83	(5210)
CENEX	400T	.	.	(.)	.	.	.	52.0	72	(4520)

CONTINUED

TABLE 2c. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A (KG/HA)
DEKALB	DK-58	.	. (.)	.	.	.	55.6	76 (4770)
MCCURDY	M51YG	.	. (.)	.	.	.	52.3	82 (5150)
P-A-G	5514	.	. (.)	.	.	.	51.9	94 (5900)
CRC	CRC G	.	. (.)	.	.	.	54.3	71 (4460)
GOLDEN ACRES	T-E Y-101-R	.	. (.)	.	.	.	54.0	79 (4960)
KELTGEN	KG7CT	.	. (.)	.	.	.	49.0	85 (5340)
CONLEE	RAWHIDE	.	. (.)	.	.	.	53.8	100 (6280)
-----	MARTIN	.	. (.)	.	.	.	52.5	58 (3640)
MIGRO SEEDS	TEK 16R	.	. (.)	.	.	.	50.1	88 (5520)
ASGROW	TOPAZ	.	. (.)	.	.	.	51.5	90 (5650)
ASGROW	MUSTANG	.	. (.)	.	.	.	55.6	83 (5210)
COOP	SG40GBR	.	. (.)	.	.	.	53.3	68 (4270)
GOLDEN ACRES	T-E DINERO	.	. (.)	.	.	.	54.5	60 (3770)
GOLDEN ACRES	T-E DINERO-R	.	. (.)	.	.	.	54.5	72 (4520)
GROWERS	GSA 1370A	.	. (.)	.	.	.	49.3	88 (5520)
HORIZON	95G	.	. (.)	.	.	.	53.1	97 (6090)
MCCURDY	55YG	.	. (.)	.	.	.	53.4	83 (5210)
P-A-G	4474	.	. (.)	.	.	.	56.3	104 (6530)
PFIZER GENETICS	M568G	.	. (.)	.	.	.	54.1	72 (4520)
WAC	692G	.	. (.)	.	.	.	53.2	88 (5520)
WEATHER MASTER	66Y GT	.	. (.)	.	.	.	51.5	72 (4520)
CARGILL	70	.	. (.)	.	.	.	54.1	86 (5400)
COOP	SG39GBR	.	. (.)	.	.	.	51.2	96 (6030)
COOP	SG42GBR	.	. (.)	.	.	.	52.8	82 (5150)
GROWERS	GSA 1212	.	. (.)	.	.	.	52.9	115 (7220)
GROWERS	GSA 1310A	.	. (.)	.	.	.	48.5	98 (6150)
HORIZON	101G	.	. (.)	.	.	.	53.4	85 (5340)
-----	RS 671	.	. (.)	.	.	.	51.5	81 (5090)
WAC	D701G	.	. (.)	.	.	.	50.9	79 (4960)
WEATHER MASTER	61Y GT	.	. (.)	.	.	.	54.8	67 (4210)
AVERAGE ALL ENTRIES							51.9	74.6 (4683)
DIF. REQ. FOR SIG.	5%						7.0	32.7 (2053)
	25%						4.1	19.0 (1193)

TABLE 2d. ZONE B. CHASE COUNTY IRRIGATED. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
-----	NB 505	.	45	(114)	.	.	.	49.5	80	(5020)
NORTHRUP KING	NK 2018	.	47	(119)	.	.	.	51.9	64	(4020)
CONLEE	QUICKEE	.	43	(109)	.	.	.	55.5	104	(6530)
PRAIRIE VALLEY	515	.	41	(104)	.	.	.	53.3	94	(5900)
MIGRO SEEDS	TEK 1011R	.	44	(112)	.	.	.	54.9	107	(6720)
ACCO	DR 1035	.	44	(112)	.	.	.	58.2	105	(6590)
CARGILL	30	.	46	(117)	.	.	.	54.1	117	(7350)
DEKALB	B-38+	.	48	(122)	.	.	.	56.9	96	(6030)
NORTHRUP KING	NK 2030	.	42	(107)	.	.	.	48.5	105	(6590)
PRAIRIE VALLEY	535	.	48	(122)	.	.	.	51.9	142	(8910)
-----	RS 626	.	45	(114)	.	.	.	51.7	107	(6720)
ASGROW	CORRAL	.	53	(135)	.	.	.	52.1	134	(8410)
CENEX	310T	.	48	(122)	.	.	.	58.1	113	(7090)
GOLDEN ACRES	T-E Y-45	.	52	(132)	.	.	.	54.2	112	(7030)
NC+	161	.	48	(122)	.	.	.	52.0	96	(6030)
NC+	160	.	51	(130)	.	.	.	56.6	128	(8040)
P-A-G	4433	.	47	(119)	.	.	.	50.8	97	(6090)
MIGRO SEEDS	TEK 1055R	.	50	(127)	.	.	.	56.4	115	(7220)
WAC	652G	.	52	(132)	.	.	.	53.4	131	(8220)
WARNER	W-655T	.	49	(124)	.	.	.	55.6	128	(8040)
FONTANELLE	G5547	.	49	(124)	.	.	.	55.6	127	(7970)
FUNK'S	G499GBR	.	40	(102)	.	.	.	51.8	96	(6030)
KELTGEN	KG63T	.	52	(132)	.	.	.	57.4	114	(7160)
MCCURDY	89YG	.	48	(122)	.	.	.	53.5	111	(6970)
WARNER	W-564T	.	46	(117)	.	.	.	54.7	115	(7220)
ACCO	GR 1028	.	42	(107)	.	.	.	53.4	118	(7410)
CARGILL	50	.	47	(119)	.	.	.	54.6	100	(6280)
CENEX	330T	.	48	(122)	.	.	.	48.5	106	(6650)
DEKALB	DK-42A	.	48	(122)	.	.	.	54.4	122	(7660)
GROWERS	GSA 1210B	.	47	(119)	.	.	.	54.2	110	(6910)
HORIZON	45G	.	47	(119)	.	.	.	51.7	107	(6720)
NORTHRUP KING	NK 2222	.	44	(112)	.	.	.	56.3	126	(7910)
PFIZER GENETICS	M550G	.	51	(130)	.	.	.	54.1	136	(8540)
ACCO	GR 1020	.	46	(117)	.	.	.	56.0	105	(6590)
DEKALB	B-39Y+	.	45	(114)	.	.	.	50.9	112	(7030)
DEKALB	DK-57	.	49	(124)	.	.	.	54.5	137	(8600)
FONTANELLE	G5537	.	48	(122)	.	.	.	52.7	112	(7030)
FUNK'S	G550	.	49	(124)	.	.	.	53.8	103	(6470)
PRAIRIE VALLEY	530	.	48	(122)	.	.	.	55.3	104	(6530)
DEKALB	DK-42Y	.	46	(117)	.	.	.	54.1	126	(7910)
FONTANELLE	G3X80	.	42	(107)	.	.	.	56.5	107	(6720)
MIGRO SEEDS	TEK 14R	.	53	(135)	.	.	.	56.5	120	(7530)
ACCO	GR 1089	.	46	(117)	.	.	.	49.7	123	(7720)
CARGILL	60	.	44	(112)	.	.	.	53.5	124	(7780)
CENEX	400T	.	46	(117)	.	.	.	52.1	125	(7850)

CONTINUED

TABLE 2d. CONCLUDED.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
DEKALB	DK-58	.	48	(122)	.	.	.	54.1	121	(7600)
MCCURDY	M51YG	.	45	(114)	.	.	.	51.8	108	(6780)
P-A-G	5514	.	45	(114)	.	.	.	52.6	120	(7530)
CRC	CRC G	.	45	(114)	.	.	.	52.3	104	(6530)
GOLDEN ACRES	T-E Y-101-R	.	47	(119)	.	.	.	54.3	123	(7720)
KELTGEN	KG70T	.	45	(114)	.	.	.	52.5	129	(8100)
CONLEE	RAWHIDE	.	45	(114)	.	.	.	53.0	128	(8040)
-----	MARTIN	.	48	(122)	.	.	.	53.2	75	(4710)
MIGRO SEEDS	TEK 16R	.	49	(124)	.	.	.	52.2	105	(6590)
ASGROW	TOPAZ	.	46	(117)	.	.	.	55.7	143	(8980)
ASGROW	MUSTANG	.	44	(112)	.	.	.	53.7	111	(6970)
COOP	SG40GBR	.	45	(114)	.	.	.	53.7	115	(7220)
GOLDEN ACRES	T-E DINERO	.	48	(122)	.	.	.	51.7	129	(8100)
GOLDEN ACRES	T-E DINERO-R	.	48	(122)	.	.	.	51.3	132	(8290)
GROWERS	GSA 1370A	.	50	(127)	.	.	.	53.9	139	(8730)
HORIZON	95G	.	45	(114)	.	.	.	53.7	117	(7350)
MCCURDY	55YG	.	48	(122)	.	.	.	54.7	131	(8220)
P-A-G	4474	.	44	(112)	.	.	.	51.3	123	(7720)
PFIZER GENETICS	M568G	.	44	(112)	.	.	.	52.8	134	(8410)
WAC	692G	.	46	(117)	.	.	.	56.5	126	(7910)
WEATHER MASTER	66Y GT	.	49	(124)	.	.	.	53.2	124	(7780)
CARGILL	70	.	46	(117)	.	.	.	52.4	100	(6280)
COOP	SG39GBR	.	47	(119)	.	.	.	54.9	131	(8220)
COOP	SG42GBR	.	49	(124)	.	.	.	50.7	127	(7970)
GROWERS	GSA 1212	.	47	(119)	.	.	.	55.9	138	(8660)
GROWERS	GSA 1310A	.	45	(114)	.	.	.	56.6	115	(7220)
HORIZON	101G	.	43	(109)	.	.	.	52.7	120	(7530)
-----	RS 671	.	45	(114)	.	.	.	54.3	135	(8480)
WAC	D701G	.	50	(127)	.	.	.	51.7	130	(8160)
WEATHER MASTER	61Y GT	.	45	(114)	.	.	.	54.6	122	(7660)
AVERAGE ALL ENTRIES			46.7	(119)				53.6	116.2	(7295)
DIF. REQ. FOR SIG.	5%		4.1	(10)				4.7	22.0	(1381)
	25%		2.4	(6)				2.8	2.8	(810)

TABLE 2e. ZONE B. 1979-1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
		TWO-YEAR AVERAGE								
-----	NB 505	69	44	(112)	.	.	78	53.5	66	(4140)
NORTHRUP KING	NK 2018	69	43	(109)	.	.	63	55.4	69	(4330)
DEKALB	B-38+	71	43	(109)	.	.	51	56.0	64	(4020)
MIGRO SEEDS	TEK 1011R	71	40	(102)	.	.	85	56.6	66	(4140)
P-A-G	4433	72	43	(109)	.	.	56	54.3	66	(4140)
PRAIRIE VALLEY	535	72	45	(114)	.	.	92	56.3	82	(5150)
-----	RS 626	72	42	(107)	.	.	64	54.8	69	(4330)
ACCO	DR 1035	73	42	(107)	.	.	86	56.9	64	(4020)
ASGROW	CORRAL	73	45	(114)	.	.	94	56.8	83	(5210)
CARGILL	30	73	42	(107)	.	.	79	57.4	78	(4900)
GOLDEN ACRES	T-E Y-45	73	45	(114)	.	.	66	53.4	69	(4330)
NC+	161	73	45	(114)	.	.	84	54.5	56	(3520)
NORTHRUP KING	NK 2030	73	39	(99)	.	.	38	55.9	76	(4770)
MIGRO SEEDS	TEK 1055R	73	45	(114)	.	.	100	58.0	81	(5090)
WARNER	W-564T	73	41	(104)	.	.	53	55.9	80	(5020)
WARNER	W-655T	73	44	(112)	.	.	77	56.7	76	(4770)
ACCO	GR 1028	74	41	(104)	.	.	64	54.8	71	(4460)
FONTANELLE	G5547	74	45	(114)	.	.	57	58.2	82	(5150)
FUNK'S	G499GBR	74	37	(94)	.	.	41	56.1	63	(3960)
MCCURDY	89YG	74	45	(114)	.	.	54	54.7	69	(4330)
PRAIRIE VALLEY	530	74	43	(109)	.	.	58	57.2	73	(4580)
PFIZER GENETICS	M550G	74	45	(114)	.	.	97	56.8	87	(5460)
DEKALB	B-39Y+	75	42	(107)	.	.	25	56.3	82	(5150)
DEKALB	DK-57	75	45	(114)	.	.	70	57.2	99	(6220)
FONTANELLE	G3X80	75	42	(107)	.	.	54	56.4	73	(4580)
MIGRO SEEDS	TEK 14R	75	47	(119)	.	.	87	57.7	79	(4960)
ACCO	GR 1089	76	44	(112)	.	.	52	53.9	80	(5020)
CARGILL	60	76	42	(107)	.	.	69	55.4	79	(4960)
-----	MARTIN	76	43	(109)	.	.	58	56.7	59	(3700)
GOLDEN ACRES	T-E Y-101-R	77	43	(109)	.	.	45	56.4	73	(4580)
MCCURDY	M51YG	77	41	(104)	.	.	61	55.5	76	(4770)
P-A-G	5514	77	40	(102)	.	.	64	54.9	79	(4960)
ORO	ORO G	77	41	(104)	.	.	73	54.4	75	(4710)
MIGRO SEEDS	TEK 16R	77	43	(109)	.	.	55	54.6	73	(4580)
ASGROW	MUSTANG	78	41	(104)	.	.	47	57.1	71	(4460)
COOP	SG40GBR	78	41	(104)	.	.	47	55.4	72	(4520)
GOLDEN ACRES	T-E DINERO	78	43	(109)	.	.	70	56.8	79	(4960)
HORIZON	95G	78	42	(107)	.	.	51	55.6	80	(5020)
P-A-G	4474	78	40	(102)	.	.	26	56.4	86	(5400)
-----	RS 671	78	43	(109)	.	.	75	54.6	80	(5020)
ASGROW	TOPAZ	79	43	(109)	.	.	66	58.0	84	(5270)
CARGILL	70	79	43	(109)	.	.	52	56.4	82	(5150)
HORIZON	101G	79	41	(104)	.	.	55	56.1	75	(4710)
AVERAGE ALL ENTRIES		74.7	42.6	(108)			63.7	56.0	75.0	(4709)
DIF. REQ. FOR SIG. 5%		2.8	2.7	(7)			26.8	N.S.	16.1	(1011)
25%		1.6	1.6	(4)			15.6	1.8	9.3	(584)

No lodging data - 1980.

TABLE 2f. ZONE B. 1976-1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
		THREE-YEAR AVERAGE								
-----	NB 505	68	41	(104)	.	.	63	55.1	59	(3700)
DEKALB	B-38+	70	40	(102)	.	.	48	56.6	62	(3890)
PRAIRIE VALLEY	535	72	43	(109)	.	.	71	56.7	76	(4770)
ACCO	DR 1035	73	39	(99)	.	.	54	57.5	61	(3830)
FUNK'S	G499GBR	73	35	(89)	.	.	30	55.7	56	(3520)
GOLDEN ACRES	T-E Y-45	73	42	(107)	.	.	44	54.4	65	(4080)
MCCURDY	89YG	73	41	(104)	.	.	41	55.4	63	(3960)
NC+	161	73	42	(107)	.	.	64	54.8	53	(3330)
PRAIRIE VALLEY	530	73	40	(102)	.	.	43	57.3	66	(4140)
-----	RS 626	73	40	(102)	.	.	47	55.3	64	(4020)
PFIZER GENETICS	M550G	73	42	(107)	.	.	63	57.1	76	(4770)
ACCO	GR 1028	74	39	(99)	.	.	47	55.0	65	(4080)
DEKALB	B-39Y+	74	40	(102)	.	.	16	56.9	73	(4580)
FONTANELLE	G3X80	74	40	(102)	.	.	32	57.0	68	(4270)
MIGRO SEEDS	TEK 14R	74	43	(109)	.	.	67	57.8	71	(4460)
ACCO	GR 1089	76	41	(104)	.	.	41	54.0	75	(4710)
-----	MARTIN	76	41	(104)	.	.	33	57.3	57	(3580)
GOLDEN ACRES	T-E Y-101-R	77	40	(102)	.	.	27	56.4	64	(4020)
HORIZON	95G	77	39	(99)	.	.	37	55.8	73	(4580)
MCCURDY	M51YG	77	38	(97)	.	.	45	55.7	71	(4460)
P-A-G	5514	77	38	(97)	.	.	40	55.3	74	(4650)
ORO	ORO G	77	39	(99)	.	.	55	54.8	69	(4330)
MIGRO SEEDS	TEK 16R	77	41	(104)	.	.	38	55.1	65	(4080)
ASGROW	TOPAZ	78	39	(99)	.	.	36	58.2	71	(4460)
ASGROW	MUSTANG	78	38	(97)	.	.	30	57.4	66	(4140)
COOP	SG40GBR	78	38	(97)	.	.	35	55.8	63	(3960)
GOLDEN ACRES	T-E DINERO	78	41	(104)	.	.	41	57.2	72	(4520)
HORIZON	101G	78	38	(97)	.	.	40	56.7	70	(4390)
P-A-G	4474	78	38	(97)	.	.	22	56.3	77	(4830)
-----	RS 671	78	41	(104)	.	.	46	55.1	72	(4520)
AVERAGE ALL ENTRIES		75.0	39.9	(101)			43.2	56.1	67.2	(4219)
DIF REQ. FOR SIG.	5%	2.1	2.3	(6)			22.0	1.9	10.7	(672)
	25%	1.2	1.3	(3)			12.6	1.1	6.2	(389)
		FOUR-YEAR AVERAGE								
-----	NB 505	66	42	(107)	.	.	45	56.3	64	(4020)
DEKALB	B-38+	68	40	(102)	.	.	33	57.4	71	(4460)
ACCO	DR 1035	71	40	(102)	.	.	37	58.3	70	(4390)
MCCURDY	89YG	71	42	(107)	.	.	31	56.2	73	(4580)
NC+	161	71	43	(109)	.	.	45	55.7	64	(4020)
-----	RS 626	71	41	(104)	.	.	35	56.2	69	(4330)
ACCO	GR 1028	72	40	(102)	.	.	32	55.8	74	(4650)
DEKALB	B-39Y+	72	40	(102)	.	.	13	57.7	79	(4960)
FUNK'S	G499GBR	72	36	(91)	.	.	22	56.3	68	(4270)
-----	MARTIN	74	41	(104)	.	.	24	57.9	60	(3770)
MCCURDY	M51YG	75	40	(102)	.	.	31	56.4	80	(5020)
ORO	ORO G	75	40	(102)	.	.	38	55.6	80	(5020)
MIGRO SEEDS	TEK 16R	75	42	(107)	.	.	29	55.6	76	(4770)
COOP	SG40GBR	76	39	(99)	.	.	24	56.3	77	(4830)
GOLDEN ACRES	T-E Y-101-R	76	40	(102)	.	.	22	56.5	75	(4710)
P-A-G	5514	76	39	(99)	.	.	29	55.8	81	(5090)
-----	RS 671	77	41	(104)	.	.	33	55.6	77	(4830)
AVERAGE ALL ENTRIES		72.8	40.4	(103)			30.8	56.4	72.8	(4570)
DIF. REQ. FOR SIG.	5%	1.8	1.9	(5)			N.S.	1.5	11.6	(728)
	25%	1.0	1.1	(3)			10.0	0.9	6.7	(421)
		FIVE-YEAR AVERAGE								
-----	NB 505	66	42	(107)	.	.	46	56.9	64	(4020)
DEKALB	B-38+	68	40	(102)	.	.	30	57.5	72	(4520)
NC+	161	71	43	(109)	.	.	45	56.3	66	(4140)
-----	RS 626	71	41	(104)	.	.	36	56.5	70	(4390)
-----	MARTIN	74	41	(104)	.	.	21	57.9	60	(3770)
MIGRO SEEDS	TEK 16R	76	41	(104)	.	.	22	55.1	74	(4650)
GOLDEN ACRES	T-E Y-101-R	77	40	(102)	.	.	17	56.1	74	(4650)
-----	RS 671	77	41	(104)	.	.	25	55.5	73	(4580)
AVERAGE ALL ENTRIES		72.5	41.1	(104)			30.3	56.5	69.1	(4338)
DIF. REQ. FOR SIG.	5%	2.0	N.S.				17.0	1.7	N.S.	
	25%	1.2	1.1	(3)			9.6	1.0	6.9	(433)

No lodging data - 1980.

TABLE 3a. ZONE C. CHEYENNE COUNTY. 1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	(CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	(KG/HA)
-----	RS 455	64	44	(112)	.	11	8	56.1	30	(1880)
ACCO	R 920	66	39	(99)	.	10	30	55.4	27	(1700)
-----	NB 505	68	37	(94)	.	11	18	56.6	27	(1700)
NORTHRUP KING	NK 121A	68	34	(86)	.	10	8	55.7	36	(2260)
NORTHRUP KING	NK 1210	68	35	(89)	.	10	6	57.2	40	(2510)
NORTHRUP KING	NK 129	69	38	(97)	.	11	8	57.4	29	(1820)
FUNK'S	G261	70	36	(91)	.	11	6	57.2	43	(2700)
NC+	55X	70	36	(91)	.	10	2	56.2	39	(2450)
PFIZER GENETICS	M518G	71	31	(79)	.	11	0	56.6	28	(1760)
DEKALB	A-28+	72	36	(91)	.	11	2	57.8	42	(2640)
KELTGEN	KG57T	73	31	(79)	.	11	0	56.6	34	(2130)
CENEX	224T	74	31	(79)	.	12	0	57.9	37	(2320)
GOLDEN ACRES	T-E Y-44-R	74	34	(86)	.	12	0	57.5	45	(2830)
GOLDEN ACRES	T-E EXP. 8163	74	36	(91)	.	14	0	57.5	33	(2070)
PRAIRIE VALLEY	515	74	32	(81)	.	11	0	58.3	40	(2510)
WEATHER MASTER	46Y GT	74	36	(91)	.	12	0	58.3	40	(2510)
ACCO	R 1014	75	34	(86)	.	13	8	56.3	38	(2390)
ACCO	R 980	75	32	(81)	.	12	0	59.1	40	(2510)
FONTANELLE	G3X50	75	35	(89)	.	12	4	58.0	29	(1820)
FUNK'S	HW1769	75	33	(84)	.	13	0	57.2	38	(2390)
P-A-G	4433	75	33	(84)	.	13	0	58.0	42	(2640)
CRC	CRC REC10	75	31	(79)	.	11	0	57.5	34	(2130)
MIGRO SEEDS	TEK 1011R	75	33	(84)	.	12	2	58.6	37	(2320)
CARGILL	30	76	35	(89)	.	15	0	57.5	39	(2450)
DEKALB	B-38+	76	33	(84)	.	11	0	56.9	31	(1950)
MCCURDY	89YG	76	34	(86)	.	12	0	57.9	44	(2760)
NORTHRUP KING	NK 1580	76	33	(84)	.	11	0	57.8	38	(2390)
WARNER	W-545T	76	32	(81)	.	12	0	57.4	40	(2510)
CENEX	228T	77	34	(86)	.	14	0	58.5	37	(2320)
GOLDEN ACRES	T-E Y-45	77	35	(89)	.	13	0	54.9	28	(1760)
KELTGEN	KG63T	77	36	(91)	.	13	0	58.0	45	(2830)
MIGRO SEEDS	TEK 1055R	77	34	(86)	.	13	0	57.6	38	(2390)
WARNER	W-564T	77	34	(86)	.	15	0	58.3	29	(1820)
MIGRO SEEDS	TEK 14R	78	37	(94)	.	15	0	58.1	38	(2390)
PFIZER GENETICS	M550G	78	37	(94)	.	14	0	57.8	40	(2510)
MIGRO SEEDS	TEK 16R	80	35	(89)	.	18	0	56.6	34	(2130)
AVERAGE ALL ENTRIES		73.8	34.6	(88)		12.2	2.8	57.3	36.4	(2285)
DIF. REQ. FOR SIG.	5%	2.1	2.6	(7)		1.3	9.5	1.5	10.7	(672)
	25%	1.2	1.5	(4)		0.8	5.6	0.9	6.3	(396)

TABLE 3b. ZONE C. 1976-1980.

BRAND	HYBRID	PLANT-BLOOM DAYS	PLANT HEIGHT IN	PLANT HEIGHT (CM)	HEAD EXS IN	EARLY MOIST PCT	STALK LODG PCT	TEST WT LB/BU	GRAIN YIELD BU/A	GRAIN YIELD (KG/HA)
		TWO-YEAR AVERAGE								
-----	RS 455	68	42	(107)	.	11	8	56.5	36	(2260)
ACCO	R 920	72	37	(94)	.	10	30	55.9	45	(2830)
NORTHRUP KING	NK 121A	74	33	(84)	.	10	8	55.3	49	(3080)
-----	NB 505	75	37	(94)	.	11	18	57.1	40	(2510)
DEKALB	A-28+	76	35	(89)	.	11	2	56.6	53	(3330)
NC+	55X	76	36	(91)	.	10	2	54.5	46	(2890)
NORTHRUP KING	NK 129	76	38	(97)	.	11	8	56.3	40	(2510)
DEKALB	B-38+	80	35	(89)	.	11	0	54.9	41	(2570)
WARNER	W-545T	80	32	(81)	.	12	0	55.4	41	(2570)
ACCO	R 1014	81	33	(84)	.	13	8	53.5	48	(3010)
FONTANELLE	G3X50	81	36	(91)	.	12	4	55.5	34	(2130)
NORTHRUP KING	NK 1580	81	35	(89)	.	11	0	56.2	41	(2570)
ACCO	R 980	82	33	(84)	.	12	0	54.7	40	(2510)
P-A-G	4433	82	35	(89)	.	13	0	54.2	39	(2450)
CARGILL	30	84	35	(89)	.	15	0	53.9	38	(2390)
MIGRO SEEDS	TEK 1011R	84	34	(86)	.	12	2	55.3	39	(2450)
GOLDEN ACRES	T-E Y-45	85	36	(91)	.	13	0	49.1	34	(2130)
GOLDEN ACRES	T-E Y-44-R	85	35	(89)	.	12	0	50.2	41	(2570)
MIGRO SEEDS	TEK 1055R	85	35	(89)	.	13	0	51.4	37	(2320)
PFIZER GENETICS	M550G	86	38	(97)	.	15	0	51.9	43	(2700)
MIGRO SEEDS	TEK 14R	87	36	(91)	.	15	0	52.2	33	(2070)
AVERAGE ALL ENTRIES		80.0	35.5	(90)		12.0	4.3	54.3	40.9	(2568)
DIF. REQ. FOR SIG.	5%	5.3	3.1	(8)		1.3	9.5	N.S.	N.S.	
	25%	3.0	1.7	(4)		0.8	5.6	N.S.	N.S.	
		THREE-YEAR AVERAGE								
-----	RS 455	73	42	(107)	.	15	6	55.3	39	(2450)
ACCO	R 920	75	38	(97)	.	16	20	54.7	43	(2700)
DEKALB	A-28+	78	37	(94)	.	16	4	54.6	50	(3140)
NORTHRUP KING	NK 121A	78	34	(86)	.	17	4	53.0	48	(3010)
-----	NB 505	79	39	(99)	.	14	11	56.5	41	(2570)
DEKALB	B-38+	82	36	(91)	.	17	0	53.1	43	(2700)
ACCO	R 1014	84	35	(89)	.	19	4	50.9	45	(2830)
FONTANELLE	G3X50	84	38	(97)	.	19	2	53.4	37	(2320)
ACCO	R 980	85	34	(86)	.	18	0	52.9	40	(2510)
NORTHRUP KING	NK 1580	85	36	(91)	.	19	0	54.8	44	(2760)
GOLDEN ACRES	T-E Y-45	89	38	(97)	.	23	0	45.4	35	(2200)
GOLDEN ACRES	T-E Y-44-R	89	36	(91)	.	21	0	46.9	42	(2640)
MIGRO SEEDS	TEK 14R	91	38	(97)	.	24	0	50.1	36	(2260)
AVERAGE ALL ENTRIES		82.5	37.0	(94)		18.3	3.9	52.4	41.8	(2624)
DIF. REQ. FOR SIG.	5%	4.0	2.3	(6)		N.S.	10.4	5.1	N.S.	
	25%	2.3	1.3	(3)		3.4	5.8	2.9	N.S.	
		FOUR-YEAR AVERAGE								
-----	RS 455	70	41	(104)	.	15	6	55.6	40	(2510)
ACCO	R 920	73	38	(97)	.	16	25	55.1	41	(2570)
DEKALB	A-28+	76	36	(91)	.	16	11	55.1	46	(2890)
-----	NB 505	76	39	(99)	.	14	18	56.8	39	(2450)
DEKALB	B-38+	80	35	(89)	.	17	3	54.0	43	(2700)
ACCO	R 1014	82	35	(89)	.	19	8	51.8	43	(2700)
NORTHRUP KING	NK 1580	82	36	(91)	.	19	2	55.5	46	(2890)
ACCO	R 980	83	34	(86)	.	18	2	54.0	42	(2640)
GOLDEN ACRES	T-E Y-45	87	38	(97)	.	23	1	47.2	38	(2390)
AVERAGE ALL ENTRIES		78.8	36.9	(94)		17.4	8.4	53.9	42.0	(2637)
DIF. REQ. FOR SIG.	5%	2.5	2.2	(6)		N.S.	12.7	3.6	N.S.	
	25%	1.4	1.3	(3)		3.5	7.1	2.0	N.S.	
		FIVE-YEAR AVERAGE								
-----	RS 455	72	42	(107)	.	15	14	54.8	36	(2260)
ACCO	R 920	75	38	(97)	.	16	40	53.9	37	(2320)
-----	NB 505	78	39	(99)	.	14	25	55.0	35	(2200)
DEKALB	B-38+	82	35	(89)	.	17	3	53.3	40	(2510)
NORTHRUP KING	NK 1580	84	36	(91)	.	19	4	54.5	42	(2640)
ACCO	R 1014	85	34	(86)	.	19	7	50.9	38	(2390)
AVERAGE ALL ENTRIES		79.3	37.3	(95)		16.7	15.5	53.7	38.0	(2386)
DIF. REQ. FOR SIG.	5%	1.8	2.1	(5)		N.S.	26.9	2.2	N.S.	
	25%	1.0	1.2	(3)		N.S.	15.2	1.2	N.S.	

No early grain moisture data - 1976, 1977, 1979.
No lodging data - 1979.

Agricultural Research for All of Nebraska

The agricultural research division of the Institute of Agriculture and Natural Resources is the Nebraska Agricultural Experiment Station. The Experiment Station relies on its research centers and field laboratories to provide applied knowledge for development of Nebraska's largest industry—agriculture. In addition, many Nebraska farmers cooperate by furnishing land and other facilities for research projects. This provides information from areas not well represented by stations.

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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 14 to 40 inches per year, and the soil types vary from sands to heavy clays. The research program thus is broad in subject matter and geography, resulting in the need for various stations and satellite locations.

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