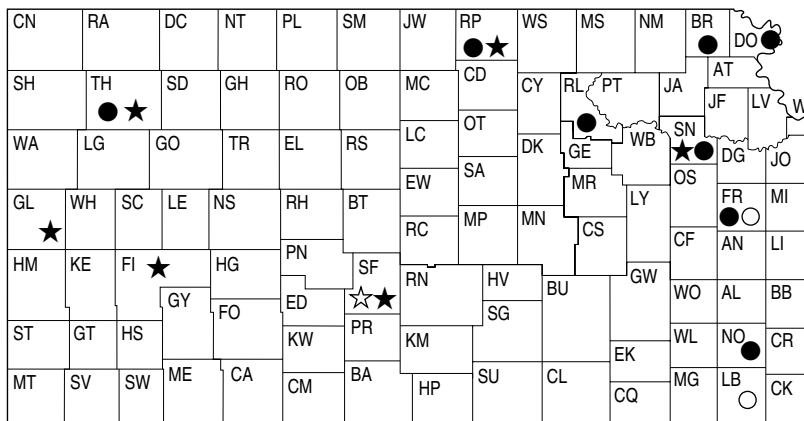




1996

KANSAS PERFORMANCE TESTS WITH CORN HYBRIDS



● standard dryland ★ standard irrigated
 ○ short-season dryland ☆ short-season irrigated

Report of Progress 774

Agricultural Experiment Station * Kansas State University, Manhattan * Marc A. Johnson, Director

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1996 KANSAS CORN PERFORMANCE TESTS

INTRODUCTION

TEST OBJECTIVES AND PROCEDURES

Corn Performance Tests, conducted annually by the Kansas Agricultural Experiment Station, provide farmers, extension workers, and private research and sales personnel with unbiased agronomic information on many of the corn hybrids marketed in the state. Entry fees from private seed companies help finance the tests. Seed companies receive test announcements and entry forms in late January each year; deadlines for receipt of completed entry forms and seed are in early March. Because entry selection and location are voluntary, not all hybrids grown in the state are included in tests, and hybrids are not grown uniformly at all test locations.

In 1992, several short-season corn performance tests were added. Procedures for these tests were similar to those for the full-season tests, except where noted. This series of tests targets evaluation of corn hybrids for use in early-planted, short-season, cropping systems. Hybrids with adequate heat and drought tolerance are needed for these systems. These hybrids often will be subjected to severe heat and drought stress in July and August. These systems typically are utilized on soils with poor water-holding capacities. Early-maturing hybrids often are able to escape a good portion of the typical stress if they can be planted early. Utilization of short-season hybrids under irrigation often is related to the desire to reduce irrigation inputs or to facilitate specific crop rotations.

A summary of growing-season weather data is given in individual test discussions. These data are from the nearest weather-reporting station and often are supplemented with information from the test site. Precipitation graphs include cumulative lines for 1996 and the 30-year normal in addition to the daily rainfall amounts since last fall. Temperature graphs include daily maximum and minimum temperatures compared with

normal. Growing degree graphs include cumulative lines for 1996 and normal. All graphs include vertical lines indicating planting, silking, and harvest dates, if available. General trends in precipitation and rainfall relative to normal are readily observed in the graphs. For more detailed information, a table is included with monthly totals and averages for the growing season. Comparisons of the current year's weather with long-time averages often help explain unusual plant development patterns and inconsistent performance of individual hybrids over years.

Explanatory information is given preceding data summaries for each test. Tables 1-14 contain results from individual locations of the standard corn performance tests. Hybrids are no longer separated into groups based on hybrid maturity because of the difficulty in accurately assigning a maturity class before the growing season. Rather, hybrids are now listed in order of increasing days to half silk and increasing grain moisture for the current year so hybrids of similar maturity appear together. A yield summary (Table 15) presents yields as a percent of the average for each location. Tables 16-18 contain results from the short-season tests. Table 19 lists yields expressed as a percent of the test averages from the short-season tests. The 1996 entrants, entries, and some additional descriptive information are listed in the Appendixes.

Beginning in 1995, most corn tests were planted at a rate 10% to 20% above the desired population and only minimally thinned. Planting to stand enables evaluation of product performance for the entire growing season. The performance of the marketed product includes stand establishment as well as genetic yield potential.

Tractor-powered, modified, White air-planters were used for nearly all tests. Except for the Finney County test where space was limited, four plots (replications) of each hybrid were grown at each location in a randomized complete block

design. In one test (Thomas Co. dryland), four-row plots were used. Each harvested plot consisted of two rows trimmed to a specific length ranging from 20 to 45 feet at the different locations. Tests were harvested with Gleaner-E combines equipped with automatic weighing and sampling devices.

GRAIN YIELDS are reported as bushels per acre of shelled grain (56 lbs/bu) adjusted to a moisture content of 15.5%. *BUSHEL YIELDS* are given but also are converted to *YIELDS AS PERCENTAGES OF THE TEST AVERAGE* to speed recognition of highest-yielding hybrids (more than 100%, the test average). The actual test average in bushels per acre is listed as the test average in the *YIELD AS % OF TEST AVERAGE* columns as a guide to actual yields. Hybrids yielding more than 100% of the test average year after year merit consideration, but adaptation to individual farms for appropriate maturity, stalk strength, and other factors also must be considered.

The number of *LODGED and DROPPED EARS* is reported, when appropriate. Plants broken over below the ear were considered *LODGED*, although many were harvestable with modern machinery. Severely lodged stalks or dropped ears that could not be picked up by normal harvest procedures are not included in yield. Because harvest often is delayed until latest maturing entries are ripe, early and mid-season hybrids could lose ears simply because they must wait well past their optimum harvest date. In most years, dropped ears do not significantly affect yields.

Relative maturity is measured in terms of both *NUMBER OF DAYS FROM PLANTING TO SILKING* and *GRAIN MOISTURE AT HARVEST* at most locations. Entries are listed in order of increasing maturity based on days to silking and harvest moisture in the current year to facilitate comparison of hybrids of like maturity. Maturity can be critical when considering a corn hybrid for a specific cropping system.

The *GROWTH UNIT* or *GROWING DEGREE DAY* concept was developed to measure the amount of heat available for growth and maturation. The formula used to generate the monthly totals in individual test discussions

follows: Take the maximum temperature plus the minimum temperature for each day, divide by 2, and then subtract a base temperature of 50 each day. Any temperature below 50F was considered to be 50, and any temperature over 86F was called 86. Growth unit accumulations for the current year are compared with the long-term average or 'normal' for each test.

Small differences in yield or other characteristics should not be overemphasized. Least significant differences (LSD's) are shown at the bottom of each table. Unless two entries differ by at least the LSD shown, little confidence can be placed in one being superior to the other. The coefficient of variability (CV) can be used to estimate the degree of confidence one may have in published data from replicated tests. In this testing program, CV's below 10% generally indicate reliable, uniform data, whereas CV's of 10 to 15% are not uncommon and usually indicate that data are acceptable for the rough performance comparisons desired from these tests. Tests with CV's over 15% still may be useful, but hybrid comparisons lack precision.

1996 STATEWIDE GROWING CONDITIONS

Generally favorable conditions during the critical parts of the growing season set the stage for a record corn crop. The season started out with low soil moisture, but timely rains during the remainder of the summer provided sufficient moisture for high yields in much of the state (Figure 1).

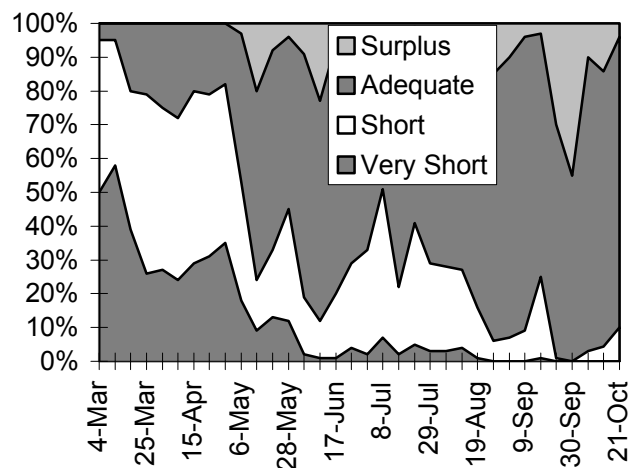


Figure 1. Statewide topsoil moisture status.

Most of the crop experienced favorable conditions during the bulk of the growing season. At all times, at least 55% of the crop rated good or excellent, and from July on, over 80% was in those categories (Figure 2).

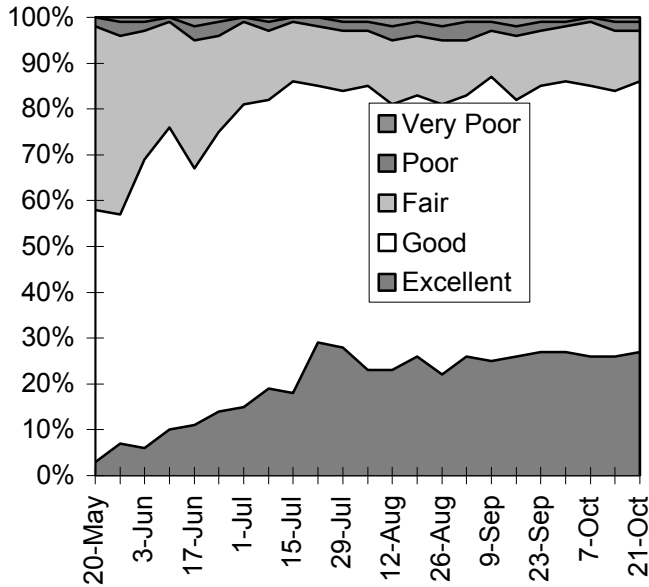


Figure 2. 1996 Corn crop condition.

Warm temperatures early in the summer enabled timely planting and caused rapid growth and development. However, relatively cool temperatures in August slowed maturation and dry down. As a result, harvest was later than it was in 1995 even though crop development had been ahead of last year for much of the season. (Figure 3). (From Crop-Weather reports, Kansas Agricultural Statistics, Topeka)

Although other insect pests were present in 1996, most of the damage was done by the same insects that typically cause problems for the Kansas corn crop. Occasional fields suffered serious cutworm damage, but injury was not widespread. European corn borer moths began appearing in early June in eastern Kansas. Southwestern corn borer moths appeared in mid-late June in south central and southwest Kansas. First-generation populations of both pests appeared lighter than normal, but the second generation tended to be more plentiful and to cause more damage. Growers in south central and southwestern areas treated many fields. Corn rootworms caused serious damage in some southwestern fields in July. Spider mite populations increased in many western fields; however, natural predators often kept populations in check. (From Cooperative Economic Insect Survey, Kansas Board of Ag.)

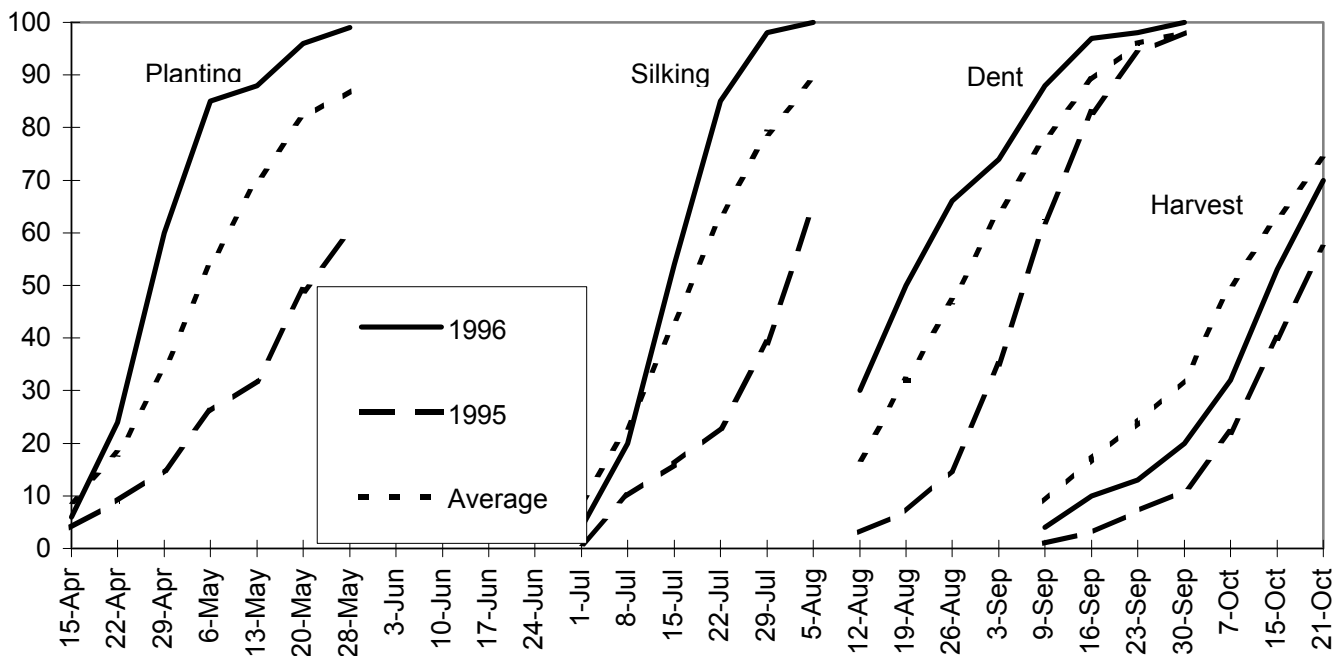


Figure 3. 1996 Kansas corn crop progress.

Disease problems were above normal in the 1996 Kansas corn crop. Frequent rains in May caused significant amounts of Pythium seedling blight in many parts of the state. Additionally, eastern Kansas corn less than 12 inches in height was plagued by yellowing leaves and crown decay problems. The cause was identified as oxygen deprivation and was associated with continuously wet soils. Corn plants less than 12 inches in height have a low tolerance to wet or flooded soils. Significant levels of gray leaf spot developed in many fields in northeast, south central, and southwest Kansas. Many fields reached economic treatment levels and required spraying. Known areas of infestation spread at least 90 miles westward in 1996, with known outbreaks as far west as Lakin in southwest Kansas and Kensington in northwest Kansas. Stalk rot levels were generally low, but some hot spots developed around the state. The areas in extreme northeast and southwest Kansas that had significant gray leaf spot problems also developed significant levels of anthracnose stalk rot. Fusarium stalk rot problems occurred in many fields affected by the early season crown damage.

Ear mold levels were above average as well in 1996. Aflatoxin development, caused by the fungus *Aspergillus flavus*, has been reported primarily from northeast Kansas, but also from southeastern areas. Gibberella, Fusarium and Diplodia ear rots also have been frequent, with several reports coming in from both southwest and northwest production areas. These molds are associated with the frequent rains and hail damage that occurred in many areas during the grain filling period. *Gibberella* and *Fusarium* can produce vomitoxin and zearalenone, and feeders should test suspect grain for toxins especially if destined for swine feeding. (From Doug Jardine, Extension Plant Pathologist, Kansas State University Department of Plant Pathology.)

The October 11 Kansas Agricultural Statistics report predicted a record 340.8 million bushel crop, up 39% from 1995. This production is from 2.35 million harvested acres, up 19% from last year. The predicted average yield of 145 bushels per acre is 21 bushels above that in 1995. (From October 11 Crops Report, Kansas Agriculture Statistics.)

ACKNOWLEDGMENTS

Cooperation of Research Center and Experiment Field personnel who furnished land and performed many or all of the field operations is sincerely appreciated. Technicians Edward O. Quigley and James R. Cochrane packaged seed and performed field operations for some of the tests. Student workers Linsay Allison and Matt Franko helped with seed counting, sign painting, and plot maintenance. Mary Knapp of the Weather Data Library provided much of the climatological information.

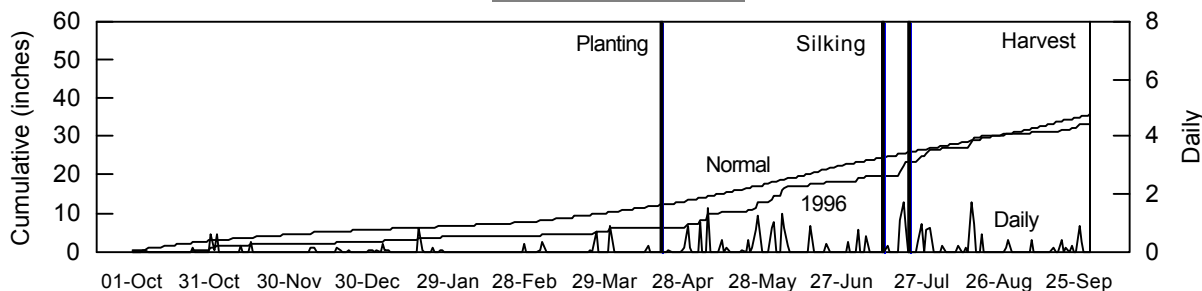
NORTHEASTERN KANSAS STANDARD CORN TEST ON SILT LOAM SOIL

COUNTY: DONIPHAN
LOCATION: Private farm 1 mile north of Severance
TEST SITE: Manona silt loam
1995 CROP: Soybeans
1994 CROP: Corn
FERTILIZER (lbs/acre): 150 N 0 P2O5 0 K2O
PLANTING DATE: 4/19/96
HARVEST DATE: 10/3/96
COOPERATORS:
 Fuhrman Farms, Inc.

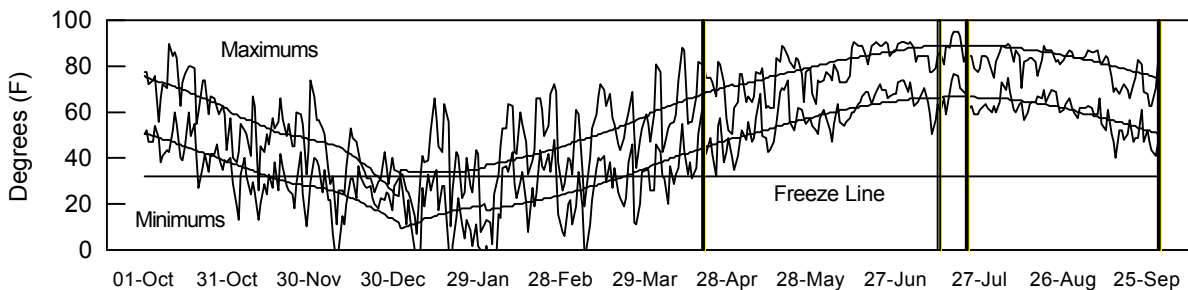
TARGET POPULATION: 24,000 plants/acre,
 8.7 in. spacing
STAND (% of target): 115
YIELD: Average (bu/a): 216
Range (bu/a): 176 - 246
LSD (bu/a): 18
CV (%): 7
SILK DATES: 7/13/96 - 7/23/96
1996 GROWING CONDITONS:

Good planting conditions resulted in good stands, but heavy May rains slowed early growth. The rest of the season was ideal for corn production, with adequate heat and timely rains. Gray leaf spot and possibly anthracnose moved in late in the season and may have decreased yields slightly.

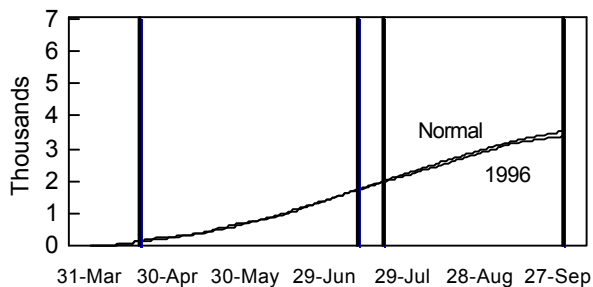
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.2	3.3	53	55	272	255
May	5.6	4.4	65	65	456	453
June	5.5	5.2	74	74	710	726
July	8.4	4.1	75	78	779	841
August	4.3	3.8	74	76	724	748
Sept.	2.5	4.9	65	68	475	532
Season Totals	28.3	25.7	68	69	3414	3555

TABLE 1. DONIPHAN CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS			YIELD AS % OF TEST AVERAGE			95-96		1996							
		1996	1995	1994	2-Yr. AVG.	3-Yr. AVG.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Drop. Ears %	Test Wt. lb/bu
ASGROW	RX701	207	--	--	--	--	96	--	--	--	--	85	20	116	3	1	53
MATURITY CHECK	SHORT-C4327	176	112	187	144	158	82	80	98	80	18	86	18	121	0	0	56
BO-JAC	438	194	145	175	170	171	90	104	92	80	19	86	19	99	1	1	55
CARGILL	6997	214	--	--	--	--	99	--	--	--	--	86	19	119	1	0	54
DEKALB	DK591	223	144	201	183	189	104	102	105	80	19	86	19	113	2	1	55
FONTANELLE	5335	221	--	--	--	--	102	--	--	--	--	86	19	108	3	0	55
MSG	G 7711	211	156	--	184	--	98	111	--	80	20	86	19	111	3	0	56
PFISTER	2650	216	148	--	182	--	100	106	--	80	20	86	19	112	2	0	55
BO-JAC	580	206	163	--	185	--	96	116	--	80	21	86	20	116	9	1	55
CARGILL	7777	200	153	200	177	184	93	109	105	80	21	86	20	116	5	0	55
HAWKEYE	SX62	225	162	--	194	--	105	115	--	80	21	86	20	120	1	0	54
MYCOGEN	7250	219	--	--	--	--	102	--	--	--	--	86	20	111	2	0	54
NORTHROP KING	X7675CBR	211	--	--	--	--	98	--	--	--	--	86	20	116	2	0	53
ASGROW	RX760	217	--	--	--	--	101	--	--	--	--	86	21	116	5	0	52
CARGILL	7997	184	133	183	158	166	85	95	96	80	21	86	21	112	3	0	54
NK	N7333	216	153	205	185	192	100	109	108	80	22	86	21	117	2	2	54
PIONEER	3231	193	--	--	--	--	90	--	--	--	--	86	21	108	2	1	56
STAUFFER	X240	218	--	--	--	--	101	--	--	--	--	86	21	118	6	2	54
GARST	8342	204	--	--	--	--	95	--	--	--	--	86	22	116	7	0	53
BO-JAC	415	221	--	--	--	--	102	--	--	--	--	87	18	114	0	0	54
PIONEER	3394	214	145	200	180	186	99	103	105	80	19	87	18	118	2	0	56
DEKALB	DK626	236	122	--	179	--	109	87	--	81	19	87	19	118	8	0	54
MATURITY CHECK	MID-H-2530	209	132	174	171	172	97	94	91	80	19	87	19	116	2	0	54
ASGROW	RX770	214	151	--	182	--	99	107	--	81	19	87	20	120	4	0	54
CIBA	4494	227	--	--	--	--	105	--	--	--	--	87	20	122	4	0	56
FONTANELLE	6162	213	158	214	186	195	99	112	112	81	20	87	20	113	3	1	56
GARST	8325	220	--	--	--	--	102	--	--	--	--	87	20	115	2	0	53
HOEGEMEYER	2682	233	--	--	--	--	108	--	--	--	--	87	20	111	3	1	53
LEWIS	5446	246	--	--	--	--	114	--	--	--	--	87	20	117	3	0	53
LEWIS	5584	216	159	200	187	191	100	113	105	81	21	87	20	119	2	1	53
NK	N7590	209	135	--	172	--	97	96	--	81	21	87	20	116	5	1	54
RENZE	6425	225	143	--	184	--	104	102	--	81	21	87	20	123	1	0	55
RENZE	6386	221	161	--	191	--	103	114	--	81	20	87	20	122	1	0	55
ASGROW	RX790	211	--	--	--	--	98	--	--	--	--	87	21	112	1	0	54
FONTANELLE	5676	209	--	--	--	--	97	--	--	--	--	87	21	100	5	0	54
RENZE	6416	223	143	--	183	--	103	102	--	81	22	87	21	118	1	0	55
LEWIS	6287	229	--	--	--	--	106	--	--	--	--	87	23	111	2	0	52
RENZE	6345	220	164	--	192	--	102	117	--	81	19	88	19	119	1	0	55
MATURITY CHECK	F-B73 X N204	166	101	--	134	--	77	72	--	81	20	88	20	103	12	3	55
MSG	O 331	216	160	199	188	192	100	114	104	81	20	88	20	120	8	0	55
PATRIOT	6142	229	--	--	--	--	106	--	--	--	--	88	20	102	2	1	53
PFISTER	3049	237	--	--	--	--	110	--	--	--	--	88	20	116	1	0	53
HAWKEYE	SX66	228	--	--	--	--	106	--	--	--	--	88	21	116	3	1	53
HOEGEMEYER	2693	222	143	--	182	--	103	102	--	81	21	88	21	116	2	0	55
MSG	G 8452	209	--	--	--	--	97	--	--	--	--	88	21	116	2	0	54
NORTHROP KING	X7375CBR	230	--	--	--	--	106	--	--	--	--	88	21	112	3	0	55
MSG	G 8511	218	--	--	--	--	101	--	--	--	--	89	21	109	5	0	53
CIBA	4575	212	--	--	--	--	98	--	--	--	--	89	22	112	1	0	53

(continued)

TABLE 1. DONIPHAN CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL						YIELD AS % OF TEST AVERAGE			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Drop. Ears %	Test Wt. lb/bu
					AVG.	AVG.											
HOEGEMEYER	2689	222	143	--	183	--	103	102	--	83	21	90	20	118	6	1	56
MYCOGEN	2815	202	--	--	--	--	93	--	--	--	--	90	21	118	0	0	55
DEKALB	DK642	230	--	--	--	--	107	--	--	--	--	90	22	107	5	0	53
NK	4662	224	--	--	--	--	104	--	--	--	--	90	22	119	3	0	53
PIONEER	3260	220	--	--	--	--	102	--	--	--	--	90	22	116	3	2	55
MATURITY CHECK	FB73rhmxMO17	201	127	--	164	--	93	90	--	82	23	90	23	117	6	1	53
PATRIOT	6168	214	--	--	--	--	99	--	--	--	--	90	23	114	2	0	53
WILSON	1792	213	--	--	--	--	99	--	--	--	--	90	23	116	7	1	53
MSG	G 8771	237	--	--	--	--	110	--	--	--	--	91	22	123	1	0	51
RENZE	6506	237	--	--	--	--	110	--	--	--	--	91	23	113	7	1	53
WILSON	2330	212	140	204	176	185	98	100	107	83	25	91	25	122	4	0	52
HAWKEYE	SX81	229	148	227	189	202	106	106	119	84	21	92	21	121	4	0	54
CARGILL	8327	214	147	204	181	189	99	105	107	83	23	92	22	124	6	0	54
FTEX	96118A	244	--	--	--	--	113	--	--	--	--	92	22	115	2	1	52
STAUFFER	X270	213	--	--	--	--	99	--	--	--	--	92	22	116	0	0	52
WILSON	E5379	216	--	--	--	--	100	--	--	--	--	92	23	118	1	0	52
PATRIOT	2250	217	--	--	--	--	100	--	--	--	--	92	24	111	6	1	51
PATRIOT	7170	215	--	--	--	--	100	--	--	--	--	93	22	118	2	0	53
STAUFFER	2787	196	--	--	--	--	91	--	--	--	--	93	22	102	2	0	53
PATRIOT	7192	230	--	--	--	--	107	--	--	--	--	93	25	121	15	0	54
AGRIPRO	HS 9843	208	--	189	--	--	97	--	99	--	--	94	22	114	2	0	53
MYCOGEN	8460	206	131	--	168	--	96	93	--	85	26	94	24	117	17	0	51
NORTHROP KING	N7989	183	132	--	157	--	85	94	--	85	22	95	22	100	3	0	54
WILSON	2335	225	--	--	--	--	104	--	--	--	--	95	26	122	4	0	51
AVERAGES		216	140	191	178	182	216	140	191	81	22	88	21	115	4	0	54
CV(%)		7	9	9	--	--	7	9	9	--	--	2	3	6	117	213	1
LSD(0.05)**		18	17	25	--	--	8	12	13	--	--	2	1	8	5	NS	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTHEASTERN KANSAS STANDARD CORN TEST ON SILTY CLAY LOAM SOIL

COUNTY: BROWN

LOCATION: Cornbelt Experiment Field, Powhattan

TEST SITE: Grundy silty clay loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 120 N 0 P2O5 0 K2O

PLANTING DATE: 4/20/96

HARVEST DATE: 10/15/96

COOPERATORS:

Brian Marsh, agronomist; Steve Milne and David Zeit, technicians

TARGET POPULATION: 20,000 plants/acre,
10.5 in. spacing

STAND (% of target): 99

YIELD: Average (bu/a): 162

Range (bu/a): 138 - 182

LSD (bu/a): 13

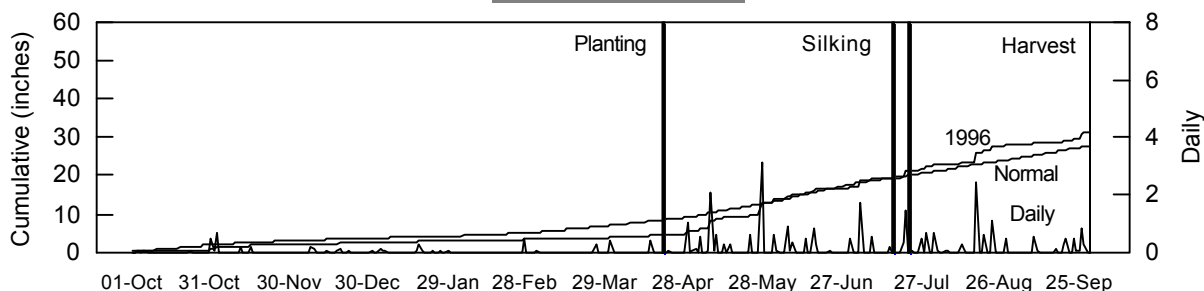
CV (%): 9

SILK DATES: 7/12/96 - 7/20/96

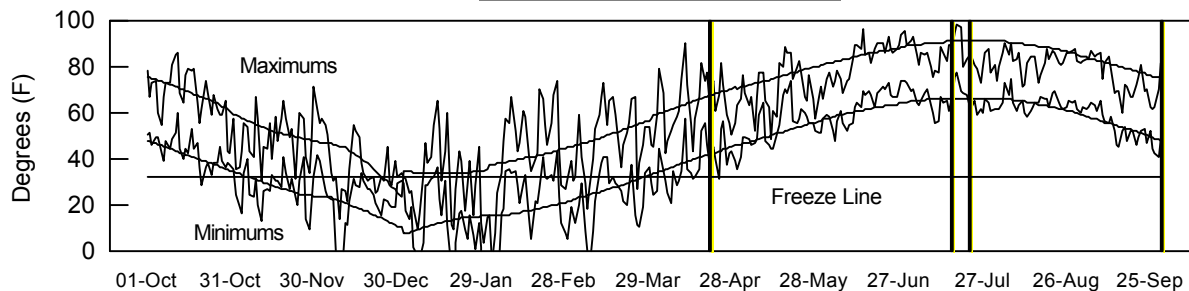
1996 GROWING CONDITONS:

The test was planted no-till into soybean stubble to facilitate timely planting. Growing conditons were very favorable for most of the season, resulting in very good yields.

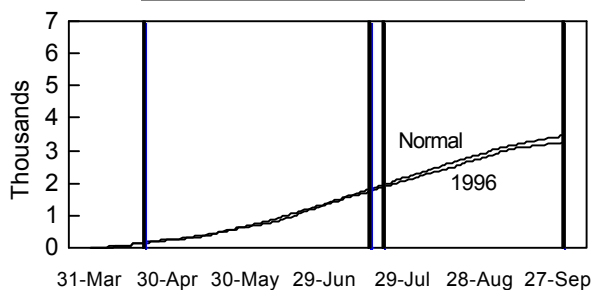
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	1.8	2.4	51	53	236	242
May	7.7	3.7	63	64	401	427
June	3.9	4.8	74	74	713	718
July	5.4	3.3	75	79	778	835
August	5.5	3.3	74	77	709	748
Sept.	3.1	3.5	65	67	455	518
Season Totals	27.4	20.9	67	69	3291	3487

TABLE 2. BROWN CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			95-96		1996				
		1996	1995	1994	2-Yr. AVG.	3-Yr. AVG.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
		MATURITY CHECK	SHORT-C4327	144	84	117	114	115	89	108	95	69	20	83	17	98
MYCOGEN	7250	163	--	--	--	--	101	--	--	--	--	83	20	93	0	54
DEKALB	DK580	157	--	--	--	--	97	--	--	--	--	84	17	86	1	54
MATURITY CHECK	MID-H-2530	157	84	111	120	117	97	107	90	72	22	84	17	97	0	53
BO-JAC	438	138	76	112	107	108	85	97	90	71	22	84	18	91	0	55
GARST	8541	157	81	--	119	--	97	104	--	71	23	84	18	98	0	54
PFISTER	2650	164	80	--	122	--	101	103	--	71	22	84	18	99	0	55
PIONEER	3489	163	--	--	--	--	101	--	--	--	--	84	18	107	0	54
TRIUMPH	1220	156	--	--	--	--	97	--	--	--	--	84	18	107	0	54
GOLDEN HARVEST	H-2547	168	61	--	114	--	104	78	--	72	23	84	19	99	0	55
MSG	O 331	156	77	--	116	--	96	99	--	72	25	84	20	92	2	55
CARGILL	7997	167	81	131	124	126	103	104	106	73	26	84	21	102	0	55
TRIUMPH	1514	171	--	--	--	--	106	--	--	--	--	85	18	95	0	54
AGRIPRO	AP 619	161	--	--	--	--	99	--	--	--	--	85	19	97	0	54
PFISTER	3049	159	--	--	--	--	99	--	--	--	--	85	19	94	0	54
PIONEER	3279	156	91	124	124	124	97	117	100	72	23	85	19	104	0	56
TRIUMPH	1522	166	--	--	--	--	102	--	--	--	--	85	21	99	0	54
FONTANELLE	6340	155	90	137	123	128	96	116	111	73	27	85	24	95	0	55
DEKALB	DK591	155	90	115	123	120	96	116	93	72	20	86	17	92	0	53
DEKALB	DK626	173	79	--	126	--	107	102	--	74	26	86	19	107	0	53
FONTANELLE	5676	154	--	--	--	--	95	--	--	--	--	86	19	90	0	53
PATRIOT	7158	160	--	--	--	--	99	--	--	--	--	86	19	98	1	53
BO-JAC	580	155	--	--	--	--	96	--	--	--	--	86	20	93	0	54
GOLDEN HARVEST	H-2581	176	76	--	126	--	109	98	--	73	23	86	20	102	0	54
NK	N7590	158	89	--	123	--	97	115	--	73	25	86	20	94	0	54
NORTHROP KING	X7675CBR	158	--	--	--	--	98	--	--	--	--	86	21	93	0	53
CARGILL	7777	179	84	131	132	131	111	109	106	73	26	86	22	110	0	56
MATURITY CHECK	F-B73 X N204	149	71	--	110	--	92	91	--	73	28	86	24	95	1	55
BO-JAC	415	171	--	--	--	--	106	--	--	--	--	87	18	101	0	54
DEKALB	DK641	173	--	--	--	--	107	--	--	--	--	87	20	102	0	54
GARST	EXP N3241	153	--	--	--	--	95	--	--	--	--	87	23	103	0	54
MATURITY CHECK	FB73rhmxMO17	156	71	--	114	--	97	92	--	76	27	87	23	104	1	53
PATRIOT	6168	164	--	--	--	--	102	--	--	--	--	87	23	99	0	54
PIONEER	3231	153	--	--	--	--	94	--	--	--	--	87	23	82	0	56
HAWKEYE	8981	169	77	137	123	127	104	99	110	74	26	88	21	106	0	54
HAWKEYE	SX81	182	76	--	129	--	113	98	--	75	26	88	22	103	0	54
PATRIOT	2250	176	--	--	--	--	109	--	--	--	--	88	25	104	1	54

(continued)

TABLE 2. BROWN CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
					AVG.	AVG.	1996	1995	1994							
BO-JAC	614	156	--	--	--	--	97	--	--	--	--	89	22	104	0	52
CARGILL	8327	163	84	138	123	128	101	108	112	75	26	89	22	98	0	54
LEWIS	6294	173	89	--	131	--	107	115	--	77	26	89	22	101	2	54
LEWIS	8492	165	81	140	123	129	102	104	113	76	26	89	22	99	0	54
PATRIOT	7170	175	--	--	--	--	108	--	--	--	--	89	22	110	0	53
BO-JAC	605	149	--	--	--	--	92	--	--	--	--	90	22	108	0	54
GOLDEN HARVEST	H-2641	164	75	138	119	126	102	96	111	76	26	90	22	108	0	54
NC+	6959	166	--	--	--	--	103	--	--	--	--	90	22	104	1	54
NORTHROP KING	N7989	144	73	--	108	--	89	94	--	77	27	90	22	89	0	55
MYCOGEN	8460	175	67	--	121	--	108	87	--	76	27	90	23	98	0	53
NC+	7117	160	70	--	115	--	99	90	--	77	28	90	23	100	0	55
AVERAGES		162	78	124	120	121	162	78	124	73	25	86	20	99	0	54
CV(%)		9	12	6	--	--	9	12	6	--	--	2	4	9	295	1
LSD(0.05)**		13	14	11	--	--	8	18	9	--	--	2	1	9	1	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTHEASTERN KANSAS STANDARD CORN TEST ON SILT LOAM SOIL

COUNTY: RILEY

LOCATION: Agronomy North Farm near Manhattan

TEST SITE: Reading silt loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 100 N 0 P2O5 0 K2O

PLANTING DATE: 4/18/96

HARVEST DATE: 9/23/96

COOPERATORS:

Kraig Roozeboom, agronomist; Karl Mannschreck, superintendent

TARGET POPULATION: 20,000 plants/acre,
10.5 in. spacing

STAND (% of target): 122

YIELD: Average (bu/a): 152

Range (bu/a): 147 - 166

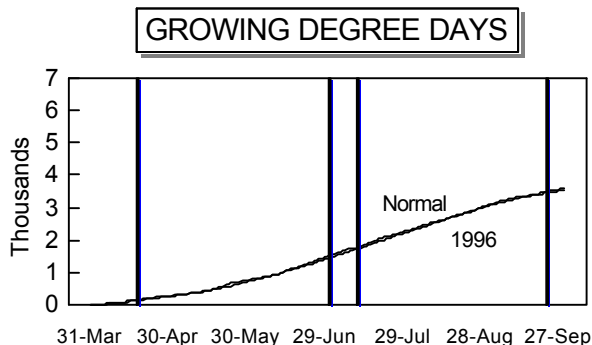
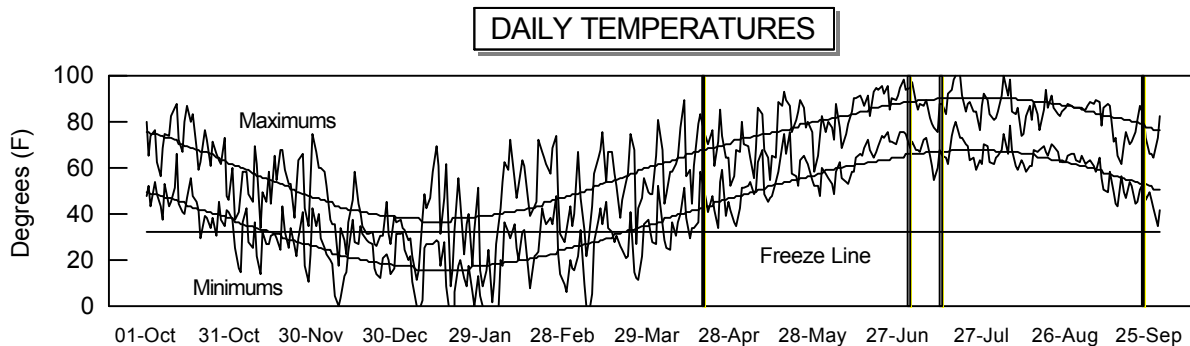
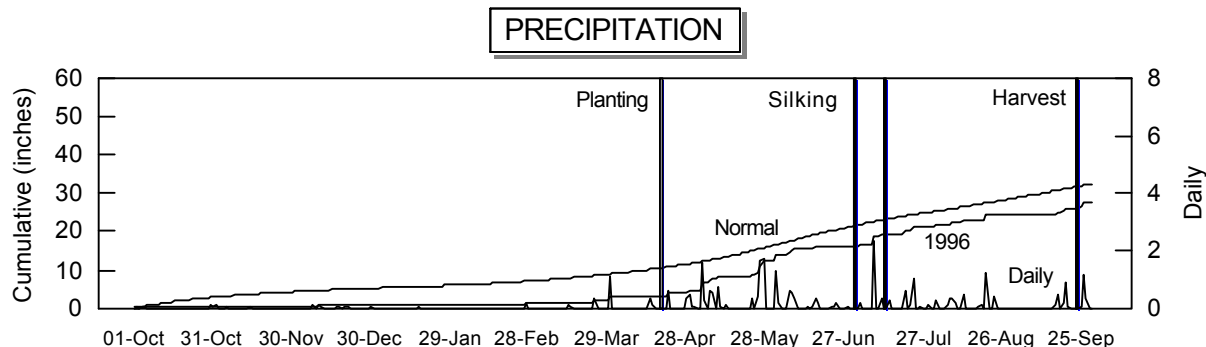
LSD (bu/a): NS

CV (%): 7

SILK DATES: 7/2/96 - 7/11/96

1996 GROWING CONDITONS:

Good moisture at planting resulted in generally good stands. Ideal growing conditions prevailed for most of the season. A wind storm on July 8 when the corn was silking caused most of the root lodging noted in the table.



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	1.8	2.8	53	54	266	259
May	8.0	4.5	66	65	479	447
June	3.8	5.3	76	74	751	723
July	5.1	3.8	78	79	832	853
August	3.2	3.4	76	77	750	768
Sept.	3.2	3.8	65	69	487	567
Season Totals	25.0	23.5	69	70	3565	3615

TABLE 3. RILEY CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST			95-96		1996					
		1996	1995	1994	2-Yr.	3-Yr.	AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Rt Ldg %	Test Wt. lb/bu
					AVG.	AVG.	1996	1995	1994								
MATURITY CHECK	SHORT-C4327	147	130	151	139	143	97	89	100	80	16	75	16	121	0	31	56
BO-JAC	438	153	144	157	149	152	101	99	104	81	16	77	16	115	2	19	57
DEKALB	DK591	150	149	158	149	152	98	103	105	82	16	77	16	117	1	24	57
BO-JAC	580	155	--	--	--	--	102	--	--	--	--	78	17	124	4	22	56
MATURITY CHECK	MID-H-2530	147	140	163	144	150	96	96	108	82	16	79	17	118	3	32	54
MATURITY CHECK	F-B73 X N204	147	123	--	135	--	97	84	--	83	19	79	18	122	2	48	56
MSG	O 331	166	177	--	171	--	109	122	--	83	18	79	18	117	1	35	57
NK	N7590	152	143	--	148	--	100	99	--	83	19	79	19	122	1	34	55
CIBA	4494	165	150	--	157	--	109	103	--	83	16	80	16	127	3	12	57
DEKALB	DK626	159	153	--	156	--	104	106	--	83	16	80	16	124	0	37	57
CARGILL	7777	156	150	186	153	164	102	103	123	83	18	80	18	124	0	28	56
BO-JAC	415	150	--	--	--	--	99	--	--	--	--	81	17	123	1	37	56
FTEX	96117A	155	--	--	--	--	102	--	--	--	--	81	17	113	0	26	55
MATURITY CHECK	FB73rhmXMO17	144	146	--	145	--	95	101	--	84	19	81	19	123	1	60	55
CIBA	4575	150	--	--	--	--	98	--	--	--	--	82	19	122	1	37	55
BO-JAC	614	147	--	--	--	--	97	--	--	--	--	83	18	118	1	30	54
BO-JAC	605	147	--	--	--	--	96	--	--	--	--	83	18	123	1	24	55
NK	4662	146	--	--	--	--	96	--	--	--	--	83	19	125	2	27	55
FTEX	96118A	151	--	--	--	--	99	--	--	--	--	84	19	123	0	28	54
MYCOGEN	7885	158	148	--	153	--	104	102	--	87	19	84	19	127	1	13	53
NORTHROP KING	N8020	153	--	--	--	--	101	--	--	--	--	84	20	125	0	14	55
AVERAGES		152	145	151	149	150	152	145	151	83	18	80	18	122	1	29	55
CV(%)		7	8	9	--	--	8	8	9	--	--	1	4	4	110	41	2
LSD(0.05)**		NS	12	20	--	--	NS	8	13	--	--	1	1	6	2	14	2

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

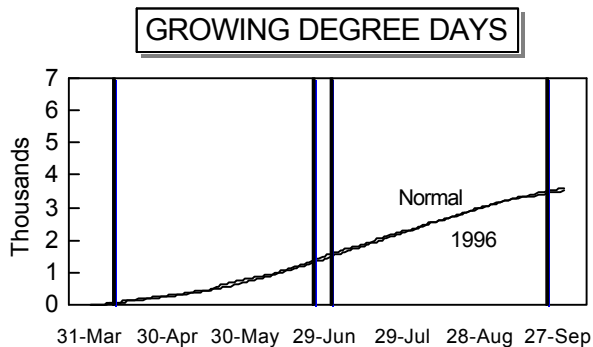
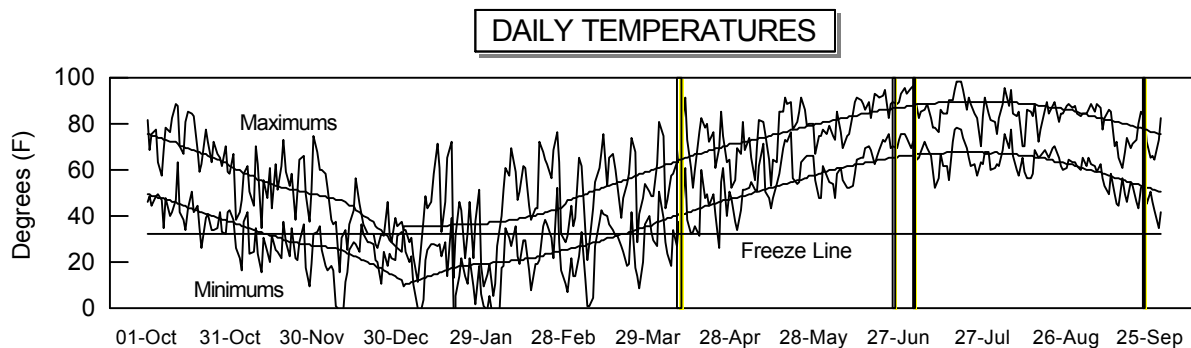
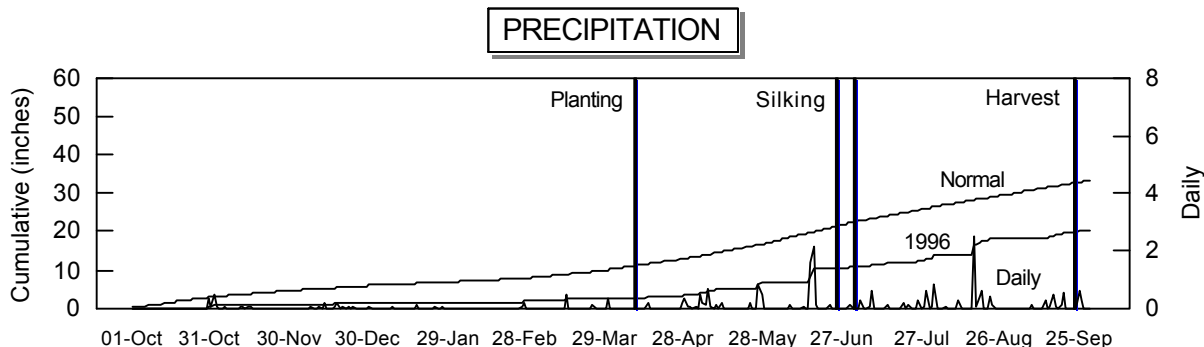
EAST CENTRAL KANSAS STANDARD CORN TEST ON SILTY CLAY LOAM

COUNTY: SHAWNEE
LOCATION: Foster farm 5 miles north of Rossville
TEST SITE: Wabash silty clay loam
1995 CROP: Soybeans
1994 CROP: Corn
FERTILIZER (lbs/acre): 125 N 0 P2O5 0 K2O
PLANTING DATE: 4/9/96
HARVEST DATE: 9/23/96
COOPERATORS:

TARGET POPULATION: 20,000 plants/acre,
 10.5 in. spacing
STAND (% of target): 96
YIELD: Average (bu/a): 163
Range (bu/a): 129 - 191
LSD (bu/a): 14
CV (%): 7
SILK DATES: 6/27/96 - 6/30/96
1996 GROWING CONDITONS:

Good moisture at planting enabled adequate stands even though April rainfall was below normal. Good rainfall in May and June provided good moisture through silking. Conditions were relatively dry and cool from mid-July through August.

Larry Maddux, agronomist; Richard Fangmand and William Riley, technicians



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	0.7	3.2	53	55	289	259
May	3.1	3.9	67	65	512	450
June	4.2	5.3	75	74	735	737
July	2.3	4.0	76	79	803	855
August	5.1	3.6	75	77	722	769
Sept.	2.3	3.4	65	68	478	550
Season Totals	17.8	23.4	69	70	3538	3620

TABLE 4. SHAWNEE CO. DRYLAND CORN PERFORMANCE TEST RESULTS, 1993-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST			94,96		1996				
		1996	1994	1993	2-Yr.	3-Yr.	AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Stlk Ldg %	Test Wt. lb/bu
					AVG.	AVG.	1996	1994	1993							
MATURITY CHECK	SHORT-C4327	129	--	98	--	--	79	--	104	80	--	78	15	95	4	57
DEKALB	DK591	150	--	122	--	--	92	--	129	82	--	80	16	91	1	57
PIONEER	3489	164	--	--	--	--	100	--	--	--	--	81	16	91	1	56
GOLDEN HARVEST	H-2581	173	--	--	--	--	106	--	--	--	--	81	17	95	2	57
MATURITY CHECK	FB73rhmxMO17	169	--	--	--	--	104	--	--	--	--	81	17	93	2	56
PREMIUM SEED	P234	168	--	--	--	--	103	--	--	--	--	81	17	88	1	57
CARGILL	7777	173	152	--	163	--	106	112	--	83	18	81	18	106	1	57
MATURITY CHECK	F-B73 X N204	147	--	--	--	--	90	--	--	--	--	81	18	95	0	58
PIONEER	3231	166	--	--	--	--	102	--	--	--	--	81	19	113	0	59
DEKALB	DK626	175	162	--	169	--	107	119	--	83	15	82	16	90	1	55
MATURITY CHECK	MID-H-2530	141	73	--	107	--	86	54	--	83	14	82	16	93	1	56
PIONEER	3223	191	--	--	--	--	117	--	--	--	--	82	17	98	2	57
CARGILL	7997	164	127	--	145	--	100	94	--	83	18	82	18	96	0	57
GOLDEN HARVEST	H-2641	176	--	--	--	--	108	--	--	--	--	82	18	97	0	58
AVERAGES		163	136	94	150	131	163	136	94	83	16	81	17	96	1	57
CV(%)		7	11	--	--	--	7	11	--	--	--	2	3	6	140	1
LSD(0.05)**		14	22	23	--	--	9	16	24	--	--	1	1	7	2	1

** Unless two varieties differ by more than the L.S.D., little confidence can be placed in one being superior to the other.

EAST CENTRAL KANSAS STANDARD CORN TEST ON SILT LOAM SOIL, IRRIGATED

COUNTY: SHAWNEE

LOCATION: Kansas River Valley Experiment Field, Rossville

TEST SITE: Eudora silt loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 162 N 35 P2O5 0 K2O

PLANTING DATE: 4/19/96

HARVEST DATE: 10/1/96

COOPERATORS:

Larry Maddux, agronomist; Richard Fangman and William Riley, technicians

TARGET POPULATION: 28,000 plants/acre,

7.5 in. spacing

STAND (% of target): 94

YIELD: Average (bu/a): 192

Range (bu/a): 166 - 211

LSD (bu/a): 16

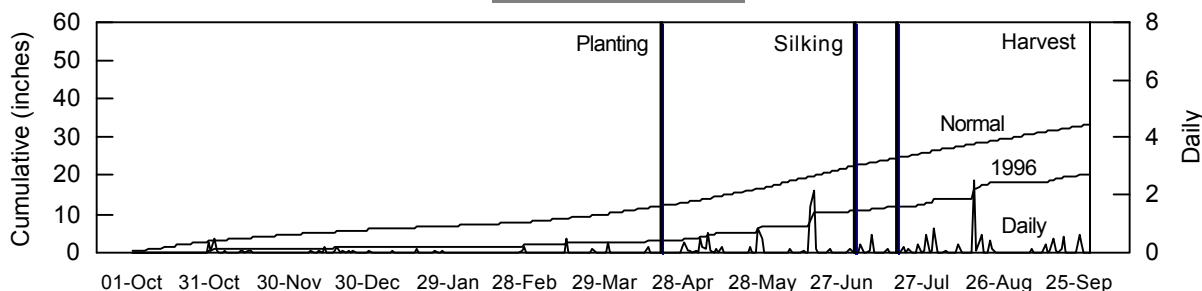
CV (%): 6

SILK DATES: 7/4/96 - 7/11/96

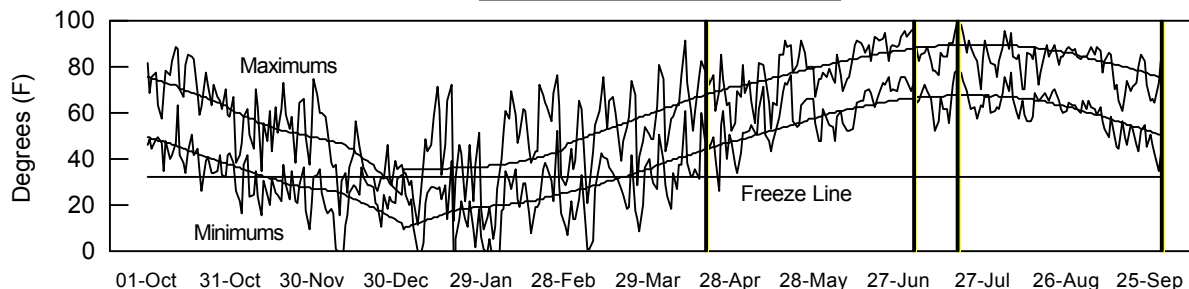
1996 GROWING CONDITONS:

Good emergence and early growth set the stage for high yields. Cool July temperatures slowed maturation. Gray leaf spot was noted late in the season.

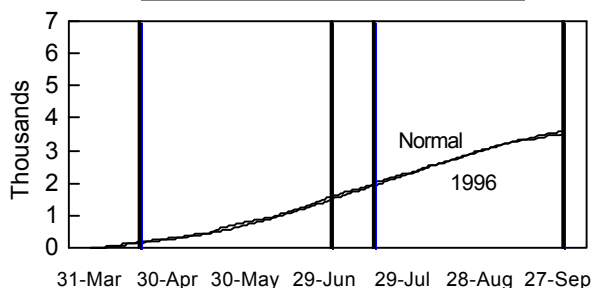
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	0.7	3.2	53	55	289	259
May	3.1	3.9	67	65	512	450
June	4.2	5.3	75	74	735	737
July	2.3	4.0	76	79	803	855
August	5.1	3.6	75	77	722	769
Sept.	2.3	3.4	65	68	478	550
Season Totals	17.8	23.4	69	70	3538	3620

TABLE 5. SHAWNEE CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1993-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			95-96		1996				
		1996	1995	1993	2-Yr.	3-Yr.	1996	1995	1993	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
					AVG.	AVG.										
MATURITY CHECK	SHORT-C4327	166	135	--	151	--	87	90	--	81	15	76	14	92	0	55
ASGROW	RX760	196	--	--	--	--	102	--	--	--	--	76	18	95	0	53
ASGROW	RX701	171	--	--	--	--	89	--	--	--	--	76	18	96	0	53
PFISTER	2650	204	--	--	--	--	107	--	--	--	--	77	14	96	0	55
MATURITY CHECK	MID-H-2530	177	120	--	148	--	92	80	--	83	17	78	17	97	0	54
DEKALB	DK641	207	--	--	--	--	108	--	--	--	--	78	18	95	0	54
ASGROW	RX770	180	159	--	169	--	94	106	--	83	19	79	18	94	0	54
CARGILL	7770	195	165	--	180	--	101	110	--	82	19	79	18	96	0	54
CIBA	4494	185	--	--	--	--	96	--	--	--	--	79	18	95	0	54
DEKALB	DK626	171	154	--	162	--	89	102	--	83	17	80	16	95	0	54
NK	N7590	194	161	--	178	--	101	107	--	83	18	80	16	95	0	53
PFISTER	3049	169	--	--	--	--	88	--	--	--	--	80	16	85	1	53
DEKALB	DK642	184	--	--	--	--	96	--	--	--	--	80	17	94	0	53
HOEGEMEYER	2693	197	142	--	170	--	103	94	--	83	18	80	17	91	0	55
MSG	O 331	194	159	--	176	--	101	106	--	83	19	80	18	95	0	55
NORTHROP KING	X7675CBR	201	--	--	--	--	105	--	--	--	--	80	18	94	0	53
PIONEER	3237	171	--	--	--	--	89	--	--	--	--	80	19	93	0	55
HOEGEMEYER	2689	192	158	173	175	175	100	105	112	84	20	80	20	97	0	56
ASGROW	RX790	183	--	--	--	--	95	--	--	--	--	81	18	91	0	54
FTEX	96117A	199	--	--	--	--	104	--	--	--	--	81	18	93	0	53
CARGILL	7777	208	167	--	187	--	108	111	--	83	20	81	19	94	0	55
MATURITY CHECK	FB73rhmxMO17	189	139	--	164	--	98	93	--	84	20	81	19	93	2	54
NK	4662	194	--	--	--	--	101	--	--	--	--	81	19	96	1	54
DELANGE	DS 1995	207	144	145	175	165	108	96	94	85	21	81	20	93	0	55
MATURITY CHECK	F-B73 X N204	173	134	--	154	--	90	89	--	84	21	81	20	93	4	54
MSG	G 8771	207	--	--	--	--	108	--	--	--	--	82	20	95	1	53
GARST	8281	194	168	--	181	--	101	112	--	86	19	83	18	97	0	54
HOEGEMEYER	2682	184	--	--	--	--	96	--	--	--	--	83	18	94	1	52
PIONEER	3223	216	--	--	--	--	113	--	--	--	--	83	19	98	1	54
CARGILL	8327	210	175	175	193	187	109	117	113	86	21	83	20	95	0	54
CIBA	4575	205	--	--	--	--	107	--	--	--	--	83	20	95	0	54
GARST	8285	200	--	--	--	--	104	--	--	--	--	83	20	95	0	54
PIONEER	3260	211	--	--	--	--	110	--	--	--	--	83	20	93	1	55
AVERAGES		192	150	154	171	166	102	105	112	83	19	80	18	94	0	54
CV(%)		6	8	--	--	--	6	8	--	--	--	2	6	3	179	2
LSD(0.05)**		16	19	19	--	--	9	13	12	--	--	2	2	4	1	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

EAST CENTRAL KANSAS STANDARD CORN TEST ON UPLAND SILT LOAM SOIL

COUNTY: FRANKLIN

LOCATION: East Central Kansas Experiment Field, Ottawa

TEST SITE: Woodson silt loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 70 N 0 P2O5 0 K2O

PLANTING DATE: 4/25/96

HARVEST DATE: 10/4/96

COOPERATORS:

Keith Janssen, agronomist; Edwin Horstick, technician

TARGET POPULATION: 18,200 plants/acre,

11.5 in. spacing

STAND (% of target): 104

YIELD: Average (bu/a): 155

Range (bu/a): 128 - 179

LSD (bu/a): 15

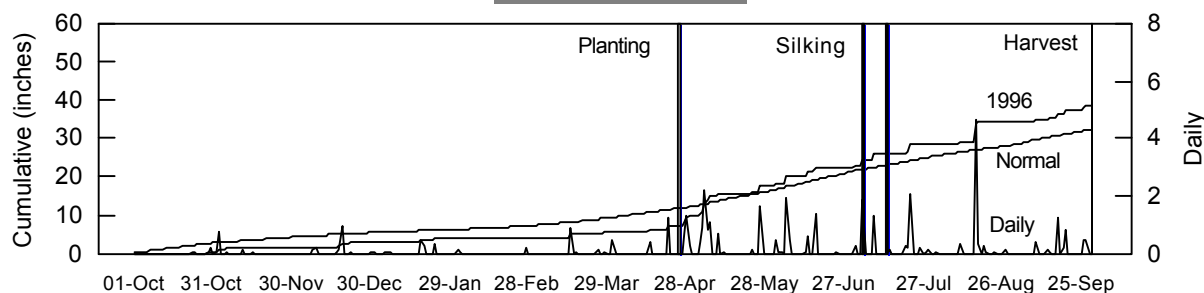
CV (%): 8

SILK DATES: 7/4/96 - 7/13/96

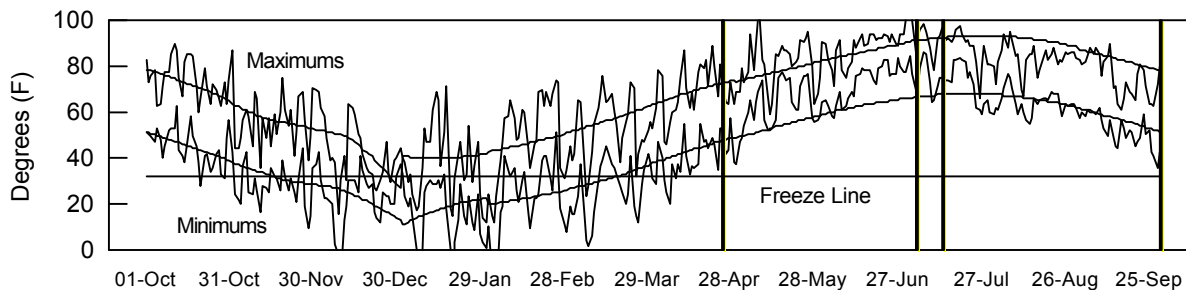
1996 GROWING CONDITONS:

Favorable conditions enabled good stands and early growth. Timely rains through the growing season limited moisture stress.

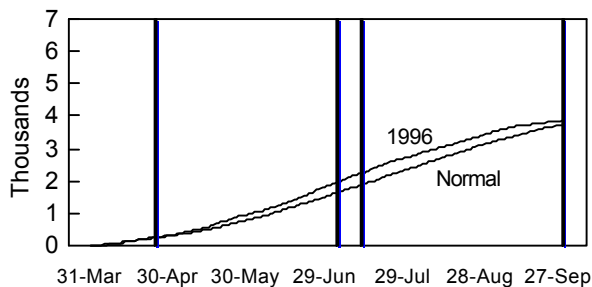
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	4.3	3.0	55	57	312	300
May	7.9	4.1	72	66	647	485
June	5.1	5.0	81	75	884	750
July	6.3	3.9	82	80	924	859
August	5.8	3.1	74	79	708	774
Sept.	3.7	4.1	64	70	442	597
Season Totals	33.0	23.3	71	71	3916	3765

TABLE 6. FRANKLIN CO. CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS						YIELD AS % OF TEST			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	AVERAGE	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
					AVG.	AVG.											
MATURITY CHECK	SHORT-C4327	128	75	111	101	105	83	73	83	61	16	70	16	105	0	56	
PFISTER	2650	156	--	--	--	--	101	--	--	--	--	71	16	103	0	56	
BO-JAC	438	128	102	--	115	--	83	98	--	63	16	72	16	89	0	56	
MATURITY CHECK	MID-H-2530	146	105	134	126	128	94	102	99	63	17	72	16	104	0	55	
DEKALB	DK626	155	114	--	134	--	100	110	--	63	17	72	17	106	0	55	
PIONEER	3394	165	112	147	138	141	107	109	109	63	17	72	17	108	0	58	
BO-JAC	580	149	--	--	--	--	96	--	--	--	--	72	18	104	0	57	
CARGILL	7997	151	135	134	143	140	97	131	99	63	17	72	18	107	1	56	
MSG	O 331	158	122	151	140	144	102	118	112	64	18	72	18	95	0	56	
NK	N7333	148	129	142	139	140	96	125	105	63	18	72	18	106	0	57	
NK	N7590	154	122	--	138	--	99	119	--	63	18	72	18	104	0	55	
PFISTER	3049	157	--	--	--	--	102	--	--	--	--	72	18	99	0	55	
DEKALB	DK641	161	--	--	--	--	104	--	--	--	--	72	19	104	1	55	
NORTHROP KING	X7375CBR	156	--	--	--	--	101	--	--	--	--	72	19	103	0	56	
MATURITY CHECK	F-B73 X N204	133	71	--	102	--	86	69	--	64	19	72	20	92	0	55	
MATURITY CHECK	FB73rhmxMO17	147	80	--	113	--	95	77	--	64	20	72	20	98	0	54	
BO-JAC	415	166	--	--	--	--	107	--	--	--	--	73	17	108	0	54	
NC+	5037	159	118	--	138	--	103	115	--	65	17	73	17	107	1	55	
HOEGEMEYER	2693	159	94	--	127	--	103	92	--	64	19	73	18	106	0	56	
NORTHROP KING	X7675CBR	153	--	--	--	--	99	--	--	--	--	73	18	101	0	56	
CARGILL	7770	165	--	--	--	--	107	--	--	--	--	73	19	106	0	55	
GOLDEN HARVEST	H-2581	164	105	--	135	--	106	102	--	65	19	73	19	110	0	55	
HOEGEMEYER	2689	151	83	--	117	--	98	80	--	65	19	73	19	105	0	56	
MYCOGEN	7250	156	--	--	--	--	101	--	--	--	--	73	19	108	0	55	
TRIUMPH	1522	154	132	--	143	--	100	128	--	64	18	73	19	103	0	56	
NC+	5445	168	--	--	--	--	109	--	--	--	--	74	19	109	0	54	
PIONEER	3260	160	--	--	--	--	104	--	--	--	--	74	19	103	1	57	
GARST	EXP N3241	157	--	--	--	--	102	--	--	--	--	74	20	110	0	55	
LEWIS	6294	175	--	--	--	--	113	--	--	--	--	76	19	110	0	55	
TRIUMPH	2010	159	--	125	--	--	103	--	93	--	--	76	19	108	1	54	
HOEGEMEYER	2730	156	--	--	--	--	101	--	--	--	--	76	20	98	0	52	
LEWIS	8356	152	--	--	--	--	98	--	--	--	--	76	20	106	0	53	
DEKALB	DK668	134	109	--	122	--	87	106	--	67	19	77	19	98	0	55	
NORTHROP KING	N8020	153	--	--	--	--	99	--	--	--	--	77	19	103	0	55	
PIONEER	3223	167	--	--	--	--	108	--	--	--	--	77	19	110	1	56	
MSG	G 8620	179	--	--	--	--	116	--	--	--	--	78	19	107	0	55	
CARGILL	8327	152	117	125	134	131	98	113	93	68	20	78	20	108	0	54	
DELANGE	DS 1995	149	77	135	113	120	96	75	100	69	20	78	20	103	0	55	
GOLDEN HARVEST	H-2641	161	103	--	132	--	104	100	--	67	20	78	20	108	0	55	
MSG	G 8771	158	--	--	--	--	102	--	--	--	--	78	20	107	0	53	
MYCOGEN	8460	143	--	--	--	--	93	--	--	--	--	79	21	104	0	52	
AVERAGES		155	103	135	129	131	155	103	135	65	19	74	19	104	0	55	
CV(%)		8	10	8	--	--	8	10	8	--	--	1	3	6	332	1	
LSD(0.05)**		15	21	14	--	--	10	21	10	--	--	1	1	7	NS	1	

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

SOUTHEASTERN KANSAS STANDARD CORN TEST ON RIVER-BOTTOM SOIL

COUNTY: NEOSHO

LOCATION: Private farm south of Erie

TEST SITE: Lanton silt loam

1995 CROP: Fallow (flood)

1994 CROP: Soybeans

FERTILIZER (lbs/acre): 160 N 0 P2O5 0 K2O

PLANTING DATE: 4/10/96

HARVEST DATE: 9/12/96

COOPERATORS:

James Long, agronomist

TARGET POPULATION: 24,000 plants/acre,

8.7 in. spacing

STAND (% of target): 103

YIELD: Average (bu/a): 176

Range (bu/a): 152 - 202

LSD (bu/a): 16

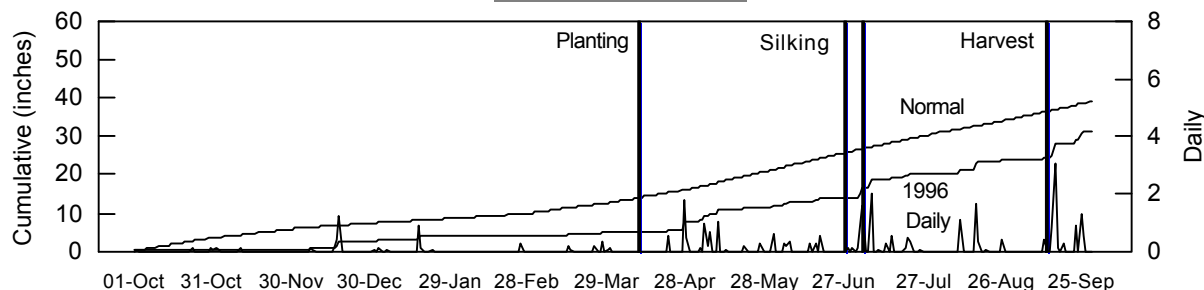
CV (%): 8

SILK DATES: 6/27/96 - 7/3/96

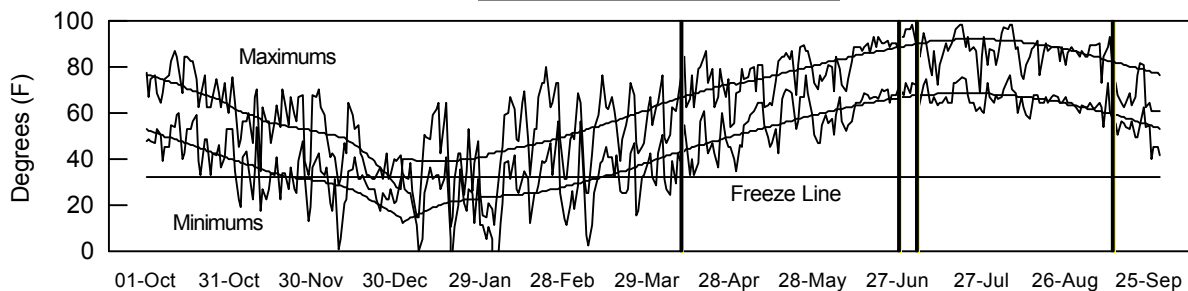
1996 GROWING CONDITONS:

Rainfall immediately following planting caused some uneven emergence, but early season growth was generally good. Excellent growing conditions combined with the deep, river-bottom soils resulted in high yields. Some corn borer damage below the ear caused scattered lodging. However, most lodging was due to weak stalks and wind damage.

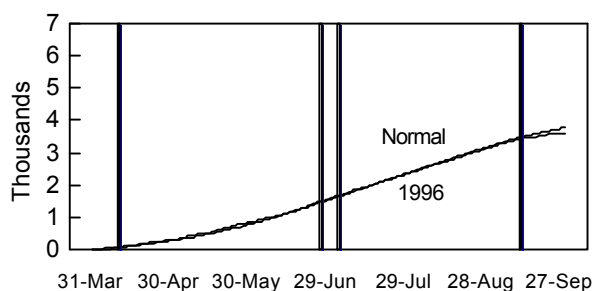
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.8	3.7	55	57	300	289
May	3.4	4.8	68	66	551	491
June	2.6	5.1	75	75	724	761
July	6.3	4.5	78	80	831	873
August	3.5	3.9	77	78	760	785
Sept.	7.2	4.5	66	70	480	605
Season Totals	25.9	26.4	70	71	3644	3804

TABLE 7. NEOSHO CO. CORN PERFORMANCE TEST RESULTS, 1993-1996.

BRAND	NAME	ACRE YIELD, BUSHEL						YIELD AS % OF TEST AVERAGE			94,96		1996				
		1996	1994	1993	2-Yr. 3-Yr.		1996	1994	1993	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Drop. Ears %	Test Wt. lb/bu
					AVG.	AVG.											
MATURITY CHECK	SHORT-C4327	152	107	--	129	--	86	58	--	66	14	78	14	102	0	0	58
MYCOGEN	7250	187	--	--	--	--	106	--	--	--	--	78	16	99	2	1	56
DEKALB	DK626	161	--	--	--	--	91	--	--	--	--	80	14	100	2	0	58
MATURITY CHECK	MID-H-2530	157	167	--	162	--	89	90	--	67	14	80	14	106	2	0	58
TERRA	TR1087	158	--	--	--	--	90	--	--	--	--	80	14	104	0	0	58
TERRA	TR1106	161	--	--	--	--	91	--	--	--	--	80	14	100	0	1	59
AGRIPRO	AP 9565	174	--	--	--	--	99	--	--	--	--	80	15	105	0	0	57
PIONEER	3394	180	207	--	193	--	103	112	--	68	15	80	15	108	0	0	58
TRIUMPH	1452	167	192	113	179	157	95	104	102	69	15	80	15	97	1	0	58
CARGILL	7997	175	164	132	170	157	99	89	119	68	15	80	16	103	2	0	58
DEKALB	DK641	199	--	--	--	--	113	--	--	--	--	80	16	109	0	0	58
GARST	8325	185	--	--	--	--	105	--	--	--	--	80	16	101	1	1	57
MATURITY CHECK	FB73rhmxMO17	196	--	--	--	--	111	--	--	--	--	80	16	100	0	0	57
NK	N7590	165	--	--	--	--	94	--	--	--	--	80	16	96	1	1	57
TRIUMPH	1522	179	--	--	--	--	102	--	--	--	--	80	16	102	1	0	58
CARGILL	7770	163	--	--	--	--	93	--	--	--	--	80	17	104	3	1	58
MATURITY CHECK	F-B73 X N204	167	--	--	--	--	95	--	--	--	--	80	17	101	0	0	58
TRIUMPH	2010	181	192	--	187	--	103	104	--	70	17	80	17	103	1	0	58
GOLDEN HARVEST	H-2581	170	--	--	--	--	97	--	--	--	--	81	15	105	1	1	57
AGRIPRO	HS 9843	170	195	--	183	--	97	106	--	70	16	81	16	103	0	1	57
GARST	8314	174	--	--	--	--	99	--	--	--	--	81	16	105	1	0	58
TERRA	TR 1167	164	215	117	190	165	93	116	105	70	16	81	16	104	0	0	57
TERRA	TR1157	183	--	--	--	--	104	--	--	--	--	81	17	102	1	0	56
PIONEER	3223	202	--	--	--	--	115	--	--	--	--	82	15	101	0	0	59
CARGILL	8327	185	203	118	194	169	105	110	106	71	16	82	16	104	1	0	57
DELANGE	DS 1995	184	219	117	202	173	105	118	105	72	16	82	16	111	1	0	59
NC+	5445	162	--	--	--	--	92	--	--	--	--	82	16	102	1	0	57
GOLDEN HARVEST	H-2641	188	--	110	--	--	107	--	99	--	--	82	17	104	1	2	57
PIONEER	3260	187	--	--	--	--	106	--	--	--	--	82	17	94	4	3	58
MYCOGEN	2868	185	198	116	192	166	105	107	104	71	17	82	18	108	1	1	57
TERRA	TR1185	197	204	103	201	168	112	110	93	71	17	82	18	104	2	2	57
NORTHROP KING	N8020	167	--	--	--	--	95	--	--	--	--	83	17	102	6	0	57
NC+	6959	176	--	--	--	--	100	--	--	--	--	83	18	103	0	0	56
MYCOGEN	8460	193	--	--	--	--	109	--	--	--	--	84	19	104	5	2	55
AVERAGES		176	185	111	181	157	176	185	111	69	16	81	16	103	1	1	57
CV(%)		8	6	--	--	--	8	6	--	--	--	1	4	5	122	215	1
LSD(0.05)**		16	15	18	--	--	9	8	17	--	--	1	1	6	2	NS	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTH CENTRAL KANSAS STANDARD CORN TEST, DRYLAND

COUNTY: REPUBLIC

LOCATION: North Central Kansas Experiment Field, Belleville

TEST SITE: Crete silt loam

1995 CROP: Wheat

1994 CROP: Corn

FERTILIZER (lbs/acre): 180 N 30 P2O5 0 K2O

PLANTING DATE: 4/18/96

HARVEST DATE: 10/16/96

COOPERATORS:

Barney Gordon, agronomist; Michael Larson and Allan Milner, technicians

TARGET POPULATION: 19,000 plants/acre,
11.0 in. spacing

STAND (% of target): 111

YIELD: Average (bu/a): 154

Range (bu/a): 118 - 178

LSD (bu/a): 10

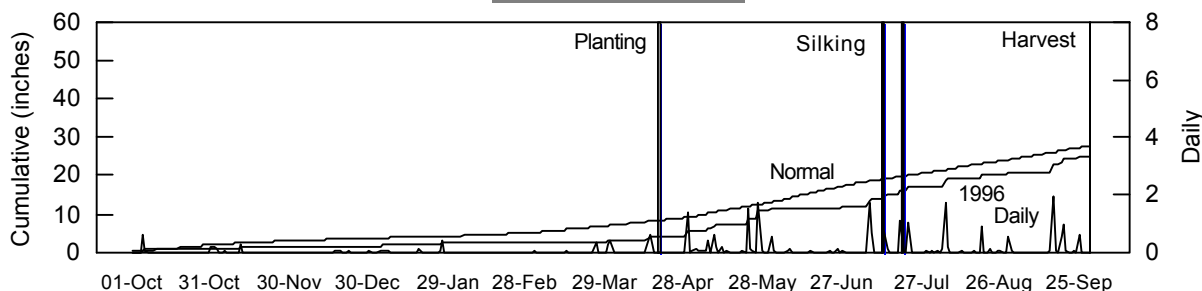
CV (%): 6

SILK DATES: 7/12/96 - 7/20/96

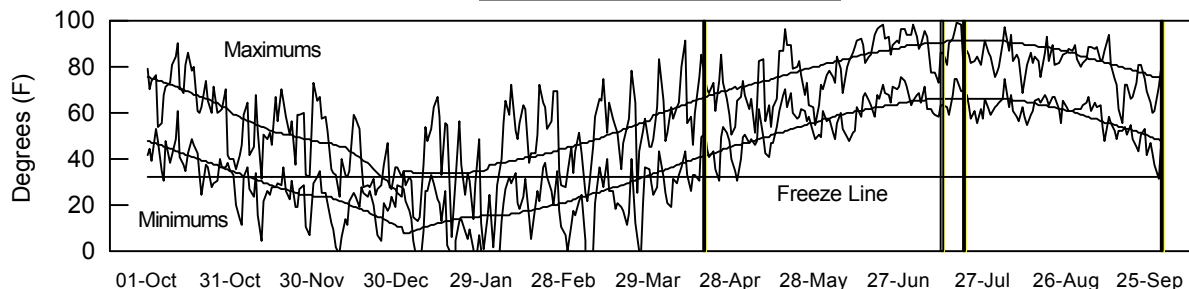
1996 GROWING CONDITONS:

Favorable planting conditions resulted in good stands. Initial dryness in April gave way to good precipitation in May. Dry conditions returned in June, but good rainfall in July and August helped the test produce outstanding dryland yields. Diseases and insects presented no problems.

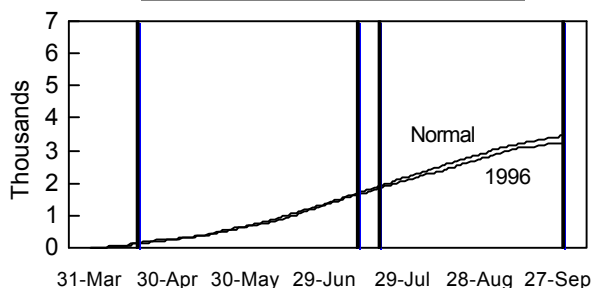
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.8	2.4	51	53	251	242
May	5.1	3.7	63	64	397	427
June	1.0	4.8	75	74	704	718
July	5.4	3.3	76	79	772	835
August	3.7	3.3	74	77	693	748
Sept.	4.1	3.5	64	67	458	518
Season Totals	22.1	20.9	67	69	3275	3487

TABLE 8. REPUBLIC CO. DRYLAND CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL			YIELD AS % OF TEST AVERAGE			95-96		1996			Test Wt. lb/bu		
		1996	1995	1994	2-Yr. AVG.	3-Yr. AVG.	1996	1995	1994	Days to Silk	Grain Moist. %	Days to Silk		Grain Moist. %	Final Stand %
DEKALB	DK566	141	--	--	--	--	92	--	--	--	--	85	17	111	56
PIONEER	3568	142	--	--	--	--	93	--	--	--	--	85	17	109	57
DEKALB	DK591	158	124	218	141	167	103	107	106	87	15	86	17	109	56
MATURITY CHECK	SHORT-C4327	118	99	196	108	138	77	85	95	88	16	86	18	108	56
PIONEER	3346	154	129	261	142	182	100	111	127	88	17	86	19	112	56
PIONEER	3563	166	122	--	144	--	108	105	--	89	16	87	18	110	57
CARGILL	7777	178	126	272	152	192	116	109	132	91	17	87	20	112	56
TRIUMPH	1220	157	--	--	--	--	102	--	--	--	--	88	18	109	57
MYCOGEN	2689	164	106	--	135	--	107	91	--	91	16	88	19	112	56
NK	N7590	164	117	--	140	--	107	101	--	91	17	88	19	110	56
TRIUMPH	1522	159	--	--	--	--	103	--	--	--	--	88	20	112	56
MILLER PREF.	MP-1123	142	--	--	--	--	92	--	--	--	--	89	18	113	56
NORTHRUP KING	X7675CBR	159	--	--	--	--	103	--	--	--	--	89	18	114	56
MATURITY CHECK	F-B73 X N204	154	109	--	131	--	100	94	--	92	18	89	20	112	56
MATURITY CHECK	MID-H-2530	153	121	197	137	157	100	104	96	92	15	91	17	112	57
TRIUMPH	1514	158	--	--	--	--	103	--	--	--	--	91	18	113	56
MATURITY CHECK	FB73rhmxMO17	138	95	--	116	--	90	82	--	94	18	91	19	111	56
AGRIPRO	AP 619	154	--	--	--	--	100	--	--	--	--	92	20	110	56
AGRIPRO	HS 9843	152	--	--	--	--	99	--	--	--	--	92	20	108	56
MILLER PREF.	MP-1161	161	131	--	146	--	105	113	--	96	18	93	20	110	56
AVERAGES		154	116	206	135	159	154	116	206	91	16	89	18	111	56
CV(%)		6	8	7	--	--	6	8	7	--	--	1	6	3	1
LSD(0.05)**		10	14	20	--	--	7	12	10	--	--	1	1	NS	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTH CENTRAL KANSAS STANDARD CORN TEST, IRRIGATED

COUNTY: REPUBLIC

LOCATION: Irrigation Experiment Field, Scandia

TEST SITE: Crete silt loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 200 N 30 P2O5 0 K2O

PLANTING DATE: 4/24/96

HARVEST DATE: 10/22/96

COOPERATORS:

Barney Gordon, agronomist; Michael Larson and Allan Milner, technicians

TARGET POPULATION: 28,000 plants/acre,
7.5 in. spacing

STAND (% of target): 131

YIELD: Average (bu/a): 186

Range (bu/a): 150 - 207

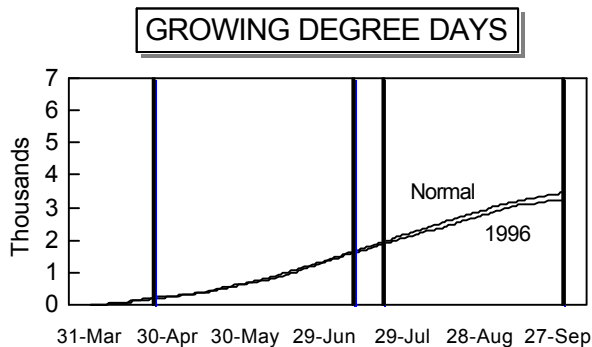
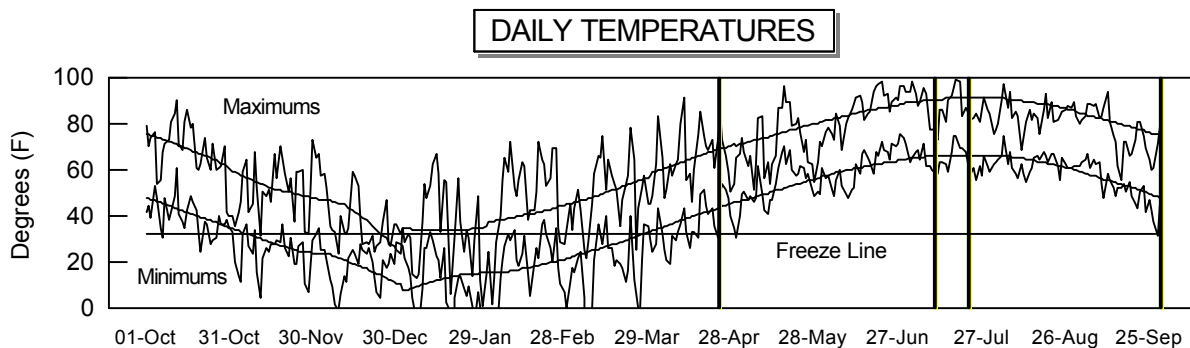
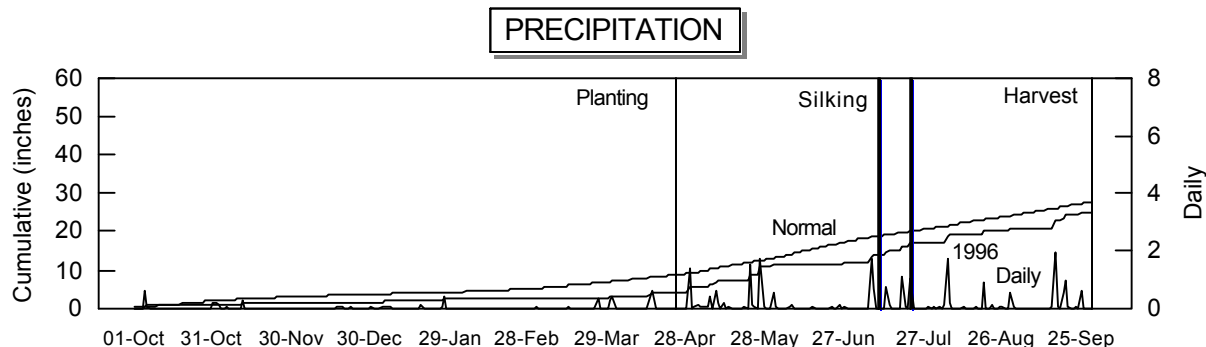
LSD (bu/a): 12

CV (%): 5

SILK DATES: 7/10/96 - 7/21/96

1996 GROWING CONDITONS:

Favorable planting conditions resulted in good stands. Initial dryness in April gave way to good precipitation in May. Diseases and insects presented no problems.



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.8	2.4	51	53	251	242
May	5.1	3.7	63	64	397	427
June	1.0	4.8	75	74	704	718
July	5.4	3.3	76	79	772	835
August	3.7	3.3	74	77	693	748
Sept.	4.1	3.5	64	67	458	518
Season Totals	22.1	20.9	67	69	3275	3487

TABLE 9. REPUBLIC CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS						YIELD AS % OF TEST			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	AVERAGE	1996	1995	1994	Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
					AVG.	AVG.											
MATURITY CHECK	SHORT-C4327	150	139	228	145	172	81	78	110	75	13	77	14	133	1	58	
MYCOGEN	7250	189	--	--	--	--	102	--	--	--	--	82	15	133	0	59	
PIONEER	3225	206	206	266	206	226	111	116	129	76	15	82	16	126	2	60	
DEKALB	DK591	200	169	247	184	205	108	95	119	78	13	83	14	128	1	58	
MSG	G 7711	186	198	--	192	--	100	111	--	78	14	83	14	141	0	59	
DEKALB	DK626	193	196	244	194	211	104	110	118	79	13	84	14	137	1	58	
HOEGEMEYER	2655	178	--	233	--	--	96	--	113	--	--	84	14	130	2	59	
MATURITY CHECK	MID-H-2530	166	171	236	168	191	89	96	114	79	13	84	14	134	0	59	
MILLER PREF.	MP-1123	183	--	--	--	--	99	--	--	--	--	84	14	123	1	59	
NK	N7590	192	165	220	179	192	104	93	106	79	14	84	14	128	1	58	
OTTLIE	2467	176	--	--	--	--	95	--	--	--	--	84	14	135	1	59	
AGRIPRO	AP 9565	179	--	--	--	--	96	--	--	--	--	84	15	136	1	59	
CARGILL	7997	186	162	229	174	192	100	91	110	79	14	84	15	126	2	59	
CARGILL	7777	207	198	224	202	210	112	111	108	78	14	84	15	143	1	60	
CARGILL	7770	192	--	--	--	--	104	--	--	--	--	84	15	138	0	60	
CIBA	4494	184	197	--	191	--	99	111	--	79	14	84	15	134	1	59	
DEKALB	DK641	193	--	--	--	--	104	--	--	--	--	84	15	134	1	59	
FONTANELLE	5335	177	--	--	--	--	95	--	--	--	--	84	15	133	0	60	
GARST	8342	196	--	--	--	--	106	--	--	--	--	84	15	132	0	59	
HAWKEYE	SX62	182	195	--	188	--	98	109	--	79	14	84	15	137	0	59	
MILLER PREF.	MP-1141	180	179	--	179	--	97	100	--	79	14	84	15	126	1	58	
MSG	O 331	183	195	225	189	201	99	109	109	79	14	84	15	128	2	59	
NK	N7333	188	--	237	--	--	102	--	115	--	--	84	15	134	0	60	
OTTLIE	5050	187	--	--	--	--	101	--	--	--	--	84	15	128	1	59	
MATURITY CHECK	FB73rhmxMO17	158	148	--	153	--	85	83	--	79	15	84	16	128	1	57	
KAYSTAR	KX - 777	197	195	--	196	--	106	110	--	79	14	85	14	143	1	59	
HOEGEMEYER	2693	180	162	--	171	--	97	91	--	79	15	85	15	135	1	60	
FONTANELLE	5676	181	--	--	--	--	98	--	--	--	--	86	15	116	2	59	
GARST	8325	198	--	--	--	--	106	--	--	--	--	86	15	130	1	58	
HOEGEMEYER	2682	179	--	--	--	--	96	--	--	--	--	86	15	130	1	58	
MSG	G 8511	181	--	--	--	--	97	--	--	--	--	86	15	126	1	59	
NK	4662	191	--	--	--	--	103	--	--	--	--	86	15	129	1	60	
NORTHROP KING	X7375CBR	195	--	--	--	--	105	--	--	--	--	86	15	128	0	59	
OTTLIE	5550	188	--	--	--	--	101	--	--	--	--	86	15	126	1	58	
OTTLIE	2482X	181	--	--	--	--	98	--	--	--	--	86	15	131	0	59	
PIONEER	3237	201	--	--	--	--	108	--	--	--	--	86	15	124	0	60	
DEKALB	DK715	202	201	242	202	215	109	113	117	80	16	86	16	129	1	58	
KAYSTAR	KX - 909	186	196	201	191	194	100	110	97	80	15	86	16	139	1	59	
PIONEER	3260	204	--	--	--	--	110	--	--	--	--	86	16	123	0	60	
MATURITY CHECK	F-B73 X N204	154	142	--	148	--	83	80	--	80	16	86	17	121	1	59	
CARGILL	8327	193	179	188	186	187	104	101	91	82	15	87	16	132	2	58	
MILLER PREF.	MP-1161	189	191	--	190	--	102	107	--	82	15	87	16	132	1	59	
MSG	G 8771	185	--	--	--	--	99	--	--	--	--	87	16	129	1	58	
MYCOGEN	2868	194	186	194	190	191	104	104	94	82	15	87	16	130	1	59	
MYCOGEN	8460	180	--	--	--	--	97	--	--	--	--	87	16	130	1	58	
CIBA	4575	169	184	--	177	--	91	103	--	82	15	88	16	138	0	59	
AVERAGES		186	178	207	182	190	186	178	207	80	14	85	15	131	1	59	
CV(%)		5	7	10	--	--	5	7	10	--	--	1	4	5	147	1	
LSD(0.05)**		12	18	28	--	--	6	10	14	--	--	1	1	8	NS	1	

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

SOUTH CENTRAL KANSAS STANDARD CORN TEST ON SANDY LOAM, IRRIGATED

COUNTY: STAFFORD

LOCATION: Sandyland Experiment Field, St. John

TEST SITE: Naron loamy fine sand

1995 CROP: Wheat

1994 CROP: Fallow

FERTILIZER (lbs/acre): 250 N 0 P2O5 0 K2O

PLANTING DATE: 4/23/96

HARVEST DATE: 10/1/96

COOPERATORS:

Victor Martin, agronomist; Jerry Dove and Yogi Behr, technicians

TARGET POPULATION: 28,000 plants/acre,

7.5 in. spacing

STAND (% of target): 122

YIELD: Average (bu/a): 188

Range (bu/a): 156 - 217

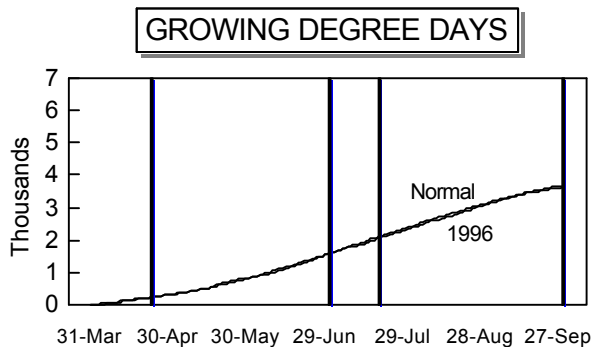
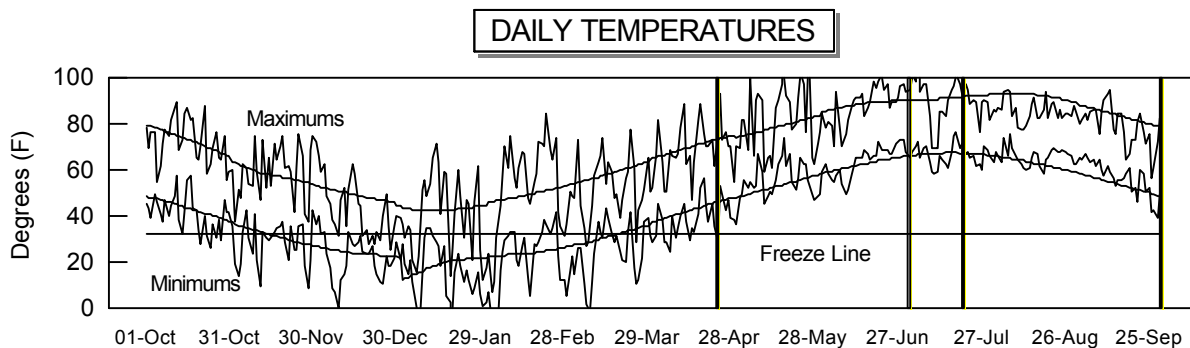
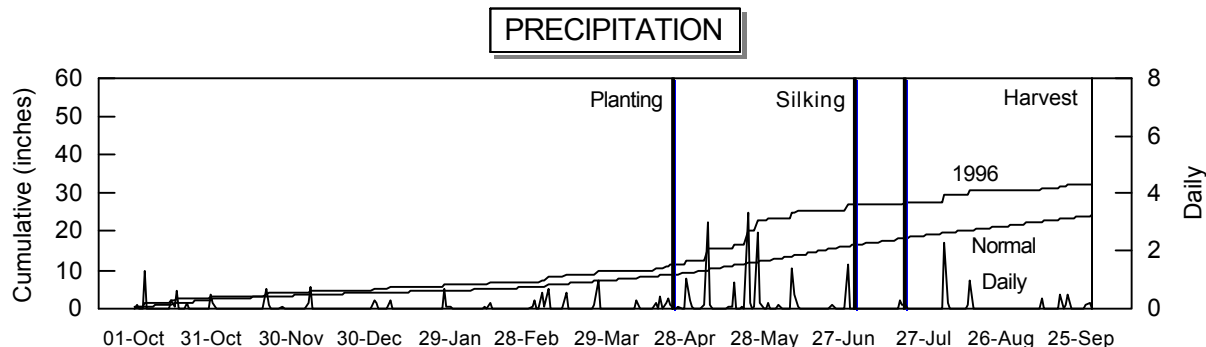
LSD (bu/a): 18

CV (%): 8

SILK DATES: 7/2/96 - 7/16/96

1996 GROWING CONDITONS:

No-till planting prevented early-season wind damage. Relatively mild summer conditions facilitated good yields, but not as high as might be expected.



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.9	2.1	54	57	300	320
May	10.8	3.3	69	66	516	493
June	3.6	3.8	76	76	740	756
July	0.5	2.9	78	79	807	851
August	3.5	2.4	76	78	753	734
Sept.	1.6	2.5	68	69	538	559
Season Totals	22.9	16.9	70	71	3654	3714

TABLE 10. STAFFORD CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu
					AVG.	AVG.										
MATURITY CHECK	SHORT-C4327	174	159	140	166	157	92	98	76	65	16	70	15	120	1	58
ASGROW	RX701	148	--	--	--	--	79	--	--	--	--	71	17	127	1	56
TERRA	TR1087	202	--	--	--	--	107	--	--	--	--	72	16	120	2	57
KAYSTAR	KX - 777	206	171	--	189	--	109	106	--	66	17	72	17	129	3	57
CARGILL	6997	171	--	--	--	--	91	--	--	--	--	72	18	125	2	57
ASGROW	RX760	201	--	--	--	--	106	--	--	--	--	73	17	128	3	55
MSG	G 7711	184	--	--	--	--	98	--	--	--	--	73	19	122	1	56
NC+	4616	184	--	--	--	--	98	--	--	--	--	74	17	120	3	58
PIONEER	3489	183	--	--	--	--	97	--	--	--	--	74	17	125	3	57
DEKALB	DK626	194	185	--	189	--	103	114	--	69	17	74	18	121	1	57
MATURITY CHECK	MID-H-2530	175	171	176	173	174	93	106	96	69	17	74	18	110	2	57
MSG	O 331	202	187	--	194	--	107	115	--	68	17	74	18	115	1	58
NK	N7590	208	164	179	186	184	110	101	98	69	17	74	18	119	2	56
WILSON	1719	197	--	--	--	--	105	--	--	--	--	74	18	115	2	56
AGRIPRO	AP 9565	205	--	--	--	--	109	--	--	--	--	74	19	129	0	56
PIONEER	3225	194	181	186	187	187	103	111	101	67	19	74	19	119	1	58
DEKALB	DK715	196	169	160	183	175	104	104	87	68	19	74	20	123	4	55
MATURITY CHECK	PIONEER 3162	187	166	180	176	178	99	102	98	68	20	74	21	116	2	56
WILSON	1833	156	--	--	--	--	83	--	--	--	--	74	22	122	2	55
AGRIPRO	AP 9636	186	--	--	--	--	99	--	--	--	--	75	18	123	2	57
CIBA	4494	185	--	--	--	--	98	--	--	--	--	75	18	118	1	55
AGRIPRO	AP 619	201	165	--	183	--	107	102	--	69	18	75	19	136	1	56
ASGROW	RX790	188	--	--	--	--	100	--	--	--	--	75	19	118	5	55
KAYSTAR	KX - 909	199	173	--	186	--	105	107	--	68	18	75	19	125	0	56
MATURITY CHECK	FB73rhmxMO17	183	169	--	176	--	97	104	--	69	18	75	19	124	3	56
TERRA	TR1106	194	--	--	--	--	103	--	--	--	--	75	19	124	3	54
NORTHROP KING	N7931	186	--	--	--	--	99	--	--	--	--	75	20	100	3	55
AGRIPRO	AP 9616	204	--	--	--	--	108	--	--	--	--	76	18	115	2	55
ASGROW	RX770	197	162	159	180	173	105	100	87	68	17	76	18	130	2	56
NORTHROP KING	X7675CBR	203	--	--	--	--	108	--	--	--	--	76	18	108	3	55
MYCOGEN	2815	182	--	--	--	--	97	--	--	--	--	76	19	114	0	55
NORTHROP KING	X7634CBR	190	--	--	--	--	101	--	--	--	--	76	19	113	1	57
TRIUMPH	1514	192	--	--	--	--	102	--	--	--	--	76	19	129	2	55
TRIUMPH	1522	182	161	--	171	--	96	99	--	69	18	76	19	108	1	57
MATURITY CHECK	F-B73 X N204	162	155	--	158	--	86	95	--	70	19	76	20	106	1	56
NK	4662	202	173	189	188	188	107	107	103	69	19	76	20	118	0	55
TRIUMPH	1452	193	168	186	180	182	103	103	102	71	17	77	18	132	2	55
AGRIPRO	AP 9707	204	204	--	204	--	108	125	--	71	18	77	19	127	3	56
MSG	G 8511	199	--	--	--	--	106	--	--	--	--	77	19	120	2	55
MYCOGEN	7250	171	--	--	--	--	91	--	--	--	--	77	20	124	1	55
WILSON	1792	199	--	--	--	--	106	--	--	--	--	77	21	121	1	55
NC+	5037	186	162	182	174	177	99	100	99	71	17	78	17	118	1	56
ASGROW	RX789	185	--	--	--	--	98	--	--	--	--	78	18	134	4	57
CARGILL	7777	206	167	185	186	186	109	103	101	71	18	78	18	138	3	58

(continued)

TABLE 10. STAFFORD CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL			YIELD AS % OF TEST			95-96		1996						
		1996	1995	1994	2-Yr. 3-Yr.		AVERAGE	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Test Wt. lb/bu		
					AVG.	AVG.									1996	1995
CARGILL	7770	181	--	--	--	--	96	--	--	--	--	78	19	130	2	57
GARST	8325	194	--	--	--	--	103	--	--	--	--	78	19	117	3	55
GARST	8281	175	--	197	--	--	93	--	107	--	--	78	20	117	2	55
GARST	EXP N3241	203	--	--	--	--	108	--	--	--	--	78	20	127	1	56
PIONEER	3237	205	--	--	--	--	109	--	--	--	--	78	20	111	1	56
NC+	5445	192	--	--	--	--	102	--	--	--	--	79	19	130	0	55
DEKALB	DK683	179	174	189	177	181	95	107	103	73	19	79	20	134	2	54
PIONEER	3223	217	185	--	201	--	115	114	--	72	18	79	20	135	3	56
CARGILL	8328	177	--	--	--	--	94	--	--	--	--	79	21	113	2	55
TERRA	TR1185	174	167	172	170	171	92	103	94	72	20	79	22	115	4	53
ASGROW	RX897	186	--	197	--	--	99	--	108	--	--	80	21	136	1	55
WILSON	2335	172	--	--	--	--	91	--	--	--	--	80	23	124	1	53
CIBA	4575	190	--	--	--	--	101	--	--	--	--	81	19	135	1	56
DELANGE	DS 1995	176	155	191	166	174	94	96	104	73	19	81	21	112	1	55
WILSON	1859	186	186	--	186	--	99	115	--	74	17	82	19	120	3	57
AGRIPRO	HS 9843	177	166	192	172	178	94	103	105	74	19	82	20	130	2	55
CARGILL	8327	182	153	201	167	179	97	94	110	74	19	82	20	133	1	55
TERRA	TR 1167	172	169	193	171	178	91	104	106	74	19	82	20	127	0	55
TRIUMPH	2010	180	171	--	175	--	96	105	--	74	19	82	20	122	1	55
WILSON	2330	191	175	--	183	--	101	108	--	75	21	82	23	128	3	53
NC+	7117	181	--	185	--	--	96	--	101	--	--	83	20	135	2	57
MSG	G 8771	199	--	--	--	--	106	--	--	--	--	83	21	132	1	53
NORTHROP KING	N7989	177	159	191	168	175	94	98	104	75	18	83	21	120	3	55
MYCOGEN	8460	191	179	--	185	--	102	110	--	75	20	83	22	130	4	53
TERRA	TR1157	193	--	--	--	--	102	--	--	--	--	84	20	111	1	54
AVERAGES		188	162	183	175	178	188	162	183	70	18	77	19	122	2	56
CV(%)		8	13	8	--	--	8	13	8	--	--	3	4	9	121	2
LSD(0.05)**		18	29	21	--	--	9	18	12	--	--	3	1	13	3	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTHWESTERN KANSAS STANDARD CORN TEST, NO- TILL DRYLAND

COUNTY: THOMAS

LOCATION: Northwest Research-Extension Center, Colby

TEST SITE: Keith silt loam

1995 CROP: Oats

1994 CROP: Fallow

FERTILIZER (lbs/acre): 110 N 15 P2O5 0 K2O

PLANTING DATE: 4/24/96

HARVEST DATE: 10/11/96

COOPERATORS:

Patrick Evans, agronomist

TARGET POPULATION: 15,000 plants/acre,
13.9 in. spacing

STAND (% of target): 88

YIELD: Average (bu/a): 116

Range (bu/a): 99 - 129

LSD (bu/a): 13

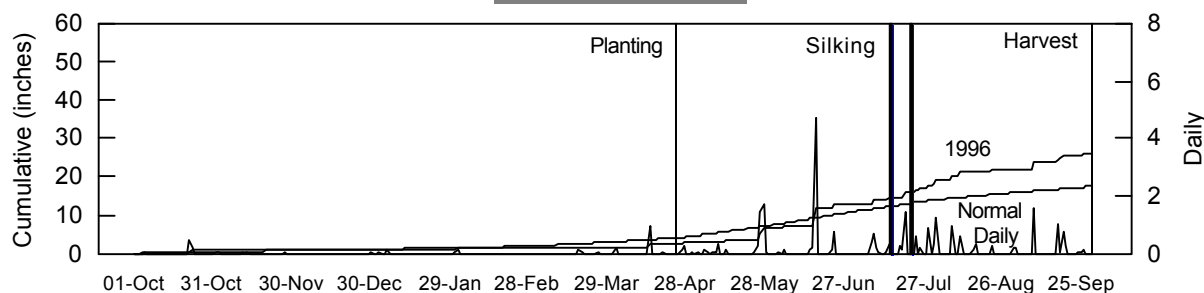
CV (%): 9

SILK DATES: 7/15/96 - 7/22/96

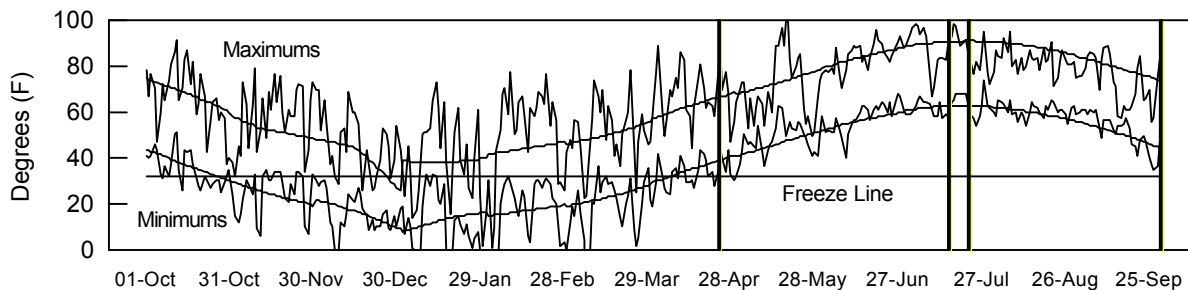
1996 GROWING CONDITIONS:

Very heavy residue made good seed placement difficult. As a result, stands were lower than desired. Dry conditions continued until late May; however, most of the summer was cooler and wetter than normal. Spider mites and corn ear worms were noted.

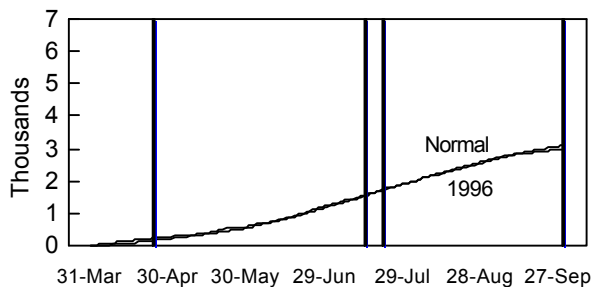
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	1.5	1.5	51	50	272	209
May	4.0	2.9	60	60	324	353
June	6.0	3.6	71	71	644	631
July	5.5	3.1	75	77	725	775
August	3.7	2.0	72	74	647	683
Sept.	4.0	1.6	62	65	410	466
Season Totals	24.6	14.6	65	66	3021	3116

TABLE 11. THOMAS CO. DRYLAND CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL			YIELD AS % OF TEST			95-96		1996							
		1996	1995	1994	AVERAGE		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Drop. Ears %	Test Wt. lb/bu			
					2-Yr. AVG.	3-Yr. AVG.									1996	1995	1994
PIONEER	3568	111	--	--	--	--	96	--	--	--	--	82	16	87	0	0	56
OTILIE	2453	120	--	--	--	--	104	--	--	--	--	82	17	95	0	1	55
MYCOGEN	5480	115	--	--	--	--	99	--	--	--	--	83	16	85	1	0	57
OTILIE	2466	108	--	--	--	--	93	--	--	--	--	84	21	86	0	1	53
MATURITY CHECK	SHORT-C4327	108	61	156	85	109	93	111	110	83	15	85	18	88	0	1	55
MYCOGEN	2689	127	56	--	91	--	109	101	--	84	17	86	18	95	1	0	55
NC+	4616	113	--	--	--	--	98	--	--	--	--	86	20	89	1	1	53
PIONEER	3489	127	70	--	98	--	109	126	--	84	16	87	17	94	0	0	56
MATURITY CHECK	MID-H-2530	124	61	135	92	107	107	110	95	86	16	88	18	94	0	0	53
MATURITY CHECK	F-B73 X N204	129	40	--	85	--	111	73	--	86	21	88	22	85	2	0	53
NC+	5445	110	--	--	--	--	95	--	--	--	--	89	22	78	0	0	52
MATURITY CHECK	FB73rhmxMO17	99	55	--	77	--	85	99	--	86	23	89	24	85	2	2	52
AVERAGES		116	55	142	86	104	116	55	100	85	18	86	19	88	1	1	54
CV(%)		9	12	11	--	--	9	12	11	--	--	1	9	11	232	217	2
LSD(0.05)**		13	8	23	--	--	11	15	16	--	--	1	2	NS	NS	NS	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

NORTHWESTERN KANSAS STANDARD CORN TEST, IRRIGATED

COUNTY: THOMAS

LOCATION: Northwest Research-Extension Center, Colby

TEST SITE: Keith silt loam

1995 CROP: Sunflowers

1994 CROP: Sorghum

FERTILIZER (lbs/acre): 220 N 32 P2O5 0 K2O

PLANTING DATE: 5/2/96

HARVEST DATE: 10/23/96

COOPERATORS:

Patrick Evans, agronomist

TARGET POPULATION: 28,000 plants/acre,

7.5 in. spacing

STAND (% of target): 102

YIELD: Average (bu/a): 226

Range (bu/a): 181 - 255

LSD (bu/a): 15

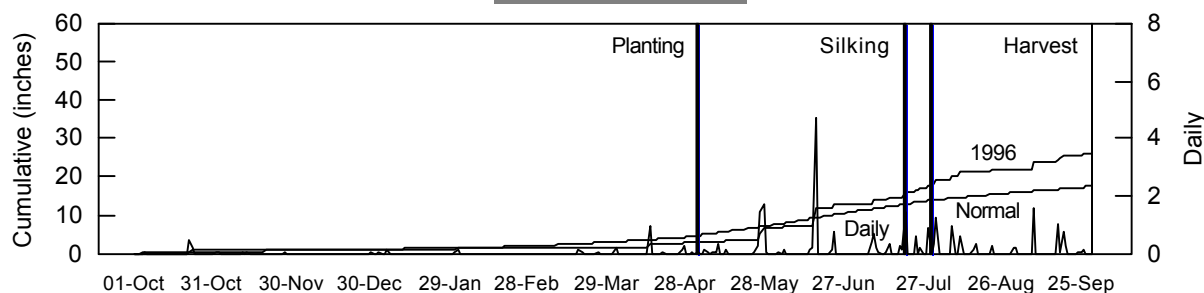
CV (%): 5

SILK DATES: 7/20/96 - 7/28/96

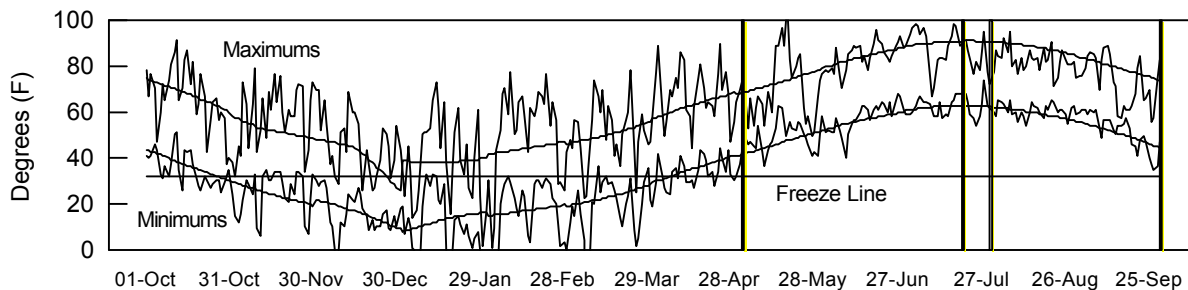
1996 GROWING CONDITONS:

Favorable planting conditions resulted in excellent stands. A preirrigation to fill the soil profile was required because of the very dry spring. The relatively cool, wet summer minimized the need for later irrigations. Warm temperatures in September and October facilitated complete grain fill and excellent yields.

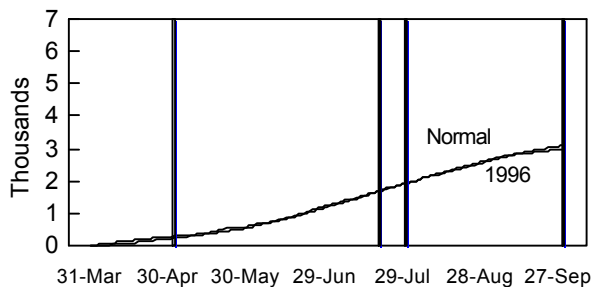
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	1.5	1.5	51	50	272	209
May	4.0	2.9	60	60	324	353
June	6.0	3.6	71	71	644	631
July	5.5	3.1	75	77	725	775
August	3.7	2.0	72	74	647	683
Sept.	4.0	1.6	62	65	410	466
Season Totals	24.6	14.6	65	66	3021	3116

TABLE 12. THOMAS CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			95-96		1996					
		1996	1995	1994	2-Yr.	3-Yr.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Drop. Ears %	Test Wt. lb/bu
					AVG.	AVG.											
PIONEER	3568	207	--	--	--	--	92	--	--	--	--	79	15	104	5	0	57
STAUFFER	2500	181	--	--	--	--	80	--	--	--	--	79	16	95	4	0	56
HOEGEMEYER	2614	187	--	--	--	--	83	--	--	--	--	79	17	97	0	0	57
CARGILL	6327	223	136	255	180	205	99	107	102	81	16	80	17	103	6	1	56
DEKALB	DK580	226	150	--	188	--	100	117	--	81	16	80	17	101	4	0	56
HOEGEMEYER	2626	215	--	--	--	--	95	--	--	--	--	80	18	102	4	0	56
MILLER PREF.	MP-1091	217	135	265	176	206	96	106	106	81	17	80	18	105	4	0	56
ASGROW	RX701	199	--	--	--	--	88	--	--	--	--	80	19	100	3	0	54
CARGILL	6303	200	151	--	176	--	88	118	--	80	17	80	19	103	2	0	56
CIBA	4494	219	148	--	183	--	97	116	--	81	17	80	19	102	0	0	55
ASGROW	RX760	241	--	--	--	--	106	--	--	--	--	80	20	102	5	0	53
CARGILL	6997	209	--	--	--	--	92	--	--	--	--	80	20	104	11	1	55
FONTANELLE	5335	236	--	--	--	--	104	--	--	--	--	80	20	100	1	0	54
GOLDEN HARVEST	H-2547	231	--	--	--	--	102	--	--	--	--	80	20	104	6	0	54
HAWKEYE	SX55	239	--	--	--	--	105	--	--	--	--	80	20	104	7	0	54
LG SEEDS	LG2579	243	--	--	--	--	107	--	--	--	--	80	20	105	4	0	55
MILLER PREF.	MP-1131	232	156	--	194	--	102	122	--	82	18	80	20	99	0	0	53
MILLER PREF.	MP-1123	240	--	--	--	--	106	--	--	--	--	80	20	102	1	0	55
MYCOGEN	2725	225	--	--	--	--	99	--	--	--	--	80	20	93	2	0	54
STAUFFER	2436	221	--	--	--	--	97	--	--	--	--	80	20	105	0	0	54
FONTANELLE	5306	230	--	--	--	--	101	--	--	--	--	80	21	102	2	0	55
HOEGEMEYER	2655	222	159	--	191	--	98	124	--	81	19	80	21	101	0	0	54
KAYSTAR	KX - 777	232	164	--	198	--	102	128	--	81	19	80	21	107	1	0	54
NC+	4919	231	--	--	--	--	102	--	--	--	--	80	21	101	3	0	54
OTILIE	5050	253	--	--	--	--	112	--	--	--	--	80	21	105	0	0	54
OTILIE	2467	245	164	--	205	--	108	128	--	81	19	80	21	104	2	0	54
MYCOGEN	7250	230	--	--	--	--	101	--	--	--	--	80	22	102	0	0	54
MATURITY CHECK	SHORT-C4327	200	99	228	149	175	88	77	91	82	16	81	18	100	8	1	56
WILSON	1581	215	--	--	--	--	95	--	--	--	--	81	18	104	1	0	55
DEKALB	DK591	227	145	--	186	--	100	113	--	82	18	81	19	100	3	1	55
GARST	8543	208	149	262	178	206	92	116	105	82	18	81	19	98	8	0	55
AGRIPRO	AP 9565	224	--	--	--	--	99	--	--	--	--	81	20	100	5	0	54
CARGILL	7777	228	121	272	174	207	101	94	109	82	18	81	20	105	6	1	56
GARST	8541	207	141	--	174	--	92	110	--	81	18	81	20	97	2	1	54
STAUFFER	2207	244	--	--	--	--	108	--	--	--	--	81	20	103	0	1	54
ASGROW	RX770	221	163	--	192	--	98	127	--	82	19	81	21	104	2	0	52
MSG	G 7711	232	157	--	194	--	102	122	--	81	19	81	21	102	1	0	55
NC+	4646	216	--	--	--	--	95	--	--	--	--	81	21	96	1	0	54
WILSON	1664	240	--	--	--	--	106	--	--	--	--	81	21	107	1	0	54
TRIUMPH	1220	214	--	--	--	--	94	--	--	--	--	81	22	107	4	0	54
WILSON	1719	219	--	--	--	--	97	--	--	--	--	81	23	95	0	0	53
PIONEER	3489	227	--	--	--	--	100	--	--	--	--	82	18	104	14	0	56
MATURITY CHECK	MID-H-2530	219	130	235	174	195	97	101	94	82	17	82	19	101	1	0	54
MSG	O 331	245	144	280	194	223	108	112	112	82	20	82	21	102	7	0	55
OTILIE	5460	242	--	--	--	--	107	--	--	--	--	82	21	103	6	0	54

(continued)

TABLE 12. THOMAS CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL						YIELD AS % OF TEST			95-96		1996				
		1996	1995	1994	2-Yr. 3-Yr.		AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Drop. Ears %	Test Wt. lb/bu
					AVG.	AVG.	1996	1995	1994								
CARGILL	7770	240	--	--	--	--	106	--	--	--	--	82	22	102	1	0	54
GARST	8325	237	--	--	--	--	105	--	--	--	--	82	22	104	20	0	54
LG SEEDS	NB6842	255	--	--	--	--	113	--	--	--	--	82	22	105	11	0	54
PREMIUM SEED	P234	246	--	--	--	--	109	--	--	--	--	82	22	105	10	1	54
MATURITY CHECK	PIONEER 3162	241	165	276	203	228	106	129	111	83	21	82	23	101	7	0	54
MILLER PREF.	MP-1141	243	160	--	202	--	107	125	--	82	21	82	23	107	1	0	54
KAYSTAR	KX - 909	226	132	231	179	196	100	103	92	83	21	82	24	102	2	0	52
MATURITY CHECK	F-B73 X N204	235	138	--	187	--	104	108	--	84	23	82	25	104	7	0	53
ASGROW	RX790	241	--	--	--	--	106	--	--	--	--	83	21	103	0	0	53
DEKALB	DK641	239	--	--	--	--	106	--	--	--	--	83	21	104	11	0	54
GIANT	GB 3145	227	--	--	--	--	100	--	--	--	--	83	22	106	1	0	53
MYCOGEN	2815	228	--	--	--	--	101	--	--	--	--	83	22	102	2	0	53
PIONEER	3225	237	161	271	199	223	105	126	108	84	20	83	22	99	16	0	55
MATURITY CHECK	FB73rhmxMO17	209	108	--	158	--	92	84	--	84	22	83	23	104	41	3	52
OTILIE	5550	236	--	--	--	--	104	--	--	--	--	83	23	101	2	1	52
OTILIE	2482X	222	145	--	183	--	98	113	--	84	21	83	25	104	2	0	50
GIANT	GB 3131	220	--	--	--	--	97	--	--	--	--	84	23	96	6	0	51
MSG	G 8511	236	--	--	--	--	104	--	--	--	--	84	24	101	1	0	51
NK	4662	231	--	271	--	--	102	--	108	--	--	84	25	100	2	0	54
CARGILL	8328	210	--	--	--	--	93	--	--	--	--	85	23	96	28	2	54
AGRIPRO	HS 9843	226	--	243	--	--	100	--	97	--	--	85	24	97	3	0	53
CIBA	4575	208	79	--	143	--	92	61	--	87	21	86	25	106	0	3	53
MSG	G 8771	241	--	--	--	--	106	--	--	--	--	87	24	104	0	0	52
AVERAGES		226	128	250	177	201	226	128	250	82	19	81	21	102	5	0	54
CV(%)		5	13	4	--	--	5	13	4	--	--	1	6	5	106	221	2
LSD(0.05)**		15	24	14	--	--	6	19	6	--	--	1	2	6	6	1	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

WEST CENTRAL KANSAS STANDARD CORN TEST, IRRIGATED

COUNTY: GREELEY

LOCATION: Southwest Research-Extension Center, Tribune

TEST SITE: Ulysses silt loam

1995 CROP: Fallow

1994 CROP: Corn

FERTILIZER (lbs/acre): 180 N 50 P2O5 0 K2O

PLANTING DATE: 4/18/96

HARVEST DATE: 10/24/96

COOPERATORS:

Alan Schlegel, agronomist; David Frickel, research associate; Scott Selee, technician

TARGET POPULATION: 28,000 plants/acre,

7.5 in. spacing

STAND (% of target): 106

YIELD: Average (bu/a): 201

Range (bu/a): 167 - 217

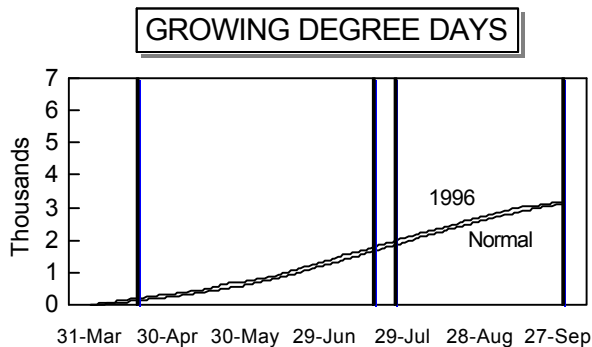
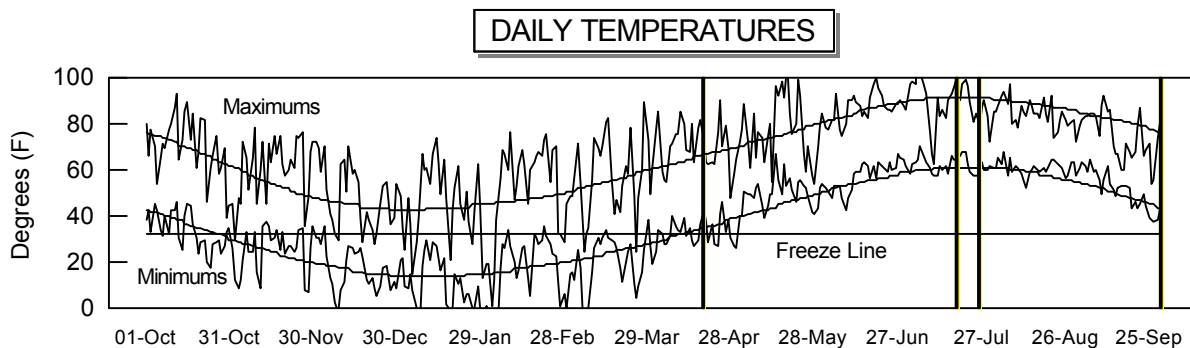
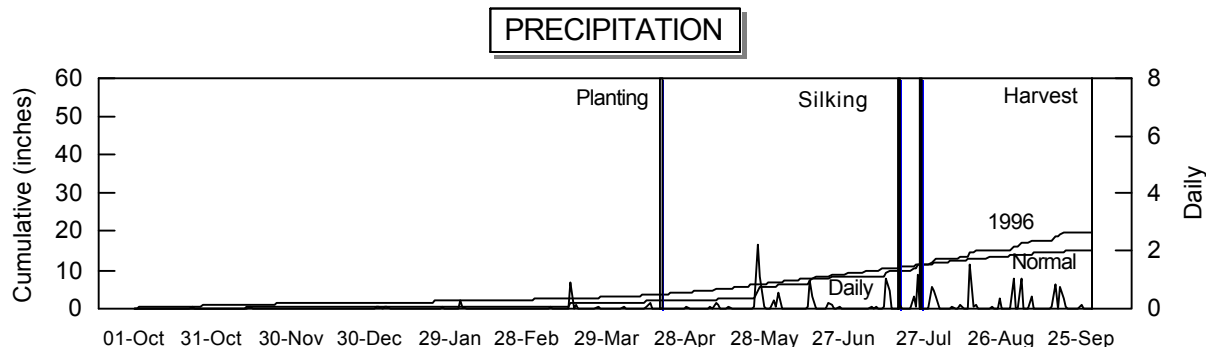
LSD (bu/a): 15

CV (%): 7

SILK DATES: 7/19/96 - 7/26/96

1996 GROWING CONDITONS:

Early irrigations helped stand establishment and early growth. Above-normal rainfall during May, July, and August minimized the need for late-season irrigation. Corn borer damage likely caused some of the noted lodging.



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	0.3	1.4	51	50	313	242
May	3.7	2.3	64	60	409	381
June	2.4	2.6	72	71	654	619
July	4.6	2.5	76	76	730	746
August	3.6	2.1	73	74	659	668
Sept.	3.4	1.3	63	65	429	490
Season Totals	18.0	12.3	67	66	3193	3144

TABLE 13. GREELEY CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			95-96		1996					
		1996	1995	1994	2-Yr.	3-Yr.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Silk Ldg %	Drop. Ears %	Test Wt. lb/bu
					AVG.	AVG.											
MATURITY CHECK	SHORT-C4327	167	119	176	143	154	83	88	90	87	16	92	15	112	9	5	57
DEKALB	DK580	209	162	--	185	--	104	120	--	88	17	93	14	104	16	1	57
CARGILL	6888	206	--	--	--	--	103	--	--	--	--	93	17	112	13	3	56
WILSON	1664	208	--	--	--	--	104	--	--	--	--	93	17	110	13	4	56
CARGILL	6997	197	--	--	--	--	98	--	--	--	--	93	18	101	10	3	56
CIBA	4494	201	--	--	--	--	100	--	--	--	--	94	16	111	13	1	57
DEKALB	DK591	201	147	184	174	177	100	109	95	89	19	94	16	111	15	3	56
KAYSTAR	KX - 777	206	139	--	172	--	103	103	--	88	19	94	16	112	9	1	56
MILLER PREF.	MP-1091	202	153	--	177	--	100	114	--	88	19	94	16	111	17	1	57
MILLER PREF.	MP-1131	183	151	--	167	--	91	112	--	89	19	94	16	99	8	1	56
MYCOGEN	2689	193	--	--	--	--	96	--	--	--	--	94	16	107	16	3	57
TRIUMPH	1220	201	--	--	--	--	100	--	--	--	--	94	16	109	10	1	56
WILSON	1581	198	--	--	--	--	99	--	--	--	--	94	16	109	18	4	57
CARGILL	7997	206	129	221	167	185	102	95	113	89	22	94	17	109	10	0	57
CARGILL	7777	207	148	216	178	191	103	110	111	89	21	94	17	109	15	2	58
MYCOGEN	2725	185	--	--	--	--	92	--	--	--	--	94	17	88	12	1	56
STAUFFER	2207	210	--	--	--	--	104	--	--	--	--	94	17	108	15	1	55
WILSON	1719	205	--	--	--	--	102	--	--	--	--	94	19	99	8	1	55
MATURITY CHECK	MID-H-2530	200	146	198	173	181	99	108	102	89	18	95	15	109	17	4	55
CARGILL	7770	214	--	--	--	--	107	--	--	--	--	95	17	104	11	2	58
MYCOGEN	7250	207	--	--	--	--	103	--	--	--	--	95	17	101	13	1	56
STAUFFER	2760	193	--	--	--	--	96	--	--	--	--	95	18	107	15	3	56
KAYSTAR	KX - 909	217	144	--	181	--	108	107	--	90	23	95	20	108	12	1	54
PIONEER	3489	199	--	--	--	--	99	--	--	--	--	96	15	111	16	2	57
DEKALB	DK642	206	--	--	--	--	102	--	--	--	--	96	17	108	10	3	55
TRIUMPH	1514	206	--	--	--	--	102	--	--	--	--	96	17	104	9	2	54
MATURITY CHECK	FB73rhmxMO17	189	115	--	152	--	94	85	--	91	24	96	18	108	24	6	55
DEKALB	DK652	213	145	219	179	193	106	108	112	91	22	96	19	108	7	4	54
PIONEER	3225	212	146	220	179	193	105	108	113	90	22	96	19	104	11	0	57
MATURITY CHECK	PIONEER 3162	216	152	227	184	198	108	113	116	90	24	96	21	109	8	1	55
PIONEER	3237	214	--	--	--	--	107	--	--	--	--	97	18	107	15	2	57
MATURITY CHECK	F-B73 X N204	178	106	--	142	--	89	78	--	91	25	97	19	100	22	2	55
PIONEER	3223	204	133	--	169	--	102	99	--	93	22	98	19	109	17	3	56
CIBA	4575	180	--	--	--	--	90	--	--	--	--	98	20	108	6	1	55
NK	4662	208	--	206	--	--	103	--	105	--	--	98	20	102	11	2	55
STAUFFER	X270	192	--	--	--	--	95	--	--	--	--	99	20	99	5	1	53
AVERAGES		201	135	195	168	177	201	135	195	90	21	95	17	106	13	2	56
CV(%)		7	10	10	--	--	7	10	10	--	--	1	3	6	49	97	1
LSD(0.05)**		15	21	28	--	--	8	16	14	--	--	1	1	7	7	2	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

SOUTHWESTERN KANSAS STANDARD CORN TEST, IRRIGATED

COUNTY: FINNEY

LOCATION: Southwest Research-Extension Center, Garden City

TEST SITE: Keith silt loam

1995 CROP: Soybeans

1994 CROP: Corn

FERTILIZER (lbs/acre): 200 N 0 P2O5 0 K2O

PLANTING DATE: 4/29/96

HARVEST DATE: 10/17/96

COOPERATORS:

Merle Witt, agronomist

TARGET POPULATION: 28,000 plants/acre,

7.5 in. spacing

STAND (% of target): 101

YIELD: Average (bu/a): 178

Range (bu/a): 158 - 204

LSD (bu/a): 18

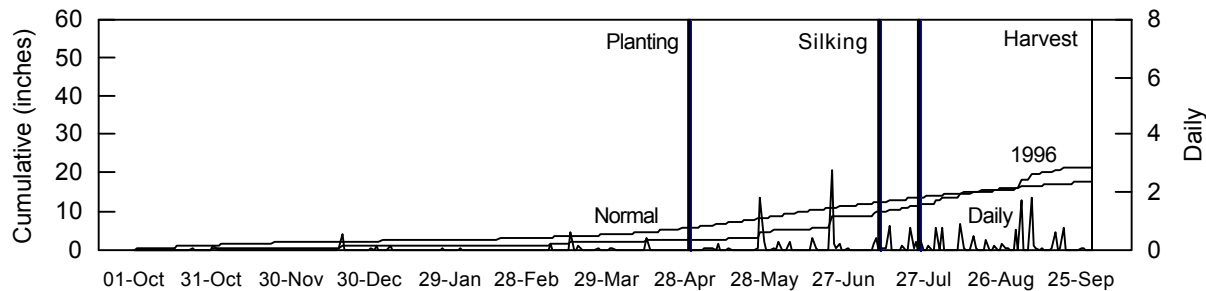
CV (%): 7

SILK DATES: 7/14/96 - 7/23/96

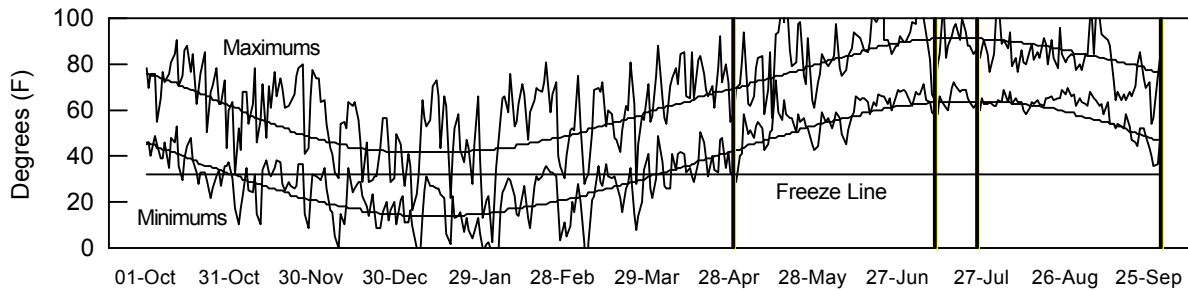
1996 GROWING CONDITONS:

Prewatering resulted in excellent emergence, but cool spring conditions slowed early development. Irrigation was minimized because of abundant rainfall during the summer. Southwestern corn borer caused most of the lodging noted in the table.

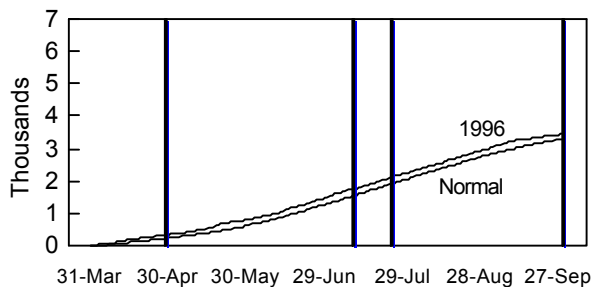
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	0.4	1.8	54	51	338	234
May	2.3	2.8	66	62	464	393
June	4.2	3.0	75	72	709	673
July	3.0	2.5	77	78	778	795
August	3.6	2.1	76	75	721	715
Sept.	5.9	1.6	66	67	477	514
Season Totals	19.5	13.8	69	68	3486	3323

TABLE 14. FINNEY CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST			95-96		1996			
		1996	1995	1994	2-Yr.	3-Yr.	AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Silk Ldg %
					AVG.	AVG.	1996	1995	1994						
MATURITY CHECK	SHORT-C4327	166	151	206	158	174	93	83	107	75	15	76	13	106	12
ASGROW	RX760	195	--	--	--	--	109	--	--	--	--	76	14	105	8
CARGILL	6888	183	--	--	--	--	103	--	--	--	--	76	14	109	11
CIBA	4494	172	--	--	--	--	97	--	--	--	--	76	14	106	8
HPH	KS 5119	181	172	--	177	--	102	95	--	78	16	76	14	90	4
KAYSTAR	KX - 777	187	204	--	196	--	105	112	--	75	15	76	14	104	6
OTILIE	2467	169	180	--	174	--	95	99	--	75	15	76	14	107	5
AGRIPRO	AP 9565	178	--	--	--	--	100	--	--	--	--	76	16	110	8
ASGROW	RX701	160	--	--	--	--	90	--	--	--	--	77	13	105	8
PIONEER	3489	177	--	--	--	--	99	--	--	--	--	77	13	101	7
GOLDEN HARVEST	H-2547	175	--	--	--	--	99	--	--	--	--	77	14	106	4
HOEGEMEYER	2655	184	--	--	--	--	103	--	--	--	--	77	14	98	5
HOEGEMEYER	2626	179	--	--	--	--	101	--	--	--	--	77	14	101	7
MSG	G 7711	182	--	--	--	--	102	--	--	--	--	77	14	106	7
ASGROW	RX770	173	192	198	182	188	97	105	103	76	16	77	15	114	4
MYCOGEN	7250	169	--	--	--	--	95	--	--	--	--	77	15	95	6
NC+	4646	167	--	--	--	--	94	--	--	--	--	77	15	101	11
DEKALB	DK641	181	--	--	--	--	102	--	--	--	--	78	15	97	12
PIONEER	3225	185	212	232	199	210	104	117	120	77	17	78	15	96	6
WILSON	1719	176	--	--	--	--	99	--	--	--	--	78	15	100	6
DEKALB	DK715	195	176	226	186	199	110	97	117	77	20	78	17	100	7
CARGILL	7770	181	--	--	--	--	102	--	--	--	--	79	14	97	9
MATURITY CHECK	MID-H-2530	188	187	208	188	194	106	103	108	77	16	79	14	106	5
STAUFFER	2760	178	--	--	--	--	100	--	--	--	--	79	15	105	12
MATURITY CHECK	PIONEER 3162	163	216	197	190	192	92	119	102	77	18	79	16	99	7
MSG	O 331	187	205	--	196	--	105	113	--	77	17	79	16	94	6
OTILIE	5460	158	--	--	--	--	89	--	--	--	--	79	16	103	7
GIANT	GB 3163	176	--	--	--	--	99	--	--	--	--	80	14	104	4
TRIUMPH	1522	164	206	--	185	--	92	113	--	78	17	80	14	97	11
AGRIPRO	AP 619	182	183	--	182	--	102	101	--	79	16	80	15	109	5
ASGROW	RX790	173	--	--	--	--	97	--	--	--	--	80	15	94	4
DEKALB	DK652	189	202	200	196	197	106	111	104	79	16	80	15	104	6
MATURITY CHECK	F-B73 X N204	175	146	--	161	--	98	80	--	78	18	80	15	94	7
MYCOGEN	2815	173	--	--	--	--	97	--	--	--	--	80	15	103	7
OTILIE	5550	159	--	--	--	--	90	--	--	--	--	80	15	96	5
AGRIPRO	AP 9707	169	169	--	169	--	95	93	--	80	18	80	16	106	6
HPH	KS 5145	183	210	--	196	--	103	115	--	78	17	80	16	101	7
KAYSTAR	KX - 909	190	195	187	193	191	107	107	97	78	17	80	16	105	4
MATURITY CHECK	FB73rhmxMO17	187	159	--	173	--	105	87	--	79	18	80	16	101	4
WILSON	E5379	162	--	--	--	--	91	--	--	--	--	80	17	103	7
STAUFFER	X770	183	--	--	--	--	103	--	--	--	--	80	18	101	3
ASGROW	RX789	164	217	--	191	--	92	119	--	79	16	81	14	100	7
TRIUMPH	1514	190	--	--	--	--	107	--	--	--	--	81	14	98	3

(continued)

TABLE 14. FINNEY CO. IRRIGATED CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHEL						YIELD AS % OF TEST			95-96		1996			
		1996	1995	1994	2-Yr. 3-Yr.		AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Stk Ldg %	
					AVG.	AVG.	1996	1995	1994							
GIANT	GB 3131	163	--	--	--	--	91	--	--	--	--	81	15	91	12	
HPH	KS 2186	177	--	--	--	--	99	--	--	--	--	81	15	98	5	
TRIUMPH	2010	190	188	200	189	193	107	103	104	81	17	81	15	108	4	
TRIUMPH	1452	182	190	199	186	190	102	104	103	79	16	81	15	97	5	
GARST	8325	190	--	--	--	--	107	--	--	--	--	81	16	100	4	
NK	4662	159	192	198	175	183	89	105	102	79	18	81	16	97	10	
WILSON	1910	176	191	227	183	198	99	105	118	79	19	81	17	96	6	
HOEGEMEYER	2730	178	--	--	--	--	100	--	--	--	--	82	15	96	7	
MSG	G 8511	164	--	--	--	--	92	--	--	--	--	82	15	99	6	
CARGILL	8328	189	--	--	--	--	106	--	--	--	--	82	16	101	3	
PIONEER	3237	176	--	--	--	--	99	--	--	--	--	82	16	86	5	
WILSON	1792	169	--	--	--	--	95	--	--	--	--	82	16	93	5	
ASGROW	RX897	174	--	193	--	--	98	--	100	--	--	83	15	108	7	
CARGILL	8327	179	179	211	179	190	101	98	109	81	17	83	15	99	4	
GARST	8285	196	172	179	184	182	110	94	93	82	17	83	15	101	3	
MSG	G 8771	164	--	--	--	--	92	--	--	--	--	83	15	97	4	
MYCOGEN	2868	204	185	219	194	203	114	102	114	81	17	83	15	98	5	
AGRIPRO	HS 9843	174	168	167	171	169	98	92	86	82	17	83	16	98	7	
WILSON	2335	202	--	--	--	--	114	--	--	--	--	83	17	100	9	
CIBA	4575	165	192	--	178	--	93	106	--	81	17	84	16	111	7	
WILSON	2330	201	186	224	194	204	113	102	116	82	19	84	17	105	8	
STAUFFER	2788	186	--	--	--	--	105	--	--	--	--	85	17	99	5	
AVERAGES		178	182	193	180	184	178	182	193	79	17	80	15	101	6	
CV(%)		7	6	8	--	--	7	6	8	--	--	2	6	6	62	
LSD(0.05)**		18	19	26	--	--	10	10	14	--	--	2	1	8	NS	

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

TABLE 15. YIELD AS PERCENT OF TEST AVERAGE FROM STANDARD CORN TESTS, 1996.

BRAND	NAME	DRYLAND TESTS								IRRIGATED TESTS					
		DON	BRO	RIL	SHA	FRA	NEO	REP	THO	SHA	REP	STA	THO	GRE	FIN
AGRIPRO	AP 619	--	99	--	--	--	--	100	--	--	--	107	--	--	102
AGRIPRO	AP 9565	--	--	--	--	--	99	--	--	--	96	109	99	--	100
AGRIPRO	AP 9616	--	--	--	--	--	--	--	--	--	--	108	--	--	--
AGRIPRO	AP 9636	--	--	--	--	--	--	--	--	--	--	99	--	--	--
AGRIPRO	AP 9707	--	--	--	--	--	--	--	--	--	--	108	--	--	95
AGRIPRO	HS 9843	97	--	--	--	--	97	99	--	--	--	94	100	--	98
ASGROW	RX701	96	--	--	--	--	--	--	--	89	--	79	88	--	90
ASGROW	RX760	101	--	--	--	--	--	--	--	102	--	106	106	--	109
ASGROW	RX770	99	--	--	--	--	--	--	--	94	--	105	98	--	97
ASGROW	RX789	--	--	--	--	--	--	--	--	--	--	98	--	--	92
ASGROW	RX790	98	--	--	--	--	--	--	--	95	--	100	106	--	97
ASGROW	RX897	--	--	--	--	--	--	--	--	--	--	99	--	--	98
BO-JAC	415	102	106	99	--	107	--	--	--	--	--	--	--	--	--
BO-JAC	438	90	85	101	--	83	--	--	--	--	--	--	--	--	--
BO-JAC	580	96	96	102	--	96	--	--	--	--	--	--	--	--	--
BO-JAC	605	--	92	96	--	--	--	--	--	--	--	--	--	--	--
BO-JAC	614	--	97	97	--	--	--	--	--	--	--	--	--	--	--
CARGILL	6303	--	--	--	--	--	--	--	--	--	--	--	88	--	--
CARGILL	6327	--	--	--	--	--	--	--	--	--	--	--	99	--	--
CARGILL	6888	--	--	--	--	--	--	--	--	--	--	--	--	103	103
CARGILL	6997	99	--	--	--	--	--	--	--	--	--	91	92	98	--
CARGILL	7770	--	--	--	--	107	93	--	--	101	104	96	106	107	102
CARGILL	7777	93	111	102	106	--	--	116	--	108	112	109	101	103	--
CARGILL	7997	85	103	--	100	97	99	--	--	--	100	--	--	102	--
CARGILL	8327	99	101	--	--	98	105	--	--	109	104	97	--	--	101
CARGILL	8328	--	--	--	--	--	--	--	--	--	--	94	93	--	106
CIBA	4494	105	--	109	--	--	--	--	--	96	99	98	97	100	97
CIBA	4575	98	--	98	--	--	--	--	--	107	91	101	92	90	93
DEKALB	DK566	--	--	--	--	--	--	92	--	--	--	--	--	--	--
DEKALB	DK580	--	97	--	--	--	--	--	--	--	--	--	100	104	--
DEKALB	DK591	104	96	98	92	--	--	103	--	--	108	--	100	100	--
DEKALB	DK626	109	107	104	107	100	91	--	--	89	104	103	--	--	--
DEKALB	DK641	--	107	--	--	104	113	--	--	108	104	--	106	--	102
DEKALB	DK642	107	--	--	--	--	--	--	--	96	--	--	--	102	--
DEKALB	DK652	--	--	--	--	--	--	--	--	--	--	--	--	106	106
DEKALB	DK668	--	--	--	--	87	--	--	--	--	--	--	--	--	--
DEKALB	DK683	--	--	--	--	--	--	--	--	--	--	95	--	--	--
DEKALB	DK715	--	--	--	--	--	--	--	--	--	109	104	--	--	110
DELANGE	DS 1995	--	--	--	--	96	105	--	--	108	--	94	--	--	--
FONTANELLE	5306	--	--	--	--	--	--	--	--	--	--	--	101	--	--
FONTANELLE	5335	102	--	--	--	--	--	--	--	--	95	--	104	--	--
FONTANELLE	5676	97	95	--	--	--	--	--	--	--	98	--	--	--	--
FONTANELLE	6162	99	--	--	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	6340	--	96	--	--	--	--	--	--	--	--	--	--	--	--
FTEX	96117A	--	--	102	--	--	--	--	--	104	--	--	--	--	--
FTEX	96118A	113	--	99	--	--	--	--	--	--	--	--	--	--	--
GARST	8281	--	--	--	--	--	--	--	--	101	--	93	--	--	--
GARST	8285	--	--	--	--	--	--	--	--	104	--	--	--	--	110
GARST	8314	--	--	--	--	--	99	--	--	--	--	--	--	--	--
GARST	8325	102	--	--	--	--	105	--	--	--	106	103	105	--	107
GARST	8342	95	--	--	--	--	--	--	--	--	106	--	--	--	--
GARST	8541	--	97	--	--	--	--	--	--	--	--	--	92	--	--
GARST	8543	--	--	--	--	--	--	--	--	--	--	--	92	--	--
GARST	EXP N3241	--	95	--	--	102	--	--	--	--	--	108	--	--	--

(continued)

TABLE 15. YIELD AS PERCENT OF TEST AVERAGE FROM STANDARD CORN TESTS, 1996.

BRAND	NAME	DRYLAND TESTS								IRRIGATED TESTS					
		DON	BRO	RIL	SHA	FRA	NEO	REP	THO	SHA	REP	STA	THO	GRE	FIN
GIANT	GB 3131	--	--	--	--	--	--	--	--	--	--	97	--	91	
GIANT	GB 3145	--	--	--	--	--	--	--	--	--	--	100	--	--	
GIANT	GB 3163	--	--	--	--	--	--	--	--	--	--	--	--	99	
GOLDEN HARVEST	H-2547	--	104	--	--	--	--	--	--	--	--	102	--	99	
GOLDEN HARVEST	H-2581	--	109	--	106	106	97	--	--	--	--	--	--	--	
GOLDEN HARVEST	H-2641	--	102	--	108	104	107	--	--	--	--	--	--	--	
HAWKEYE	8981	--	104	--	--	--	--	--	--	--	--	--	--	--	
HAWKEYE	SX55	--	--	--	--	--	--	--	--	--	--	105	--	--	
HAWKEYE	SX62	105	--	--	--	--	--	--	--	98	--	--	--	--	
HAWKEYE	SX66	106	--	--	--	--	--	--	--	--	--	--	--	--	
HAWKEYE	SX81	106	113	--	--	--	--	--	--	--	--	--	--	--	
HOEGEMEYER	2614	--	--	--	--	--	--	--	--	--	--	83	--	--	
HOEGEMEYER	2626	--	--	--	--	--	--	--	--	--	--	95	--	101	
HOEGEMEYER	2655	--	--	--	--	--	--	--	--	96	--	98	--	103	
HOEGEMEYER	2682	108	--	--	--	--	--	--	--	96	96	--	--	--	
HOEGEMEYER	2689	103	--	--	--	98	--	--	--	100	--	--	--	--	
HOEGEMEYER	2693	103	--	--	--	103	--	--	--	103	97	--	--	--	
HOEGEMEYER	2730	--	--	--	--	101	--	--	--	--	--	--	--	100	
HPH	KS 2186	--	--	--	--	--	--	--	--	--	--	--	--	99	
HPH	KS 5119	--	--	--	--	--	--	--	--	--	--	--	--	102	
HPH	KS 5145	--	--	--	--	--	--	--	--	--	--	--	--	103	
KAYSTAR	KX - 777	--	--	--	--	--	--	--	--	--	106	109	102	103	105
KAYSTAR	KX - 909	--	--	--	--	--	--	--	--	--	100	105	100	108	107
LEWIS	5446	114	--	--	--	--	--	--	--	--	--	--	--	--	
LEWIS	5584	100	--	--	--	--	--	--	--	--	--	--	--	--	
LEWIS	6287	106	--	--	--	--	--	--	--	--	--	--	--	--	
LEWIS	6294	--	107	--	--	113	--	--	--	--	--	--	--	--	
LEWIS	8356	--	--	--	--	98	--	--	--	--	--	--	--	--	
LEWIS	8492	--	102	--	--	--	--	--	--	--	--	--	--	--	
LG SEEDS	LG2579	--	--	--	--	--	--	--	--	--	--	--	107	--	--
LG SEEDS	NB6842	--	--	--	--	--	--	--	--	--	--	--	113	--	--
MATURITY CHECK	PIONEER 3162	--	--	--	--	--	--	--	--	--	--	99	106	108	92
MILLER PREF.	MP-1091	--	--	--	--	--	--	--	--	--	--	--	96	100	--
MILLER PREF.	MP-1123	--	--	--	--	--	--	92	--	--	99	--	106	--	--
MILLER PREF.	MP-1131	--	--	--	--	--	--	--	--	--	--	--	102	91	--
MILLER PREF.	MP-1141	--	--	--	--	--	--	--	--	--	97	--	107	--	--
MILLER PREF.	MP-1161	--	--	--	--	--	--	105	--	--	102	--	--	--	--
MSG	G 7711	98	--	--	--	--	--	--	--	--	100	98	102	--	102
MSG	G 8452	97	--	--	--	--	--	--	--	--	--	--	--	--	--
MSG	G 8511	101	--	--	--	--	--	--	--	--	97	106	104	--	92
MSG	G 8620	--	--	--	--	116	--	--	--	--	--	--	--	--	--
MSG	G 8771	110	--	--	--	102	--	--	--	108	99	106	106	--	92
MSG	O 331	100	96	109	--	102	--	--	--	101	99	107	108	--	105
MYCOGEN	2689	--	--	--	--	--	--	107	109	--	--	--	--	96	--
MYCOGEN	2725	--	--	--	--	--	--	--	--	--	--	--	99	92	--
MYCOGEN	2815	93	--	--	--	--	--	--	--	--	--	97	101	--	97
MYCOGEN	2868	--	--	--	--	--	105	--	--	--	104	--	--	--	114
MYCOGEN	5480	--	--	--	--	--	--	--	99	--	--	--	--	--	--
MYCOGEN	7250	102	101	--	--	101	106	--	--	--	102	91	101	103	95
MYCOGEN	7885	--	--	104	--	--	--	--	--	--	--	--	--	--	--
MYCOGEN	8460	96	108	--	--	93	109	--	--	--	97	102	--	--	--

(continued)

TABLE 15. YIELD AS PERCENT OF TEST AVERAGE FROM STANDARD CORN TESTS, 1996.

BRAND	NAME	DRYLAND TESTS							IRRIGATED TESTS						
		DON	BRO	RIL	SHA	FRA	NEO	REP	THO	SHA	REP	STA	THO	GRE	FIN
NC+	4616	--	--	--	--	--	--	--	98	--	--	98	--	--	--
NC+	4646	--	--	--	--	--	--	--	--	--	--	--	95	--	94
NC+	4919	--	--	--	--	--	--	--	--	--	--	--	102	--	--
NC+	5037	--	--	--	--	103	--	--	--	--	--	99	--	--	--
NC+	5445	--	--	--	--	109	92	--	95	--	--	102	--	--	--
NC+	6959	--	103	--	--	--	100	--	--	--	--	--	--	--	--
NC+	7117	--	99	--	--	--	--	--	--	--	--	96	--	--	--
NK	4662	104	--	96	--	--	--	--	--	101	103	107	102	103	89
NK	N7333	100	--	--	--	96	--	--	--	--	102	--	--	--	--
NK	N7590	97	97	100	--	99	94	107	--	101	104	110	--	--	--
NORTHRUP KING	N7931	--	--	--	--	--	--	--	--	--	--	99	--	--	--
NORTHRUP KING	N7989	85	89	--	--	--	--	--	--	--	--	94	--	--	--
NORTHRUP KING	N8020	--	--	101	--	99	95	--	--	--	--	--	--	--	--
NORTHRUP KING	X7375CBR	106	--	--	--	101	--	--	--	--	105	--	--	--	--
NORTHRUP KING	X7634CBR	--	--	--	--	--	--	--	--	--	--	101	--	--	--
NORTHRUP KING	X7675CBR	98	98	--	--	99	--	103	--	105	--	108	--	--	--
OTILIE	2453	--	--	--	--	--	--	--	104	--	--	--	--	--	--
OTILIE	2466	--	--	--	--	--	--	--	93	--	--	--	--	--	--
OTILIE	2467	--	--	--	--	--	--	--	--	--	95	--	108	--	95
OTILIE	2482X	--	--	--	--	--	--	--	--	--	98	--	98	--	--
OTILIE	5050	--	--	--	--	--	--	--	--	--	101	--	112	--	--
OTILIE	5460	--	--	--	--	--	--	--	--	--	--	--	107	--	89
OTILIE	5550	--	--	--	--	--	--	--	--	--	101	--	104	--	90
PATRIOT	2250	100	109	--	--	--	--	--	--	--	--	--	--	--	--
PATRIOT	6142	106	--	--	--	--	--	--	--	--	--	--	--	--	--
PATRIOT	6168	99	102	--	--	--	--	--	--	--	--	--	--	--	--
PATRIOT	7158	--	99	--	--	--	--	--	--	--	--	--	--	--	--
PATRIOT	7170	100	108	--	--	--	--	--	--	--	--	--	--	--	--
PATRIOT	7192	107	--	--	--	--	--	--	--	--	--	--	--	--	--
PFISTER	2650	100	101	--	--	101	--	--	--	107	--	--	--	--	--
PFISTER	3049	110	99	--	--	102	--	--	--	88	--	--	--	--	--
PIONEER	3223	--	--	--	117	108	115	--	--	113	--	115	--	102	--
PIONEER	3225	--	--	--	--	--	--	--	--	--	111	103	105	105	104
PIONEER	3231	90	94	--	102	--	--	--	--	--	--	--	--	--	--
PIONEER	3237	--	--	--	--	--	--	--	--	89	108	109	--	107	99
PIONEER	3260	102	--	--	--	104	106	--	--	110	110	--	--	--	--
PIONEER	3279	--	97	--	--	--	--	--	--	--	--	--	--	--	--
PIONEER	3346	--	--	--	--	--	--	100	--	--	--	--	--	--	--
PIONEER	3394	99	--	--	--	107	103	--	--	--	--	--	--	--	--
PIONEER	3489	--	101	--	100	--	--	--	109	--	--	97	100	99	99
PIONEER	3563	--	--	--	--	--	--	108	--	--	--	--	--	--	--
PIONEER	3568	--	--	--	--	--	--	93	96	--	--	--	92	--	--
PREMIUM SEED	P234	--	--	--	103	--	--	--	--	--	--	--	109	--	--
RENZE	6345	102	--	--	--	--	--	--	--	--	--	--	--	--	--
RENZE	6386	103	--	--	--	--	--	--	--	--	--	--	--	--	--
RENZE	6416	103	--	--	--	--	--	--	--	--	--	--	--	--	--
RENZE	6425	104	--	--	--	--	--	--	--	--	--	--	--	--	--
RENZE	6506	110	--	--	--	--	--	--	--	--	--	--	--	--	--

(continued)

TABLE 15. YIELD AS PERCENT OF TEST AVERAGE FROM STANDARD CORN TESTS, 1996.

BRAND	NAME	DRYLAND TESTS								IRRIGATED TESTS					
		DON	BRO	RIL	SHA	FRA	NEO	REP	THO	SHA	REP	STA	THO	GRE	FIN
STAUFFER	2207	--	--	--	--	--	--	--	--	--	--	108	104	--	
STAUFFER	2436	--	--	--	--	--	--	--	--	--	--	97	--	--	
STAUFFER	2500	--	--	--	--	--	--	--	--	--	--	80	--	--	
STAUFFER	2760	--	--	--	--	--	--	--	--	--	--	--	96	100	
STAUFFER	2787	91	--	--	--	--	--	--	--	--	--	--	--	--	
STAUFFER	2788	--	--	--	--	--	--	--	--	--	--	--	--	105	
STAUFFER	X240	101	--	--	--	--	--	--	--	--	--	--	--	--	
STAUFFER	X270	99	--	--	--	--	--	--	--	--	--	--	95	--	
STAUFFER	X770	--	--	--	--	--	--	--	--	--	--	--	--	103	
TERRA	TR 1167	--	--	--	--	--	93	--	--	--	--	91	--	--	
TERRA	TR1087	--	--	--	--	--	90	--	--	--	--	107	--	--	
TERRA	TR1106	--	--	--	--	--	91	--	--	--	--	103	--	--	
TERRA	TR1157	--	--	--	--	--	104	--	--	--	--	102	--	--	
TERRA	TR1185	--	--	--	--	--	112	--	--	--	--	92	--	--	
TRIUMPH	1220	--	97	--	--	--	--	102	--	--	--	94	100	--	
TRIUMPH	1452	--	--	--	--	--	95	--	--	--	--	103	--	102	
TRIUMPH	1514	--	106	--	--	--	--	103	--	--	--	102	--	107	
TRIUMPH	1522	--	102	--	--	100	102	103	--	--	--	96	--	92	
TRIUMPH	2010	--	--	--	--	103	103	--	--	--	--	96	--	107	
WILSON	1581	--	--	--	--	--	--	--	--	--	--	95	99	--	
WILSON	1664	--	--	--	--	--	--	--	--	--	--	106	104	--	
WILSON	1719	--	--	--	--	--	--	--	--	--	--	105	97	102	
WILSON	1792	99	--	--	--	--	--	--	--	--	--	106	--	95	
WILSON	1833	--	--	--	--	--	--	--	--	--	--	83	--	--	
WILSON	1859	--	--	--	--	--	--	--	--	--	--	99	--	--	
WILSON	1910	--	--	--	--	--	--	--	--	--	--	--	--	99	
WILSON	2330	98	--	--	--	--	--	--	--	--	--	101	--	113	
WILSON	2335	104	--	--	--	--	--	--	--	--	--	91	--	114	
WILSON	E5379	100	--	--	--	--	--	--	--	--	--	--	--	91	
MATURITY CHECK	F-B73 X N204	77	92	97	90	86	95	100	111	90	83	86	104	89	98
MATURITY CHECK	FB73rhmxMO17	93	97	95	104	95	111	90	85	98	85	97	92	94	105
MATURITY CHECK	MID-H-2530	97	97	96	86	94	89	100	107	92	89	93	97	99	106
MATURITY CHECK	SHORT-C4327	82	89	97	79	83	86	77	93	87	81	92	88	83	93
AVERAGES		216	162	152	163	155	176	154	116	192	186	188	226	201	178
CV(%)		7	9	8	7	8	8	6	9	6	5	8	5	7	7
LSD(0.05)**		8	8	NS	9	10	9	7	11	9	6	9	6	8	10

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

Test location codes:

DON = Doniphan Co. Test, Fuhrman Farms, Severance
 BRO = Brown Co. Test, Cornbelt Exp. Field, Powhattan
 RIL = Riley Co. Test, Agronomy North Farm, Manhattan
 FRA = Franklin Co. Test, East Central Exp. Field, Ottawa
 NEO = Neosho Co. Test, Farmer's Field, Erie
 SHA = Shawnee Co. Test, KS River Valley Exp. Field, Rossville

REP = Republic Co. Test, North Central Exp. Fields, Belleville
 THO = Thomas Co. Test, NW Res.-Ext. Center, Colby
 STA = Stafford Co. Test, Sandyland Exp. Field, St. John
 GRE = Greeley Co. Test, SW Res.-Ext Center, Tribune
 FIN = Finney Co. Test, SW Res.-Ext. Center, Garden City

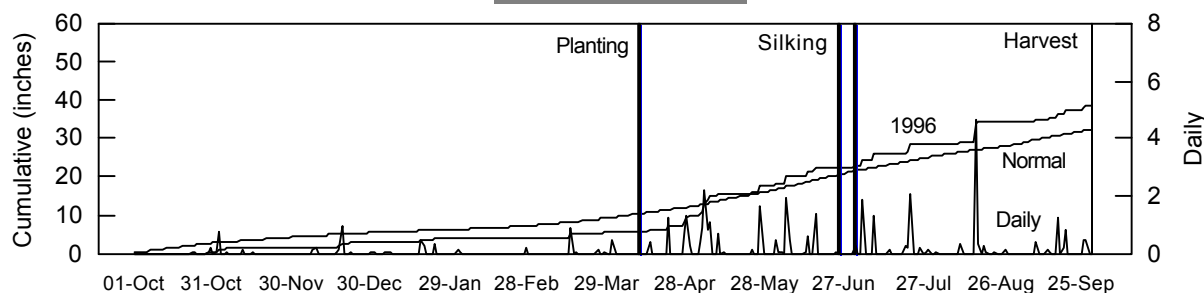
EAST CENTRAL KANSAS SHORT-SEASON CORN TEST

COUNTY: FRANKLIN
LOCATION: East Central Kansas Experiment Field, Ottawa
TEST SITE: Woodson silt loam
1995 CROP: Soybeans
1994 CROP: Corn
FERTILIZER (lbs/acre): 70 N 34 P2O5 11 K2O
PLANTING DATE: 4/10/96
HARVEST DATE: 9/30/96
COOPERATORS:
 Keith Janssen, agronomist; Edwin Horstick, technician

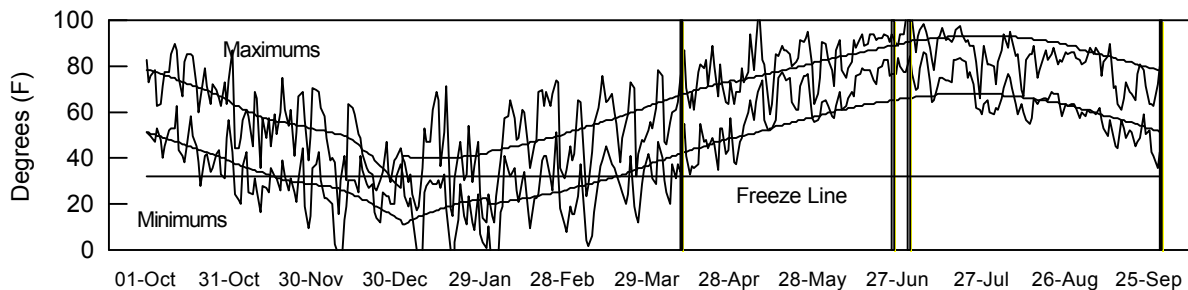
TARGET POPULATION: 20,000 plants/acre,
 10.5 in. spacing
STAND (% of target): 127
YIELD: Average (bu/a): 139
Range (bu/a): 116 - 164
LSD (bu/a): 10
CV (%): 6
SILK DATES: 6/25/96 - 7/1/96
1996 GROWING CONDITONS:

Ideal seedbed conditions resulted in excellent stands. Warm temperatures after planting stimulated good early growth. The test was subjected to only short periods of moisture stress. High temperatures were accompanied by high humidity. Diseases and insects caused no substantial damage.

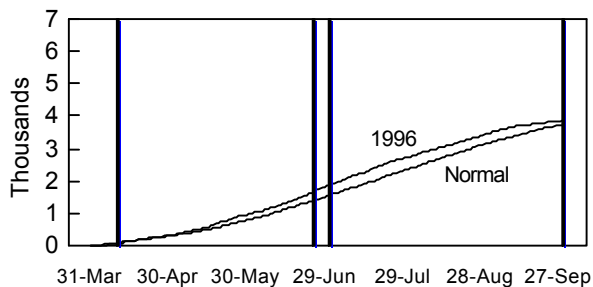
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	4.3	3.0	55	57	312	300
May	7.9	4.1	72	66	647	485
June	5.1	5.0	81	75	884	750
July	6.3	3.9	82	80	924	859
August	5.8	3.1	74	79	708	774
Sept.	3.7	4.1	64	70	442	597
Season Totals	33.0	23.3	71	71	3916	3765

TABLE 16. FRANKLIN CO. SHORT-SEASON CORN PERFORMANCE TEST RESULTS, 1994-96.

BRAND	NAME	ACRE YIELD, BUSHEL			YIELD AS % OF TEST			95-96		1996							
		1996	1995	1994	AVERAGE			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Ear Ht. in.	Plnt Ht. in.	Final Stnd %	Test Wt. lb/bu		
					2-Yr. AVG.	3-Yr. AVG.	1996									1995	1994
GOLDEN HARVEST	H-2404	137	80	93	108	103	99	102	102	79	15	76	14	38	83	129	59
NORTHROP KING	N4242	117	62	80	89	86	84	80	87	78	14	76	14	38	91	128	57
TRIUMPH	9932	116	69	--	93	--	84	89	--	78	14	76	14	37	86	120	59
CIBA	4306	123	--	--	--	--	88	--	--	--	--	77	14	42	89	124	60
MYCOGEN	2550	123	--	--	--	--	89	--	--	--	--	77	14	40	88	126	57
NK	N4640	143	77	--	110	--	103	98	--	80	14	77	14	40	94	129	58
PIONEER	3737	144	63	87	104	98	104	81	95	79	14	77	14	41	90	127	58
CARGILL	4127	116	--	--	--	--	83	--	--	--	--	78	14	43	93	132	59
CARGILL	3677	122	--	--	--	--	87	--	--	--	--	78	14	43	94	129	60
DEKALB	DK569	142	92	--	117	--	102	118	--	80	14	78	14	41	88	118	57
HOEGEMEYER	2575	140	--	--	--	--	100	--	--	--	--	78	14	40	91	128	59
HOEGEMEYER	2592	137	--	--	--	--	99	--	--	--	--	78	14	40	87	135	58
HOEGEMEYER	2615	136	--	--	--	--	98	--	--	--	--	78	14	38	87	132	58
KAYSTAR	KX - 711	148	--	--	--	--	107	--	--	--	--	78	14	39	87	129	60
NC+	1991	146	82	100	114	109	105	105	109	80	14	78	14	40	90	129	57
NORTHROP KING	N5866	154	--	--	--	--	111	--	--	--	--	78	14	38	84	129	59
PIONEER	3568	150	--	--	--	--	107	--	--	--	--	78	14	41	95	127	60
CIBA	4393	137	66	87	101	97	99	84	95	80	15	78	15	38	90	122	59
CARGILL	4327	124	--	96	--	--	89	--	104	--	--	79	14	42	93	131	58
DEKALB	DK580	143	91	108	117	114	103	116	118	81	15	79	14	41	89	127	59
MATURITY CHECK	SHORT-C4327	123	83	101	103	102	89	106	110	80	14	79	14	42	92	129	58
NC+	3544	153	--	--	--	--	110	--	--	--	--	79	14	41	88	126	58
ICI	8481IT	141	--	--	--	--	101	--	--	--	--	79	15	38	86	122	59
DELANGE	DS 1204	154	68	98	111	106	110	87	106	82	14	80	14	42	95	121	57
GARST	8560	148	--	--	--	--	106	--	--	--	--	80	14	41	88	126	57
MATURITY CHECK	MID-H-2530	164	82	--	123	--	118	105	--	82	15	80	14	40	90	131	58
NC+	4616	150	97	109	123	119	108	125	119	83	16	80	14	40	93	129	59
PIONEER	3563	151	90	102	120	114	108	115	111	82	15	80	14	44	98	121	58
MATURITY CHECK	F-B73 X N204	136	41	--	88	--	98	52	--	83	17	81	15	44	94	118	60
MATURITY CHECK	FB73rhmxMO17	157	90	84	123	110	113	116	91	84	17	82	15	45	94	130	58
AVERAGES		139	78	92	109	103	139	78	92	81	15	78	14	40	90	127	58
CV(%)		6	12	12	--	--	6	12	12	--	--	1	4	4	3	5	1
LSD(0.05)**		10	11	15	--	--	8	15	17	--	--	1	1	2	3	7	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

SOUTHEASTERN KANSAS SHORT-SEASON CORN TEST

COUNTY: LABETTE

LOCATION: Southeast Agricultural Research Center, Parsons

TEST SITE: Parsons silt loam

1995 CROP: Oats

1994 CROP: Corn

FERTILIZER (lbs/acre): 100 N 50 P2O5 50 K2O

PLANTING DATE: 4/8/96

HARVEST DATE: 9/3/96

COOPERATORS:

James Long, agronomist

TARGET POPULATION: 20,000 plants/acre,
10.5 in. spacing

STAND (% of target): 114

YIELD: Average (bu/a): 99

Range (bu/a): 87 - 120

LSD (bu/a): 10

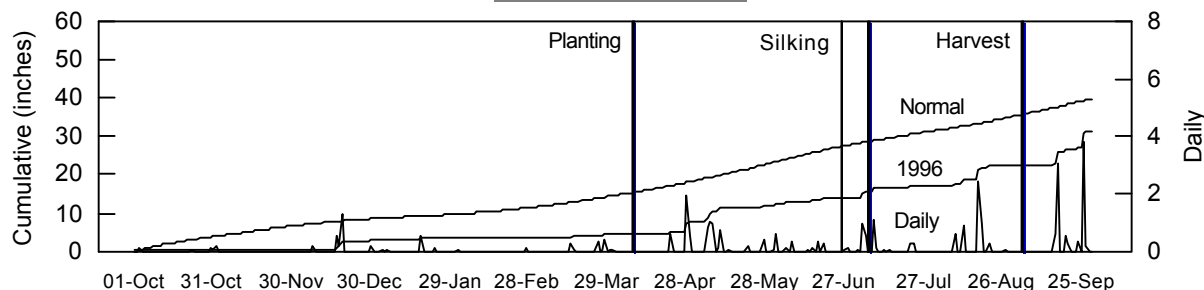
CV (%): 9

SILK DATES: 6/26/96 - 7/6/96

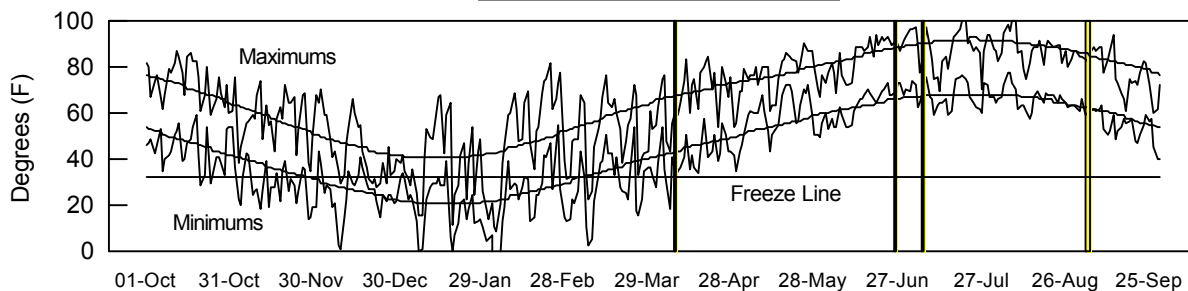
1996 GROWING CONDITONS:

Cool soils delayed planting somewhat and may have slowed emergence. Soil conditions were dry at planting. Heavy rains alternated with dry periods for most of the growing season. The test did not appear to be subjected to moisture stress. The precipitation received at silking around July 4 enabled the test to produce decent grain yields.

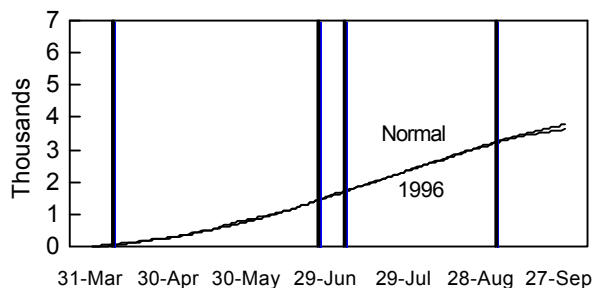
PRECIPITATION



DAILY TEMPERATURES



GROWING DEGREE DAYS



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	3.2	3.9	54	58	282	304
May	4.3	4.9	69	66	562	485
June	2.0	4.9	75	75	718	750
July	3.3	3.5	78	80	827	861
August	5.1	3.8	77	78	769	786
Sept.	8.8	4.5	66	70	500	615
Season Totals	26.6	25.4	70	71	3658	3799

TABLE 17. LABETTE CO. SHORT-SEASON CORN PERFORMANCE TEST RESULTS, 1994-1996.

BRAND	NAME	ACRE YIELD, BUSHELS						YIELD AS % OF TEST AVERAGE			95-96		1996				
		1996	1995	1994	2-Yr.	3-Yr.	1996	1995	1994	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Ear Ht. in.	Plnt Ht. in.	Stlk Ldg %	Test Wt. lb/bu
					AVG.	AVG.											
CIBA	4306	103	--	--	--	--	104	--	--	--	--	79	14	31	58	10	58
NORTHROP KING	N4242	94	107	105	101	102	95	85	103	88	13	80	12	27	56	0	56
CARGILL	3677	99	--	--	--	--	100	--	--	--	--	80	13	32	62	1	58
TERRA	TR910	92	--	--	--	--	93	--	--	--	--	80	13	32	61	0	59
TERRA	TR1026	114	--	--	--	--	115	--	--	--	--	80	14	30	60	2	57
GOLDEN HARVEST	H-2404	103	122	101	113	109	104	97	99	88	15	80	15	28	57	3	58
MYCOGEN	2550	88	--	--	--	--	89	--	--	--	--	81	13	28	58	0	55
NK	N4640	119	125	--	122	--	120	99	--	90	13	81	13	29	60	0	56
PIONEER	3737	100	120	104	110	108	101	95	102	89	13	81	13	27	59	3	57
CARGILL	4127	107	--	--	--	--	108	--	--	--	--	82	13	27	61	0	57
DEKALB	DK527	96	--	--	--	--	96	--	--	--	--	82	13	26	60	7	56
PATRIOT	4027	93	--	--	--	--	94	--	--	--	--	82	13	29	59	0	56
TERRA	E966	87	--	--	--	--	88	--	--	--	--	82	13	27	59	4	56
TRIUMPH	9932	91	118	--	104	--	92	93	--	89	13	82	13	27	59	3	56
CARGILL	4327	91	--	98	--	--	92	--	97	--	--	82	14	33	65	5	57
CIBA	4393	96	--	--	--	--	96	--	--	--	--	82	15	30	65	1	56
NORTHROP KING	N5866	99	--	--	--	--	100	--	--	--	--	82	15	27	57	7	57
NC+	1991	89	121	99	105	103	89	96	98	90	13	83	13	24	58	0	56
NC+	3544	107	--	--	--	--	108	--	--	--	--	83	14	27	58	1	56
PIONEER	3568	108	--	--	--	--	109	--	--	--	--	83	14	28	62	4	57
MATURITY CHECK	MID-H-2530	100	139	--	119	--	101	110	--	92	14	84	13	28	60	9	56
MATURITY CHECK	SHORT-C4327	94	133	102	113	109	95	105	100	92	14	84	13	24	59	0	56
PIONEER	3563	120	131	105	125	119	121	104	103	92	15	84	14	28	61	0	58
PATRIOT	4055	92	--	--	--	--	93	--	--	--	--	85	13	25	59	5	55
DEKALB	DK580	105	151	123	128	126	106	119	121	92	15	85	14	30	60	2	57
GARST	8541	96	--	--	--	--	97	--	--	--	--	85	14	30	61	4	56
GARST	8560	102	--	--	--	--	103	--	--	--	--	85	14	29	58	4	55
MYCOGEN	5440	99	--	112	--	--	100	--	111	--	--	85	14	29	62	3	54
PATRIOT	5072	107	--	--	--	--	108	--	--	--	--	85	14	32	64	0	55
NC+	4616	97	142	--	119	--	98	112	--	93	17	86	16	26	59	2	56
MATURITY CHECK	FB73rhmxMO17	101	135	114	118	116	101	107	112	93	18	86	17	33	63	5	54
DELANGE	DS 1204	93	116	95	104	101	94	92	93	93	14	87	14	28	63	2	53
MATURITY CHECK	F-B73 X N204	91	148	--	119	--	91	117	--	96	20	89	19	32	66	5	55
AVERAGES		99	126	102	113	109	99	126	102	91	15	83	14	29	60	3	56
CV(%)		9	7	14	--	--	9	7	14	--	--	1	3	12	6	118	1
LSD(0.05)**		10	11	17	--	--	10	9	17	--	--	1	1	4	5	4	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

SOUTH CENTRAL KANSAS SHORT-SEASON CORN TEST, IRRIGATED

COUNTY: STAFFORD

LOCATION: Sandyland Experiment Field, St. John

TEST SITE: Naron loamy fine sand

1995 CROP: Wheat

1994 CROP: Fallow

FERTILIZER (lbs/acre): 200 N 50 P2O5 0 K2O

PLANTING DATE: 4/23/96

HARVEST DATE: 10/1/96

COOPERATORS:

Victor Martin, agronomist; Jerry Dove and Yogi Behr, technicians

TARGET POPULATION: 32,200 plants/acre,

6.5 in. spacing

STAND (% of target): 118

YIELD: Average (bu/a): 169

Range (bu/a): 143 - 190

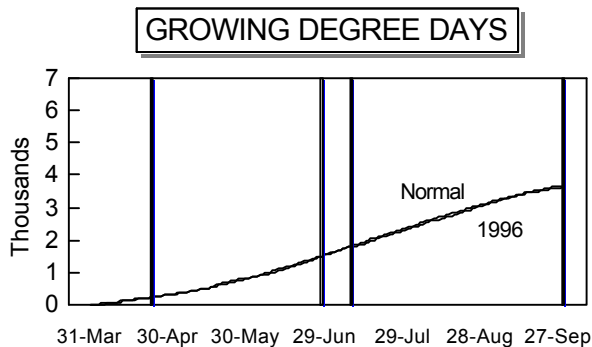
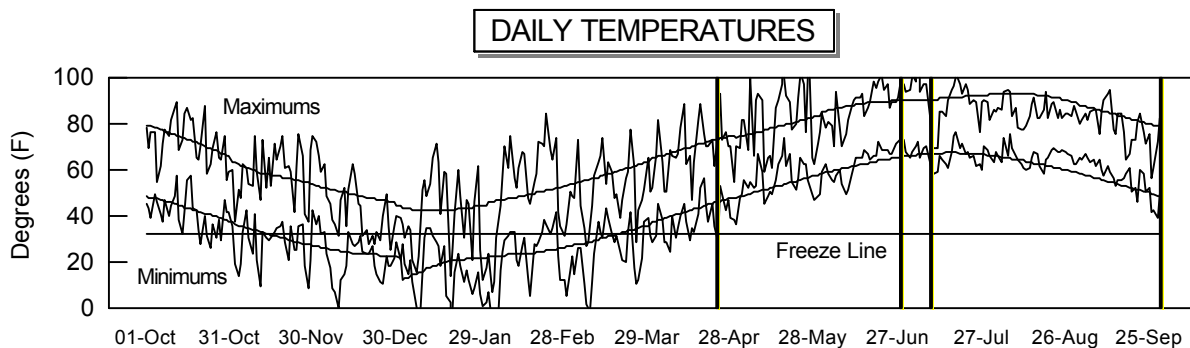
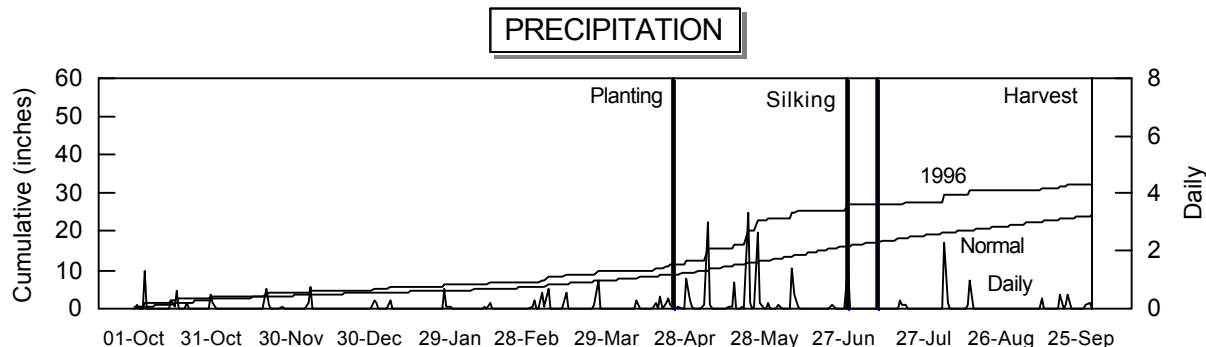
LSD (bu/a): 14

CV (%): 7

SILK DATES: 6/28/96 - 7/9/96

1996 GROWING CONDITONS:

No-till planting prevented early-season wind damage.
Relatively mild summer conditions facilitated good yields.



GROWING-SEASON WEATHER SUMMARY

Month	Precipitation		Average Temp.		GDD	
	1996	Normal	1996	Normal	1996	Normal
April	2.9	2.1	54	57	300	320
May	10.8	3.3	69	66	516	493
June	3.6	3.8	76	76	740	756
July	0.5	2.9	78	79	807	851
August	3.5	2.4	76	78	753	734
Sept.	1.6	2.5	68	69	538	559
Season Totals	22.9	16.9	70	71	3654	3714

**TABLE 18. STAFFORD CO. IRRIGATED SHORT-SEASON CORN
PERFORMANCE TEST RESULTS, 1994-96.**

BRAND	NAME	ACRE YIELD, BUSHEL			YIELD AS % OF TEST			95-96		1996						
		1996	1995	1994	2-Yr. 3-Yr.		AVERAGE	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Stk Ldg %	Test Wt. lb/bu		
					AVG.	AVG.									1996	1995
PIONEER	3737	155	--	--	--	--	92	--	--	--	66	13	124	1	58	
GOLDEN HARVEST	H-2404	143	--	--	--	--	85	--	--	--	66	14	120	1	60	
CARGILL	4127	164	--	--	--	--	97	--	--	--	68	14	113	3	59	
CARGILL	3677	154	--	--	--	--	91	--	--	--	68	14	114	3	60	
PIONEER	3568	166	--	--	--	--	98	--	--	--	70	14	118	3	59	
MATURITY CHECK	SHORT-C4327	156	144	161	150	154	92	94	103	65	15	70	15	120	2	58
NC+	1991	162	--	--	--	--	96	--	--	--	71	14	122	3	57	
PIONEER	3563	171	161	171	166	168	101	105	109	66	14	71	14	126	1	61
CIBA	4394	176	171	--	173	--	104	111	--	66	15	72	15	117	5	59
DEKALB	DK580	173	--	--	--	--	103	--	--	--	73	15	113	0	58	
CARGILL	4327	166	--	150	--	--	98	--	96	--	73	16	122	5	58	
DEKALB	DK591	183	170	177	177	177	108	110	113	67	15	73	16	107	3	57
GARST	8543	190	--	--	--	--	112	--	--	--	73	16	117	3	57	
MYCOGEN	2689	177	--	--	--	--	105	--	--	--	74	15	129	4	58	
TRIUMPH	1220	174	--	--	--	--	103	--	--	--	74	15	115	2	57	
NC+	4616	179	168	151	173	166	106	109	96	68	16	74	16	122	4	57
DELANGE	DS 1204	179	158	--	168	--	106	103	--	68	15	75	15	111	5	55
MATURITY CHECK	MID-H-2530	175	144	--	160	--	104	93	--	70	15	76	16	122	2	56
MATURITY CHECK	F-B73 X N204	155	140	--	147	--	92	91	--	70	18	76	20	96	2	56
MATURITY CHECK	FB73rhmxMO17	180	157	140	169	159	107	102	90	70	17	77	18	122	1	56
AVERAGES		169	154	157	161	160	169	154	157	66	15	72	15	118	3	58
CV(%)		7	9	8	--	--	7	9	8	--	--	2	4	6	106	1
LSD(0.05)**		14	17	21	--	--	8	11	13	--	--	2	1	8	3	1

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

TABLE 19. YIELD AS PERCENT OF TEST AVERAGE FROM SHORT-SEASON PERFORMANCE TESTS, 1996.

BRAND	NAME	DRYLAND		IRRIGATED	AVERAGE
		FRANKLIN	LABETTE	STAFFORD	
CARGILL	3677	87	100	91	93
CARGILL	4127	83	108	97	96
CARGILL	4327	89	92	98	93
CIBA	4306	88	104	--	--
CIBA	4393	99	96	--	--
CIBA	4394	--	--	104	--
DEKALB	DK527	--	96	--	--
DEKALB	DK569	102	--	--	--
DEKALB	DK580	103	106	103	104
DEKALB	DK591	--	--	108	--
DELANGÉ	DS 1204	110	94	106	103
GARST	8541	--	97	--	--
GARST	8543	--	--	112	--
GARST	8560	106	103	--	--
GOLDEN HARVEST	H-2404	99	104	85	96
HOEGEMEYER	2575	100	--	--	--
HOEGEMEYER	2592	99	--	--	--
HOEGEMEYER	2615	98	--	--	--
ICI	8481IT	101	--	--	--
KAYSTAR	KX - 711	107	--	--	--
MYCOGEN	2550	89	89	--	--
MYCOGEN	2689	--	--	105	--
MYCOGEN	5440	--	100	--	--
NC+	1991	105	89	96	97
NC+	3544	110	108	--	--
NC+	4616	108	98	106	104
NK	N4640	103	120	--	--
NORTHRUP KING	N4242	84	95	--	--
NORTHRUP KING	N5866	111	100	--	--
PATRIOT	4027	--	94	--	--
PATRIOT	4055	--	93	--	--
PATRIOT	5072	--	108	--	--
PIONEER	3563	108	121	101	110
PIONEER	3568	107	109	98	105
PIONEER	3737	104	101	92	99
TERRA	E966	--	88	--	--
TERRA	TR1026	--	115	--	--
TERRA	TR910	--	93	--	--
TRIUMPH	1220	--	--	103	--
TRIUMPH	9932	84	92	--	--
MATURITY CHECK	F-B73 X N204	98	91	92	94
MATURITY CHECK	FB73rhmxMO17	113	101	107	107
MATURITY CHECK	MID-H-2530	118	101	104	108
MATURITY CHECK	SHORT-C4327	89	95	92	92
AVERAGES		139	99	169	136
CV(%)		6	9	7	--
LSD(0.05)**		8	10	8	--

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.

APPENDIX 1: Entrants in the 1996 Kansas Corn Performance Tests

AGSECO, DeLange

Steve Ahring
Delange Seed (AGSECO)
P.O. Box 7
Girard, KS 66743
316-724-6223

DeKalb

DeKalb Plant Genetics Corp.
3100 Sycamore Rd.
DeKalb, IL 60115
815-756-7333

Hawkeye

Arlen Eggerling
Hawkeye Hybrids, Inc.
2165 Idaho Drive
Pella, IA 50219
515-628-3827

AgriPro

AgriPro Seeds, Inc.
R.R. 2, East Highway 30
Ames, IA 50010
800-373-1741

FTEX

Jerry Lorenzen
FTE Genetics
502 N. Harrison St.
Fremont, IA 52561
515-933-4198

Hoegemeyer

Don Moeller
Hoegemeyer Hybrids
1755 Hoegemeyer Rd.
Hooper, NE 68031-2125
402-654-3399

Asgrow

Greg Wandrey
Asgrow Seed Co.
2605 E. Kilgore
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616-384-5596

Fontanelle

Steven P. Pike
Fontanelle Hybrids
R.R. 1, Box 18
Nickerson, NE 68044
402-721-1410

ICI

Virgil Sparks
ICI Seeds
2369 330th St.
Slater, IA 50244
800-831-6630

Bo-Jac

Robert Foley
Bo-Jac Hybrid Seed Co.
245 1500th Ave.
Mt. Pulaski, IL 62548
800-397-2069

Giant

Giant Seed Co.
1638 S. Roosevelt Rd. 12
Portales, NM 88130
800-BIG-CORN

Kaystar

Ken King
Kaystar Seed
P.O. Box 947
Huron, SD 57350
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Cargill

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Cargill Hybrid Seeds
P.O. Box 5645
Minneapolis, MN 55440
612-742-6743

Golden Harvest

Bill Green
J.C. Robinson Seed Co.
100 J.C. Robinson Blvd.
P.O. Box A
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800-228-9906

L.G. Seeds

Mitch Jensen
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Ciba

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HPH

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316-544-4330

Lewis

Scott Lewis
Lewis Hybrids Inc.
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W. Maple St.
Ursa, IL 62376
217-964-2131

APPENDIX 1: Entrants in the 1996 Kansas Corn Performance Tests

MSG

Leonard Luebker
Midwest Seed Genetics, Inc.
P.O. Box 518
Carroll, IA 51401
800-369-8218

Patriot

Ruth Cheesman
Patriot Seed, Inc.
208 S. Worrell, Box 97
Bowen, IL 62316
217-842-5612

Terra

Harold Davis
Terra International, Inc.
600 Fourth St.
P.O. Box 6000
Sioux City, IA 51102-6000
712-233-3609

Miller Preferred

Donald Miller
Miller Grass Seed Co.
1600 Cornhusker Hwy
Lincoln, NE 68521
402-438-1232

Pfister

Daniel E. Pfister
Pfister Hybrid Corn Co.
P.O. Box 187
El Paso, IL 61738
309-527-6000

Triumph

Lynn McDonald
Triumph Seed Co. Inc.
P.O. Box 1050
Rails, TX 79357
806-253-2584

Mycogen

Kelly Montgomery
Mycogen Seeds
P.O. Box 21428
St Paul, MN 55121-1428
800-321-2867

Pioneer

Jim Schrib
Pioneer Hi-Bred Intl, Inc.
1616 S. Kentucky St.
Suite C-150
Amarillo, TX 79102
806-356-0160

Wilson

Jerry F. Strissel
Wilson Seeds, Inc.
P.O. Box 391
Harlan, IA 51537
712-755-3841

NC+

Wee Zart
NC+ Hybrids
P.O. Box 4408
Lincoln, NE 68504
402-467-2517

Premium Seed

Betty M. Shaw
Premium Seed, Inc.
P.O. Box 218
Berwick, IL 61417
800-345-7798

Northrup King

Marcus Schwartz
Northrup King Co.
1060 Wheatland
Buhler, KS 67522
316-543-2707

Renze

Tim Renze
Renze Hybrids
Route 3, Box 235
Carroll, IA 51401
712-669-3301

Otilie

Tom Simpson
Otilie RO Seeds
1850 County Rd. 15
Box 914
Colby, KS 67701
913-462-3709

Stauffer

Sharon Carter-Babe
Stauffer Seeds
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Aurora, NE 68818
800-676-7759

APPENDIX 2: Entries in the 1996 Kansas Standard Corn Performance Tests

AGRIPRO	GDD	DBL*	DEKALB	GDD	DBL*	HAWKEYE	GDD	DBL*
AP 9565	2490	111	DK566	2660	106	SX55	2595	110
AP 9616	2525	113	DK580	2710	108	SX62	2620	112
AP 619	2560	114	DK591	2750	108	SX66	2635	113
AP 9636	2590	114	DK626	2800	112	SX81	2635	113
AP 9707	2710	117	DK641	2775	114	8981	2670	115
HS 9843	2780	118	DK642	2845	114			
			DK652	2830	115	HOEGEMEYER	GDD	DBL*
ASGROW	GDD	DBL*	DK668	2870	116	2614	2500	
RX701	2530	110	DK683	2930	118	2682	2650	
RX760	2560	112	DK715	2960	121	2730	2700	
RX770	2570	112				2626	2550	111
RX789	2570	114	DELANGÉ	GDD	DBL*	2655	2580	113
RX790	2580	114	DS 1995	2800	114	2693	2660	116
RX897	2585	118				2689	2690	116
			FONTANELLE	GDD	DBL*			
BO-JAC	GDD	DBL*	5306	2300		HPH	GDD	DBL*
415		109	5335	2450		KS 2186		
438	2590	109	5676	2600		KS 5145		114
580	2680	114	6162	2550	116	KS 5119		119
605		115	6340	2600	117			
614		115				KAYSTAR	GDD	DBL*
			FTEX	GDD	DBL*	KX - 777	2600	110
CARGILL	GDD	DBL*	96117A	2665	117	KX - 909	2650	114
6303	2730	110	96118A	2690	118			
6327	2730	110				LEWIS	GDD	DBL*
6888	2750	112	GARST	GDD	DBL*	5446	2560	110
6997	2750	112	8541	2560	104	5584	2570	111
7770	2790	114	8543	2580	109	6287	2650	115
7777	2790	114	8342	2610	114	6294	2670	117
7997	2820	116	8325	2610	115	8356	2700	118
8327	2850	116	8314	2630	116	8492	2720	119
8328	2850	116	8281	2660	116			
			EXP N3241	2675	117	LG SEEDS	GDD	DBL*
CIBA	GDD	DBL*	8285	2670	118	LG2579	2525	109
4494	2700	112				NB6842	2550	110
4575	2810	116	GIANT	GDD	DBL*			
			GB 3131	2470	113	MILLER PREF.	GDD	DBL*
			GB 3145	2520	114	MP-1123	2450	
			GB 3163	2600	116	MP-1091	2400	109
						MP-1131	2450	111
			GOLDEN HARVEST	GDD	DBL*	MP-1141	2500	113
			H-2547	2650	113	MP-1161	2550	116
			H-2581	2720	115			
			H-2641	2780	117			

*GDD = Growing Degree Units; DBL = Days to Black Layer; Values provided by entrants.

(continued)

APPENDIX 2: Entries in the 1996 Kansas Standard Corn Performance Tests

MSG			OTTLIE			STAUFFER		
	GDD	DBL*		GDD	DBL*		GDD	DBL*
G 7711	2600	111	2453	2610	109	2500	2525	100
O 331	2720	113	5050	2636	110	X240		108
G 8452	2740	114	2467	2636	112	2436	2670	111
G 8511	2730	115	2466	2640	113	2207	2780	111
G 8620	2775	116	5460	2700	114	X270		115
G 8771	2810	119	2482X	2718	114	2760	2850	115
			5550	2756	115	X770		116
MYCOGEN			PATRIOT			TERRA		
	GDD	DBL*		GDD	DBL*		GDD	DBL*
5480	2525	106	6142	2736	114	2787	2900	116
2689	2640	109	7158	2760	115	2788	2950	116
2725	2735	111	6168	2784	116	TR1087	2520	108
7250	2770	113	7170	2808	117	TR1106	2600	110
2815	2795	115	7192	2856	119	TR1157	2700	115
2868	2805	117	2250	2928	122	TR 1167	2730	116
7885	2810	117				TR1185	2710	118
8460	2855	119	PFISTER			TRIUMPH		
				GDD	DBL*		GDD	DBL*
			2650	2600	107	1220		111
NC+	GDD	DBL*	3049		114	1452		114
4616	2425	105	PIONEER			1514		115
4646	2400	110		GDD	DBL*	1522		115
4919	2450	111	3563	2530	105	2010		120
5037	2475	111	3489	2640	109			
5445	2515	113	3568	2640	109			
6959	2590	117	3394	2700	111	WILSON		
7117	2590	118	3231	2720	112		GDD	DBL*
			3279	2720	112	1581	2750	109
NK	GDD	DBL*	3346	2720	112	1664	2775	111
N7333	2760	113	3225	2750	113	1719	2800	112
N7590	2770	114	3260	2780	114	1792	2900	114
4662	2880	118	3237	2810	115	1833	2925	115
			3223	2860	117	1859	2950	116
NORTHRUP KING			PREMIUM SEED			MATURITY CHECK		
	GDD	DBL*		GDD	DBL*		GDD	DBL*
X7375CBR	2760	113	P234	2679	114	1910	2950	116
X7675CBR	2770	114				2330	2975	120
X7634CBR	2800	115	RENZE			2335	2975	120
N7931	2810	117		GDD	DBL*	E5379	2975	120
N7989	2830	118	6345	2585	115			
N8020	2840	118	6386	2590	115	SHORT-C4327		105
			6425	2610	116	MID-H-2530		113
			6416	2630	117	PIONEER 3162	2780	114
			6506	2645	117	F-B73 X N204		116
						FB73rhmxMO17		118

*GDD = Growing Degree Units; DBL = Days to Black Layer; Values provided by entrants.

APPENDIX 3: Entries in the 1996 Kansas Short-season Corn Performance Tests

CARGILL	GDD	DBL	PR	FE*	NK	GDD	DBL	PR	FE*					
3677	2620	96	Y	Y	N4640	2545	102	N	N					
4127	2620	100	Y	Y	NORTHRUP KING	GDD	DBL	PR	FE*					
4327	2640	101	Y	Y						N4242	2510	100	N	N
										N5866	2600	104	N	N
CIBA	GDD	DBL	PR	FE*	PATRIOT	GDD	DBL	PR	FE*					
4306	2550	102	?	?	4027	2448	102	N	Y					
4393	2650	104	?	?	4055	2520	105	N	Y					
4394	2700	108	?	?	5072	2568	107	N	Y					
DEKALB	GDD	DBL	PR	FE*	PIONEER	GDD	DBL	PR	FE*					
DK527	2555	100	Y	Y	3737	2470	97	N	Y					
DK569	2670	106	Y	Y	3563	2530	103	N	Y					
DK580	2710	108	Y	Y	3568	2600	104	N	Y					
DK591	2750	108	Y	Y										
DELANGE	GDD	DBL	PR	FE*	TERRA	GDD	DBL	PR	FE*					
DS 1204	2500	104	Y	Y	TR910	2250	91	N	Y					
					E966	2350	96	N	Y					
GARST	GDD	DBL	PR	FE*	TR1026	2450	102	N	Y					
8541	2560	104	N	Y	TRIUMPH	GDD	DBL	PR	FE*					
8560	2550	105	Y	Y						9932	2250	100		
8543	2580	109	N	Y						1220		111	?	?
GOLDEN HARVEST	GDD	DBL	PR	FE*	MATURITY CHECK	GDD	DBL	PR	FE*					
H-2404	2500	102	Y	N	SHORT-C4327	2600	101	Y	Y					
					MID-H-2530		111							
HOEGEMEYER	GDD	DBL	PR	FE*	F-B73 X N204		116							
2575	2420		?	Y	FB73rhmxMO17		118							
2592	2460		?	SEMI										
2615	2500		?	SEMI										
ICI	GDD	DBL	PR	FE*										
8481IT	2590	105	Y	N										
KAYSTAR	GDD	DBL	PR	FE*										
KX - 711	2550	108	N	Y										
MYCOGEN	GDD	DBL	PR	FE*										
2550	2510	102	Y	SEMI										
5440	2590	106	N	Y										
2689	2640	109	N	Y										
NC+	GDD	DBL	PR	FE*										
1991	2300	99	Y	Y										
3544	2425	105	Y	Y										
4616	2425	105	Y	Y										

*GDD=Growing Degree Units; DBL=Days to Black Layer; PR=Prolific; FE=Flex Ear; Values provided by entrants.

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