

2004

KANSAS PERFORMANCE TESTS WITH CORN HYBRIDS

REPORT OF PROGRESS 932

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service

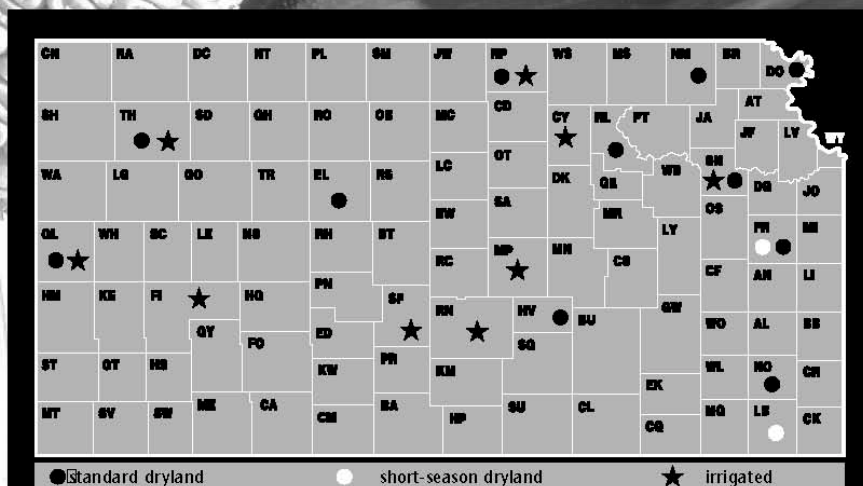


TABLE OF CONTENTS

2004 Corn Crop Review

Statewide Growing Conditions, Diseases, Insects	1
Harvest Statistics.....	2

2004 Performance Tests

Objectives and Procedures		2
Companies Entering 2004 Tests	Table 1	3
Northeast		
Severance, Doniphan County	Table 2	4
Centralia, Nemaha County	Table 3	6
Belleville, Republic County	Table 4	8
Manhattan, Riley County	Table 5	10
2004 Yield Summary	Table 6	12
Multi-year Summary	Figure 4	13
Northeast Irrigated		
Topeka, Shawnee County	Table 7	14
Clay Center, Clay County	Table 8	16
Scandia, Republic County	Table 9	18
2004 Yield Summary	Table 10	20
Multi-year Summary	Figure 5	21
East		
Topeka, Shawnee County	Table 11	22
Ottawa, Franklin County	Table 12	24
Erie, Neosho County	Table 13	26
2004 Yield Summary	Table 14	28
Multi-year Summary	Figure 6	29
Short-season		
Ottawa, Franklin County	Table 15	30
Parsons, Labette County	Table 16	31
Hesston, Harvey County	Table 17	32
2004 Yield Summary	Table 18	34
Multi-year Summary	Figure 7	35
South-central Irrigated		
Inman, McPherson County	Table 19	36
Hutchinson, Reno County	Table 20	38
St. John, Stafford County	Table 21	40
2004 Yield Summary	Table 22	42
Multi-year Summary	Figure 8	43
West No-till Dryland		
Hays, Ellis County	Table 23	44
Colby, Thomas County	Table 24	45
Tribune, Greeley County	Abandoned; hail, green snap	
2004 Yield Summary	Table 25	46
Multi-year Summary	Figure 9	46
West Irrigated		
Colby, Thomas County	Table 26	47
Tribune, Greeley County	Table 27	49
Garden City, Finney County	Table 28	51
2004 Yield Summary	Table 29	53
Multi-year Summary	Figure 10	54
Appendix: Entries in the 2004 Kansas Corn Performance Tests		55
Electronic Access, University Research Policy, and Duplication Policy		back cover

2004 CORN CROP REVIEW

Statewide Growing Conditions

The 2004 growing season differed from the previous two years, with above-average precipitation in July and August rather than a prolonged dry period. In 2004, a relatively short dry period in late May and early June was followed by heavy rains in late June and July that replenished topsoil moisture (Figure 1). Topsoil moisture became somewhat depleted in late August and September, but by then much of the corn had reached maturity. Corn planting, emergence, and silking were all ahead of the 5-year average. Relatively cool temperatures in July, August, and September slowed corn growth and development so that the crop reached the dough and dent stages at about the same time as in past years. Maturation and harvest significantly lagged behind that of previous years.

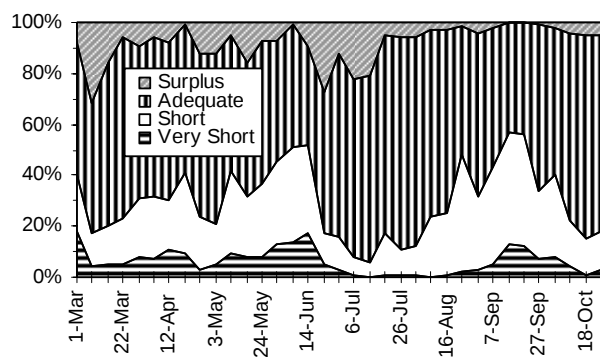


Figure 1. Statewide status of topsoil moisture.

The June and July precipitation helped to improve and maintain the condition of the corn crop. The condition of the corn crop improved beginning in mid-June. Roughly 50% of the crop was rated as good or excellent in mid-June. By late July, that percentage had increased to 80%. Crop condition declined only slightly later in the season (Figure 2). This was almost the opposite of what happened in the past two years, when drought conditions in July and August caused a severe decline in the condition of the crop.

(Crop-Weather Reports, Kansas Agricultural Statistics, Topeka)

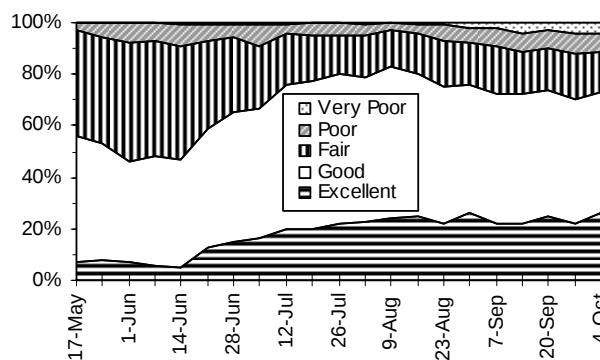


Figure 2. Condition of 2004 Kansas corn crop.

Diseases

Although the 2004 Kansas corn crop was not disease free, it was one of the healthiest crops in recent years. Early in the season, cold-weather crown decay was present, but to a much lesser extent than in 2003. There were few reports of poor stand establishment due to seedling diseases.

In mid-season, gray leaf spot was present, but did not reach damaging severities until late in the season, so minimal yield loss was associated with this disease. There was very limited fungicide application for this disease this year because of its late buildup. There were reports from northeastern Kansas of above-normal amounts of southern rust on certain susceptible hybrids. Some spot spraying was done but, in general, most hybrids escaped serious yield loss from this disease.

Stalk rots were present across the state in normal amounts. There was a shift in stalk rot organisms however, from *Fusarium* stalk rot and charcoal rot reported in recent years. The most common stalk rots in 2004 were *Gibberella* stalk rot, *Anthrachnose* stalk rot, and *Diplodia* stalk rot. All three are more common in years when above-normal rainfall occurs at flowering.

Ear rots were not widespread, but *Diplodia* ear rot was by far the most common. Fortunately, *Diplodia* does not produce any potent toxins similar to aflatoxin, produced by *Aspergillus* ear rot, or vomitoxin, produced by *Gibberella* ear rot.

(Doug Jardine, Kansas State University Department of Plant Pathology)

Insects

Insect problems in corn during 2004 were average or less. Scattered reports of early-season pests (i.e. wireworms, white grubs, black cutworms, and chinch bugs) were received, especially from southeastern and south-central Kansas. More growers taking advantage of insecticide seed treatments, coupled with good early-season growing conditions helped reduce early-season insect damage. Rootworm populations were average across the state. As more growers take advantage of B.T. corn in traditional rootworm-plagued areas, the impact of root feeding by larval rootworms has been reduced. European corn borer populations remained small, but southwestern corn borer infestations were average throughout the southwest corner of the state. Spider-mite populations were also less than average, probably because of the cooler summer temperatures and timely precipitation.

(Jeff Whitworth, Kansas State University Department of Entomology)

Harvest Statistics

The October 12 Crops Report predicted a 407-million-bushel crop, up 36% from last year (Figure 3). In 2004, 2.75 million acres were harvested, up 10% from 2003. The predicted average yield of 148 bushels per acre is 28 bushels more than the 2003 average. (Kansas Agricultural Statistics)

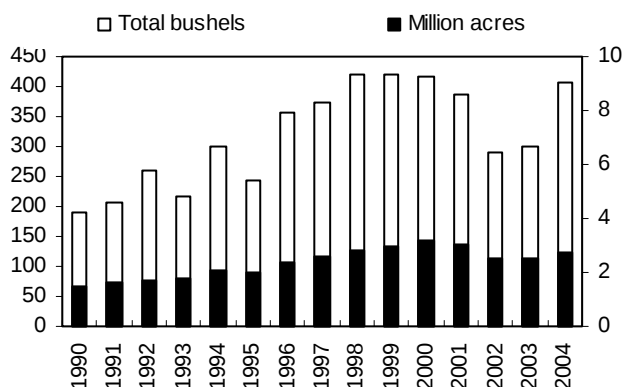


Figure 3. Historical Kansas corn production.

2004 PERFORMANCE TESTS

Objectives and Procedures

Corn Performance Tests, conducted annually by the Kansas Agricultural Experiment Station, provide farmers, extension workers, and seed industry 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 the same group of hybrids is not grown uniformly at all test locations.

Short-season corn performance tests target hybrids for early-planted, short-season cropping systems. These systems typically are used on soils with poor water-holding capacities, often subjecting the hybrids to severe heat and drought stress in July and August. Early-maturing hybrids can escape a good portion of the typical stress if they are planted early.

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 2004 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. General trends in precipitation and temperature relative to normal are readily observed in the graphs. A table with monthly totals and

averages for the growing season also is included.

The growth unit or growing-degree-day concept was developed to measure the amount of heat available for growth and maturation. To calculate the daily accumulation, add the maximum and minimum temperatures for each day, divide by 2, and subtract a base temperature of 50. Any temperature below 50°F was considered to be 50, and any temperature over 86°F was considered 86.

Explanatory information is given preceding data summaries for each test. Tables 2 through 29 contain results from the individual performance tests. Hybrids are listed in order of increasing days to half silk and increasing grain moisture for the current year, so hybrids of similar maturity are shown together. This year, the 3-year averages were dropped because so few hybrids stayed in the tests for that long. That allowed room to add a column listing insecticide seed treatments for each hybrid. Many companies submitted seed treated with systemic insecticides (Cruiser, Poncho) that can affect yield in some situations. One check hybrid treated with Cruiser and Poncho 250, as well as untreated, was included as a check on the potential effect of those treatments at most locations.

Figures 4 through 10 graphically summarize yield and maturity information over the past few years for each region. In these figures, hybrid performance is standardized by using the average of two check hybrids present in every test. The number beside each bar shows the number of tests in which a given hybrid was compared with the check hybrids. In general, the greater the number of comparisons, the greater confidence one can place in the stated performance of that hybrid. Symbols beside each bar indicate if a hybrid was significantly greater (+) or lower (-) than the average of the check hybrids. As with individual test results, small differences should not be overemphasized. Relative ranking and large differences are better indicators of performance.

Most corn tests were planted at a rate 10% to 20% in excess of the desired population and thinned only to remove doubles. Planting to stand enables evaluation of product performance for the entire growing season.

Four plots (replications) of each hybrid were grown at each location in a randomized complete-block design. Each harvested plot consisted of two rows trimmed to a specific length, ranging from 20 to 30 feet at the different locations. Four-row plots were used at some locations where drought stress is common. Tests were harvested with specialized plot 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%. Yields also are presented as percentage of test average to speed recognition of highest-yielding hybrids. Hybrids yielding more than 100% of the test average year after year merit consideration. Adaptation to individual farms for

appropriate maturity, stalk strength, and other factors also must be considered.

The percentage of lodged stalks is reported when appropriate. Plants broken over below the ear and dropped ears were considered lodged, although most were harvestable with modern machinery. Severely lodged stalks or dropped ears that could not be picked up by normal harvest procedures were 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 at most locations, dropped ears constitute a very small portion of lodging and 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.

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.

Small differences in yield or other characteristics should not be overemphasized. Least significant differences (LSDs) 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. Yield values in the top LSD group in each test are highlighted in bold. The coefficient of variability (CV) can be used in combination with the LSD to estimate the degree of confidence one can have in published data from replicated tests.

Table 1. Companies entering hybrids in the 2004 Kansas Corn Performance Tests.

AgSource Seeds, Inc. Nevada, IA 515-382-8880 agsourceseeds.com	High Plains Hybrids Hugoton, KS 800-848-1988 jkramer@pld.com	NC+ Hybrids Lincoln, NE 800-279-7999 nc-plus.com	Producers Hybrids Battle Creek, NE 402-675-2975 producershybrids.com
CroPlan Genetics St. Paul, MN 800-851-8810 croplangenetics.com	Kaystar Seed Huron, SD 800-288-8791 kaystarseed.com	Neco Seed Farms (Willcross) Garden City, MO 8016-862-8203 willcross.com	Rainbow Seeds Wamego, KS 785-456-2166
Dyna-Gro Garden City, KS 620-275-6127 Uap.com	Kruger Seed Co. (Access/Kruger) Dike, IA 800-772-2721 krugerseed.com	Syngenta Seeds, Inc. (NK) Ames, IA 800-258-0498 syngenta.com	Renze Hybrids Carroll, IA 712-669-3301 Renzehybrids.com
Fontanelle Hybrids Fontanelle, NE 800-279-4353 fontanelle.com	Lewis Hybrids, Inc. Ursa, IL 800-252-7851 lewishybrids.com	Ottillie RO Seed Marshalltown, IA 800-798-6884 ottillieseed.com	Stine Seed Co. Adel, IA 800-362-2510 stineseed.com
Frontier Hybrids Abernathy, TX 800-872-0522 frontierhybrid.com	LG Seeds Gibbon, NE 877-505-7313 lgseeds.com	Pfister Hybrid Corn Co. El Paso, IL 800-647-3478 pfisterhybrid.com	Taylor Seed Farms, Inc. White Cloud, KS 800-742-7473 taylorseedfarms.com
Garst/AgriPro Seed Co. Everest, KS 785-548-7393 garstseed.com	Midland Genetics Group Ottawa, KS 800-819-SEED midlandgenetics.com	Phillips Seed Farms (Midland) Hope, KS 785-949-2204 midlandgenetics.com	Triumph Seed Co., Inc. Ralls, TX 800-530-4789 triumphseed.com
Golden Acres Waco, TX 800-692-6848 gaseed.com	Monsanto Seed (Asgrow/DeKalb) St. Louis, MO 800-833-5252 monsanto.com	Pioneer, A DuPont Company Amarillo, TX 800-258-5604 pioneer.com	Warner Seeds, Inc. Hereford, TX 806-364-4470 warnerseeds.com
Hawkeye Hybrids, Inc. Pella, IA 641-628-3827 hawkeyeh@lisco.net	Mycogen Seeds Indianapolis, IN 1-800-MYCOGEN mycogen.com	Premium Seed, Inc. Berwick, IL 309-462-2396 Premiumseed.com	

NORTHEAST KANSAS DRYLAND CORN TEST ON SILT LOAM SOIL

Private farm 1 mile north of Severance; Fuhrman Farms, Inc.

Monona silt loam; Soybean in 2003

150 - 0 - 0 lb/a N, P, K

Planted on 4/15/2004; Harvested on 9/27/2004

Target stand of 26,000 plants/acre; 8.0 in. spacing

Favorable rainfall and temperatures and little stress resulted in record yields for this location.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	11.0	9.9	38	38	135	34
April	0.4	3.0	54	54	276	231
May	5.8	4.6	64	64	471	447
June	4.9	5.1	66	73	490	688
July	4.3	4.1	72	78	680	813
August	6.1	4.0	70	76	619	781
Sept.	0.9	5.2	70	68	620	564
Totals:	33.5	35.8	52	53	3,289	3,558

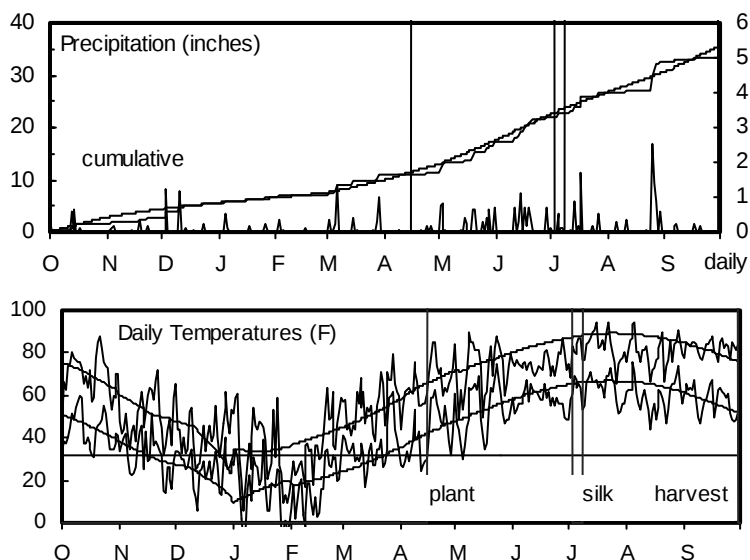


Table 2. Severance Corn Performance Test, 2003-2004.

		Seed treat- ment*	YIELD					2003-2004		2004					
BRAND	NAME		bushels/acre		% of test		Days to Moist. Silk	Grain to Moist. %	Days to Moist. Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	AVG.	2004									2003
CROPLAN GEN.	501Bt	C	206	--	--	90	--	--	--	77	12	99	--	56	113
ACCESS	AEXP5313YGCB	P250	239	--	--	105	--	--	--	77	13	93	--	57	115
PIONEER	33K39	P250	222	--	--	97	--	--	--	77	14	95	--	60	117
PIONEER	34H32	C	215	--	--	94	--	--	--	77	14	86	--	60	114
GARST	8292YG1		227	--	--	99	--	--	--	77	18	90	--	57	119
MATURITY CHECK	SHORT - G8590		193	107	150	85	98	83	13	78	12	91	--	57	111
PFISTER	2326Bt	P1250	212	--	--	93	--	--	--	78	12	89	--	56	110
AGSOURCE	5883 CB	P250	230	--	--	100	--	--	--	78	13	96	--	57	116
AGSOURCE	7223 Hx	P250	225	--	--	99	--	--	--	78	13	94	--	57	115
CROPLAN GEN.	693Bt/CL	C	221	--	--	97	--	--	--	78	13	91	--	56	121
LEWIS	4864YGCBBRR	P250	243	123	183	106	112	83	14	78	13	95	--	57	116
MATURITY CHECK	MID-NC+4823B	P250	239	123	181	104	113	83	13	78	13	93	--	57	114
MIDLAND	7B13YGCB	P250	222	118	170	97	108	83	13	78	13	96	--	57	116
NK	N65-M7		231	110	170	101	100	83	13	78	13	99	--	57	113
NK	N71-Z3	C	210	--	--	92	--	--	--	78	13	94	--	57	110
PFISTER	2656BtRR	P1250	235	--	--	103	--	--	--	78	13	95	--	57	119
RENZE	5425HX1	P250	224	--	--	98	--	--	--	78	13	96	--	56	113
RENZE	6363	P250	233	122	177	102	111	83	14	78	13	99	--	57	113
ACCESS	AEXP5514YGCB	P250	224	--	--	98	--	--	--	78	14	90	--	58	105
AGSOURCE	6163 CB	C	232	106	169	102	96	83	14	78	14	94	--	57	116
KRUGER	K-9114YGCB	P250	231	--	--	101	--	--	--	78	14	94	--	58	117
KRUGER	K-9212RR/YGCB	P250	245	113	179	107	103	83	14	78	14	100	--	58	117
MYCOGEN	2P786	C	209	--	--	92	--	--	--	78	14	90	--	57	117
PFISTER	2760	P1250	221	115	168	97	105	83	14	78	14	92	--	59	117
RENZE	8364YGCB	P250	221	118	169	97	107	83	14	78	14	92	--	57	117
AGSOURCE	6273 CB	P250	228	--	--	100	--	--	--	78	15	97	--	57	111
AGSOURCE	7243 CB	C	240	--	--	105	--	--	--	78	15	95	--	61	113
MIDLAND	7A15Bt		217	109	163	95	100	83	15	78	15	85	--	57	113

(continued)

Table 2. Severance Corn Performance Test, 2003-2004 - continued.

			YIELD					2003-2004		2004					
BRAND	NAME	Seed treat- ment*	bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average									
			2004	2003	AVG.	2004	2003								
MYCOGEN	2A812	C	220	118	169	96	108	83	15	78	15	90	--	57	118
PRODUCERS	7321BT	C	230	122	176	101	111	83	15	78	15	99	--	57	113
RENZE	5455HX1	P250	223	--	--	97	--	--	--	78	15	94	--	58	115
RENZE	8354YGCB	P250	219	--	--	96	--	--	--	78	15	96	--	60	111
RENZE	8394YGCB	P250	228	--	--	100	--	--	--	78	15	95	--	57	115
CROPLAN GEN.	705RR	C	212	--	--	93	--	--	--	78	16	91	--	58	111
GARST	8328Bt/IT		200	129	165	88	117	83	16	78	16	93	--	58	107
STINE	9804YGCB	P250	223	--	--	98	--	--	--	78	17	102	--	56	105
KRUGER	K-9111YGCB	P250	237	--	--	104	--	--	--	79	12	93	--	56	115
ACCESS	AEXP0514	P250	228	--	--	100	--	--	--	79	14	103	--	58	112
TRIUMPH	1416Bt	P1250	250	117	184	110	107	84	15	79	14	91	--	57	116
ACCESS	AEXP1516RR	P250	202	--	--	88	--	--	--	79	15	98	--	60	112
ACCESS	AEXP5416YGCB	P250	246	--	--	107	--	--	--	79	15	100	--	57	113
ACCESS	AEXP5417YGCB	P250	234	--	--	102	--	--	--	79	15	100	--	59	111
KRUGER	K-9115YGCB	P250	234	114	174	103	104	83	16	79	15	96	--	57	116
KRUGER	K-9315YGCB	P250	228	129	179	100	118	83	16	79	15	89	--	58	116
PRODUCERS	7373RRBT	C	230	--	--	100	--	--	--	79	15	91	--	57	115
RENZE	8454YGCB	P250	236	94	165	103	86	83	15	79	15	93	--	57	116
STINE	9803YGCB	P250	231	90	161	101	82	83	14	79	15	106	--	58	110
TAYLOR	955RR/Bt	P250	228	--	--	100	--	--	--	79	15	88	--	57	118
TRIUMPH	1536CBRR		230	--	--	101	--	--	--	79	15	87	--	57	116
MIDLAND	7A58Bt		241	--	--	105	--	--	--	79	16	94	--	56	121
ACCESS	AEXP8413Hx	P250	239	--	--	105	--	--	--	80	14	93	--	56	116
KRUGER	K-9414YGCB	P250	224	--	--	98	--	--	--	80	15	99	--	56	114
LEWIS	5645YGCB	P250	241	--	--	105	--	--	--	80	15	97	--	56	115
WARNER	4602B	P250	231	--	--	101	--	--	--	80	15	86	--	57	114
GARST	8350YG1		234	123	178	103	112	84	16	80	16	89	--	58	115
MIDLAND	7A28Bt		247	117	182	108	107	84	16	80	16	90	--	55	114
NK	N70-T9		223	124	174	98	113	84	15	80	16	94	--	57	116
NK	N76-H2		242	--	--	106	--	--	--	80	16	101	--	57	116
HAWKEYE	03-990Bt		243	--	--	107	--	--	--	80	17	94	--	56	119
LEWIS	7044YGCB	P250	246	126	186	108	114	85	17	80	17	95	--	56	119
ACCESS	AEXP5415YGCB	P250	243	--	--	106	--	--	--	81	16	99	--	56	112
ACCESS	AEXP8414Hx	P250	240	--	--	105	--	--	--	81	16	97	--	56	119
ST CHK	M798 Cruiser	C	214	--	--	94	--	--	--	81	16	87	--	59	118
CROPLAN GEN.	731Hx	C	252	--	--	110	--	--	--	82	15	105	--	56	117
AGSOURCE	7783 CB	C	250	112	181	109	102	85	16	82	16	94	--	56	119
MATURITY CHECK	FULL - M798		222	85	153	97	77	85	17	82	16	91	--	59	119
MYCOGEN	2T780	C	227	--	--	99	--	--	--	82	16	100	--	56	121
PIONEER	33R78	C	249	--	--	109	--	--	--	82	16	91	--	57	122
ST CHK	M798 P250	P250	203	--	--	89	--	--	--	82	16	89	--	59	120
NK	N82-A7		218	--	--	95	--	--	--	82	18	85	--	56	121
	AVERAGES		228	110	169	228	110	83	15	79	15	94	--	57	115
	CV (%)		6	14	--	6	14	--	--	2	4	6	--	1	3
	LSD (0.05)**		18	22	--	8	20	--	--	2	1	8	--	1	4

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

NORTHEAST KANSAS DRYLAND CORN TEST ON SILTY CLAY LOAM SOIL

Private farm north of Centralia; Keith Flentie, farmer/cooperator

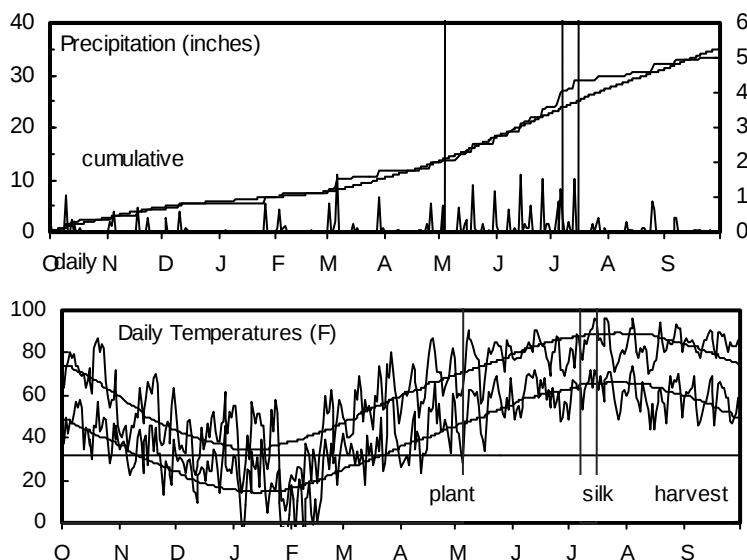
Wymore silt loam; Alfalfa in 2003

130 - 30 - 0 lb/a N, P, K

Planted on 5/4/2004; Harvested on 10/5/2004

Target stand of 23,000 plants/acre; 9.1 in. spacing

Spring killing of a previous alfalfa stand delayed planting. Good rainfall in June and July was followed by a very dry August. Excellent dryland yields.



Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	11.9	10.2	39	37	155	58
April	1.3	3.2	55	53	298	223
May	5.1	4.6	65	62	524	400
June	5.9	4.6	70	72	586	656
July	5.9	4.7	74	77	705	792
August	2.2	3.8	72	75	662	763
Sept.	1.0	4.1	71	67	646	531
Totals:	33.3	35.3	53	53	3,575	3,422

Table 3. Centralia Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	average									
						2004	2003								
DEKALB	DKC60-19R/YGB	P250	179	--	--	99	--	--	--	63	12	95	--	58	102
ACCESS	AEXP5313YGCB	P250	188	--	--	103	--	--	--	64	12	94	--	58	112
ASGROW	RX752RR/YG	P250	180	--	--	99	--	--	--	64	12	102	--	58	104
GARST	8535YG1/IT		175	--	--	96	--	--	--	64	12	95	--	58	106
ACCESS	AEXP8413Hx	P250	173	--	--	95	--	--	--	65	12	91	--	58	110
MIDLAND	7B13YGCB	P250	166	--	--	91	--	--	--	65	12	98	--	57	113
AGSOURCE	7783 CB	C	196	--	--	108	--	--	--	65	13	96	--	58	110
NK	N70-T9		190	--	--	105	--	--	--	65	13	100	--	59	103
PRODUCERS	7321BT	C	190	--	--	104	--	--	--	65	13	98	--	59	107
KRUGER	K-9212RR/YGCB	P250	181	--	--	100	--	--	--	66	11	99	--	58	108
LEWIS	4864YGCBRR	P250	171	--	--	94	--	--	--	66	11	101	--	58	111
RENZE	6363	P250	172	--	--	94	--	--	--	66	11	96	--	58	107
RENZE	9363YGCB/RR	P250	169	--	--	93	--	--	--	66	11	100	--	57	106
ACCESS	AEXP5416YGCB	P250	190	--	--	104	--	--	--	66	12	98	--	58	106
ACCESS	AEXP5514YGCB	P250	176	--	--	97	--	--	--	66	12	96	--	59	104
AGSOURCE	5883 CB	P250	176	--	--	97	--	--	--	66	12	94	--	59	107
AGSOURCE	6163 CB	C	176	--	--	97	--	--	--	66	12	91	--	58	110
CROPLAN GEN.	693Bt/CL	C	193	--	--	106	--	--	--	66	12	97	--	58	115
KAYSTAR	KX-8615Bt	P250	174	--	--	96	--	--	--	66	12	96	--	58	110
KRUGER	K-9115YGCB	P250	193	--	--	106	--	--	--	66	12	98	--	59	109
MATURITY CHECK	MID-NC+4823B	P250	181	--	--	99	--	--	--	66	12	98	--	58	108
NC+	5423B	P250	195	--	--	107	--	--	--	66	12	95	--	58	107
RENZE	8364YGCB	P250	175	--	--	96	--	--	--	66	12	100	--	58	108
RENZE	8454YGCB	P250	188	--	--	103	--	--	--	66	12	97	--	59	110
MIDLAND	7A15Bt		183	--	--	100	--	--	--	66	13	90	--	59	105
PIONEER	33B51	P250	196	--	--	108	--	--	--	66	13	97	--	59	106
PIONEER	34H32	C	175	--	--	96	--	--	--	66	13	94	--	60	114

(continued)

Table 3. Centralia Corn Performance Test, 2003-2004 - continued.

Table of Corn and Soybean Performance Data, 2003-2004															
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average									
WARNER	4602B	P250	175	--	--	96	--	--	--	66	13	90	--	58	107
CROPLAN GEN.	501Bt	C	168	--	--	92	--	--	--	67	10	99	--	56	106
NK	N65-M7		171	--	--	94	--	--	--	67	11	93	--	58	106
DEKALB	DKC63-81R/YGB	P250	193	--	--	106	--	--	--	67	12	100	--	60	101
GARST	8545		172	--	--	95	--	--	--	67	12	91	--	58	110
KRUGER	K-9414YGCB	P250	177	--	--	97	--	--	--	67	12	97	--	58	110
RENZE	5455HX1	P250	177	--	--	97	--	--	--	67	12	97	--	59	109
TAYLOR	850Bt	P250	195	--	--	107	--	--	--	67	12	96	--	58	114
GARST	8376YG1		191	--	--	105	--	--	--	67	13	94	--	59	116
PRODUCERS	7373RRBT	C	190	--	--	104	--	--	--	67	13	98	--	59	113
CROPLAN GEN.	705RR	C	180	--	--	99	--	--	--	67	14	92	--	59	102
GARST	8328Bt/IT		162	--	--	89	--	--	--	67	14	93	--	59	102
LEWIS	7044YGCB	P250	180	--	--	99	--	--	--	67	14	94	--	58	116
KAYSTAR	X4181B	P250	184	--	--	101	--	--	--	67	16	96	--	59	116
KRUGER	K-9111YGCB	P250	184	--	--	101	--	--	--	68	11	98	--	57	107
AGSOURCE	6273 CB	P250	199	--	--	110	--	--	--	68	12	98	--	59	109
KRUGER	K-9315YGCB	P250	179	--	--	98	--	--	--	68	12	94	--	59	111
MATURITY CHECK	SHORT - G8590		155	--	--	85	--	--	--	68	12	97	--	59	104
RENZE	5425HX1	P250	180	--	--	99	--	--	--	68	12	94	--	58	108
ACCESS	AEXP8414Hx	P250	191	--	--	105	--	--	--	68	13	95	--	59	112
CROPLAN GEN.	731Hx	C	199	--	--	110	--	--	--	68	13	99	--	59	112
LEWIS	5645YGCB	P250	194	--	--	107	--	--	--	68	13	98	--	58	112
NK	N76-H2		196	--	--	108	--	--	--	68	13	102	--	59	107
RENZE	8394YGCB	P250	194	--	--	106	--	--	--	68	13	103	--	58	110
ACCESS	AEXP0514	P250	170	--	--	93	--	--	--	69	12	96	--	60	101
AGSOURCE	7223 Hx	P250	185	--	--	102	--	--	--	69	12	92	--	58	111
KRUGER	K-9114YGCB	P250	179	--	--	98	--	--	--	69	12	101	--	58	113
ACCESS	AEXP1516RR	P250	166	--	--	91	--	--	--	69	13	99	--	62	108
ACCESS	AEXP5415YGCB	P250	200	--	--	110	--	--	--	69	13	96	--	58	111
AGSOURCE	7243 CB	C	205	--	--	113	--	--	--	69	13	92	--	62	103
MIDLAND	7A28Bt		190	--	--	105	--	--	--	69	13	91	--	57	113
ACCESS	AEXP5417YGCB	P250	183	--	--	101	--	--	--	69	15	97	--	60	106
HAWKEYE	03-990Bt		189	--	--	104	--	--	--	69	15	94	--	59	118
MIDLAND	7A58Bt		176	--	--	97	--	--	--	70	16	95	--	59	115
PIONEER	33R78	C	191	--	--	105	--	--	--	71	13	97	--	58	117
MATURITY CHECK	FULL - M798		166	--	--	91	--	--	--	71	14	92	--	60	112
ST CHK	M798 Cruiser	C	173	--	--	95	--	--	--	72	14	88	--	60	113
ST CHK	M798 P250	P250	171	--	--	94	--	--	--	72	14	97	--	60	116
	AVERAGES		182	--	--	182	--	--	--	67	13	96	--	59	109
	CV (%)		6	--	--	6	--	--	--	3	5	4	--	1	3
	LSD (0.05)**		15	--	--	8	--	--	--	2	1	5	--	1	5

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

NORTH-CENTRAL KANSAS DRYLAND CORN TEST

North Central Kansas Experiment Field, Belleville; Barney Gordon, agronomist; Michael Larson and Allan Milner, technicians

Crete silt loam; Soybean in 2003

180 - 30 - 0 lb/a N, P, K

Planted on 4/15/2004; Harvested on 9/20/2004

Target stand of 22,000 plants/acre; 9.5 in. spacing

Good stands and early growth; hail on May 9;
favorable rainfall through July, dry August.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	9.2	6.7	39	36	174	25
April	1.7	2.3	56	52	307	217
May	6.1	3.7	66	63	524	421
June	4.1	4.6	71	73	622	679
July	2.1	3.4	76	78	753	807
August	1.1	3.4	73	77	667	780
Sept.	2.1	3.6	73	68	671	551
Totals:	26.5	27.6	54	52	3,717	3,481

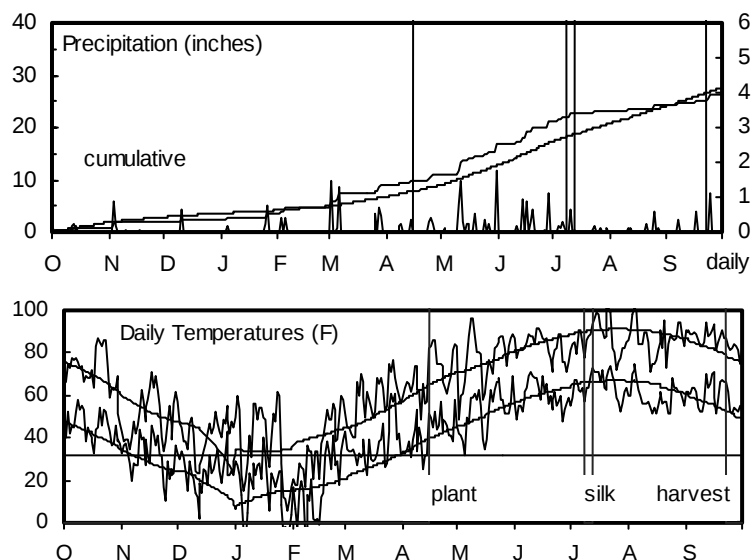


Table 4. Belleville Dryland Corn Performance Test, 2003-2004.

YIELD															
BRAND	NAME	Seed treat-ment*	bushels/acre		% of test		2003-2004		2004						
			2004	2003	AVG.	2004	2003	Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
ACCESS	AEXP8413Hx	P250	129	--	--	102	--	--	--	83	12	105	2	57	86
GARST	8566YG1		131	--	--	104	--	--	--	83	12	104	2	56	83
PIONEER	35P15	C	134	--	--	106	--	--	--	83	13	102	0	57	81
ACCESS	AEXP0514	P250	128	--	--	101	--	--	--	84	12	105	1	58	81
ACCESS	AEXP5415YGCB	P250	126	--	--	100	--	--	--	84	12	104	0	56	82
DEKALB	DKC60-19R/YGB	P250	136	--	--	107	--	--	--	84	12	103	0	56	80
NK	N70-T9		136	--	--	107	--	--	--	84	12	105	0	57	85
PIONEER	34M93	P250	137	--	--	108	--	--	--	84	12	105	0	58	81
GARST	8545		126	--	--	100	--	--	--	84	13	106	0	58	81
ACCESS	AEXP5313YGCB	P250	134	--	--	106	--	--	--	85	12	105	0	57	89
ACCESS	AEXP8414Hx	P250	133	--	--	105	--	--	--	85	12	106	1	57	91
ASGROW	RX752RR/YG	P250	124	--	--	98	--	--	--	85	12	106	0	56	85
CROPLAN GEN.	693Bt/CL	C	126	--	--	100	--	--	--	85	12	105	0	57	84
CROPLAN GEN.	731Hx	C	135	--	--	107	--	--	--	85	12	106	2	56	86
DEKALB	DKC63-81R/YGB	P250	134	--	--	106	--	--	--	85	12	107	0	59	80
FONTANELLE	7R418	P250	116	--	--	91	--	--	--	85	12	106	0	57	82
GARST	8328Bt/IT		113	--	--	90	--	--	--	85	12	101	1	58	80
KRUGER	K-9111YGCB	P250	134	--	--	106	--	--	--	85	12	107	0	58	84
KRUGER	K-9114YGCB	P250	119	--	--	94	--	--	--	85	12	106	0	57	89
KRUGER	K-9315YGCB	P250	133	--	--	105	--	--	--	85	12	105	2	58	86
MATURITY CHECK	SHORT - G8590		120	--	--	95	--	--	--	85	12	106	1	56	83
MYCOGEN	2P782	C	133	--	--	105	--	--	--	85	12	108	0	57	83
MYCOGEN	2T801	C	123	--	--	98	--	--	--	85	12	105	1	57	79
NK	N65-M7		129	--	--	102	--	--	--	85	12	110	0	56	85

(continued)

Table 4. Belleville Dryland Corn Performance Test, 2003-2004 - continued.

Table 1. Delineate Dryland Corn Performance Test, 2000-2001, Oklahoma																
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004						
			bushels/acre		% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average										
						2004	2003									
PIONEER	34H32	C	133	--	--	105	--	--	--	85	12	107	0	57	79	
ST CHK	M798 P250	P250	115	--	--	91	--	--	--	85	14	107	3	59	87	
ST CHK	M798 Cruiser	C	122	--	--	96	--	--	--	85	15	105	7	57	89	
ACCESS	AEXP1516RR	P250	131	--	--	103	--	--	--	86	12	104	0	60	85	
ACCESS	AEXP5514YGCB	P250	128	--	--	101	--	--	--	86	12	107	2	56	80	
FONTANELLE	7798YGCB/RR	P250	120	--	--	95	--	--	--	86	12	103	0	56	78	
KRUGER	K-9115YGCB	P250	119	--	--	94	--	--	--	86	12	103	2	56	85	
KRUGER	K-9212RR/YGCB	P250	118	--	--	93	--	--	--	86	12	104	1	56	86	
KRUGER	K-9414YGCB	P250	124	--	--	98	--	--	--	86	12	105	0	56	85	
LEWIS	5645YGCB	P250	119	--	--	94	--	--	--	86	12	105	0	56	83	
MATURITY CHECK	FULL - M798		114	--	--	90	--	--	--	86	12	106	5	58	90	
MATURITY CHECK	MID-NC+4823B	P250	125	--	--	99	--	--	--	86	12	106	0	56	86	
MIDLAND	7B13YGCB	P250	116	--	--	92	--	--	--	86	12	101	0	55	81	
MIDLAND	7B15YGCB	P250	133	--	--	105	--	--	--	86	12	105	1	56	81	
MYCOGEN	2E762	C	132	--	--	104	--	--	--	86	12	105	0	56	85	
WARNER	4602B	P250	131	--	--	104	--	--	--	86	12	105	0	57	80	
ACCESS	AEXP5417YGCB	P250	132	--	--	104	--	--	--	86	13	106	1	58	79	
CROPLAN GEN.	705RR	C	113	--	--	89	--	--	--	86	13	107	0	57	85	
FONTANELLE	HC-7987YGCB	P250	126	--	--	100	--	--	--	86	13	107	0	57	82	
LEWIS	7044YGCB	P250	124	--	--	98	--	--	--	86	15	104	0	57	86	
ACCESS	AEXP5416YGCB	P250	127	--	--	100	--	--	--	87	12	106	1	57	82	
	AVERAGES		127	--	--	127	--	--	--	85	13	105	1	57	83	
	CV (%)		4	--	--	4	--	--	--	1	3	3	276	0	4	
	LSD (0.05)**		7	--	--	6	--	--	--	1	--	4	3	0	4	

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

NORTHEAST KANSAS DRYLAND CORN TEST ON SILT LOAM SOIL

Agronomy North Farm near Manhattan; Kraig Roozeboom, agronomist

Reading silt loam; Soybean in 2003

130 - 30 - 0 lb/a N, P, K

Planted on 4/14/2004; Harvested on 9/16/2004

Target stand of 23,000 plants/acre; 9.1 in. spacing

Although rainfall was slightly below normal in April and May, above-normal rainfall in June and July more than made up the deficit and carried the crop through a dry August and September. Above-normal temperatures in April and May got the crop off to a good start and below-normal temperatures in June, July, and August minimized heat stress during silking and grain fill.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	11.8	8.7	41	39	190	57
April	1.4	2.6	57	53	337	237
May	3.9	4.5	67	64	562	441
June	6.7	5.1	71	73	615	685
July	7.2	4.0	76	79	737	823
August	1.4	3.5	74	78	698	801
Sept.	1.3	3.9	72	69	651	601
Totals:	33.7	32.3	55	54	3,789	3,642

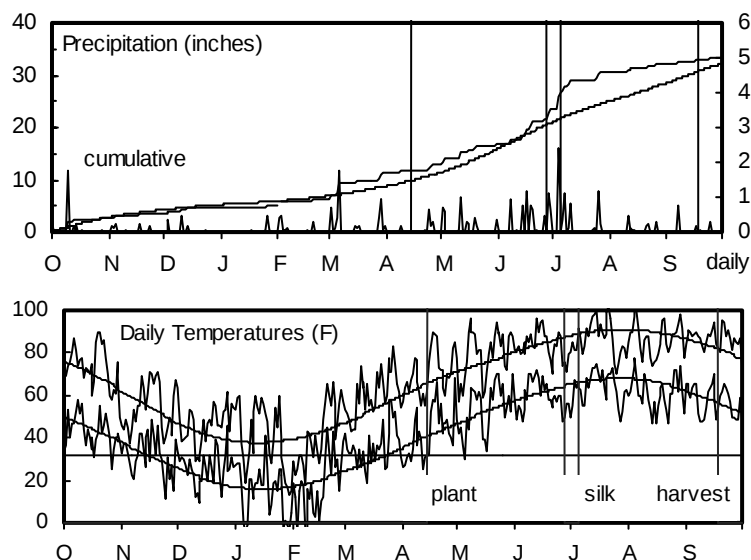


Table 5. Manhattan Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Moist. Silk	Grain to Moist. %	Days to Moist. Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	2004	2003								
PIONEER	34H32	C	179	--	--	88	--	--	--	73	16	90	--	60	111
CROPLAN GEN.	501Bt	C	181	--	--	89	--	--	--	74	13	93	--	55	106
GARST	8545		193	180	187	95	114	77	14	74	15	90	--	57	110
ACCESS	AEXP5313YGCB	P250	185	--	--	91	--	--	--	74	16	89	--	55	113
DEKALB	DKC60-19R/YGB	P250	185	162	174	91	102	77	14	74	16	91	--	57	95
GARST	8424		174	--	--	86	--	--	--	74	16	82	--	57	105
KAYSTAR	KX-8615Bt	P250	204	--	--	100	--	--	--	74	16	91	--	57	108
MIDLAND	7B13YGCB	P250	218	--	--	108	--	--	--	74	16	96	--	56	106
ACCESS	AEXP5514YGCB	P250	198	--	--	97	--	--	--	74	17	89	--	56	102
ASGROW	RX752RR/YG	P250	222	--	--	109	--	--	--	74	17	96	--	57	99
GARST	8376YG1		205	--	--	101	--	--	--	74	17	86	--	55	107
MATURITY CHECK	MID-NC+4823B	P250	215	147	181	106	93	78	15	74	17	94	--	55	110
RENZE	3364YGPL	P250	213	--	--	105	--	--	--	74	17	97	--	56	107
CROPLAN GEN.	693Bt/CL	C	193	--	--	95	--	--	--	75	16	95	--	55	117
RENZE	6363	P250	194	160	177	96	101	78	14	75	16	88	--	56	104
ACCESS	AEXP5416YGCB	P250	211	--	--	104	--	--	--	75	17	94	--	56	106
KRUGER	K-9212RR/YGCB	P250	215	160	187	106	101	78	15	75	17	93	--	56	104
PRODUCERS	7321BT	C	191	--	--	94	--	--	--	75	18	84	--	55	104
WARNER	4602B	P250	203	--	--	100	--	--	--	75	18	93	--	55	110

(continued)

Table 5. Manhattan Corn Performance Test, 2003-2004 - continued.

Table of Maximum Corn Performance Test, 2003-2004 Continued															
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. AVG.	2004	2003								
GARST	8292YG1		197	--	--	97	--	--	--	75	20	86	--	57	113
MATURITY CHECK	SHORT - G8590		173	134	153	85	85	79	13	76	14	88	--	56	103
RENZE	5425HX1	P250	208	--	--	103	--	--	--	76	15	89	--	55	111
ACCESS	AEXP1516RR	P250	182	--	--	90	--	--	--	76	16	91	--	60	107
ACCESS	AEXP8413Hx	P250	203	--	--	100	--	--	--	76	16	92	--	55	111
ACCESS	AEXP0514	P250	210	--	--	104	--	--	--	76	17	95	--	56	106
KRUGER	K-9315YGCB	P250	211	148	180	104	93	79	15	76	17	94	--	56	110
MYCOGEN	2P786	C	187	--	--	92	--	--	--	76	17	88	--	54	113
RENZE	5455HX1	P250	207	--	--	102	--	--	--	76	17	97	--	55	112
CROPLAN GEN.	705RR	C	188	--	--	93	--	--	--	76	18	87	--	56	104
KRUGER	K-9115YGCB	P250	219	163	191	108	103	79	16	76	18	88	--	55	111
LEWIS	5454YGCBRR	P250	211	--	--	104	--	--	--	76	18	84	--	55	113
PRODUCERS	7373RRBT	C	215	--	--	106	--	--	--	76	18	87	--	55	108
RENZE	6424	P250	213	173	193	105	109	79	15	76	18	93	--	55	106
RENZE	8454YGCB	P250	226	169	197	111	106	79	15	76	18	94	--	55	110
ACCESS	AEXP5417YGCB	P250	217	--	--	107	--	--	--	76	20	97	--	56	105
KRUGER	K-9111YGCB	P250	191	--	--	94	--	--	--	77	14	94	--	57	110
KRUGER	K-9414YGCB	P250	210	--	--	103	--	--	--	77	17	96	--	55	113
MYCOGEN	2A812	C	202	159	180	99	100	80	15	77	17	89	--	54	108
LEWIS	5645YGCB	P250	210	--	--	103	--	--	--	77	18	92	--	54	112
LEWIS	7044YGCB	P250	208	184	196	103	116	80	17	77	19	88	--	54	115
KRUGER	K-9114YGCB	P250	201	--	--	99	--	--	--	78	17	90	--	56	113
MIDLAND	7A14YGCB	P250	209	--	--	103	--	--	--	78	17	95	--	56	111
ACCESS	AEXP5415YGCB	P250	210	--	--	104	--	--	--	78	18	92	--	54	111
ACCESS	AEXP8414Hx	P250	202	--	--	99	--	--	--	78	18	92	--	54	117
MYCOGEN	2T780	C	214	--	--	105	--	--	--	78	18	96	--	54	115
KAYSTAR	X4181B	P250	214	--	--	105	--	--	--	78	20	91	--	54	114
CROPLAN GEN.	731Hx	C	203	--	--	100	--	--	--	79	18	95	--	54	116
PIONEER	33R78	C	221	--	--	109	--	--	--	79	19	89	--	54	115
MATURITY CHECK	FULL - M798		198	146	172	97	92	82	17	80	19	85	--	57	113
ST CHK	M798 Cruiser	C	204	--	--	101	--	--	--	80	19	91	--	57	114
ST CHK	M798 P250	P250	203	--	--	100	--	--	--	80	19	90	--	56	115
	AVERAGES		203	159	181	203	159	79	15	76	17	91	--	56	109
	CV (%)		6	7	--	6	7	--	--	2	4	5	--	1	4
	LSD (0.05)**		16	16	--	8	10	--	--	2	1	7	--	1	6

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

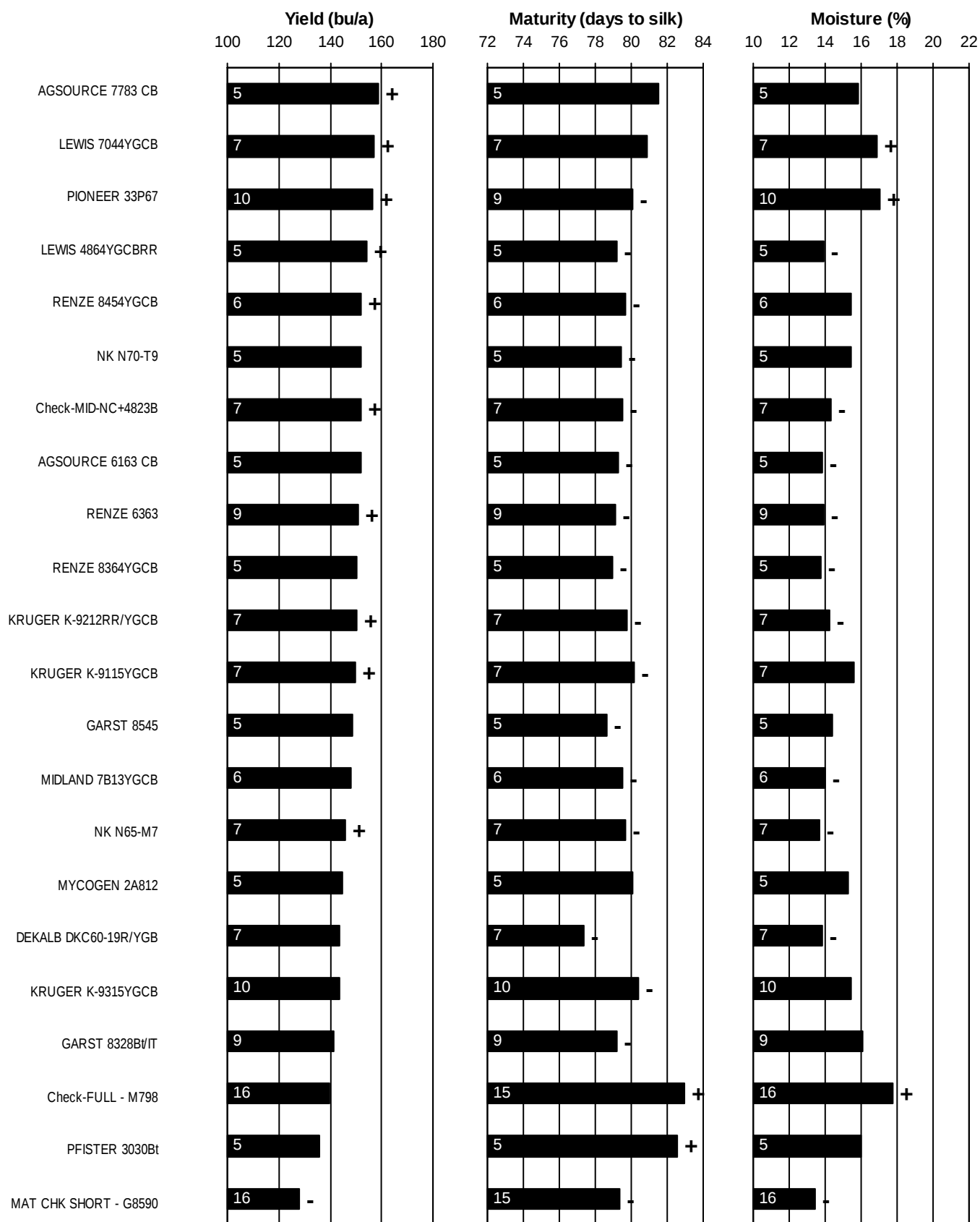
** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 6. NORTHEAST Kansas corn hybrid yield summary (% of test average), 2004.

BRAND/NAME	SEV*	CEN	BEL	MAN	AVG.	BRAND/NAME	SEV	CEN	BEL	MAN	AVG.
ACCESS						MYCOGEN					
AEXP0514	100	93	101	104	100	2A812	96	--	--	99	--
AEXP1516RR	88	91	103	90	93	2E762	--	--	104	--	--
AEXP5313YGCB	105	103	106	91	101	2P782	--	--	105	--	--
AEXP5415YGCB	106	110	100	104	105	2P786	92	--	--	92	--
AEXP5416YGCB	107	104	100	104	104	2T780	99	--	--	105	--
AEXP5417YGCB	102	101	104	107	104	2T801	--	--	98	--	--
AEXP5514YGCB	98	97	101	97	98	NC+					
AEXP8413Hx	105	95	102	100	101	5423B	--	107	--	--	--
AEXP8414Hx	105	105	105	99	104	NK					
AGSOURCE						N65-M7	101	94	102	--	--
5883 CB	100	97	--	--	--	N70-T9	98	105	107	--	--
6163 CB	102	97	--	--	--	N71-Z3	92	--	--	--	--
6273 CB	100	110	--	--	--	N76-H2	106	108	--	--	--
7223 Hx	99	102	--	--	--	N82-A7	95	--	--	--	--
7243 CB	105	113	--	--	--	PFISTER					
7783 CB	109	108	--	--	--	2326Bt	93	--	--	--	--
ASGROW						2656BtRR	103	--	--	--	--
RX752RR/YG	--	99	98	109	--	2760	97	--	--	--	--
CROPLAN GEN.						PIONEER					
501Bt	90	92	--	89	--	33B51	--	108	--	--	--
693Bt/CL	97	106	100	95	100	33K39	97	--	--	--	--
705RR	93	99	89	93	94	33R78	109	105	--	109	--
731Hx	110	110	107	100	107	34H32	94	96	105	88	96
DEKALB						34M93	--	--	108	--	--
DKC60-19R/YGB	--	99	107	91	--	35P15	--	--	106	--	--
DKC63-81R/YGB	--	106	106	--	--	PRODUCERS					
FONTANELLE						7321BT	101	104	--	94	--
7798YGCB/RR	--	--	95	--	--	7373RRBT	100	104	--	106	--
7R418	--	--	91	--	--	RENZE					
HC-7987YGCB	--	--	100	--	--	3364YGPL	--	--	--	105	--
GARST						5425HX1	98	99	--	103	--
8292YG1	99	--	--	97	--	5455HX1	97	97	--	102	--
8328Bt/IT	88	89	90	--	--	6363	102	94	--	96	--
8350YG1	103	--	--	--	--	6424	--	--	--	105	--
8376YG1	--	105	--	101	--	8354YGCB	96	--	--	--	--
8424	--	--	--	86	--	8364YGCB	97	96	--	--	--
8535YG1/IT	--	96	--	--	--	8394YGCB	100	106	--	--	--
8545	--	95	100	95	--	8454YGCB	103	103	--	111	--
8566YG1	--	--	104	--	--	9363YGCB/RR	--	93	--	--	--
HAWKEYE						ST CHK					
03-990Bt	107	104	--	--	--	M798 Cruiser	94	95	96	101	96
KAYSTAR						M798 P250	89	94	91	100	93
KX-8615Bt	--	96	--	100	--	STINE					
X4181B	--	101	--	105	--	9803YGCB	101	--	--	--	--
KRUGER						9804YGCB	98	--	--	--	--
K-9111YGCB	104	101	106	94	101	TAYLOR					
K-9114YGCB	101	98	94	99	98	850Bt	--	107	--	--	--
K-9115YGCB	103	106	94	108	103	955RR/Bt	100	--	--	--	--
K-9212RR/YGCB	107	100	93	106	102	TRIUMPH					
K-9315YGCB	100	98	105	104	102	1416Bt	110	--	--	--	--
K-9414YGCB	98	97	98	103	99	1536CBRR	101	--	--	--	--
LEWIS						WARNER					
4864YGCBRR	106	94	--	--	--	4602B	101	96	104	100	100
5454YGCBRR	--	--	--	104	--	MATURITY CHECK					
5645YGCB	105	107	94	103	102	FULL - M798	97	91	90	97	94
7044YGCB	108	99	98	103	102	MID-NC+4823B	104	99	99	106	102
MIDLAND						SHORT - G8590	85	85	95	85	87
7A14YGCB	--	--	--	103	--	AVERAGES (bu/a)					
7A15Bt	95	100	--	--	--	CV (%)	6	6	4	6	--
7A28Bt	108	105	--	--	--	LSD (0.05)	8	8	6	8	--
7A58Bt	105	97	--	--	--						
7B13YGCB	97	91	92	108	97						
7B15YGCB	--	--	105	--	--						

* SEV = Severance, Doniphan Co. CEN = Centralia, Nemaha Co. BEL = Belleville, Republic Co. MAN = Manhattan, Riley Co.

Figure 4. NORTHEAST Kansas corn hybrid standardized performance summary, 2000-2004.



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TEST ON SILT LOAM SOIL

Kansas River Valley Experiment Field, Topeka; Larry Maddux, agronomist; Charles Clark and William Riley, technicians

Eudora silt loam; Soybean in 2003

160 - 35 - 0 lb/a N, P, K

Planted on 4/13/2004; Harvested on 9/27/2004

Target stand of 26,000 plants/acre; 8.0 in. spacing

Favorable moisture and temperatures led to outstanding yields. No irrigation was needed.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	10.3	9.9	41	38	159	50
April	0.6	2.9	57	54	329	236
May	4.7	4.0	69	64	596	444
June	5.5	5.0	71	73	630	698
July	5.9	4.1	76	78	735	827
August	7.0	3.7	72	77	647	802
Sept.	0.9	3.5	69	69	610	584
Totals:	34.9	33.2	55	54	3,705	3,640

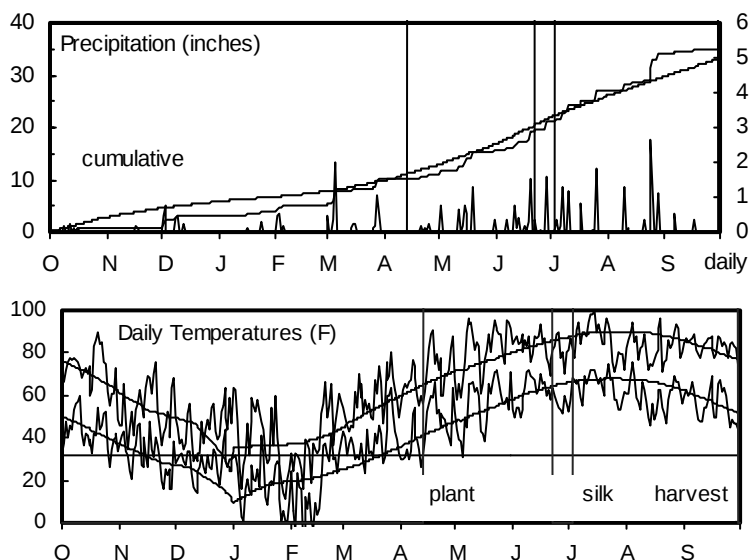


Table 7. Topeka Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD						2003-2004		2004					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. AVG.	2004	2003	average								
DEKALB	DKC60-19R/YGB	P250	198	188	193	83	97	74	18	69	17	103	--	56	101	
STINE	9720YGCB	P250	222	--	--	93	--	--	--	71	17	101	--	55	106	
MIDLAND	7B13YGCB	P250	221	181	201	93	93	78	17	72	16	92	--	56	117	
PFISTER	2656Bt	P1250	247	199	223	103	102	77	18	72	17	105	--	56	112	
LEWIS	5454YGCBBRR	P250	244	--	--	102	--	--	--	72	19	100	--	55	115	
ACCESS	AEXP5313YGCB	P250	251	--	--	105	--	--	--	73	16	100	--	55	110	
PFISTER	2750Bt	P1250	234	171	202	98	88	79	18	73	16	92	--	55	115	
AGSOURCE	6163 CB	C	232	195	213	97	100	78	18	73	17	100	--	56	113	
ASGROW	RX752RR/YG	P250	235	--	--	98	--	--	--	73	17	110	--	56	107	
KRUGER	K-9212RR/YGCB	P250	231	210	220	97	108	79	18	73	18	99	--	54	111	
NK	N70-T9		247	203	225	103	104	78	19	73	18	116	--	55	108	
PRODUCERS	7284BT	C	242	212	227	101	109	78	17	74	16	100	--	56	112	
RENZE	3364YGPL	P250	213	--	--	89	--	--	--	74	16	97	--	56	107	
DEKALB	DKC63-81R/YGB	P250	241	--	--	101	--	--	--	74	17	102	--	57	108	
DYNA-GRO	57P69	P250	233	--	--	98	--	--	--	74	17	99	--	55	114	
KRUGER	K-9315YGCB	P250	249	--	--	104	--	--	--	74	17	104	--	56	117	
MIDLAND	7A15Bt		233	198	216	98	102	78	18	74	17	91	--	55	112	
MYCOGEN	2T801	C	248	--	--	104	--	--	--	74	17	96	--	56	115	
NK	N72-J5		235	190	213	99	97	79	18	74	17	104	--	55	118	
RENZE	8364YGCB	P250	228	--	--	95	--	--	--	74	17	105	--	55	113	
TRIUMPH	1416Bt	P1250	247	--	--	103	--	--	--	74	17	98	--	55	115	
ACCESS	AEXP8414Hx	P250	259	--	--	108	--	--	--	74	18	98	--	54	118	
CROPLAN GEN.	705RR	C	219	--	--	92	--	--	--	74	18	96	--	56	107	
GARST	8377YG1/RR		257	--	--	108	--	--	--	74	18	102	--	55	115	
KRUGER	K-9115YGCB	P250	267	199	233	112	102	79	19	74	18	102	--	55	113	
PRODUCERS	7373RRBT	C	258	--	--	108	--	--	--	74	18	101	--	55	115	
RENZE	8454YGCB	P250	246	--	--	103	--	--	--	74	18	96	--	55	113	
WARNER	4602B	P250	242	--	--	101	--	--	--	74	19	93	--	55	110	
CROPLAN GEN.	693Bt/CL	C	229	--	--	96	--	--	--	75	16	96	--	55	115	
RENZE	5425HX1	P250	238	--	--	100	--	--	--	75	16	91	--	55	115	
ACCESS	AEXP5514YGCB	P250	208	--	--	87	--	--	--	75	17	98	--	55	105	
KRUGER	K-9114YGCB	P250	254	--	--	106	--	--	--	75	17	92	--	56	114	

(continued)

(continued)

Table 7. Topeka Irrigated Corn Performance Test, 2003-2004 - continued.

		Seed treat- ment*	YIELD						2003-2004		2004						Test Wt. lb/bu	Ht. in.
BRAND	NAME		bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %					
			2004	2003	AVG.	2-Yr. average												
						2004	2003											
MATURITY CHECK	MID-NC+4823B	P250	230	180	205	96	92	79	18	75	17	97	--	55	111			
RENZE	5455HX1	P250	212	--	--	89	--	--	--	75	17	106	--	56	115			
CROPLAN GEN.	694Bt	C	214	--	--	89	--	--	--	75	18	91	--	54	114			
NC+	5433RB	P250	233	214	223	97	110	79	19	75	18	90	--	55	115			
RENZE	8394YGCB	P250	260	--	--	109	--	--	--	75	18	107	--	55	115			
TAYLOR	955RR/Bt	P250	267	--	--	112	--	--	--	75	18	101	--	55	119			
NK	N76-H2		239	--	--	100	--	--	--	75	19	91	--	55	110			
STINE	9803YGCB	P250	245	183	214	103	94	80	20	75	19	102	--	56	109			
GARST	8292YG1		227	--	--	95	--	--	--	75	20	94	--	56	120			
KRUGER	K-9111YGCB	P250	247	--	--	103	--	--	--	76	14	116	--	57	111			
MATURITY CHECK	SHORT - G8590		177	148	163	74	76	81	17	76	15	98	--	56	107			
ACCESS	AEXP8413Hx	P250	231	--	--	97	--	--	--	76	16	94	--	55	114			
DYNA-GRO	57F29	P250	215	--	--	90	--	--	--	76	16	106	--	57	108			
ACCESS	AEXP0514	P250	234	--	--	98	--	--	--	76	17	97	--	56	111			
ACCESS	AEXP1516RR	P250	202	--	--	85	--	--	--	76	17	98	--	58	109			
DYNA-GRO	57P46	P250	228	--	--	95	--	--	--	76	17	94	--	55	117			
KRUGER	K-9414YGCB	P250	222	--	--	93	--	--	--	76	17	102	--	55	118			
MYCOGEN	2A812	C	252	213	233	106	109	81	19	76	17	96	--	55	121			
PFISTER	2760	P1250	233	183	208	97	94	81	18	76	17	111	--	57	120			
ACCESS	AEXP5416YGCB	P250	242	--	--	101	--	--	--	76	18	100	--	55	110			
AGSOURCE	6273 CB	P250	227	--	--	95	--	--	--	76	18	102	--	54	113			
CROPLAN GEN.	699Bt/CL	C	245	--	--	103	--	--	--	76	18	99	--	54	111			
DYNA-GRO	57P93	P250	250	--	--	105	--	--	--	76	18	97	--	56	115			
GARST	8454YG1		226	196	211	94	101	80	19	76	18	101	--	54	117			
LEWIS	5645YGCB	P250	241	--	--	101	--	--	--	76	18	102	--	53	113			
MYCOGEN	2T780	C	275	--	--	115	--	--	--	76	18	102	--	54	119			
ACCESS	AEXP5417YGCB	P250	256	--	--	107	--	--	--	76	19	102	--	56	114			
MIDLAND	7A58Bt		236	--	--	99	--	--	--	76	19	93	--	54	122			
PFISTER	3356Bt	P1250	240	213	226	101	109	81	20	76	19	99	--	54	118			
PIONEER	33P67	P250	251	236	243	105	121	80	20	76	19	104	--	58	115			
DYNA-GRO	57F87	P250	246	--	--	103	--	--	--	76	20	99	--	54	120			
LEWIS	7044YGCB	P250	250	--	--	105	--	--	--	76	20	93	--	54	121			
RENZE	8354YGCB	P250	212	--	--	89	--	--	--	77	16	93	--	56	108			
ACCESS	AEXP5415YGCB	P250	246	--	--	103	--	--	--	77	17	108	--	55	113			
CROPLAN GEN.	731Hx	C	285	--	--	119	--	--	--	77	19	104	--	54	121			
MIDLAND	7A28Bt		268	192	230	112	99	82	20	77	19	97	--	53	120			
CROPLAN GEN.	799Bt	C	234	--	--	98	--	--	--	77	20	93	--	56	119			
CROPLAN GEN.	818RRBT	C	248	207	227	104	106	81	21	77	21	99	--	54	110			
GARST	8383YG1		252	194	223	105	100	81	19	78	18	99	--	56	115			
PFISTER	3030Bt	P1250	252	213	233	106	109	83	19	78	18	95	--	54	121			
PIONEER	33R78	C	264	--	--	110	--	--	--	78	18	94	--	54	126			
AGSOURCE	7783 CB	C	263	222	242	110	114	81	19	78	19	98	--	53	119			
DYNA-GRO	58P59	P250	275	--	--	115	--	--	--	78	19	99	--	52	116			
TAYLOR	990RR/Bt	P250	275	--	--	115	--	--	--	78	19	92	--	53	119			
RAINBOW	3158YGCB		234	--	--	98	--	--	--	78	20	95	--	53	120			
ST CHK	M798 P250	P250	235	--	--	98	--	--	--	78	20	98	--	56	119			
ST CHK	M798 Cruiser	C	221	--	--	92	--	--	--	79	19	93	--	56	120			
MATURITY CHECK	FULL - M798		246	210	228	103	108	83	20	79	20	103	--	56	120			
PIONEER	31A13	P250	237	208	222	99	107	83	21	79	21	103	--	56	113			
	AVERAGES		239	195	217	239	195	79	19	75	18	99	--	55	114			
	CV (%)		8	10	--	8	10	--	--	2	5	9	--	1	4			
	LSD (0.05)**		26	31	--	11	16	--	--	2	1	12	--	1	6			

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TEST ON SANDY LOAM SOIL

Private farm near Clay Center; Scott and Russ Taddiken, cooperators

Muir silt loam; Soybean in 2003

200 - 15 - 0 lb/a N, P, K

Planted on 4/21/2004; Harvested on 10/29/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Growing conditions were generally favorable.

Harvest was delayed by two to three weeks.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	12.3	8.7	40	39	161	57
April	0.9	2.6	56	53	283	237
May	4.3	4.5	67	64	542	441
June	3.0	5.1	71	73	623	685
July	4.5	4.0	76	79	760	823
August	1.1	3.5	74	78	703	801
Sept.	2.4	3.9	73	69	674	601
Totals:	28.4	32.3	55	54	3,745	3,642

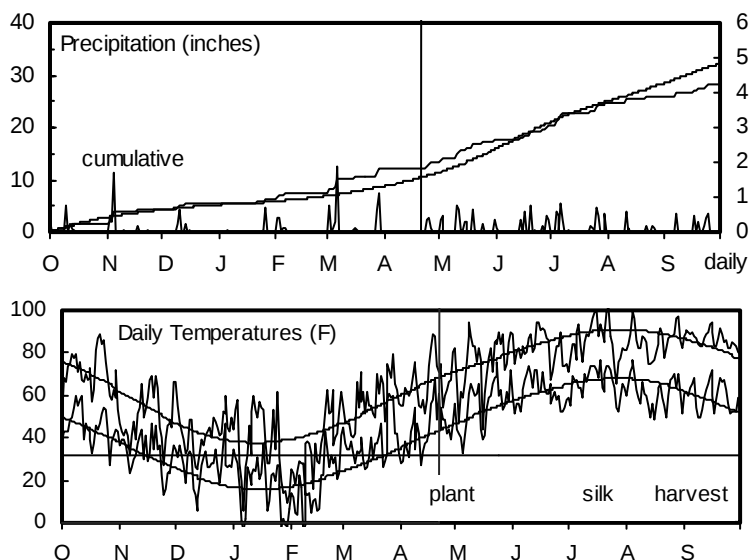


Table 8. Clay Center Irrigated Corn Performance Test, 2003-2004.

			YIELD					2003-2004		2004						
BRAND	NAME	Seed treat- ment*	bushels/acre		% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	AVG.	2-Yr. average										
						2004	2003									
FONTANELLE	7798YGCB/RR	P250	208	--	--	99	--	--	--	--	15	92	2	56	109	
ACCESS	AEXP0514	P250	218	--	--	103	--	--	--	--	16	98	1	59	112	
ACCESS	AEXP1516RR	P250	212	--	--	100	--	--	--	--	16	94	1	61	109	
ACCESS	AEXP5313YGCB	P250	216	--	--	102	--	--	--	--	16	94	1	57	113	
ACCESS	AEXP5415YGCB	P250	216	--	--	102	--	--	--	--	16	95	4	57	110	
ACCESS	AEXP5416YGCB	P250	213	--	--	101	--	--	--	--	16	97	1	58	110	
ACCESS	AEXP5514YGCB	P250	203	--	--	96	--	--	--	--	16	93	1	57	104	
ACCESS	AEXP8413Hx	P250	196	--	--	93	--	--	--	--	16	93	4	57	113	
ACCESS	AEXP8414Hx	P250	215	--	--	102	--	--	--	--	16	93	4	58	116	
AGSOURCE	5883 CB	P250	212	--	--	101	--	--	--	--	16	95	1	57	111	
AGSOURCE	6163 CB	C	209	224	217	99	101	--	16	--	16	99	4	58	112	
AGSOURCE	6273 CB	P250	216	--	--	102	--	--	--	--	16	103	3	58	109	
AGSOURCE	7783 CB	C	229	228	228	108	103	--	16	--	16	95	2	57	115	
CROPLAN GEN.	693Bt/CL	C	209	--	--	99	--	--	--	--	16	97	1	56	116	
CROPLAN GEN.	699Bt/CL	C	212	--	--	100	--	--	--	--	16	91	0	58	115	
CROPLAN GEN.	731Hx	C	225	--	--	107	--	--	--	--	16	97	3	58	117	
DYNA-GRO	57F29	P250	195	--	--	92	--	--	--	--	16	94	8	60	104	
DYNA-GRO	57F87	P250	220	--	--	104	--	--	--	--	16	104	1	57	115	
DYNA-GRO	57P46	P250	218	--	--	103	--	--	--	--	16	99	1	58	117	
DYNA-GRO	57P69	P250	204	--	--	97	--	--	--	--	16	92	3	58	114	
DYNA-GRO	57P93	P250	222	--	--	105	--	--	--	--	16	97	4	59	113	
DYNA-GRO	58P59	P250	218	--	--	103	--	--	--	--	16	94	2	57	114	
FONTANELLE	8N422	P250	230	--	--	109	--	--	--	--	16	97	1	58	116	
FONTANELLE	HC-7931YGCB	P250	227	--	--	108	--	--	--	--	16	91	1	57	115	
FONTANELLE	HC-7951YGCB	P250	208	--	--	98	--	--	--	--	16	92	2	58	111	
FONTANELLE	HC-7971YGCB	P250	197	--	--	93	--	--	--	--	16	91	2	58	107	
GARST	8376YG1		232	--	--	110	--	--	--	--	16	95	1	58	112	
GARST	8383YG1		202	205	204	96	92	--	16	--	16	93	1	60	112	

(continued)

Table 8. Clay Center Irrigated Corn Performance Test, 2003-2004 - continued.

Table 1. Early Season Regional Corn Performance Test, 2003-2004																
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004							
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.		
			2004	2003	2-Yr. AVG.	average										
KAYSTAR	KX-8615Bt	P250	213	--	--	101	--	--	--	--	16	99	2	57	109	
KRUGER	K-9111YGCB	P250	214	--	--	101	--	--	--	--	16	104	1	57	112	
KRUGER	K-9114YGCB	P250	211	--	--	100	--	--	--	--	16	93	3	58	116	
KRUGER	K-9115YGCB	P250	224	217	221	106	98	--	16	--	16	93	0	59	113	
KRUGER	K-9212RR/YGCB	P250	231	240	235	109	108	--	16	--	16	97	1	58	114	
KRUGER	K-9315YGCB	P250	201	--	--	95	--	--	--	--	16	91	0	59	115	
KRUGER	K-9414YGCB	P250	202	--	--	96	--	--	--	--	16	98	3	58	117	
LEWIS	5454YGCBBR	P250	220	--	--	104	--	--	--	--	16	88	2	58	115	
LEWIS	7044YGCB	P250	209	238	224	99	107	--	17	--	16	86	1	58	113	
MATURITY CHECK	FULL - M798		207	221	214	98	100	--	17	--	16	92	11	61	117	
MATURITY CHECK	MID-NC+4823B	P250	220	--	--	104	--	--	--	--	16	94	0	58	113	
MATURITY CHECK	SHORT - G8590		196	200	198	93	90	--	16	--	16	91	0	58	108	
MIDLAND	7A14YGCB	P250	211	--	--	100	--	--	--	--	16	93	4	58	114	
MIDLAND	7A29YGCB	P250	219	--	--	104	--	--	--	--	16	88	1	57	113	
MIDLAND	7B13YGCB	P250	226	--	--	107	--	--	--	--	16	98	1	58	111	
MIDLAND	7B15YGCB	P250	222	--	--	105	--	--	--	--	16	99	0	58	111	
PFISTER	2656Bt	P1250	222	--	--	105	--	--	--	--	16	95	0	58	109	
PFISTER	3030Bt	P1250	199	--	--	94	--	--	--	--	16	93	4	58	119	
PIONEER	33R78	C	209	--	--	99	--	--	--	--	16	89	5	58	122	
PREMIUM	P236		201	--	--	95	--	--	--	--	16	87	2	58	108	
RENZE	3364YGPL	P250	217	--	--	103	--	--	--	--	16	99	0	58	110	
RENZE	5425HX1	P250	187	--	--	88	--	--	--	--	16	94	1	57	109	
RENZE	5455HX1	P250	216	--	--	102	--	--	--	--	16	99	2	59	115	
RENZE	8354YGCB	P250	190	--	--	90	--	--	--	--	16	94	9	60	104	
RENZE	8364YGCB	P250	210	--	--	99	--	--	--	--	16	100	0	57	111	
RENZE	8394YGCB	P250	221	--	--	105	--	--	--	--	16	97	1	58	115	
RENZE	8454YGCB	P250	217	--	--	103	--	--	--	--	16	91	2	58	114	
ST CHK	M798 Cruiser	C	185	--	--	88	--	--	--	--	16	85	12	61	116	
ST CHK	M798 P250	P250	196	--	--	93	--	--	--	--	16	83	16	61	117	
STINE	9804YGCB	P250	198	--	--	94	--	--	--	--	16	103	2	56	104	
TRIUMPH	1866Bt	P1250	181	204	192	86	92	--	16	--	16	102	14	61	120	
TRIUMPH	2011RR	P1250	193	214	204	92	96	--	16	--	16	92	8	60	113	
WARNER	4602B	P250	214	--	--	101	--	--	--	--	16	81	2	58	112	
ACCESS	AEXP5417YGCB	P250	218	--	--	103	--	--	--	--	17	98	4	60	108	
CROPLAN GEN.	705RR	C	186	--	--	88	--	--	--	--	17	92	3	59	109	
CROPLAN GEN.	799Bt	C	203	--	--	96	--	--	--	--	17	97	1	60	122	
CROPLAN GEN.	818RRBT	C	227	242	234	107	109	--	17	--	17	93	3	58	109	
GARST	8288		207	229	218	98	103	--	17	--	17	101	2	60	120	
GARST	8292YG1		208	--	--	99	--	--	--	--	17	89	1	60	122	
KAYSTAR	X4181B	P250	223	--	--	106	--	--	--	--	17	95	0	57	117	
PFISTER	3356Bt	P1250	216	--	--	102	--	--	--	--	17	98	1	58	117	
PIONEER	31A13	P250	218	222	220	103	100	--	18	--	17	96	2	60	114	
PIONEER	33P67	P250	223	242	232	105	109	--	17	--	17	96	1	61	117	
STINE	9803YGCB	P250	211	242	226	100	109	--	17	--	17	104	2	59	106	
AVERAGES			211	222	217	211	222	--	16	--	16	95	3	58	113	
CV (%)			7	6	--	7	6	--	--	--	2	6	142	1	3	
LSD (0.05)**			20	20	--	9	9	--	--	--	--	9	5	1	5	

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

NORTH-CENTRAL KANSAS SPRINKLER-IRRIGATED CORN TEST

Irrigation Experiment Field, Scandia; Barney Gordon, agronomist; Michael Larson and Allan Milner, technicians

Crete silt loam; Soybean in 2003

220 - 30 - 0 lb/a N, P, K

Planted on 4/28/2004; Harvested on 10/8/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Favorable conditions resulted in excellent yields.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	10.1	6.7	37	36	158	25
April	2.4	2.3	53	52	257	217
May	7.5	3.7	65	63	497	421
June	5.4	4.6	70	73	585	679
July	4.1	3.4	74	78	713	807
August	2.0	3.4	72	77	637	780
Sept.	3.0	3.6	71	68	628	551
Totals:	34.4	27.6	53	52	3,474	3,481

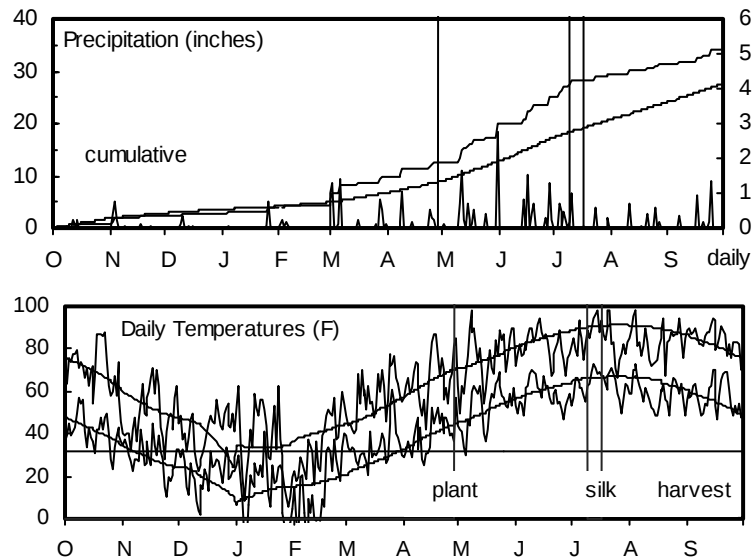


Table 9. Scandia Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	average									
						2004	2003								
DYNA-GRO	57F29	P250	234	--	--	97	--	--	--	70	15	108	1	60	100
KAYSTAR	KX-8615Bt	P250	252	--	--	105	--	--	--	71	15	107	0	59	104
DYNA-GRO	57P69	P250	216	--	--	90	--	--	--	71	16	104	1	59	98
FONTANELLE	7798YGCB/RR	P250	237	--	--	98	--	--	--	71	16	107	4	58	96
ACCESS	AEXP5313YGCB	P250	232	--	--	96	--	--	--	72	16	105	1	58	107
ACCESS	AEXP8413Hx	P250	246	--	--	102	--	--	--	72	16	107	3	59	102
MIDLAND	7B13YGCB	P250	233	--	--	97	--	--	--	72	16	105	6	59	95
MYCOGEN	2T780	C	235	--	--	98	--	--	--	73	17	110	4	59	98
PIONEER	33P67	P250	269	239	254	112	109	79	18	73	17	110	7	60	105
ACCESS	AEXP1516RR	P250	237	--	--	98	--	--	--	74	16	105	1	60	97
ACCESS	AEXP5514YGCB	P250	229	--	--	95	--	--	--	74	16	106	4	59	96
ACCESS	AEXP8414Hx	P250	233	--	--	97	--	--	--	74	16	107	5	60	101
AGSOURCE	6273 CB	P250	256	--	--	106	--	--	--	74	16	108	1	59	104
CROPLAN GEN.	693Bt/CL	C	206	--	--	86	--	--	--	74	16	103	0	58	108
DYNA-GRO	57P93	P250	248	--	--	103	--	--	--	74	16	105	2	60	101
FONTANELLE	8N422	P250	235	--	--	97	--	--	--	74	16	109	4	59	100
KRUGER	K-9111YGCB	P250	269	--	--	112	--	--	--	74	16	109	6	59	105
KRUGER	K-9212RR/YGCB	P250	244	198	221	101	90	80	17	74	16	109	4	58	100
KRUGER	K-9315YGCB	P250	247	--	--	102	--	--	--	74	16	105	0	59	98
KRUGER	K-9414YGCB	P250	231	--	--	96	--	--	--	74	16	109	2	58	100
MATURITY CHECK	MID-NC+4823B	P250	239	--	--	99	--	--	--	74	16	108	2	59	95
MIDLAND	7A29YGCB	P250	234	--	--	97	--	--	--	74	16	106	2	58	100
PFISTER	2656Bt	P1250	236	--	--	98	--	--	--	74	16	104	2	58	100
ACCESS	AEXP0514	P250	244	--	--	101	--	--	--	74	17	107	0	58	104
ACCESS	AEXP5415YGCB	P250	239	--	--	99	--	--	--	74	17	106	3	58	98
ACCESS	AEXP5416YGCB	P250	253	--	--	105	--	--	--	74	17	107	1	59	98
AGSOURCE	6163 CB	C	237	212	224	99	96	79	18	74	17	108	3	59	100
ASGROW	RX752RR/YG	P250	238	--	--	99	--	--	--	74	17	105	1	60	96

(continued)

Table 9. Scandia Irrigated Corn Performance Test, 2003-2004 - continued.

			YIELD					2003-2004		2004					
BRAND	NAME	Seed treat- ment*	bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average									
			2004	2003	AVG.	2004	2003								
CROPLAN GEN.	694Bt	C	211	--	--	87	--	--	--	74	17	107	3	59	100
CROPLAN GEN.	699Bt/CL	C	233	--	--	97	--	--	--	74	17	108	0	59	102
CROPLAN GEN.	799Bt	C	219	--	--	91	--	--	--	74	17	106	7	59	108
DEKALB	DKC60-19R/YGB	P250	233	206	220	97	94	79	18	74	17	105	2	59	96
DEKALB	DKC63-81R/YGB	P250	235	--	--	97	--	--	--	74	17	107	0	60	98
DYNA-GRO	57P46	P250	247	--	--	103	--	--	--	74	17	109	6	59	98
FONTANELLE	HC-7931YGCB	P250	250	--	--	104	--	--	--	74	17	102	3	58	99
FONTANELLE	HC-7951YGCB	P250	246	220	233	102	100	79	18	74	17	106	2	59	96
FONTANELLE	HC-7971YGCB	P250	235	--	--	98	--	--	--	74	17	108	0	58	98
GARST	8376YG1		252	--	--	105	--	--	--	74	17	107	3	59	105
KRUGER	K-9114YGCB	P250	252	--	--	105	--	--	--	74	17	110	2	59	98
MATURITY CHECK	SHORT - G8590		209	213	211	87	97	77	17	74	17	105	3	59	100
MIDLAND	7B15YGCB	P250	257	--	--	107	--	--	--	74	17	106	0	58	98
MYCOGEN	2A812	C	223	210	216	93	96	78	18	74	17	103	7	59	104
NK	N65-M7		228	229	228	95	104	78	18	74	17	107	6	58	98
CROPLAN GEN.	705RR	C	228	--	--	95	--	--	--	74	18	102	0	59	106
DYNA-GRO	58P59	P250	263	--	--	109	--	--	--	74	18	103	0	58	98
LEWIS	7044YGCB	P250	260	--	--	108	--	--	--	74	18	105	3	59	104
MYCOGEN	2T801	C	250	--	--	104	--	--	--	75	17	105	8	59	100
KRUGER	K-9115YGCB	P250	259	215	237	108	98	79	18	75	18	105	3	59	102
ACCESS	AEXP5417YGCB	P250	231	--	--	96	--	--	--	76	18	106	1	59	98
AGSOURCE	5883 CB	P250	244	--	--	101	--	--	--	76	18	106	5	59	100
AGSOURCE	7783 CB	C	244	220	232	102	100	81	18	76	18	105	4	58	98
NC+	5423B	P250	258	--	--	107	--	--	--	76	18	106	0	58	100
PFISTER	3030Bt	P1250	221	--	--	92	--	--	--	76	18	103	4	59	99
PIONEER	33R78	C	280	--	--	116	--	--	--	76	18	100	4	58	109
TAYLOR	955RR/Bt	P250	252	--	--	105	--	--	--	76	18	106	9	58	107
CROPLAN GEN.	731Hx	C	237	--	--	99	--	--	--	77	18	103	2	59	108
CROPLAN GEN.	818RRBT	C	245	231	238	102	105	80	18	77	18	108	3	58	98
DYNA-GRO	57F87	P250	251	--	--	104	--	--	--	77	18	110	3	58	98
GARST	8292YG1		265	--	--	110	--	--	--	77	18	103	4	58	109
GARST	8454YG1		205	239	222	85	109	80	18	77	18	100	0	59	111
KAYSTAR	X4181B	P250	257	--	--	107	--	--	--	77	18	105	0	59	98
MATURITY CHECK	FULL - M798		250	239	244	104	109	82	18	77	18	104	2	60	111
MIDLAND	7A14YGCB	P250	235	--	--	97	--	--	--	77	18	103	6	58	105
NK	N70-T9		234	218	226	97	99	81	18	77	18	107	3	59	98
ST CHK	M798 P250	P250	245	--	--	102	--	--	--	77	18	107	2	58	108
TRIUMPH	1866Bt	P1250	229	--	--	95	--	--	--	77	18	108	1	59	109
WARNER	4602B	P250	265	--	--	110	--	--	--	77	18	101	5	58	98
GARST	8383YG1		238	229	233	99	104	81	19	77	19	103	2	58	98
PFISTER	3356Bt	P1250	250	--	--	104	--	--	--	78	19	106	1	58	105
PIONEER	31A13	P250	245	--	--	102	--	--	--	78	19	107	3	60	100
ST CHK	M798 Cruiser	C	217	--	--	90	--	--	--	78	19	107	3	58	105
	AVERAGES		241	220	230	241	220	79	18	75	17	106	3	59	101
	CV (%)		5	5	--	5	5	--	--	1	1	4	161	0	1
	LSD (0.05)**		18	18	--	7	8	--	--	1	--	5	NS	0	1

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 10. NORTHEAST Kansas IRRIGATED corn hybrid yield summary (% of test avg.), 2004.

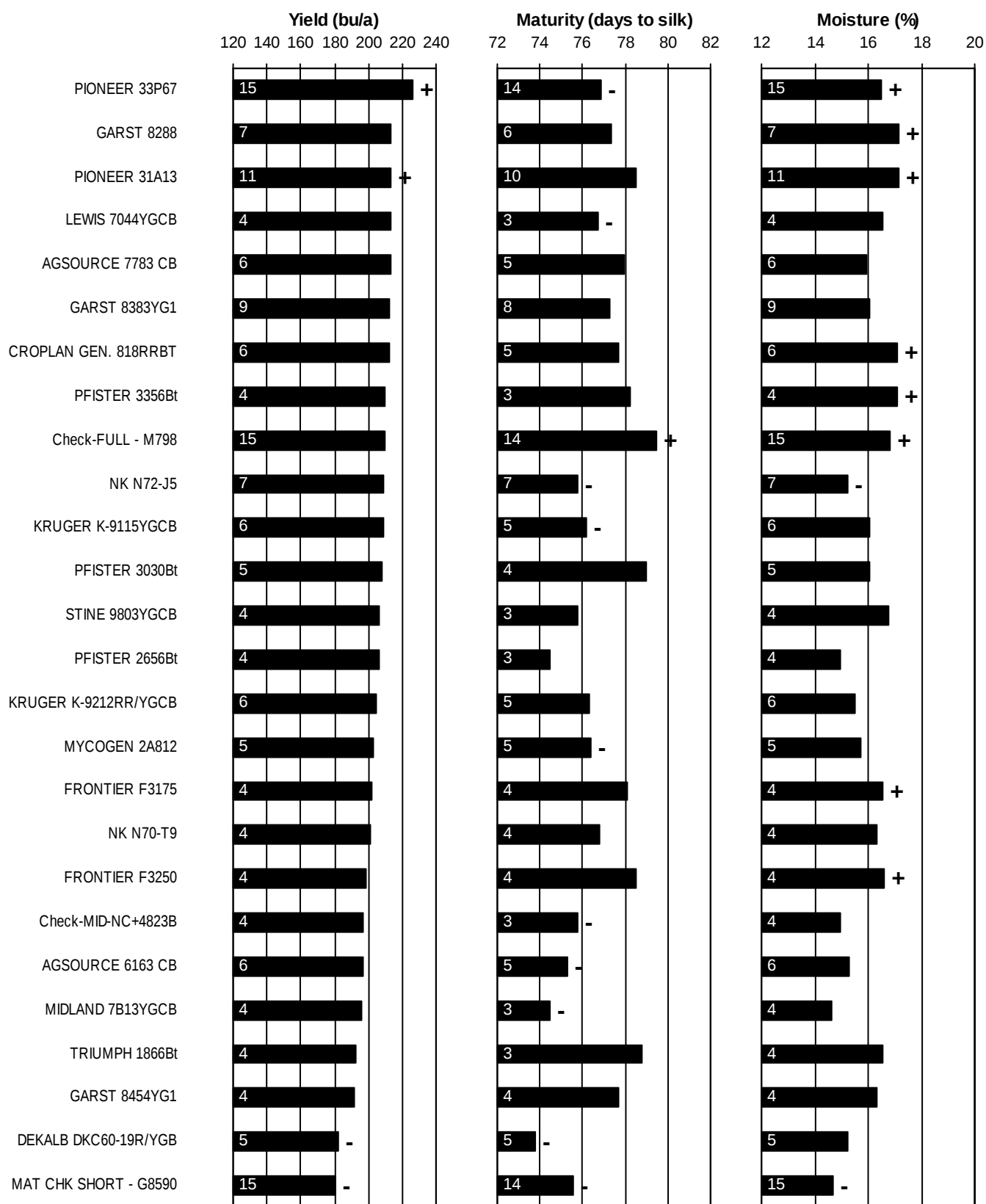
BRAND/NAME	TOP*	CLC	SCA	AVG.	BRAND/NAME	TOP	CLC	SCA	AVG.
ACCESS					MIDLAND				
AEXP0514	98	103	101	101	7A58Bt	99	--	--	--
AEXP1516RR	85	100	98	94	7B13YGCB	93	107	97	99
AEXP5313YGCB	105	102	96	101	7B15YGCB	--	105	107	--
AEXP5415YGCB	103	102	99	101	MYCOGEN				
AEXP5416YGCB	101	101	105	102	2A812	106	--	93	--
AEXP5417YGCB	107	103	96	102	2T780	115	--	98	--
AEXP5514YGCB	87	96	95	93	2T801	104	--	104	--
AEXP8413Hx	97	93	102	97	NC+				
AEXP8414Hx	108	102	97	102	5423B	--	--	107	--
AGSOURCE					5433RB	97	--	--	--
5883 CB	--	101	101	--	NK				
6163 CB	97	99	99	98	N65-M7	--	--	95	--
6273 CB	95	102	106	101	N70-T9	103	--	97	--
7783 CB	110	108	102	107	N72-J5	99	--	--	--
ASGROW					N76-H2	100	--	--	--
RX752RR/YG	98	--	99	--	PFISTER				
CROPLAN GEN.					2656Bt	103	105	98	102
693Bt/CL	96	99	86	93	2750Bt	98	--	--	--
694Bt	89	--	87	--	2760	97	--	--	--
699Bt/CL	103	100	97	100	3030Bt	106	94	92	97
705RR	92	88	95	91	3356Bt	101	102	104	102
731Hx	119	107	99	108	PIONEER				
799Bt	98	96	91	95	31A13	99	103	102	101
818RRBT	104	107	102	104	33P67	105	105	112	107
DEKALB					33R78	110	99	116	109
DKC60-19R/YGB	83	--	97	--	PREMIUM				
DKC63-81R/YGB	101	--	97	--	P236	--	95	--	--
DYNA-GRO					PRODUCERS				
57F29	90	92	97	93	7284BT	101	--	--	--
57F87	103	104	104	104	7373RRBT	108	--	--	--
57P46	95	103	103	100	RAINBOW				
57P69	98	97	90	95	3158YGCB	98	--	--	--
57P93	105	105	103	104	RENZE				
58P59	115	103	109	109	3364YGPL	89	103	--	--
FONTANELLE					5425HX1	100	88	--	--
7798YGCB/RR	--	99	98	--	5455HX1	89	102	--	--
8N422	--	109	97	--	8354YGCB	89	90	--	--
HC-7931YGCB	--	108	104	--	8364YGCB	95	99	--	--
HC-7951YGCB	--	98	102	--	8394YGCB	109	105	--	--
HC-7971YGCB	--	93	98	--	8454YGCB	103	103	--	--
GARST					ST CHK				
8288	--	98	--	--	M798 Cruiser	92	88	90	90
8292YG1	95	99	110	101	M798 P250	98	93	102	98
8376YG1	--	110	105	--	STINE				
8377YG1/RR	108	--	--	--	9720YGCB	93	--	--	--
8383YG1	105	96	99	100	9803YGCB	103	100	--	--
8454YG1	94	--	85	--	9804YGCB	--	94	--	--
KAYSTAR					TAYLOR				
KX-8615Bt	--	101	105	--	955RR/Bt	112	--	105	--
X4181B	--	106	107	--	990RR/Bt	115	--	--	--
KRUGER					TRIUMPH				
K-9111YGCB	103	101	112	105	1416Bt	103	--	--	--
K-9114YGCB	106	100	105	104	1866Bt	--	86	95	--
K-9115YGCB	112	106	108	109	2011RR	--	92	--	--
K-9212RR/YGCB	97	109	101	102	WARNER				
K-9315YGCB	104	95	102	101	4602B	101	101	110	104
K-9414YGCB	93	96	96	95	MATURITY CHECK				
LEWIS					FULL - M798	103	98	104	102
5454YGCBRR	102	104	--	--	MID-NC+4823B	96	104	99	100
5645YGCB	101	--	--	--	SHORT - G8590	74	93	87	84
7044YGCB	105	99	108	104	AVERAGES (bu/a)				
MIDLAND					239	211	241	230	
7A14YGCB	--	100	97	--	CV (%)	8	7	5	--
7A15Bt	98	--	--	--	LSD (0.05)	11	9	7	--
7A28Bt	112	--	--	--					
7A29YGCB	--	104	97	--					

* TOP = Topeka, Shawnee Co.

CLC = Clay Center, Clay Co.

SCA = Scandia, Republic Co.

**Figure 5. NORTHEAST Kansas IRRIGATED corn hybrid
standardized performance summary, 2000-2004.**



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

EASTERN KANSAS DRYLAND CORN TEST ON SILTY CLAY LOAM

Private farm northwest of Topeka; Larry Maddux, agronomist; Charles Clark and William Riley, technicians

Silty clay loam; Soybean in 2003

155 - 35 - 0 lb/a N, P, K

Planted on 4/13/2004; Harvested on 9/29/2004

Target stand of 22,000 plants/acre; 9.5 in. spacing

Above average rainfall in May and June and favorable temperatures resulted in excellent yields.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	10.1	9.9	38	38	134	50
April	1.2	2.9	56	54	306	236
May	5.6	4.0	67	64	548	444
June	5.9	5.0	71	73	606	698
July	7.9	4.1	75	78	729	827
August	5.6	3.7	71	77	643	802
Sept.	0.9	3.5	69	69	611	584
Totals:	37.2	33.2	53	54	3,575	3,640

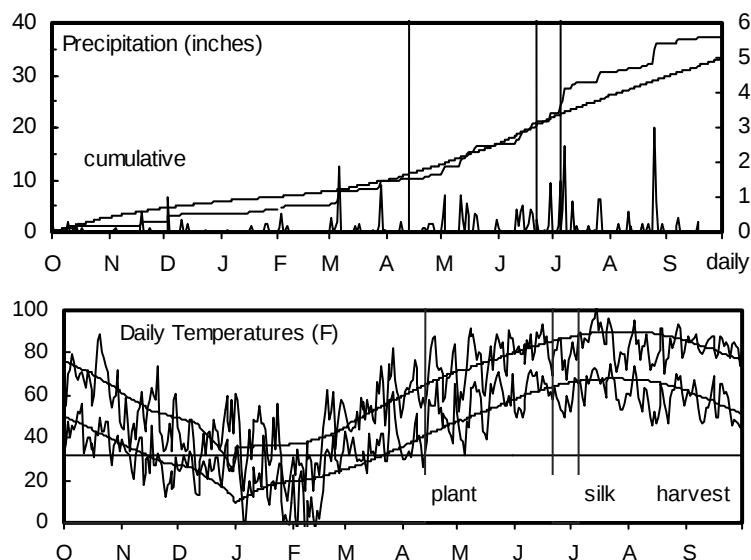


Table 11. Topeka Dryland Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat-ment*	YIELD						2003-2004		2004					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. AVG.	2004	2003	average								
PIONEER	35P15	C	179	58	118	87	90		73	12	68	13	98	--	58	101
ASGROW	RX752RR/YG	P250	205	--	--	100	--		--	--	70	14	102	--	58	109
DEKALB	DKC60-19R/YGB	P250	190	--	--	92	--		--	--	70	14	101	--	58	99
GARST	8545		176	67	122	85	105		75	12	71	13	96	--	57	111
MIDLAND	7B13YGCB	P250	210	68	139	102	105		75	12	71	13	101	--	57	104
PIONEER	34H32	C	184	--	--	90	--		--	--	71	14	102	--	60	111
STINE	9804YGCB	P250	207	--	--	101	--		--	--	71	15	101	--	56	105
CROPLAN GEN.	501Bt	C	171	--	--	83	--		--	--	72	12	105	--	56	113
PFISTER	2326Bt	P1250	194	--	--	94	--		--	--	72	12	98	--	56	110
ACCESS	AEXP5313YGCB	P250	201	--	--	98	--		--	--	72	13	98	--	57	109
CROPLAN GEN.	693Bt/CL	C	219	--	--	106	--		--	--	72	13	103	--	57	113
DEKALB	DKC63-81R/YGB	P250	204	--	--	99	--		--	--	72	13	105	--	58	100
KRUGER	K-9114YGCB	P250	207	--	--	100	--		--	--	72	13	106	--	57	113
KRUGER	K-9212RR/YGCB	P250	217	--	--	105	--		--	--	72	13	103	--	57	116
MATURITY CHECK	SHORT - G8590		178	57	117	86	89		76	12	72	13	93	--	57	112
NK	N65-M7		204	61	132	99	95		76	12	72	13	107	--	57	109
NK	N72-J5		220	72	146	107	112		76	13	72	13	104	--	57	115
RENZE	3364YGPL	P250	194	--	--	94	--		--	--	72	13	103	--	57	107
RENZE	9363YGCB/RR	P250	214	70	142	104	110		76	12	72	13	108	--	57	113
STINE	9723	P250	171	--	--	83	--		--	--	72	13	100	--	57	111
TAYLOR	960RR/Bt	P250	197	--	--	96	--		--	--	72	13	99	--	57	113
ACCESS	AEXP1516RR	P250	179	--	--	87	--		--	--	72	14	102	--	60	110
ACCESS	AEXP5416YGCB	P250	216	--	--	105	--		--	--	72	14	98	--	57	106
ACCESS	AEXP5514YGCB	P250	190	--	--	92	--		--	--	72	14	98	--	57	105

(continued)

Table 11. Topeka Dryland Corn Performance Test, 2003-2004 - continued.

YIELD															
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average									
ACCESS	AEXP8414Hx	P250	226	--	--	110	--	--	--	72	14	91	--	57	113
KRUGER	K-9115YGCB	P250	226	--	--	110	--	--	--	72	14	99	--	57	109
KRUGER	K-9315YGCB	P250	216	--	--	105	--	--	--	72	14	101	--	58	110
MIDLAND	7A15Bt		229	65	147	111	101	76	13	72	14	99	--	57	114
NK	N70-T9		218	67	143	106	104	76	12	72	14	106	--	57	110
RENZE	8454YGCB	P250	234	65	150	114	102	76	12	72	14	103	--	57	108
WARNER	4602B	P250	206	--	--	100	--	--	--	72	14	95	--	56	112
ACCESS	AEXP8413Hx	P250	210	--	--	102	--	--	--	73	13	98	--	57	108
MATURITY CHECK	MID-NC+4823B	P250	203	52	128	98	81	76	12	73	13	102	--	57	113
MYCOGEN	2G768	C	202	75	139	98	116	76	12	73	13	101	--	57	116
PFISTER	2656RR	P1250	201	--	--	98	--	--	--	73	13	103	--	56	112
PIONEER	34M93	P250	184	--	--	90	--	--	--	73	13	102	--	57	111
RENZE	5425HX1	P250	203	--	--	99	--	--	--	73	13	100	--	57	111
CROPLAN GEN.	731Hx	C	240	--	--	117	--	--	--	73	14	107	--	57	116
KRUGER	K-9414YGCB	P250	224	--	--	109	--	--	--	73	14	107	--	57	114
MYCOGEN	2T780	C	243	--	--	118	--	--	--	73	14	102	--	56	114
RENZE	5455HX1	P250	201	--	--	98	--	--	--	73	14	103	--	57	118
ACCESS	AEXP0514	P250	222	--	--	108	--	--	--	74	13	98	--	57	110
KRUGER	K-9111YGCB	P250	205	--	--	99	--	--	--	74	13	108	--	56	115
MYCOGEN	2P786	C	206	--	--	100	--	--	--	74	13	94	--	56	111
PFISTER	2730	P1250	207	--	--	101	--	--	--	74	13	95	--	56	109
ACCESS	AEXP5415YGCB	P250	222	--	--	108	--	--	--	74	14	104	--	56	120
CROPLAN GEN.	705RR	C	191	--	--	93	--	--	--	74	14	97	--	57	109
MIDLAND	7A28Bt		234	66	150	114	103	78	13	74	14	99	--	56	116
PFISTER	2760	P1250	203	79	141	99	123	77	13	74	14	103	--	59	120
PFISTER	3153RR	P1250	199	--	--	97	--	--	--	74	14	94	--	56	108
MIDLAND	7A58Bt		204	--	--	99	--	--	--	74	15	101	--	57	115
ACCESS	AEXP5417YGCB	P250	220	--	--	107	--	--	--	74	16	110	--	58	113
GOLDEN ACRES	2841RRB	P250	223	--	--	109	--	--	--	76	14	95	--	55	115
MATURITY CHECK	FULL - M798		216	59	138	105	92	81	15	78	15	108	--	59	115
ST CHK	M798 Cruiser	C	224	--	--	109	--	--	--	78	15	103	--	59	116
GOLDEN ACRES	X-6420Bt	P250	213	--	--	104	--	--	--	78	17	96	--	59	119
GOLDEN ACRES	2995RR	P250	200	--	--	97	--	--	--	80	15	96	--	56	107
ST CHK	M798 P250	P250	214	--	--	104	--	--	--	80	15	106	--	59	121
AVERAGES			206	64	135	206	64	76	13	73	14	101	--	57	111
CV (%)			7	14	--	7	14	--	--	2	3	6	--	1	5
LSD (0.05)**			20	13	--	10	20	--	--	2	--	8	--	1	8

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

EAST-CENTRAL KANSAS DRYLAND CORN TEST ON UPLAND SILT LOAM SOIL

East Central Kansas Experiment Field, Ottawa; Larry Maddux, agronomist; Jim Kimball, technician

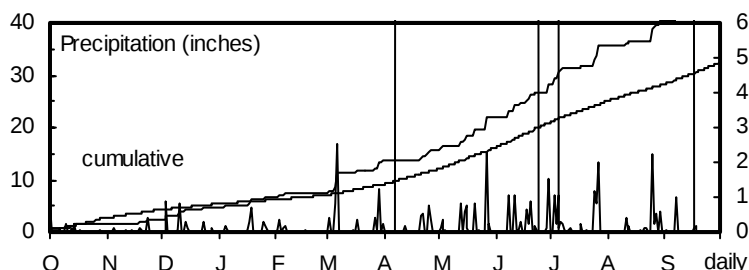
Woodson silt loam; Soybean in 2003

111 - 38 - 0 lb/a N, P, K

Planted on 4/6/2004; Harvested on 9/14/2004

Target stand of 21,000 plants/acre; 10.0 in. spacing

The test field was strip tilled and fertilized in the fall, enabling planting with no additional tillage in the spring. Rainfall was above normal from May through August.



Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	13.5	9.3	43	41	190	93
April	2.3	2.9	57	56	321	277
May	6.2	4.3	68	65	576	480
June	6.3	4.8	72	74	658	713
July	7.4	4.1	76	80	770	830
August	4.5	3.2	73	79	689	807
Sept.	1.3	4.3	70	71	631	630
Totals:	41.6	32.8	56	56	3,834	3,830

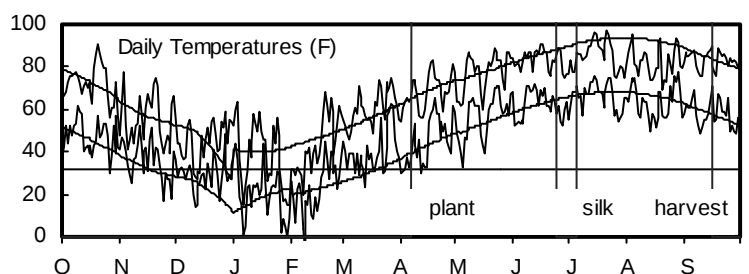


Table 12. Ottawa Corn Performance Test, 2002-2004.

Table 12. Ottawa Corn Performance Test, 2002-2004.																
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004						
			bushels/acre		% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2002	2-Yr. AVG.	average										
						2004	2003									
PFISTER	2326Bt	P1250	156	--	--	97	--	--	--	78	14	--	--	56	94	
MATURITY CHECK	MID-NC+4823B	P250	160	--	--	100	--	--	--	78	15	--	--	56	99	
PFISTER	2656RR	P1250	175	--	--	109	--	--	--	78	15	--	--	56	102	
PIONEER	35P15	C	147	54	100	92	135	77	13	78	15	--	--	58	92	
DEKALB	DKC60-19R/YGB	P250	160	--	--	100	--	--	--	78	16	--	--	57	88	
NK	N70-T9		169	--	--	105	--	--	--	78	16	--	--	56	97	
STINE	9720YGCB	P250	163	--	--	101	--	--	--	78	16	--	--	56	95	
ASGROW	RX752RR/YG	P250	166	--	--	103	--	--	--	78	17	--	--	58	96	
CROPLAN GEN.	501Bt	C	145	--	--	90	--	--	--	79	13	--	--	56	100	
GARST	8545		151	--	--	94	--	--	--	79	15	--	--	57	101	
ACCESS	AEXP5514YGCB	P250	178	--	--	111	--	--	--	79	16	--	--	57	92	
KRUGER	K-9115YGCB	P250	172	--	--	107	--	--	--	79	16	--	--	56	98	
MIDLAND	7B13YGCB	P250	158	--	--	98	--	--	--	79	16	--	--	56	100	
NK	N65-M7		155	59	107	96	148	78	13	79	16	--	--	56	98	
PIONEER	34H32	C	150	--	--	93	--	--	--	79	16	--	--	60	98	
PRODUCERS	7284BT	C	167	--	--	104	--	--	--	79	16	--	--	57	93	
WARNER	4602B	P250	149	--	--	92	--	--	--	79	16	--	--	56	101	
STINE	9804YGCB	P250	148	--	--	92	--	--	--	79	18	--	--	54	95	
KRUGER	K-9111YGCB	P250	163	--	--	101	--	--	--	80	14	--	--	56	101	
CROPLAN GEN.	693Bt/CL	C	154	--	--	96	--	--	--	80	15	--	--	56	106	
CROPLAN GEN.	731Hx	C	182	--	--	113	--	--	--	80	16	--	--	56	109	
KRUGER	K-9212RR/YGCB	P250	155	--	--	96	--	--	--	80	16	--	--	56	103	

(continued)

Table 12. Ottawa Corn Performance Test, 2002-2004 - continued.

YIELD															
BRAND	NAME	Seed treat- ment*	bushels/acre		% of test average		2003-2004		2004						
			2004	2002	2-Yr. AVG.	2004	2003	Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
KRUGER	K-9414YGCB	P250	162	--	--	101	--	--	--	80	16	--	--	56	105
MIDLAND	7A15Bt		154	--	--	96	--	--	--	80	16	--	--	56	100
NK	N72-J5		182	--	--	113	--	--	--	80	16	--	--	55	105
PFISTER	2730	P1250	165	--	--	103	--	--	--	80	16	--	--	55	96
STINE	9619YGCB	P250	162	--	--	101	--	--	--	80	16	--	--	56	95
PRODUCERS	7373RRBT	C	168	--	--	104	--	--	--	80	17	--	--	56	102
STINE	9723	P250	151	--	--	94	--	--	--	80	17	--	--	56	98
CROPLAN GEN.	705RR	C	154	--	--	95	--	--	--	80	18	--	--	58	96
STINE	9803YGCB	P250	165	--	--	103	--	--	--	80	18	--	--	57	101
GARST	8292YG1		152	--	--	94	--	--	--	80	19	--	--	57	104
MATURITY CHECK	SHORT - G8590		151	48	100	94	121	79	13	81	15	--	--	57	98
ACCESS	AEXP8414Hx	P250	169	--	--	105	--	--	--	81	16	--	--	55	110
GARST	8350YG1		154	--	--	96	--	--	--	81	17	--	--	57	100
GOLDEN ACRES	2841RRB	P250	164	--	--	102	--	--	--	81	17	--	--	54	105
KRUGER	K-9114YGCB	P250	166	--	--	103	--	--	--	81	17	--	--	56	103
KRUGER	K-9315YGCB	P250	157	28	92	97	71	80	--	81	17	--	--	57	99
STINE	9716	P250	157	--	--	98	--	--	--	81	17	--	--	57	101
ACCESS	AEXP0514	P250	169	--	--	105	--	--	--	82	16	--	--	55	105
DEKALB	DKC63-81R/YGB	P250	158	--	--	98	--	--	--	82	16	--	--	58	97
PFISTER	2760	P1250	162	--	--	101	--	--	--	82	16	--	--	59	107
WILLCROSS	3103CB		162	--	--	100	--	--	--	82	16	--	--	58	103
ACCESS	AEXP1516RR	P250	144	--	--	90	--	--	--	82	17	--	--	60	101
ACCESS	AEXP5415YGCB	P250	152	--	--	94	--	--	--	82	17	--	--	55	106
PFISTER	3153RR	P1250	159	--	--	99	--	--	--	82	17	--	--	56	98
ACCESS	AEXP5417YGCB	P250	172	--	--	107	--	--	--	82	18	--	--	57	100
NK	N76-H2		160	--	--	99	--	--	--	82	18	--	--	55	103
WILLCROSS	3143CB		174	--	--	108	--	--	--	83	17	--	--	54	107
MATURITY CHECK	FULL - M798		168	33	101	105	84	82	18	83	18	--	--	58	110
ST CHK	M798 Cruiser	C	167	--	--	104	--	--	--	83	18	--	--	58	112
ST CHK	M798 P250	P250	178	--	--	110	--	--	--	83	18	--	--	58	110
WILLCROSS	3179RR		158	--	--	98	--	--	--	84	18	--	--	57	111
PIONEER	31G66	P250	174	--	--	108	--	--	--	85	18	--	--	56	112
GOLDEN ACRES	X-6420Bt	P250	164	--	--	102	--	--	--	86	20	--	--	58	109
GOLDEN ACRES	2995RR	P250	170	--	--	106	--	--	--	88	18	--	--	53	101
AVERAGES			161	40	100	161	40	80	15	81	16	--	--	56	101
CV (%)			9	21	--	9	21	--	--	1	3	--	--	1	4
LSD (0.05)**			19	11	--	12	29	--	--	1	1	--	--	1	5

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

SOUTHEAST KANSAS DRYLAND CORN TEST ON RIVER-BOTTOM SILT LOAM SOIL

Private farm south of Erie; James Long, agronomist; Kelly Kusel, research technician

Lanton silt loam; Soybean in 2003

220 - 100 - 100 lb/a N, P, K

Planted on 4/6/2004; Harvested on 9/8/2004

Target stand of 25,000 plants/acre; 8.4 in. spacing

Rainfall was abundant to the point of excess at times, reducing stands early in the season.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	15.7	12.5	43	41	177	82
April	5.5	3.5	56	56	282	266
May	3.5	4.8	68	66	577	485
June	5.7	4.9	72	74	648	723
July	5.0	4.6	75	80	749	844
August	2.8	4.0	73	79	695	817
Sept.	1.3	4.7	71	71	643	640
Totals:	39.3	38.9	56	56	3,768	3,856

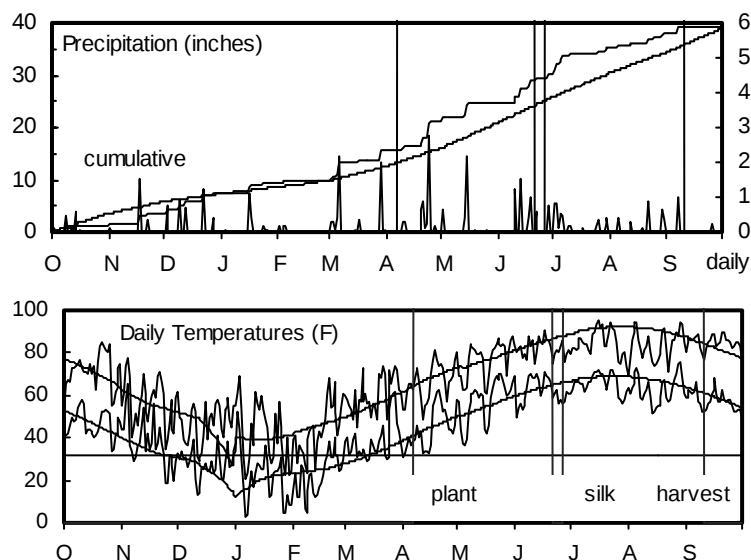


Table 13. Erie Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat-ment*	YIELD				2003-2004		2004					
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. average	2-Yr. average								
CROPLAN GEN.	501Bt	C	178	--	--	97	--	--	74	15	97	3	58	96
DEKALB	DKC60-19R/YGB	P250	183	181	182	100	93	80	74	15	91	2	59	92
GARST	8545		172	197	184	94	101	79	74	15	95	1	57	101
STINE	9720YGCB	P250	194	--	--	107	--	--	74	15	98	0	58	95
WARNER	4602B	P250	157	--	--	86	--	--	74	15	86	2	56	101
CROPLAN GEN.	705RR	C	168	--	--	92	--	--	74	16	91	12	58	98
MATURITY CHECK SHORT - G8590			151	162	156	83	83	80	75	14	87	5	58	92
CROPLAN GEN.	693Bt/CL	C	188	--	--	103	--	--	75	15	94	4	56	107
MIDLAND	7B13YGCB	P250	181	--	--	99	--	--	75	15	91	4	57	100
MYCOGEN	2A812	C	198	205	202	109	105	80	75	15	98	2	56	110
ASGROW	RX752RR/YG	P250	192	--	--	105	--	--	75	16	89	5	58	98
DEKALB	DKC63-81R/YGB	P250	173	--	--	95	--	--	76	15	94	4	59	95
GARST	8225YG1/RR		181	--	--	99	--	--	76	15	91	4	57	103
MATURITY CHECK FULL - M798			175	193	184	96	98	81	76	15	93	3	59	107
MIDLAND	7A15Bt		171	200	186	94	102	81	76	15	98	1	57	103
MIDLAND	7A28Bt		213	206	209	117	105	81	76	15	92	2	55	107
NC+	5423B	P250	180	213	196	99	109	81	76	15	90	3	57	100
TRIUMPH	1866Bt	P1250	203	214	209	112	109	81	76	15	98	4	58	108
CROPLAN GEN.	731Hx	C	207	--	--	114	--	--	76	16	98	1	57	106
GARST	8450IT		177	--	--	97	--	--	76	16	97	5	56	100
GARST	8454YG1		170	205	187	93	105	81	76	16	89	6	56	99
GOLDEN ACRES	2841RRB	P250	196	--	--	108	--	--	76	16	92	2	56	104
MATURITY CHECK	MID-NC+4823B	P250	193	203	198	106	104	81	76	16	96	0	57	93
MYCOGEN	2T780	C	177	--	--	97	--	--	76	16	93	4	57	104

(continued)

Table 13. Erie Corn Performance Test, 2003-2004 - continued.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004							
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.		
			2004	2003	2003	2-Yr. AVG.	average									2004	2003
PIONEER	31A13	P250	194	204	199	106	104	81	16	76	16	98	1	57	110		
PIONEER	31G66	P250	209	--	--	115	--	--	--	76	16	100	0	58	111		
STINE	9716	P250	179	--	--	98	--	--	--	76	16	95	2	59	98		
STINE	9803YGCB	P250	186	--	--	102	--	--	--	76	16	97	4	59	97		
MIDLAND	7A58Bt		184	--	--	101	--	--	--	76	17	90	6	55	106		
WILLCROSS	3103CB		164	--	--	90	--	--	--	77	15	87	1	59	103		
WILLCROSS	3143CB		206	--	--	113	--	--	--	77	16	99	1	56	107		
GOLDEN ACRES	X-6420Bt	P250	171	--	--	94	--	--	--	78	16	93	3	59	116		
WILLCROSS	3179RR		165	--	--	90	--	--	--	78	16	93	5	57	106		
PIONEER	33R78	C	215	--	--	118	--	--	--	78	17	94	1	56	118		
GOLDEN ACRES	2995RR	P250	161	--	--	88	--	--	--	80	17	91	7	56	105		
	AVERAGES		182	196	189	182	196	80	15	76	15	93	3	57	103		
	CV (%)		9	6	--	9	6	--	--	1	4	7	115	1	3		
	LSD (0.05)**		23	17	--	13	9	--	--	1	1	9	5	1	5		

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 14. EAST Kansas corn hybrid yield summary (% of test average), 2004.

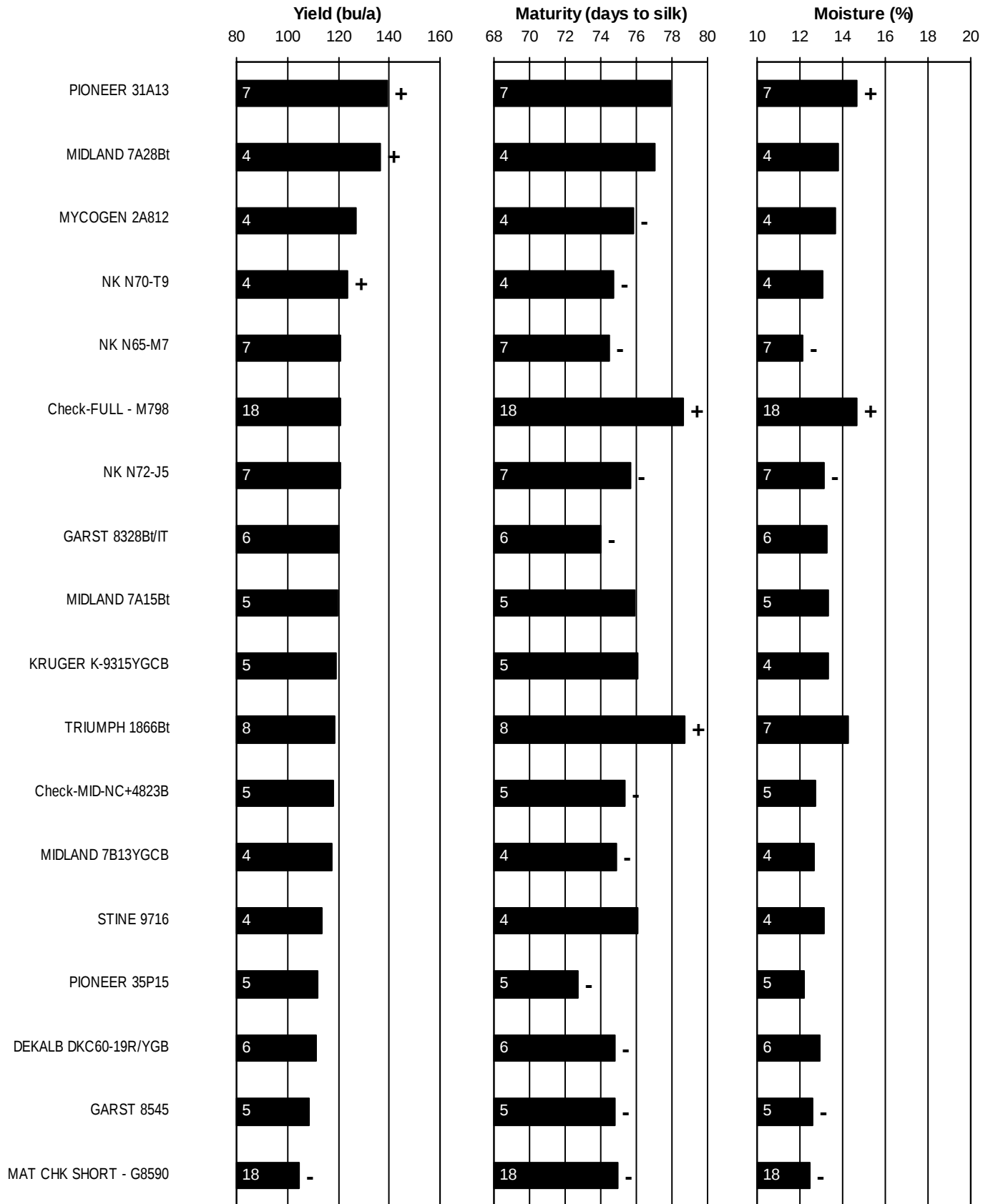
BRAND/NAME	TOP*	OTT	ERI	AVG.	BRAND/NAME	TOP	OTT	ERI	AVG.
ACCESS					PFISTER				
AEXP0514	108	105	--	--	2326Bt	94	97	--	--
AEXP1516RR	87	90	--	--	2656RR	98	109	--	--
AEXP5313YGCB	98	--	--	--	2730	101	103	--	--
AEXP5415YGCB	108	94	--	--	2760	99	101	--	--
AEXP5416YGCB	105	--	--	--	3153RR	97	99	--	--
AEXP5417YGCB	107	107	--	--	PIONEER				
AEXP5514YGCB	92	111	--	--	31A13	--	--	106	--
AEXP8413Hx	102	--	--	--	31G66	--	108	115	--
AEXP8414Hx	110	105	--	--	33R78	--	--	118	--
ASGROW					34H32	90	93	--	--
RX752RR/YG	100	103	105	103	34M93	90	--	--	--
CROPLAN GEN.					35P15	87	92	--	--
501Bt	83	90	97	90	PRODUCERS				
693Bt/CL	106	96	103	102	7284BT	--	104	--	--
705RR	93	95	92	93	7373RRBT	--	104	--	--
731Hx	117	113	114	115	RENZE				
DEKALB					3364YGPL	94	--	--	--
DKC60-19R/YGB	92	100	100	97	5425HX1	99	--	--	--
DKC63-81R/YGB	99	98	95	97	5455HX1	98	--	--	--
GARST					8454YGCB	114	--	--	--
8225YG1/RR	--	--	99	--	9363YGCB/RR	104	--	--	--
8292YG1	--	94	--	--	ST CHK				
8350YG1	--	96	--	--	M798 Cruiser	109	104	--	--
8450IT	--	--	97	--	M798 P250	104	110	--	--
8454YG1	--	--	93	--	STINE				
8545	85	94	94	91	9619YGCB	--	101	--	--
GOLDEN ACRES					9716	--	98	98	--
2841RRB	109	102	108	106	9720YGCB	--	101	107	--
2995RR	97	106	88	97	9723	83	94	--	--
X-6420Bt	104	102	94	100	9803YGCB	--	103	102	--
KRUGER					9804YGCB	101	92	--	--
K-9111YGCB	99	101	--	--	TAYLOR				
K-9114YGCB	100	103	--	--	960RR/Bt	96	--	--	--
K-9115YGCB	110	107	--	--	TRIUMPH				
K-9212RR/YGCB	105	96	--	--	1866Bt	--	--	112	--
K-9315YGCB	105	97	--	--	WARNER				
K-9414YGCB	109	101	--	--	4602B	100	92	86	93
MIDLAND					WILLCROSS				
7A15Bt	111	96	94	100	3103CB	--	100	90	--
7A28Bt	114	--	117	--	3143CB	--	108	113	--
7A58Bt	99	--	101	--	3179RR	--	98	90	--
7B13YGCB	102	98	99	100	MATURITY CHECK				
MYCOGEN					FULL - M798	105	105	96	102
2A812	--	--	109	--	MID-NC+4823B	98	100	106	101
2G768	98	--	--	--	SHORT - G8590	86	94	83	88
2P786	100	--	--	--	AVERAGES (bu/a)				
2T780	118	--	97	--	206	161	182	183	
NC+					CV (%)	7	9	9	--
5423B	--	--	99	--	LSD (0.05)	10	12	13	--
NK									
N65-M7	99	96	--	--					
N70-T9	106	105	--	--					
N72-J5	107	113	--	--					
N76-H2	--	99	--	--					

* TOP = Topeka, Shawnee Co.

OTT = Ottawa, Franklin Co.

ERI = Erie, Neosho Co.

Figure 6. EAST Kansas corn hybrid standardized performance summary, 2000-2004.



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

EAST-CENTRAL KANSAS DRYLAND SHORT-SEASON CORN TEST ON SILT LOAM SOIL

East Central Kansas Experiment Field, Ottawa; Larry Maddux, agronomist; Jim Kimball, technician

Woodson silt loam; Soybean in 2003

111 - 35 - 0 lb/a N, P, K

Planted on 4/6/2004; Harvested on 9/14/2004

Target stand of 22,000 plants/acre; 9.5 in. spacing

Strip tilled and fertilized in the fall; no spring tillage.
Above-normal rainfall May through August.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	13.5	9.3	43	41	190	93
April	2.3	2.9	57	56	321	277
May	6.2	4.3	68	65	576	480
June	6.3	4.8	72	74	658	713
July	7.4	4.1	76	80	770	830
August	4.5	3.2	73	79	689	807
Sept.	1.3	4.3	70	71	631	630
Totals:	41.6	32.8	56	56	3,834	3,830

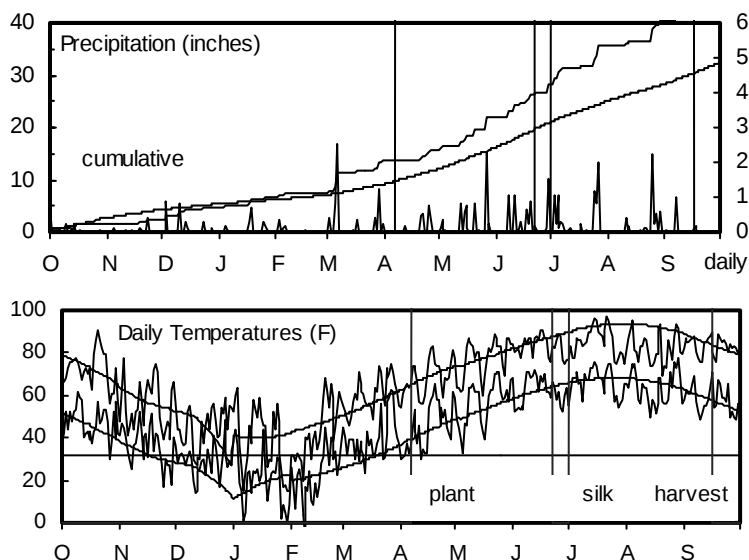


Table 15. Ottawa Short-Season Corn Performance Test, 2003-2004.

YIELD															2003-2004		2004					
BRAND	NAME	Seed treat-ment*	bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.								
			2004	2003	AVG.	2004									2003							
CROPLAN GEN.	364Bt	C	172	--	--	108	--	--	--	76	13	--	--	57	89							
DEKALB	DKC47-10R/YGB	P250	154	--	--	96	--	--	--	76	13	--	--	58	82							
GARST	8888		150	--	--	94	--	--	--	76	13	--	--	57	89							
PIONEER	35P15	C	156	--	--	97	--	--	--	76	15	--	--	58	94							
CROPLAN GEN.	441Bt	C	162	--	--	102	--	--	--	77	13	--	--	57	93							
DEKALB	DKC50-20R/YGB	P250	156	--	--	98	--	--	--	77	13	--	--	58	86							
DYNA-GRO	55F16	P250	158	--	--	99	--	--	--	78	13	--	--	57	99							
DYNA-GRO	55P98	P250	134	--	--	84	--	--	--	78	14	--	--	57	89							
TRIUMPH	5433CBRR		149	--	--	93	--	--	--	78	14	--	--	58	88							
WARNER	W4201BR	P250	171	--	--	107	--	--	--	78	14	--	--	57	93							
STINE	9620YGCB	P250	163	--	--	102	--	--	--	78	15	--	--	56	88							
PIONEER	34H32	C	150	--	--	94	--	--	--	78	16	--	--	60	99							
STINE	9619YGCB	P250	173	--	--	108	--	--	--	78	16	--	--	57	91							
STINE	9720YGCB	P250	167	--	--	104	--	--	--	78	16	--	--	57	95							
CROPLAN GEN.	501Bt	C	162	--	--	101	--	--	--	79	13	--	--	56	99							
DEKALB	DKC54-51YGCB	P250	165	--	--	103	--	--	--	79	13	--	--	58	96							
DYNA-GRO	55F21	P250	153	--	--	95	--	--	--	79	13	--	--	57	87							
MATURITY CHECK	MID-NC+4823B	P250	158	--	--	99	--	--	--	79	16	--	--	56	98							
GARST	8566YG1		156	--	--	98	--	--	--	80	15	--	--	56	103							
PIONEER	34M93	P250	152	--	--	95	--	--	--	80	15	--	--	58	105							
ACCESS	AEXP5417YGCB	P250	178	--	--	111	--	--	--	80	17	--	--	58	101							
MATURITY CHECK	SHORT - G8590		154	30	92	96	87	79	13	81	14	--	--	57	98							
KRUGER	K-9111YGCB	P250	163	--	--	102	--	--	--	82	13	--	--	57	103							
ACCESS	AEXP8414Hx	P250	181	--	--	113	--	--	--	82	16	--	--	56	106							
ST CHK	M798 P250	P250	162	--	--	101	--	--	--	82	18	--	--	58	108							
MATURITY CHECK	FULL - M798		156	20	88	97	59	82	16	84	17	--	--	58	107							
ST CHK	M798 Cruiser	C	162	--	--	101	--	--	--	84	17	--	--	58	109							
AVERAGES			160	34	97	160	34	78	13	79	15	--	--	57	96							
CV (%)			8	12	--	8	12	--	--	1	3	--	--	1	4							
LSD (0.05)**			17	6	--	11	17	--	--	2	1	--	--	1	5							

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

SOUTHEAST KANSAS DRYLAND SHORT-SEASON CORN TEST

Southeast Agricultural Research Center, Parsons; James Long, agronomist; Kelly Kusel, research technician

Parsons silt loam; Soybean in 2003

140 - 70 - 70 lb/a N, P, K

Planted on 4/6/2004; Harvested on 9/1/2004

Target stand of 22,000 plants/acre; 9.5 in. spacing

Very favorable conditions; soil moisture was never limiting.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	16.1	14.1	43	43	175	123
April	4.5	3.7	55	57	274	284
May	3.7	5.0	68	65	591	479
June	5.5	4.8	72	74	654	711
July	3.3	3.6	76	80	755	833
August	2.8	3.8	73	79	695	817
Sept.	0.9	4.7	71	71	632	649
Totals:	36.9	39.6	56	57	3,774	3,894

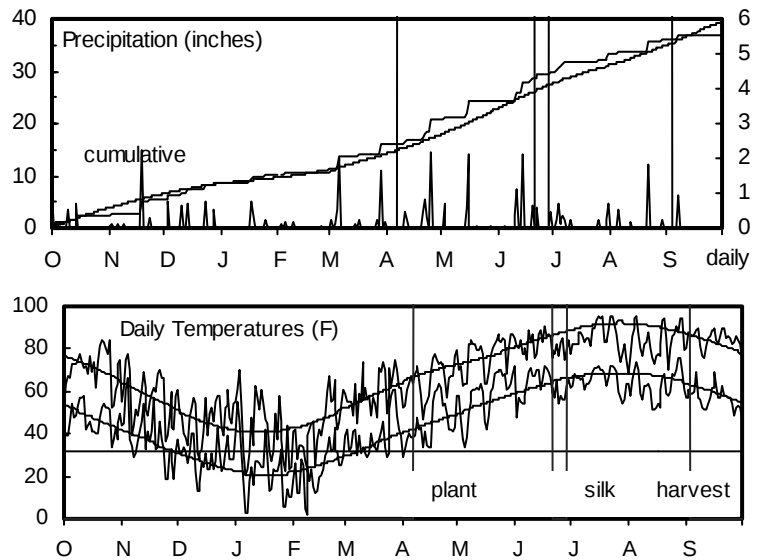


Table 16. Parsons Short-Season Corn Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. AVG.	average									
						2004	2003								
DEKALB	DKC50-20R/YGB	P250	173	--	--	99	--	--	--	74	13	97	1	58	94
CROPLAN GEN.	364Bt	C	152	--	--	87	--	--	--	74	14	91	5	57	98
DEKALB	DKC47-10R/YGB	P250	149	--	--	86	--	--	--	74	14	96	9	58	94
GARST	8888		143	--	--	82	--	--	--	74	14	91	4	57	93
PIONEER	35P15	C	167	--	--	96	--	--	--	74	16	92	1	57	101
CROPLAN GEN.	441Bt	C	153	--	--	88	--	--	--	75	17	92	2	55	100
MYCOGEN	2K541	C	167	--	--	96	--	--	--	76	14	96	0	56	107
CROPLAN GEN.	501Bt	C	174	--	--	100	--	--	--	76	15	102	1	56	105
MYCOGEN	2G626	C	174	74	124	100	111	82	13	76	15	94	1	57	99
WARNER	W4201BR	P250	178	--	--	102	--	--	--	76	16	98	0	57	103
DEKALB	DKC54-51YGCB	P250	189	--	--	109	--	--	--	77	14	98	0	58	108
DYNA-GRO	55F16	P250	175	--	--	101	--	--	--	77	15	92	1	56	108
PIONEER	34H32	C	190	--	--	109	--	--	--	77	15	96	0	59	108
DYNA-GRO	55P98	P250	169	--	--	97	--	--	--	77	16	100	0	55	109
NK	N58-D1		175	92	134	101	136	82	15	77	16	94	0	57	105
MATURITY CHECK	MID-NC+4823B	P250	212	--	--	122	--	--	--	77	17	95	1	56	111
MYCOGEN	2E705	C	213	--	--	123	--	--	--	77	17	94	0	55	110
DYNA-GRO	55F21	P250	164	--	--	94	--	--	--	78	16	97	0	56	107
GARST	8791		159	--	--	91	--	--	--	78	16	95	0	57	103
NK	N65-M7		205	76	140	118	112	84	15	78	16	95	2	56	110
NC+	3601	P250	155	--	--	89	--	--	--	78	17	90	0	54	100
GARST	8545		176	73	124	101	108	84	15	79	16	88	0	56	107
PIONEER	34M93	P250	170	--	--	98	--	--	--	79	16	97	0	57	113
MATURITY CHECK	SHORT - G8590		172	57	114	99	85	84	15	80	16	96	2	56	106
MYCOGEN	2G768	C	194	--	--	112	--	--	--	80	18	97	0	54	115
MATURITY CHECK	FULL - M798		186	38	112	107	56	89	20	82	19	97	1	55	116
	AVERAGES		174	67	121	174	67	83	15	77	16	95	1	56	105
	CV (%)		5	9	--	5	9	--	--	2	2	4	200	1	4
	LSD (0.05)**		12	9	--	7	13	--	--	2	--	6	3	1	6

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
 Current-year yields in bold are in the top LSD group.

SOUTH-CENTRAL KANSAS MINIMUM-TILL, DRYLAND CORN TEST ON SILT LOAM SOIL

Harvey County Experiment Field, Hesston; Mark Claassen, agronomist; Lowell Stucky and Kevin Duerksen, technicians

Smolan silt loam; Wheat in 2003

153 - 37 - 0 lb/a N, P, K

Planted on 4/5/2004; Harvested on 9/10/2004

Target stand of 18,000 plants/acre; 11.6 in. spacing

Above-normal rainfall in June and July and relatively cool temperatures in June, July, and August.

Excellent harvest conditions.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	11.6	8.4	41	41	159	91
April	1.2	2.7	55	56	264	271
May	2.8	4.2	68	65	563	477
June	5.3	4.8	72	75	642	724
July	5.8	3.8	75	81	724	840
August	2.4	3.1	74	80	692	819
Sept.	1.3	3.7	72	71	661	648
Totals:	30.4	30.7	55	56	3,704	3,870

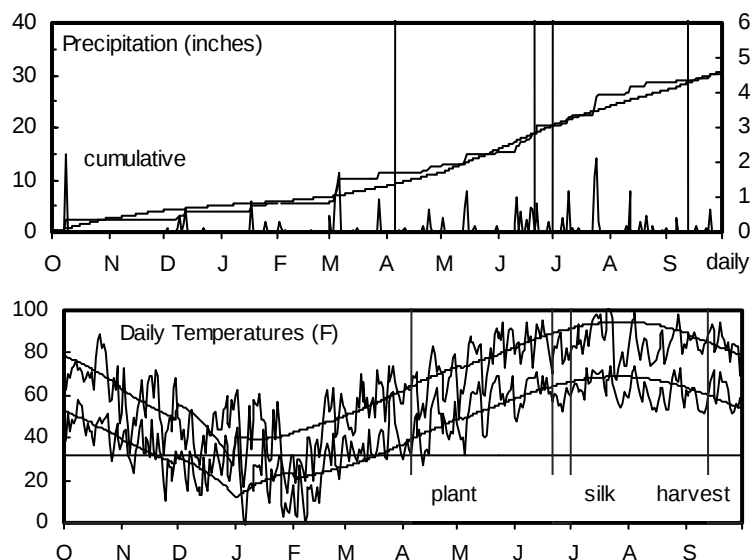


Table 17. Hesston Minimum-Till, Dryland Corn Test, 2003-2004.

Table 2.1. Pioneer Minimum Planting Density Corn Tests, 2004-2009															
BRAND	NAME	Seed treat-ment*	YIELD					2003-2004		2004					
			bushels/acre		% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2-Yr. average			2004 2003									
			2004	2003	AVG.	2004	2003								
DEKALB	DKC50-20R/YGB	P250	131	--	--	86	--	--	--	75	11	100	1	58	82
CROPLAN GEN.	364Bt	C	127	--	--	84	--	--	--	75	12	100	0	56	84
CROPLAN GEN.	441Bt	C	140	--	--	92	--	--	--	76	13	100	0	58	88
PIONEER	35P15	C	144	18	81	95	129	76	12	76	13	100	0	59	88
DEKALB	DKC52-47R/YGB	P250	142	--	--	94	--	--	--	77	12	100	0	57	82
DYNA-GRO	55F16	P250	135	--	--	89	--	--	--	77	12	100	0	56	92
AGSOURCE	4556 CBRR	C	129	--	--	85	--	--	--	78	12	100	0	56	89
CROPLAN GEN.	501Bt	C	133	--	--	88	--	--	--	78	12	100	0	56	90
DYNA-GRO	55P98	P250	135	--	--	88	--	--	--	78	12	100	1	58	84
NK	N58-D1		150	14	82	99	103	77	11	78	12	100	0	59	92
PIONEER	34H32	C	145	--	--	95	--	--	--	78	13	100	0	60	95
TRIUMPH	5433CBRR		131	--	--	86	--	--	--	79	12	100	0	58	84
WARNER	W4201BR	P250	137	--	--	90	--	--	--	79	12	100	0	57	91
AGSOURCE	5883 CB	P250	164	--	--	108	--	--	--	79	13	100	0	58	96
AGSOURCE	6163 CB	C	170	--	--	112	--	--	--	79	13	100	0	57	100
MATURITY CHECK	MID-NC+4823B	P250	174	--	--	114	--	--	--	79	13	100	0	57	98
GARST	8328Bt/IT		136	27	81	89	194	77	12	79	14	100	0	57	87
NK	N70-T9		170	16	93	111	116	79	13	79	15	100	0	56	93
DYNA-GRO	55F21	P250	130	--	--	85	--	--	--	80	12	100	0	58	88
AGSOURCE	5683 CB	C	154	--	--	101	--	--	--	80	13	100	0	58	92
AGSOURCE	6233 CB	C	159	--	--	104	--	--	--	80	13	100	0	60	97
MATURITY CHECK	SHORT - G8590		144	12	78	95	89	79	12	81	13	100	0	57	96
PIONEER	34M93	P250	156	--	--	103	--	--	--	81	13	100	0	59	105

(continued)

Table 17. Hesston Minimum-Till, Dryland Corn Test, 2003-2004 - continued.

Table 21. Webster-Midland 7A1, 7A14YGCB, 7A15Bt, 8225YG1/RR, 7A28Bt, 7A28RRBt																
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004						
			bushels/acre		% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	AVG.	2-Yr. average										
						2004	2003									
AGSOURCE	6273 CB	P250	157	--	--	103	--	--	--	81	14	100	0	58	99	
MIDLAND	7A14YGCB	P250	160	1	81	105	8	81	13	82	14	100	0	58	103	
MIDLAND	7A15Bt		166	--	--	109	--	--	--	82	14	95	0	57	100	
GARST	8225YG1/RR		178	--	--	117	--	--	--	82	15	100	0	56	102	
MIDLAND	7A28Bt		180	--	--	118	--	--	--	83	15	100	0	55	108	
MIDLAND	7A28RRBt		190	--	--	125	--	--	--	83	15	100	0	55	107	
MATURITY CHECK	FULL - M798		177	8	93	116	56	83	14	85	15	99	0	58	110	
ST CHK	M798 P250	P250	175	--	--	115	--	--	--	85	15	100	0	58	111	
	AVERAGES		152	14	83	152	14	79	12	79	13	100	0	57	95	
	CV (%)		6	32	--	6	32	--	--	1	4	1	361	1	3	
	LSD (0.05)**		12	6	--	8	44	--	--	1	1	2	1	1	4	

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 18. SHORT-SEASON Kansas corn hybrid yield summary (% of test average), 2004.

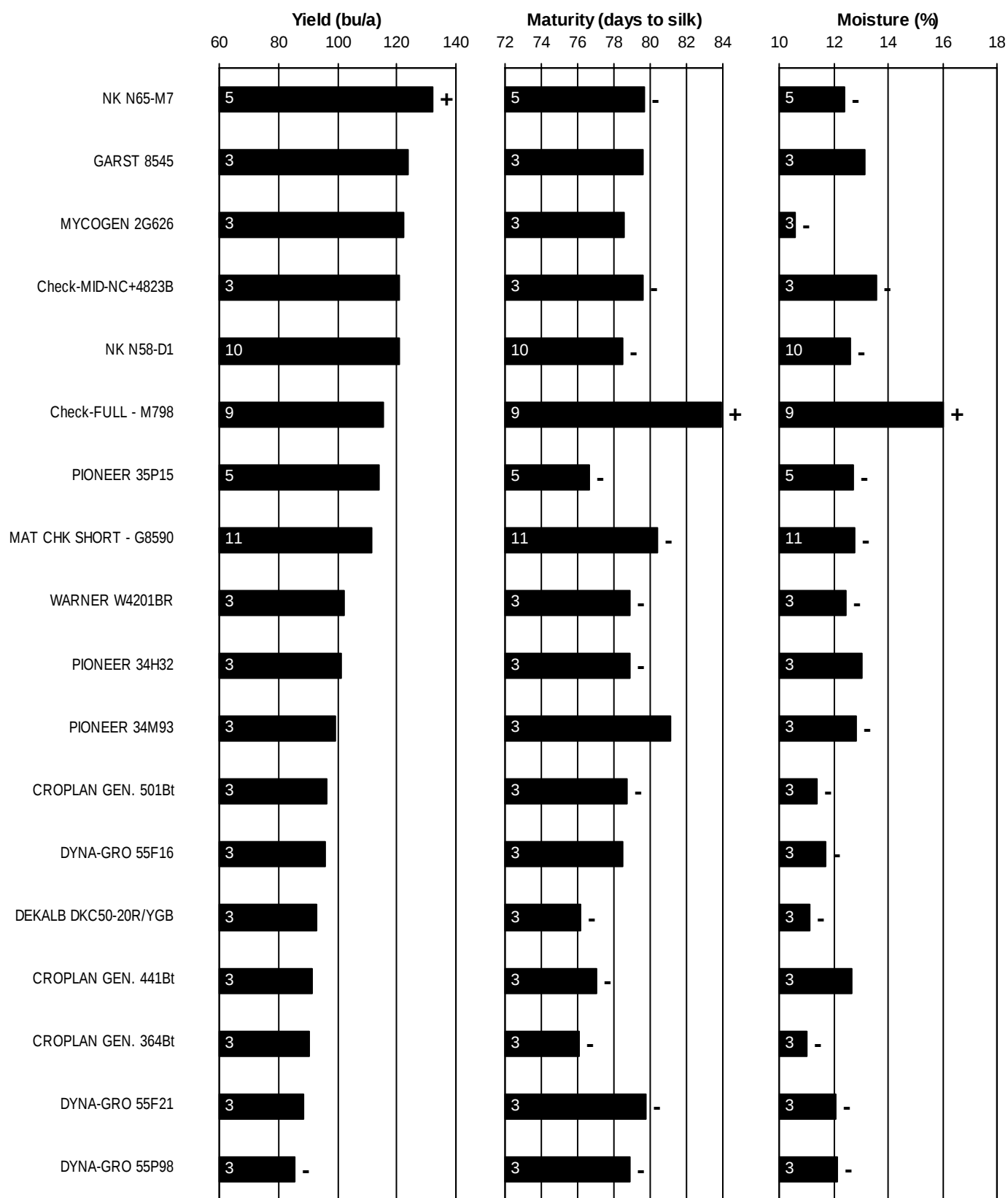
BRAND/NAME	OTT*	PAR	HES	AVG.	BRAND/NAME	OTT	PAR	HES	AVG.
ACCESS					MYCOGEN				
AEXP5417YGCB	111	--	--	--	2E705	--	123	--	--
AEXP8414Hx	113	--	--	--	2G626	--	100	--	--
AGSOURCE					2G768	--	112	--	--
4556 CBRR	--	--	85	--	2K541	--	96	--	--
5683 CB	--	--	101	--	NC+				
5883 CB	--	--	108	--	3601	--	89	--	--
6163 CB	--	--	112	--	NK				
6233 CB	--	--	104	--	N58-D1	--	101	99	--
6273 CB	--	--	103	--	N65-M7	--	118	--	--
CROPLAN GEN.					N70-T9	--	--	111	--
364Bt	108	87	84	93	PIONEER				
441Bt	102	88	92	94	34H32	94	109	95	99
501Bt	101	100	88	96	34M93	95	98	103	99
DEKALB					35P15	97	96	95	96
DKC47-10R/YGB	96	86	--	--	ST CHK				
DKC50-20R/YGB	98	99	86	94	M798 Cruiser	101	--	--	--
DKC52-47R/YGB	--	--	94	--	M798 P250	101	--	115	--
DKC54-51YGCB	103	109	--	--	STINE				
DYNA-GRO					9619YGCB	108	--	--	--
55F16	99	101	89	96	9620YGCB	102	--	--	--
55F21	95	94	85	92	9720YGCB	104	--	--	--
55P98	84	97	88	90	TRIUMPH				
GARST					5433CBRR	93	--	86	--
8225YG1/RR	--	--	117	--	WARNER				
8328Bt/IT	--	--	89	--	W4201BR	107	102	90	100
8545	--	101	--	--	MATURITY CHECK				
8566YG1	98	--	--	--	FULL - M798	97	107	116	107
8791	--	91	--	--	MID-NC+4823B	99	122	114	112
8888	94	82	--	--	SHORT - G8590	96	99	95	97
KRUGER					AVERAGES (bu/a)				
K-9111YGCB	102	--	--	--	CV (%)	8	5	6	--
MIDLAND					LSD (0.05)	11	7	8	--
7A14YGCB	--	--	105	--					
7A15Bt	--	--	109	--					
7A28Bt	--	--	118	--					
7A28RRBt	--	--	125	--					

* OTT = Ottawa, Franklin Co.

PAR = Parsons, Labette Co.

HES = Hesston, Harvey Co.

**Figure 7. Kansas SHORT-SEASON corn hybrid
standardized performance summary, 2000-2004.**



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

SOUTH-CENTRAL KANSAS IRRIGATED CORN TEST ON SILT LOAM SOIL

Private farm near Inman; Kraig Roozeboom, agronomist; Norman Schmidt, cooperater

Crete silt loam; Soybean in 2003

165 - 30 - 0 lb/a N, P, K

Planted on 4/16/2004; Harvested on 9/29/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Excellent growing conditions resulted in excellent yields. Test located on field with sub-surface drip irrigation.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	14.3	8.4	40	41	185	91
April	2.1	2.7	54	56	278	271
May	2.0	4.2	66	65	531	477
June	4.4	4.8	72	75	642	724
July	8.4	3.8	76	81	729	840
August	1.7	3.1	73	80	678	819
Sept.	2.5	3.7	72	71	654	648
Totals:	35.4	30.7	55	56	3,696	3,870

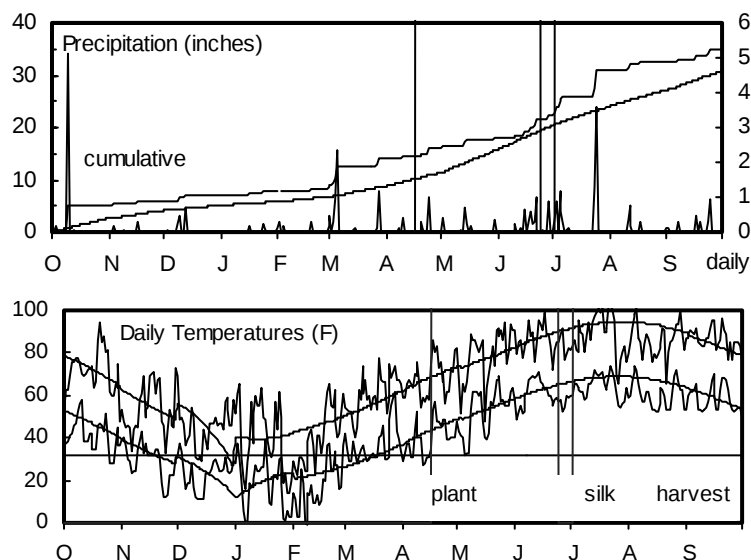


Table 19. Inman Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD						2003-2004		2004					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	2-Yr. AVG.	average										
						2004	2003									
DEKALB	DKC60-19R/YGB	P250	230	221	225	95	99	74	15	68	13	93	--	58	100	
ASGROW	RX752RR/YG	P250	232	--	--	96	--	--	--	69	14	98	--	59	99	
AGSOURCE	5883 CB	P250	243	--	--	100	--	--	--	70	13	94	--	59	108	
CROPLAN GEN.	693Bt/CL	C	235	--	--	97	--	--	--	70	13	97	--	57	113	
CROPLAN GEN.	699Bt/CL	C	231	--	--	95	--	--	--	70	13	89	--	57	105	
MATURITY CHECK	MID-NC+4823B	P250	244	--	--	101	--	--	--	70	13	93	--	58	104	
NK	N70-F1		220	228	224	91	101	75	15	70	13	93	--	57	99	
NK	N70-T9		224	--	--	93	--	--	--	70	14	91	--	58	105	
AGSOURCE	6163 CB	C	242	--	--	100	--	--	--	71	13	94	--	59	109	
AGSOURCE	6883 CB	C	238	--	--	98	--	--	--	71	13	83	--	58	109	
ASGROW	RX702YG	P250	248	--	--	102	--	--	--	71	13	95	--	60	108	
FONTANELLE	HC-7951YGCB	P250	269	--	--	111	--	--	--	71	13	89	--	57	110	
GARST	8376YG1		228	--	--	94	--	--	--	71	13	88	--	57	107	
MIDLAND	7A14YGCB	P250	248	227	238	102	101	77	15	71	13	100	--	58	114	
MIDLAND	7A15Bt		233	--	--	96	--	--	--	71	13	86	--	59	109	
MYCOGEN	2T801	C	252	--	--	104	--	--	--	71	13	99	--	57	109	
WARNER	4602B	P250	260	--	--	107	--	--	--	71	13	88	--	58	107	
AGSOURCE	6273 CB	P250	249	--	--	103	--	--	--	71	14	104	--	58	109	
DYNA-GRO	57P93	P250	237	--	--	98	--	--	--	71	14	92	--	58	108	
PIONEER	33B51	P250	240	--	--	99	--	--	--	71	14	99	--	61	106	
MATURITY CHECK	SHORT - G8590		214	205	209	89	91	77	15	72	13	88	--	59	108	
MIDLAND	7A28Bt		259	230	244	107	102	78	16	72	13	89	--	57	113	
MYCOGEN	2A812	C	222	226	224	91	101	78	15	72	13	88	--	57	112	

(continued)

Table 19. Inman Irrigated Corn Performance Test, 2003-2004 - continued.

Table 2. Corn Hybrid Average Seed Treatment Performance, 2004-2004, Continued															
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	2-Yr. AVG.	average									2004
MYCOGEN	2T780	C	272	--	--	112	--	--	--	72	14	101	--	58	111
NK	N76-H2		235	--	--	97	--	--	--	72	14	97	--	57	106
CROPLAN GEN.	799Bt	C	214	--	--	88	--	--	--	72	15	92	--	59	110
GARST	8292YG1		221	--	--	91	--	--	--	72	15	79	--	60	110
GARST	8383YG1		253	221	237	104	98	77	15	73	13	93	--	59	108
MIDLAND	7A28RRBt		259	--	--	107	--	--	--	73	14	88	--	58	114
CROPLAN GEN.	818RRBT	C	245	238	242	101	106	78	18	73	15	94	--	58	109
FRONTIER	F3250		242	--	--	100	--	--	--	73	15	92	--	59	112
AGSOURCE	7783 CB	C	265	--	--	109	--	--	--	74	13	91	--	56	110
MATURITY CHECK	FULL - M798		242	212	227	100	95	79	17	74	14	92	--	60	113
PIONEER	33R78	C	268	--	--	111	--	--	--	74	14	89	--	58	116
TRIUMPH	1866Bt	P1250	257	217	237	106	97	79	16	74	14	93	--	60	113
FRONTIER	F3175		248	--	--	102	--	--	--	74	15	97	--	59	115
PIONEER	31N28	P250	265	--	--	109	--	--	--	75	15	100	--	61	106
ST CHK	M798 Cruiser	C	245	--	--	101	--	--	--	75	15	90	--	60	116
ST CHK	M798 P250	P250	234	--	--	97	--	--	--	75	15	90	--	60	109
AVERAGES			242	224	233	242	224	77	16	72	14	93	--	58	109
CV (%)			6	6	--	6	6	--	--	1	2	7	--	2	3
LSD (0.05)**			19	19	--	8	8	--	--	1	--	9	--	2	5

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

SOUTH-CENTRAL KANSAS IRRIGATED CORN TEST ON SANDY LOAM SOIL

Private farm near Hutchinson; Evans Seed Farm; Bill Heer, agronomist; John Evans, cooperator

Punkin silt loam; Soybean in 2003

200 - 30 - 0 lb/a N, P, K

Planted on 4/27/2004; Harvested on 9/29/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Spring rains delayed planting and caused some stress during early vegetative growth. Favorable conditions during pollination and grain fill.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	10.7	6.6	41	40	180	100
April	1.3	2.7	54	55	258	270
May	3.3	4.0	67	65	543	457
June	6.8	4.2	72	75	644	711
July	7.4	3.5	76	81	737	832
August	2.2	3.1	72	79	660	805
Sept.	2.3	3.4	72	70	645	625
Totals:	33.8	27.4	55	56	3,665	3,801

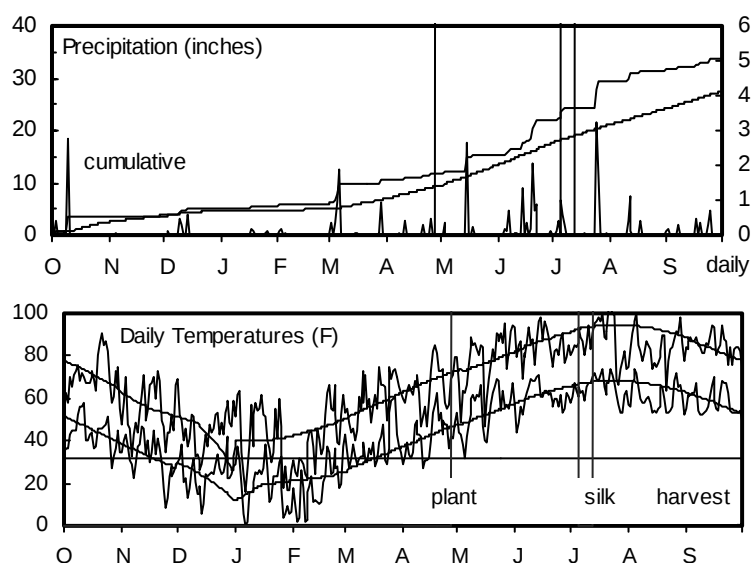


Table 20. Hutchinson Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	2-Yr. average									
						2004	2003	2004	2003	2004	2003				
DEKALB	DKC63-52R/YGB	P250	236	--	--	100	--	--	--	68	16	107	--	58	96
CROPLAN GEN.	693Bt/CL	C	218	--	--	92	--	--	--	69	15	98	--	57	97
MATURITY CHECK	MID-NC+4823B	P250	239	--	--	101	--	--	--	69	16	100	--	58	94
MATURITY CHECK	SHORT - G8590		202	192	197	85	90	74	16	69	16	93	--	59	93
DYNA-GRO	57P93	P250	242	--	--	102	--	--	--	69	17	95	--	58	97
GARST	8376YG1		244	--	--	103	--	--	--	69	17	99	--	58	95
NK	N70-T9		231	--	--	97	--	--	--	69	17	101	--	58	96
ASGROW	RX752RR/YG	P250	240	--	--	101	--	--	--	70	16	107	--	59	92
MIDLAND	7A15Bt		238	--	--	100	--	--	--	70	16	91	--	59	97
MIDLAND	7A28RRBt		226	--	--	95	--	--	--	70	16	96	--	57	101
MYCOGEN	2A812	C	221	204	212	93	95	75	17	70	16	96	--	57	98
TRIUMPH	1536CBRR		239	--	--	101	--	--	--	70	16	103	--	59	97
CROPLAN GEN.	699Bt/CL	C	229	--	--	97	--	--	--	70	17	98	--	58	97
FONTANELLE	HC-7951YGCB	P250	256	--	--	108	--	--	--	70	17	101	--	58	98
GARST	8383YG1		230	--	--	97	--	--	--	70	17	94	--	59	94
MIDLAND	7A28Bt		250	230	240	105	107	76	18	70	17	99	--	57	94
MYCOGEN	2T801	C	263	--	--	111	--	--	--	70	17	100	--	58	100
NK	N70-F1		228	222	225	96	103	75	17	70	17	103	--	59	86
PIONEER	33B51	P250	242	--	--	102	--	--	--	70	17	107	--	60	92
GARST	8292YG1		240	--	--	101	--	--	--	70	18	101	--	59	101
CROPLAN GEN.	818RRBT	C	240	241	241	101	112	76	19	70	19	101	--	58	90
MIDLAND	7A14YGCB	P250	244	218	231	103	102	74	17	71	16	102	--	59	99
WARNER	4602B	P250	249	--	--	105	--	--	--	71	17	95	--	59	97

(continued)

Table 20. Hutchinson Irrigated Corn Performance Test, 2003-2004 - continued.

Table 20: Waterflood Irrigated Corn Performance Test, 2000 to 1997 Continued																	
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004						Test Wt. lb/bu	Ht. in.
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %				
			2004	2003	AVG.	average											
						2004	2003										
CROPLAN GEN.	799Bt	C	232	--	--	98	--	--	--	71	18	103	--	60	102		
FRONTIER	F3175		244	--	--	103	--	--	--	71	18	103	--	60	99		
FRONTIER	F3250		230	--	--	97	--	--	--	71	18	98	--	60	98		
NK	N76-H2		217	--	--	92	--	--	--	71	18	106	--	57	92		
PIONEER	31N28	P250	247	--	--	104	--	--	--	72	17	99	--	61	92		
ST CHK	M798 Cruiser	C	231	--	--	97	--	--	--	72	18	94	--	60	100		
PIONEER	33R78	C	259	--	--	109	--	--	--	73	17	100	--	59	99		
MATURITY CHECK	FULL - M798		241	208	225	102	97	77	18	73	18	102	--	61	102		
ST CHK	M798 P250	P250	225	--	--	95	--	--	--	75	18	97	--	60	101		
	AVERAGES		237	215	226	237	215	75	17	70	17	100	--	59	97		
	CV (%)		5	6	--	5	6	--	--	2	3	5	--	1	4		
	LSD (0.05)**		18	20	--	8	9	--	--	2	1	7	--	1	6		

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

SOUTH-CENTRAL KANSAS IRRIGATED CORN TEST ON SANDY LOAM SOIL

Private farm near St. John; Russell & Son Farms; Victor Martin, agronomist; Rick Russell, cooperator

Naron loamy fine sand; Corn in 2003

225 - 0 - 0 lb/a N, P, K

Planted on 4/27/2004; Harvested on 11/8/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Acceptable stands and good early growth. Little extreme heat stress.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	7.7	7.2	42	42	199	126
April	2.1	2.0	56	56	283	302
May	1.9	3.4	69	66	575	497
June	4.3	3.7	73	76	640	725
July	6.1	2.9	77	79	752	824
August	1.8	2.5	74	78	707	764
Sept.	1.5	2.6	73	69	665	582
Totals:	25.4	24.2	56	56	3,819	3,821

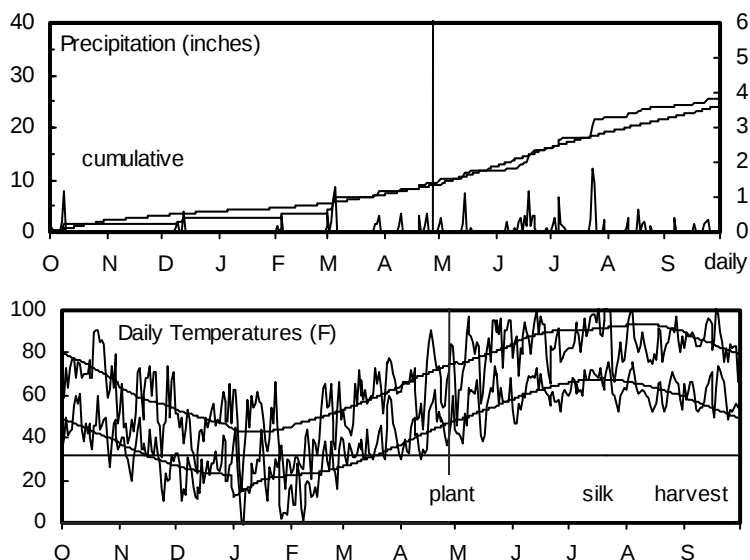


Table 21. St. John Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre		% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	average									
						2004	2003								
CROPLAN GEN.	693Bt/CL	C	234	--	--	106	--	--	--	--	14	--	--	58	--
CROPLAN GEN.	699Bt/CL	C	199	--	--	90	--	--	--	--	14	--	--	58	--
DYNA-GRO	58P59	P250	219	--	--	99	--	--	--	--	14	--	--	57	--
FONTANELLE	7798YGCB/RR	P250	207	--	--	93	--	--	--	--	14	--	--	58	--
FONTANELLE	HC-7931YGCB	P250	220	--	--	99	--	--	--	--	14	--	--	58	--
MATURITY CHECK	MID-NC+4823B	P250	213	--	--	96	--	--	--	--	14	--	--	58	--
MYCOGEN	2A812	C	233	--	--	105	--	--	--	--	14	--	--	57	--
MYCOGEN	2E705	C	220	--	--	99	--	--	--	--	14	--	--	58	--
STINE	9619YGCB	P250	205	--	--	92	--	--	--	--	14	--	--	58	--
TRIUMPH	1416Bt	P1250	233	186	210	105	101	--	14	--	14	--	--	58	--
ASGROW	RX752RR/YG	P250	242	--	--	109	--	--	--	--	15	--	--	60	--
DEKALB	DKC63-52R/YGB	P250	242	--	--	109	--	--	--	--	15	--	--	58	--
DEKALB	DKC63-81R/YGB	P250	225	--	--	102	--	--	--	--	15	--	--	60	--
DYNA-GRO	57P93	P250	234	--	--	106	--	--	--	--	15	--	--	59	--
FONTANELLE	HC-7951YGCB	P250	228	193	210	103	105	--	15	--	15	--	--	59	--
GARST	8376YG1		220	--	--	99	--	--	--	--	15	--	--	58	--
GARST	8377YG1/RR		244	--	--	110	--	--	--	--	15	--	--	59	--
GARST	8383YG1		215	197	206	97	107	--	14	--	15	--	--	59	--
MATURITY CHECK	SHORT - G8590		187	173	180	84	94	--	14	--	15	--	--	59	--
MYCOGEN	2T801	C	234	--	--	106	--	--	--	--	15	--	--	59	--
NC+	5433RB	P250	240	194	217	108	105	--	15	--	15	--	--	59	--
NK	N70-T9		229	209	219	103	114	--	15	--	15	--	--	59	--
NK	N76-H2		212	--	--	96	--	--	--	--	15	--	--	59	--
PIONEER	33B51	P250	236	--	--	107	--	--	--	--	15	--	--	60	--

(continued)

Table 21. St. John Irrigated Corn Performance Test, 2003-2004 - continued.

Table 22. Corn Inbred Plant Performance 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004															
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	2-Yr. average									
						2004	2003								
PIONEER	33R78	C	225	--	--	101	--	--	--	--	15	--	--	58	--
TRIUMPH	1120BtRR	P250	226	--	--	102	--	--	--	--	15	--	--	59	--
TRIUMPH	1536CBRR		233	--	--	105	--	--	--	--	15	--	--	59	--
WARNER	4602B	P250	238	--	--	107	--	--	--	--	15	--	--	58	--
CROPLAN GEN.	799Bt	C	218	--	--	98	--	--	--	--	16	--	--	60	--
CROPLAN GEN.	818RRBT	C	224	185	205	101	101	--	15	--	16	--	--	59	--
FONTANELLE	HC-7987YGCB	P250	231	184	207	104	100	--	15	--	16	--	--	59	--
FRONTIER	F3175		203	--	--	92	--	--	--	--	16	--	--	61	--
GARST	8292YG1		223	--	--	101	--	--	--	--	16	--	--	60	--
MATURITY CHECK	FULL - M798		200	179	190	90	97	--	15	--	16	--	--	60	--
NK	N70-F1		226	182	204	102	99	--	15	--	16	--	--	58	--
PIONEER	31N28	P250	224	--	--	101	--	--	--	--	16	--	--	61	--
ST CHK	M798 Cruiser	C	198	--	--	89	--	--	--	--	16	--	--	61	--
ST CHK	M798 P250	P250	197	--	--	89	--	--	--	--	16	--	--	60	--
FRONTIER	F3250		207	--	--	94	--	--	--	--	17	--	--	61	--
	AVERAGES		222	184	203	222	184	--	15	--	15	--	--	59	--
	CV (%)		5	10	--	5	10	--	--	--	2	--	--	1	--
	LSD (0.05)**		16	25	--	7	14	--	--	--	--	--	--	1	--

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

**Table 22. CENTRAL IRRIGATED corn hybrid yield summary
(% of test average), 2004.**

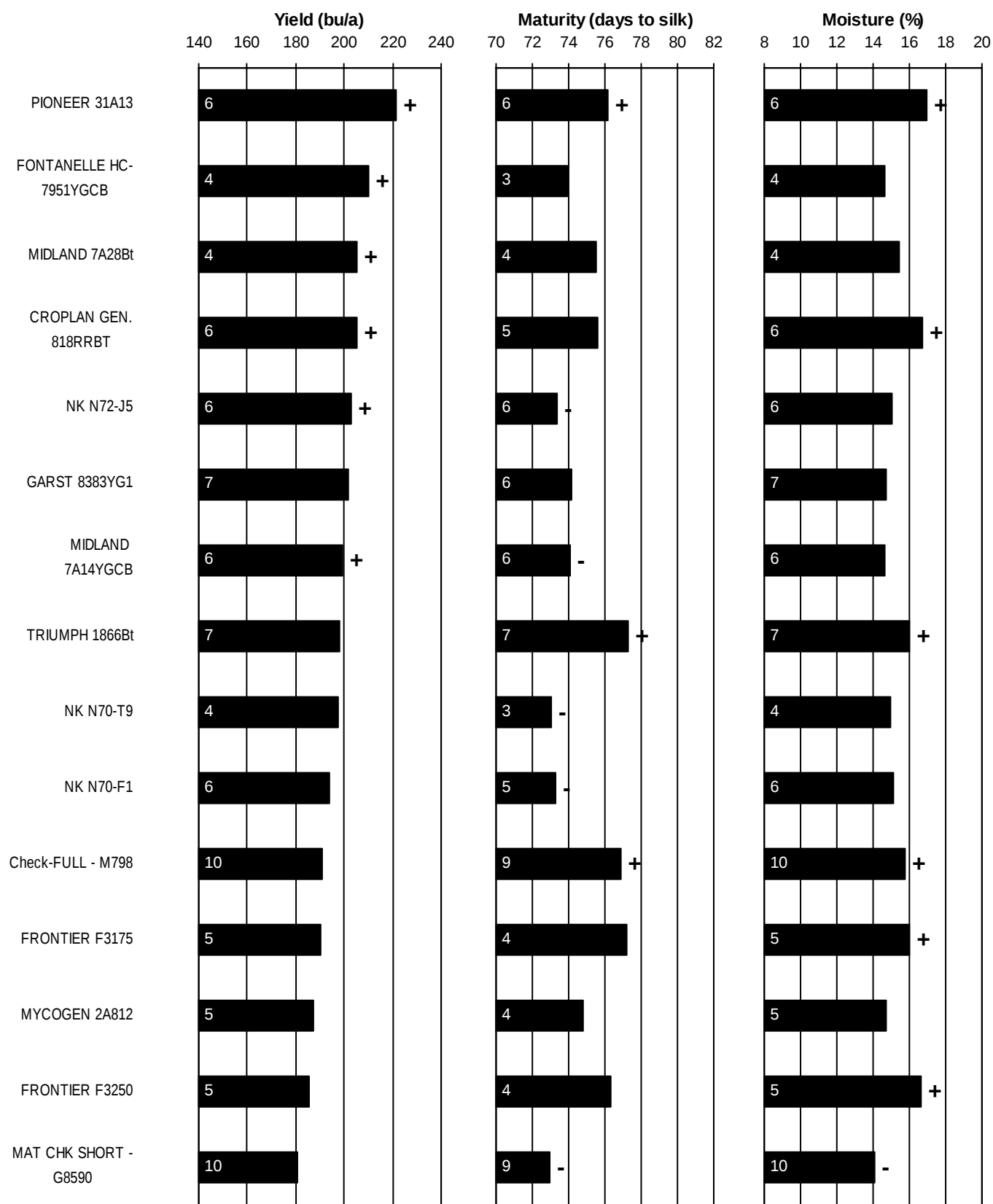
BRAND/NAME	INM*	HUT	STJ	AVG.	BRAND/NAME	INM	HUT	STJ	AVG.
AGSOURCE					MYCOGEN				
5883 CB	100	--	--	--	2A812	91	93	105	97
6163 CB	100	--	--	--	2E705	--	--	99	--
6273 CB	103	--	--	--	2T780	112	--	--	--
6883 CB	98	--	--	--	2T801	104	111	106	107
7783 CB	109	--	--	--	NC+				
ASGROW					5433RB	--	--	108	--
RX702YG	102	--	--	--	NK				
RX752RR/YG	96	101	109	102	N70-F1	91	96	102	96
CROPLAN GEN.					N70-T9	93	97	103	98
693Bt/CL	97	92	106	98	N76-H2	97	92	96	95
699Bt/CL	95	97	90	94	PIONEER				
799Bt	88	98	98	95	31N28	109	104	101	105
818RRBT	101	101	101	101	33B51	99	102	107	103
DEKALB					33R78	111	109	101	107
DKC60-19R/YGB	95	--	--	--	ST CHK				
DKC63-52R/YGB	--	100	109	--	M798 Cruiser	101	97	89	96
DKC63-81R/YGB	--	--	102	--	M798 P250	97	95	89	94
DYNA-GRO					STINE				
57P93	98	102	106	102	9619YGCB	--	--	92	--
58P59	--	--	99	--	TRIUMPH				
FONTANELLE					1120BtRR	--	--	102	--
7798YGCB/RR	--	--	93	--	1416Bt	--	--	105	--
HC-7931YGCB	--	--	99	--	1536CBRR	--	101	105	--
HC-7951YGCB	111	108	103	107	1866Bt	106	--	--	--
HC-7987YGCB	--	--	104	--	WARNER				
FRONTIER					4602B	107	105	107	107
F3175	102	103	92	99	MATURITY CHECK				
F3250	100	97	94	97	FULL - M798	100	102	90	97
GARST					MID-NC+4823B	101	101	96	99
8292YG1	91	101	101	98	SHORT - G8590	89	85	84	86
8376YG1	94	103	99	99	AVERAGES (bu/a)				
8377YG1/RR	--	--	110	--	CV (%)	6	5	5	--
8383YG1	104	97	97	99	LSD (0.05)	8	8	7	--
MIDLAND									
7A14YGCB	102	103	--	--					
7A15Bt	96	100	--	--					
7A28Bt	107	105	--	--					
7A28RRBt	107	95	--	--					

* INM = Inman, McPherson Co.

HUT = Hutchinson, Reno Co.

STJ = St. John, Stafford Co.

**Figure 8. CENTRAL Kansas IRRIGATED corn hybrid
standardized performance summary, 2000-2004.**



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

NORTHWEST KANSAS NO-TILL, DRYLAND CORN TEST

Agricultural Research Center - Hays; Ken Kofoed, agronomist

Harney clay loam; Soybean in 2003

65 - 0 - 0 lb/a N, P, K

Planted on 4/19/2004; Harvested on 10/22/2004

Target stand of 17,000 plants/acre; 12.3 in. spacing

Favorable precipitation in June and July and relatively cool temperatures in July and August.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	4.0	4.9	39	36	208	40
April	1.3	1.8	54	50	278	205
May	1.8	3.1	66	61	519	381
June	4.3	3.8	72	71	606	635
July	7.5	3.4	75	78	710	783
August	1.8	2.8	74	76	689	760
Sept.	2.0	2.3	72	68	641	553
Totals:	22.5	22.0	54	52	3,651	3,356

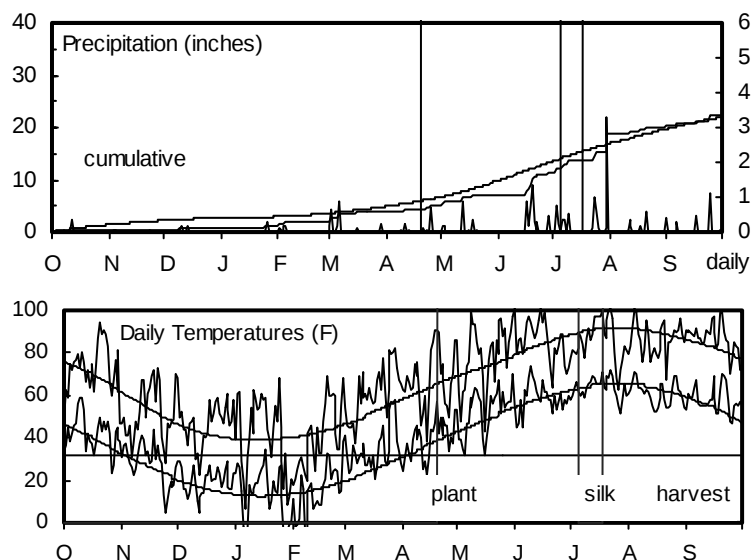


Table 23. Hays Dryland Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	2-Yr. average									
						2004	2003								
DEKALB	DKC50-20R/YGB	P250	103	--	--	112	--	--	--	76	14	100	0	55	81
DEKALB	DKC52-47R/YGB	P250	93	--	--	102	--	--	--	79	13	85	0	54	79
PIONEER	34H32	C	104	--	--	114	--	--	--	79	13	107	0	52	90
FONTANELLE	7R418	P250	84	--	--	92	--	--	--	81	14	72	1	57	80
PIONEER	33B55	C	100	--	--	109	--	--	--	81	17	95	0	56	88
PIONEER	34M93	P250	90	--	--	98	--	--	--	82	14	83	0	55	95
TRIUMPH	1120BtRR	P250	74	3	38	81	32	83	--	82	14	77	0	54	97
MATURITY CHECK	MID-NC+4823B	P250	108	--	--	118	--	--	--	82	15	104	0	55	92
MATURITY CHECK	SHORT - G8590		90	7	48	99	80	81	--	82	15	92	0	58	87
WARNER	4602B	P250	106	--	--	116	--	--	--	82	17	94	0	54	98
TRIUMPH	2011RR	P1250	65	--	--	71	--	--	--	84	16	83	0	59	102
ST CHK	M798 Cruiser	C	79	--	--	86	--	--	--	86	22	105	0	55	103
ST CHK	M798 P250	P250	102	--	--	112	--	--	--	87	17	113	1	54	103
MATURITY CHECK	FULL - M798		85	1	43	92	18	88	--	88	18	107	0	56	98
	AVERAGES		92	8	50	92	8	82	--	82	16	94	0	55	92
	CV (%)		12	47	--	12	47	--	--	1	5	17	449	4	4
	LSD (0.05)**		19	5	--	21	67	--	--	1	1	26	1	4	7

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other. Current-year yields in bold are in the top LSD group.

NORTHWEST KANSAS NO-TILL, DRYLAND CORN TEST

Northwest Research-Extension Center, Colby; Patrick Evans, agronomist

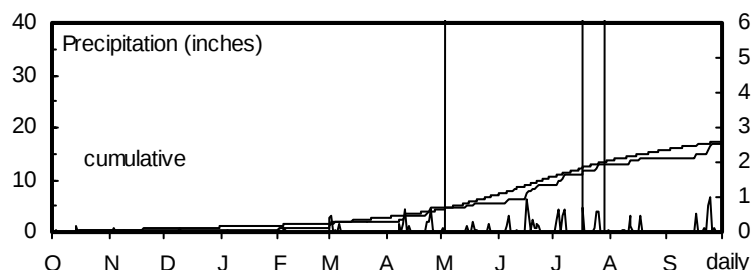
Keith silt loam; Wheat in 2003

150 - 20 - 0 lb/a N, P, K

Planted on 5/3/2004; Harvested on 9/29/2004

Target stand of 19,000 plants/acre; 11.0 in. spacing

Favorable conditions with above-normal precipitation in May, June, and July gave way to dry conditions in August and September. Little subsoil moisture was available to finish the season.



Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	2.0	2.8	39	36	200	19
April	2.6	1.4	51	49	269	187
May	1.1	2.9	63	59	444	351
June	3.2	3.4	68	70	524	591
July	4.1	3.1	73	76	658	748
August	1.2	2.1	71	74	608	714
Sept.	2.6	1.7	68	66	546	495
Totals:	16.8	17.4	52	51	3,248	3,105

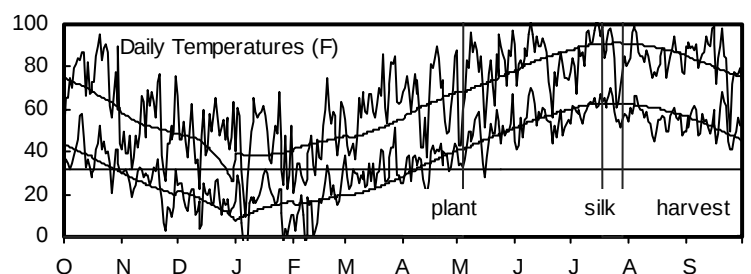


Table 24. Colby Dryland Corn Performance Test, 2001-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2001-2004		2004					
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2001	AVG.	average									
						2004									2003
DEKALB	DKC50-20R/YGB	P250	86	--	--	134	--	--	--	74	11	104	3	55	--
FONTANELLE	7R418	P250	75	--	--	117	--	--	--	75	16	92	1	53	--
DEKALB	DKC52-47R/YGB	P250	82	--	--	127	--	--	--	76	12	97	2	54	--
PIONEER	34H32	C	80	--	--	125	--	--	--	76	16	108	3	55	--
DYNA-GRO	57F29	P250	64	--	--	100	--	--	--	78	16	103	30	54	--
PIONEER	33B55	C	81	--	--	127	--	--	--	78	16	95	8	54	--
MATURITY CHECK	MID-NC+4823B	P250	56	--	--	87	--	--	--	78	17	95	5	54	--
MATURITY CHECK	SHORT - G8590		67	68	68	105	103	80	16	78	17	99	0	54	--
DYNA-GRO	57P69	P250	64	--	--	99	--	--	--	79	15	99	6	54	--
PIONEER	34M93	P250	75	--	--	117	--	--	--	79	16	99	5	53	--
WARNER	4602B	P250	57	--	--	89	--	--	--	79	20	103	0	53	--
DYNA-GRO	57F87	P250	59	--	--	92	--	--	--	82	19	115	20	51	--
TRIUMPH	1120BtRR	P250	47	55	51	73	82	83	19	82	24	85	0	50	--
ST CHK	M798 P250	P250	46	--	--	72	--	--	--	83	25	101	7	48	--
ST CHK	M798 Cruiser	C	46	--	--	72	--	--	--	85	25	92	16	49	--
MATURITY CHECK	FULL - M798		39	68	53	61	102	87	25	85	28	103	11	48	--
	AVERAGES		64	67	65	64	67	81	16	79	18	99	7	52	--
	CV (%)		16	13	--	16	13	--	--	2	14	9	109	2	--
	LSD (0.05)**		15	18	--	23	27	--	--	2	4	13	11	2	--

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 25. WEST Kansas DRYLAND corn hybrid yield summary (% of test average), 2004.

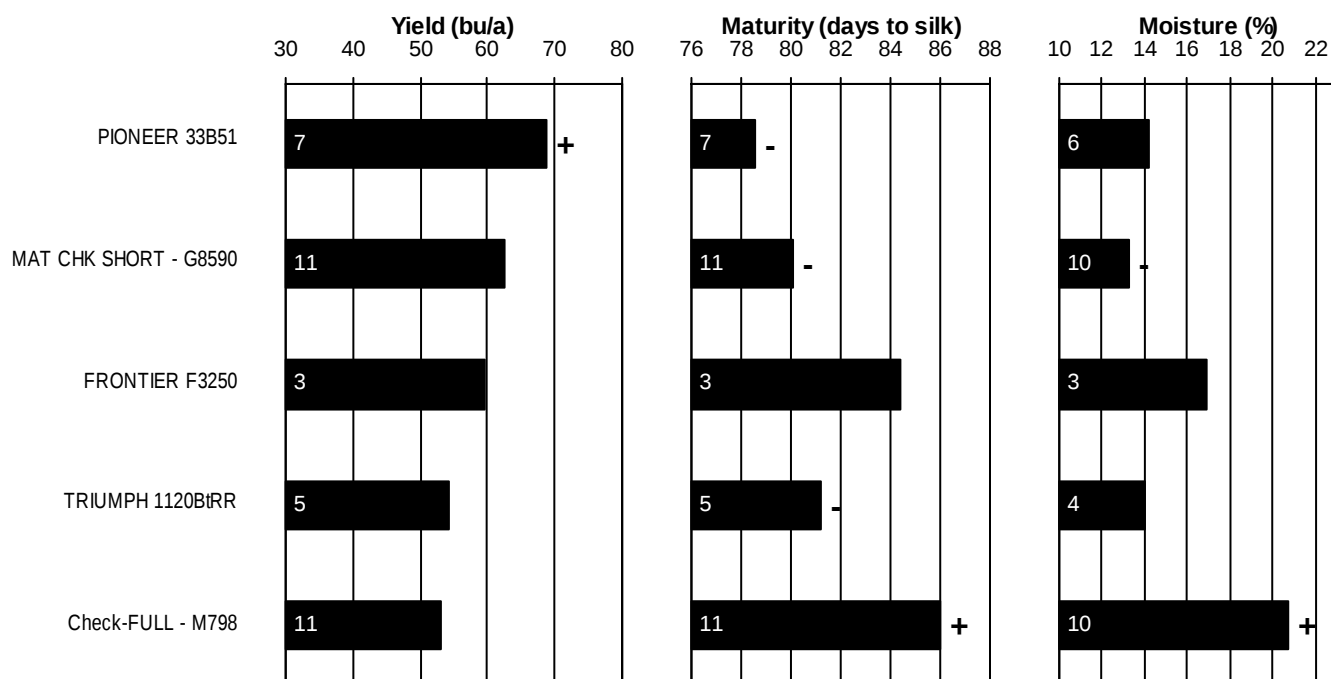
BRAND/NAME	HAY*	COL	TRIB	AVG.	BRAND/NAME	HAY	COL	TRIB	AVG.
DEKALB					TRIUMPH				
DKC50-20R/YGB	112	134	--	123	1120BtRR	81	73	--	77
DKC52-47R/YGB	102	127	--	115	2011RR	71	--	--	--
DYNA-GRO					WARNER				
57F29	--	100	--	--	4602B	116	89	--	102
57F87	--	92	--	--	MATURITY CHECK				
57P69	--	99	--	--	FULL - M798	92	61	--	77
FONTANELLE					MID-NC+4823B	118	87	--	103
7R418	92	117	--	105	SHORT - G8590	99	105	--	102
PIONEER					AVERAGES (bu/a)	92	64	--	78
33B55	109	127	--	118	CV (%)	12	16	--	--
34H32	114	125	--	119	LSD (0.05)	21	23	--	--
34M93	98	117	--	107					
ST CHK									
M798 Cruiser	86	72	--	79					
M798 P250	112	72	--	92					

* HAY = Hays, Ellis Co.

COL = Colby, Thomas Co.

TRIB = Tribune, Greeley Co.

FIGURE 9. WEST Kansas DRYLAND corn hybrid standardized performance summary, 2000-2004.



Values within bars indicate the number of comparisons with checks.
Symbols (+, -) indicate if statistically higher or lower than mean of checks.

NORTHWEST KANSAS IRRIGATED CORN TEST ON SILT LOAM SOIL

Northwest Research-Extension Center, Colby; Patrick Evans, agronomist

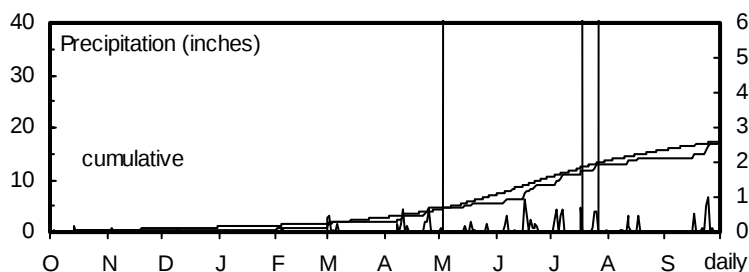
Keith silt loam; Sunflower in 2003

250 - 40 - 0 lb/a N, P, K

Planted on 5/3/2004; Harvested on 10/29/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Good stands, but cool, wet conditions in May delayed early growth. Relatively cool temperatures in spring and summer provided excellent growing conditions but delayed maturity.



Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	2.0	2.8	39	36	200	19
April	2.6	1.4	51	49	269	187
May	1.1	2.9	63	59	444	351
June	3.2	3.4	68	70	524	591
July	4.1	3.1	73	76	658	748
August	1.2	2.1	71	74	608	714
Sept.	2.6	1.7	68	66	546	495
Totals:	16.8	17.4	52	51	3,248	3,105

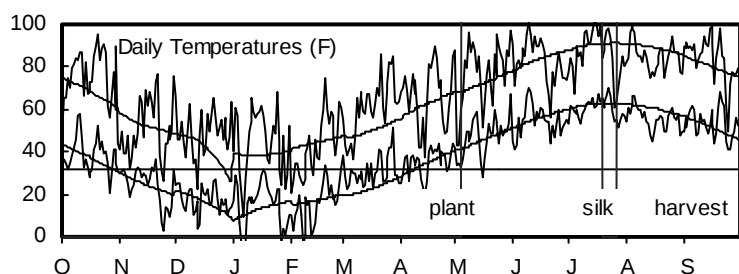


Table 26. Colby Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004						
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.	
			2004	2003	AVG.	2-Yr. average										
						2004	2003									
CROPLAN GEN.	501Bt	C	237	--	--	87	--	--	--	74	16	120	1	58	103	
DEKALB	DKC60-19R/YGB	P250	242	234	238	89	97	75	19	74	19	119	0	58	95	
ASGROW	RX752RR/YG	P250	258	--	--	95	--	--	--	75	19	119	0	57	99	
LG SEEDS	LG2540BT/RR	P250	258	--	--	95	--	--	--	76	18	123	0	56	99	
MATURITY CHECK	SHORT - G8590		238	232	235	87	96	76	18	76	18	116	0	58	100	
AGSOURCE	5883 CB	P250	271	--	--	100	--	--	--	76	19	115	0	55	102	
DEKALB	DKC63-52R/YGB	P250	268	--	--	99	--	--	--	76	19	117	3	56	107	
MATURITY CHECK	MID-NC+4823B	P250	275	--	--	101	--	--	--	76	19	121	0	55	103	
MYCOGEN	2E705	C	270	--	--	100	--	--	--	76	19	118	1	55	107	
AGSOURCE	6883 CB	C	288	244	266	106	101	77	20	76	20	116	0	54	102	
FONTANELLE	HC-7971YGCB	P250	269	--	--	99	--	--	--	76	20	114	1	55	101	
NK	N70-F1		254	225	240	94	93	77	20	76	20	115	0	54	92	
RENZE	8454YGCB	P250	288	265	277	106	110	77	22	76	20	120	0	54	103	
PRODUCERS	7373RRBT	C	288	--	--	106	--	--	--	76	21	119	1	54	102	
FONTANELLE	7798YGCB/RR	P250	252	--	--	93	--	--	--	77	18	113	1	57	103	
AGSOURCE	6163 CB	C	272	210	241	100	87	77	19	77	19	118	0	55	104	
CROPLAN GEN.	693Bt/CL	C	270	--	--	100	--	--	--	77	19	117	0	56	106	
MYCOGEN	2P682	C	273	--	--	101	--	--	--	77	19	117	1	56	102	
CROPLAN GEN.	705RR	C	234	--	--	86	--	--	--	77	20	114	0	57	103	
FONTANELLE	HC-7951YGCB	P250	292	268	280	107	111	77	21	77	20	118	0	53	103	
LG SEEDS	LG2619BT	P250	304	267	286	112	111	77	21	77	20	118	1	54	102	
NK	N70-T9		265	252	258	97	104	77	21	77	20	116	0	55	99	

(continued)

Table 26. Colby Irrigated Corn Performance Test, 2003-2004 - continued.

Table 201-2014, Agrigard Corn Performance Test, 2004-2004, Cornland																
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004						Test Wt. lb/bu	Ht. in.
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %				
			2004	2003	2-Yr. AVG.	average 2004 2003										
OTILIE	5295LL		278	--	--	102	--	--	--	77	20	122	0	56	101	
PIONEER	33B55	C	259	--	--	95	--	--	--	77	20	113	0	57	101	
PIONEER	34N42	P250	255	--	--	94	--	--	--	77	20	114	0	58	102	
PREMIUM	P270		272	--	--	100	--	--	--	77	20	113	0	58	102	
PRODUCERS	7284BT	C	279	--	--	103	--	--	--	77	20	118	0	54	104	
RENZE	6424	P250	279	263	271	103	109	78	21	77	20	122	1	54	102	
WARNER	4602B	P250	298	--	--	110	--	--	--	77	20	115	1	53	104	
RENZE	5425HX1	P250	276	--	--	102	--	--	--	78	18	117	1	55	104	
RENZE	8354YGCB	P250	234	--	--	86	--	--	--	78	18	116	6	60	100	
AGSOURCE	6273 CB	P250	263	--	--	97	--	--	--	78	19	115	2	56	103	
NK	N72-J5		291	237	264	107	98	78	21	78	19	117	1	54	105	
TRIUMPH	1120BtRR	P250	238	256	247	88	106	78	19	78	19	108	1	55	105	
GARST	8288		272	268	270	100	111	79	21	78	20	116	3	56	109	
MYCOGEN	2T780	C	294	--	--	108	--	--	--	78	20	117	1	54	108	
OTILIE	5337CLYGCB		258	--	--	95	--	--	--	78	20	118	0	53	106	
OTILIE	5436YGCB		291	277	284	107	115	78	21	78	20	112	0	53	105	
GARST	8377YG1/RR		302	--	--	111	--	--	--	78	21	119	0	53	104	
RENZE	8394YGCB	P250	295	--	--	109	--	--	--	78	21	117	0	53	103	
TRIUMPH	1536CBRR		294	--	--	108	--	--	--	78	21	118	0	53	105	
CROPLAN GEN.	694Bt	C	263	--	--	97	--	--	--	79	19	110	0	54	106	
OTILIE	5334YGCB		298	235	266	110	97	79	21	79	20	118	0	54	108	
PIONEER	33M54	P250	275	--	--	101	--	--	--	79	20	119	1	59	107	
RENZE	5455HX1	P250	272	--	--	100	--	--	--	79	20	114	1	55	105	
GARST	8383YG1		253	261	257	93	108	79	21	79	21	113	1	55	106	
RENZE	9384YGCB/RR	P250	291	256	274	107	106	79	21	79	21	120	0	55	106	
FONTANELLE	HC-7987YGCB	P250	292	233	262	107	96	79	23	79	22	116	2	53	106	
AGSOURCE	7783 CB	C	304	244	274	112	101	80	22	80	20	117	0	51	106	
OTILIE	5476YGCB		282	--	--	104	--	--	--	80	21	115	5	53	108	
FRONTIER	F3250		280	--	--	103	--	--	--	81	20	116	1	57	112	
ST CHK	M798 Cruiser	C	257	--	--	95	--	--	--	81	20	113	12	56	112	
MATURITY CHECK	FULL - M798		271	212	242	100	88	82	21	82	20	112	9	56	111	
ST CHK	M798 P250	P250	240	--	--	88	--	--	--	82	20	115	20	56	112	
FRONTIER	F3175		264	--	--	97	--	--	--	83	21	120	6	56	113	
AVERAGES			272	242	257	272	242	78	21	78	20	117	2	55	104	
CV (%)			6	7	--	6	7	--	--	1	2	4	212	1	2	
LSD (0.05)**			22	24	--	8	10	--	--	1	1	6	5	1	3	

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

WEST-CENTRAL KANSAS IRRIGATED CORN TEST ON SILT LOAM SOIL

Southwest Research-Extension Center, Tribune; Alan Schlegel, agronomist

Ulysses silt loam; Sorghum in 2003

240 - 17 - 0 lb/a N, P, K

Planted on 5/5/2004; Harvested on 10/15/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

A dry May was followed by storms in June and July.
Some hybrids lost plants to green snap on July 17.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	2.1	2.7	40	37	212	73
April	4.2	1.3	52	49	276	222
May	0.1	2.3	64	59	460	381
June	4.9	2.5	69	70	525	581
July	3.6	2.6	72	76	629	720
August	3.0	2.3	70	74	591	697
Sept.	2.2	1.3	68	66	526	504
Totals:	20.0	15.0	53	52	3,217	3,177

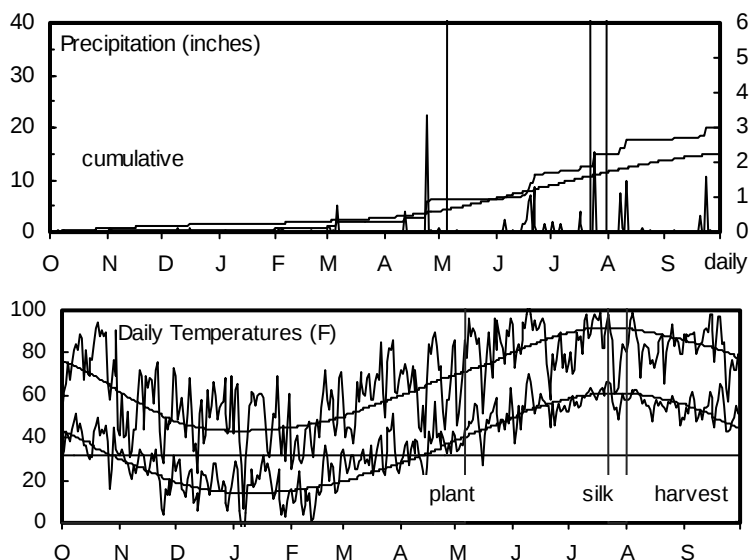


Table 27. Tribune Irrigated Corn Performance Test, 2003-2004.

YIELD																
BRAND	NAME	Seed treat-ment*	bushels/acre				% of test		2003-2004		2004					
			2-Yr.		average	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.			
			2004	2003										2004	2003	
DEKALB	DKC63-52R/YGB	P250	225	--	--	96	--	--	--	77	32	107	10	51	110	
FONTANELLE	7798YGCB/RR	P250	239	--	--	102	--	--	--	78	28	99	7	51	112	
PIONEER	33B55	C	234	--	--	100	--	--	--	78	29	107	0	52	105	
PIONEER	34N42	P250	234	--	--	100	--	--	--	78	29	110	1	53	105	
AGSOURCE	6163 CB	C	244	--	--	104	--	--	--	78	30	110	3	49	110	
DEKALB	DKC60-19R/YGB	P250	254	--	--	108	--	--	--	78	30	107	0	51	102	
PRODUCERS	7001BT	C	248	--	--	106	--	--	--	78	30	108	6	50	106	
AGSOURCE	5883 CB	P250	252	--	--	108	--	--	--	78	31	115	5	50	108	
FONTANELLE	HC-7971YGCB	P250	270	--	--	115	--	--	--	78	31	110	3	51	108	
LG SEEDS	LG2540BT/RR	P250	262	--	--	112	--	--	--	78	31	108	1	50	103	
MATURITY CHECK	MID-NC+4823B	P250	215	--	--	92	--	--	--	78	31	115	5	50	110	
ASGROW	RX752RR/YG	P250	260	--	--	111	--	--	--	78	32	115	2	50	106	
FONTANELLE	HC-7951YGCB	P250	271	--	--	116	--	--	--	78	32	107	3	50	109	
RENZE	5385HX1	P250	248	--	--	106	--	--	--	78	32	108	7	50	110	
RENZE	6386	P250	253	221	237	108	103	80	28	78	32	116	8	51	101	
AGSOURCE	6883 CB	C	268	--	--	114	--	--	--	78	33	112	5	50	109	
NK	N70-T9		242	225	233	103	105	80	30	78	33	115	6	49	108	
RENZE	8454YGCB	P250	272	237	255	116	111	80	32	78	33	104	2	50	109	
WARNER	4602B	P250	283	--	--	121	--	--	--	78	33	107	3	51	108	
MYCOGEN	2T801	C	254	--	--	108	--	--	--	78	34	114	8	50	108	
RENZE	8394YGCB	P250	241	--	--	103	--	--	--	78	34	117	4	50	108	
MATURITY CHECK	SHORT - G8590		214	179	197	91	84	80	25	79	28	110	2	51	105	
AGSOURCE	6273 CB	P250	231	--	--	99	--	--	--	79	31	103	5	51	107	
MYCOGEN	2E705	C	220	--	--	94	--	--	--	79	31	115	4	49	109	

(continued)

Table 27. Tribune Irrigated Corn Performance Test, 2003-2004 - continued.

Table 1.1. Yields and Moisture Content of Corn Hybrids, 2003-2004, 2004-2005															
BRAND	NAME	Seed treat- ment*	YIELD				2003-2004		2004						
			bushels/acre		2-Yr. average	% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003		2004	2003								
CROPLAN GEN.	631CRW/RR		239	--	--	102	--	--	--	79	32	100	4	49	107
LG SEEDS	LG2633BT	P250	252	--	--	108	--	--	--	79	32	102	2	50	106
RENZE	8383YGCB	P250	255	234	245	109	109	81	30	79	32	109	6	50	113
LG SEEDS	LG2619BT/RR	P250	275	--	--	117	--	--	--	79	33	117	4	51	109
PRODUCERS	7284BT	C	261	--	--	112	--	--	--	79	33	105	14	49	107
TRIUMPH	1536CBRR		267	--	--	114	--	--	--	79	33	115	5	50	113
CROPLAN GEN.	705RR	C	228	--	--	98	--	--	--	80	31	99	2	52	107
TRIUMPH	1120BtRR	P250	224	215	220	96	100	81	28	80	31	99	1	49	107
RENZE	5425HX1	P250	227	--	--	97	--	--	--	80	32	110	5	50	109
CROPLAN GEN.	694Bt	C	164	--	--	70	--	--	--	80	33	106	0	50	110
NK	N70-F1		239	216	228	102	101	81	31	80	33	116	3	50	102
NK	N72-J5		235	212	223	100	99	82	30	80	33	108	4	49	110
RENZE	5345HX1	P250	200	--	--	86	--	--	--	81	30	113	3	50	100
RENZE	8354YGCB	P250	244	--	--	104	--	--	--	81	30	107	10	53	102
RENZE	5455HX1	P250	234	--	--	100	--	--	--	81	31	105	0	50	108
TRIUMPH	1416Bt	P1250	236	224	230	101	105	81	29	81	32	105	3	49	109
PIONEER	33M54	P250	220	--	--	94	--	--	--	82	31	113	7	53	105
CROPLAN GEN.	731Hx	C	244	--	--	104	--	--	--	82	33	114	12	50	111
RENZE	9384YGCB/RR	P250	239	224	232	102	105	83	31	82	33	112	5	51	111
FONTANELLE	HC-7987YGCB	P250	221	222	222	94	104	83	34	83	34	113	12	49	107
FRONTIER	F3250		214	--	--	91	--	--	--	84	32	110	20	51	110
MATURITY CHECK	FULL - M798		158	200	179	67	93	85	31	84	32	107	9	52	109
FRONTIER	F3175		138	--	--	59	--	--	--	84	34	108	13	51	108
ST CHK	M798 P250	P250	142	--	--	61	--	--	--	85	33	111	5	51	111
GARST	8225YG1/RR		235	--	--	100	--	--	--	85	35	106	4	49	107
ST CHK	M798 Cruiser	C	177	--	--	75	--	--	--	86	33	104	18	51	116
	AVERAGES		234	214	224	234	214	81	30	80	32	109	5	50	108
	CV (%)		9	7	--	9	7	--	--	2	4	6	97	2	4
	LSD (0.05)**		30	22	--	13	10	--	--	2	2	9	7	1	6

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

SOUTHWEST KANSAS IRRIGATED CORN TEST ON SILT LOAM SOIL

Southwest Research-Extension Center, Garden City; Merle Witt, agronomist

Keith silt loam; Soybean in 2003

180 - 0 - 0 lb/a N, P, K

Planted on 4/29/2004; Harvested on 10/26/2004

Target stand of 30,000 plants/acre; 7.0 in. spacing

Excellent seedbed and planting conditions. Rainfall was above average, and temperatures avoided extreme highs typical of most summers.

Month	Precipitation		Average Temp.		GDU	
	2004	Norm.	2004	Norm.	2004	Norm.
Oct.-Mar.	2.6	3.8	41	37	232	56
April	2.5	1.6	53	50	280	214
May	0.6	2.9	66	61	514	388
June	5.5	3.0	71	72	579	635
July	3.2	2.5	75	78	688	768
August	4.3	2.2	72	75	631	746
Sept.	4.2	1.7	70	67	576	544
Totals:	22.8	17.7	55	52	3,498	3,350

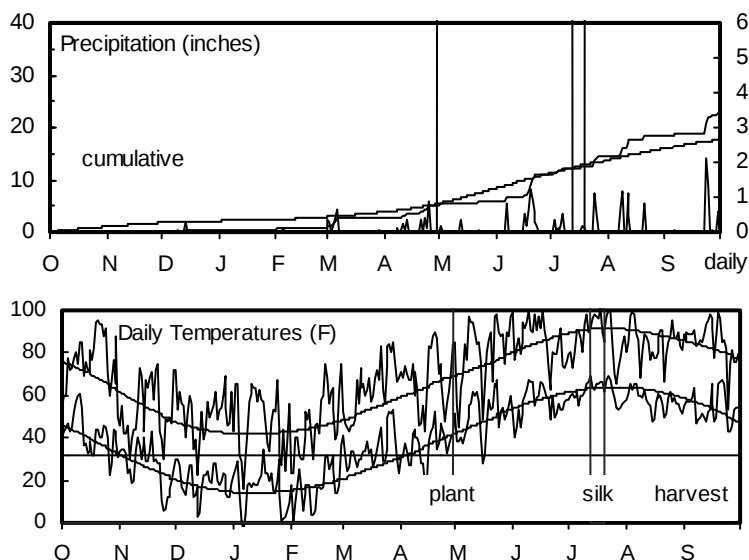


Table 28. Garden City Irrigated Corn Performance Test, 2003-2004.

BRAND	NAME	Seed treat-ment*	YIELD						2003-2004						2004			
			bushels/acre			% of test			Days to		Grain to		Days to		Grain to		Final	
			2-Yr. average			2004 2003			Silk		Moist. %		Silk		Moist. %		Stand %	
			2004	2003	AVG.	2004	2003										Ldg %	Test Wt. lb/bu
DEKALB	DKC60-19R/YGB	P250	234	267	250	94	98	74	17	73	16	110	0	--	96			
FONTANELLE	7798YGCB/RR	P250	229	--	--	92	--	--	--	74	16	100	0	--	100			
ASGROW	RX752RR/YG	P250	252	--	--	101	--	--	--	74	17	113	0	--	97			
DEKALB	DKC63-52R/YGB	P250	247	--	--	99	--	--	--	74	17	107	0	--	105			
NK	N70-F1		235	263	249	94	97	74	17	74	17	109	0	--	98			
STINE	9804YGCB	P250	248	--	--	99	--	--	--	74	17	113	0	--	101			
FONTANELLE	HC-7971YGCB	P250	254	--	--	102	--	--	--	74	18	101	0	--	103			
MATURITY CHECK	SHORT - G8590		215	209	212	86	77	75	15	75	16	99	0	--	103			
CROPLAN GEN.	705RR	C	235	--	--	94	--	--	--	75	17	99	0	--	101			
FONTANELLE	HC-7951YGCB	P250	266	294	280	107	108	75	17	75	17	96	0	--	103			
MATURITY CHECK	MID-NC+4823B	P250	253	--	--	102	--	--	--	75	17	101	0	--	101			
MYCOGEN	2E705	C	244	--	--	98	--	--	--	75	17	102	0	--	101			
CROPLAN GEN.	693B/CL	C	246	--	--	99	--	--	--	76	17	105	0	--	106			
HPH	KS2151CRW		243	--	--	98	--	--	--	76	17	99	0	--	103			
HPH	KS3131CRW		237	--	--	95	--	--	--	76	17	105	1	--	100			
MYCOGEN	2T780	C	258	--	--	104	--	--	--	76	17	112	1	--	107			
NK	N72-J5		238	273	255	96	100	75	17	76	17	111	1	--	103			
PIONEER	33B55	C	244	--	--	98	--	--	--	76	17	109	0	--	100			
STINE	9803YGCB	P250	259	279	269	104	103	76	17	76	17	106	0	--	100			
WARNER	4602B	P250	252	--	--	101	--	--	--	76	17	99	1	--	104			
FONTANELLE	HC-7987YGCB	P250	235	272	254	94	100	76	18	76	18	110	1	--	105			
GARST	8292YG1		251	--	--	101	--	--	--	76	18	94	1	--	109			
GARST	8371		247	296	271	99	109	76	18	76	18	106	1	--	104			

(continued)

Table 28. Garden City Irrigated Corn Performance Test, 2003-2004 - continued.

Table 2a: Corn Only, irrigated, Corn, Commercial Test, 2000-2011, Continued															
BRAND	NAME	Seed treat- ment*	YIELD					2003-2004		2004					
			bushels/acre			% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Final Stand %	Ldg %	Test Wt. lb/bu	Ht. in.
			2004	2003	AVG.	average									
						2004	2003								
GARST	8377YG1/RR		263	--	--	106	--	--	--	76	18	110	0	--	102
MYCOGEN	2T801	C	268	--	--	107	--	--	--	76	18	113	0	--	105
NK	N70-T9		234	274	254	94	101	75	18	76	18	103	0	--	102
TRIUMPH	1536CBRR		258	--	--	104	--	--	--	76	18	104	0	--	101
CROPLAN GEN.	818RRBT	C	277	279	278	111	103	77	18	77	17	109	1	--	101
GARST	8383YG1		243	270	256	98	99	76	17	77	17	99	1	--	101
CROPLAN GEN.	799Bt	C	239	--	--	96	--	--	--	77	18	98	0	--	103
FONTANELLE	HC-7931YGCB	P250	260	--	--	104	--	--	--	78	17	100	2	--	104
FRONTIER	F3250		250	258	254	100	95	77	18	78	17	101	2	--	109
HPH	KSEXP1150		239	--	--	96	--	--	--	78	17	103	2	--	109
MATURITY CHECK	FULL - M798		243	282	262	98	103	78	18	78	18	92	1	--	109
PIONEER	31N28	P250	258	--	--	104	--	--	--	78	18	107	1	--	103
PIONEER	32B33	P250	275	--	--	110	--	--	--	78	18	101	1	--	108
ST CHK	M798 P250	P250	243	--	--	98	--	--	--	78	18	96	1	--	113
ST CHK	M798 Cruiser	C	243	--	--	98	--	--	--	79	18	93	2	--	109
TRIUMPH	1866Bt	P1250	271	286	279	109	105	79	18	79	18	110	1	--	111
FRONTIER	F3175		274	266	270	110	98	78	18	80	17	105	2	--	109
	AVERAGES		249	272	261	249	272	76	17	76	17	104	1	--	103
	CV (%)		7	6	--	7	6	--	--	1	4	6	207	--	3
	LSD (0.05)**		25	21	--	10	8	--	--	1	1	8	2	--	4

* C=Cruiser, P250 or P1250=Poncho at 250 or 1250 rates. All entries had fungicide seed treatments.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other.
Current-year yields in bold are in the top LSD group.

Table 29. WEST Kansas IRRIGATED corn hybrid yield summary (% of test average), 2004.

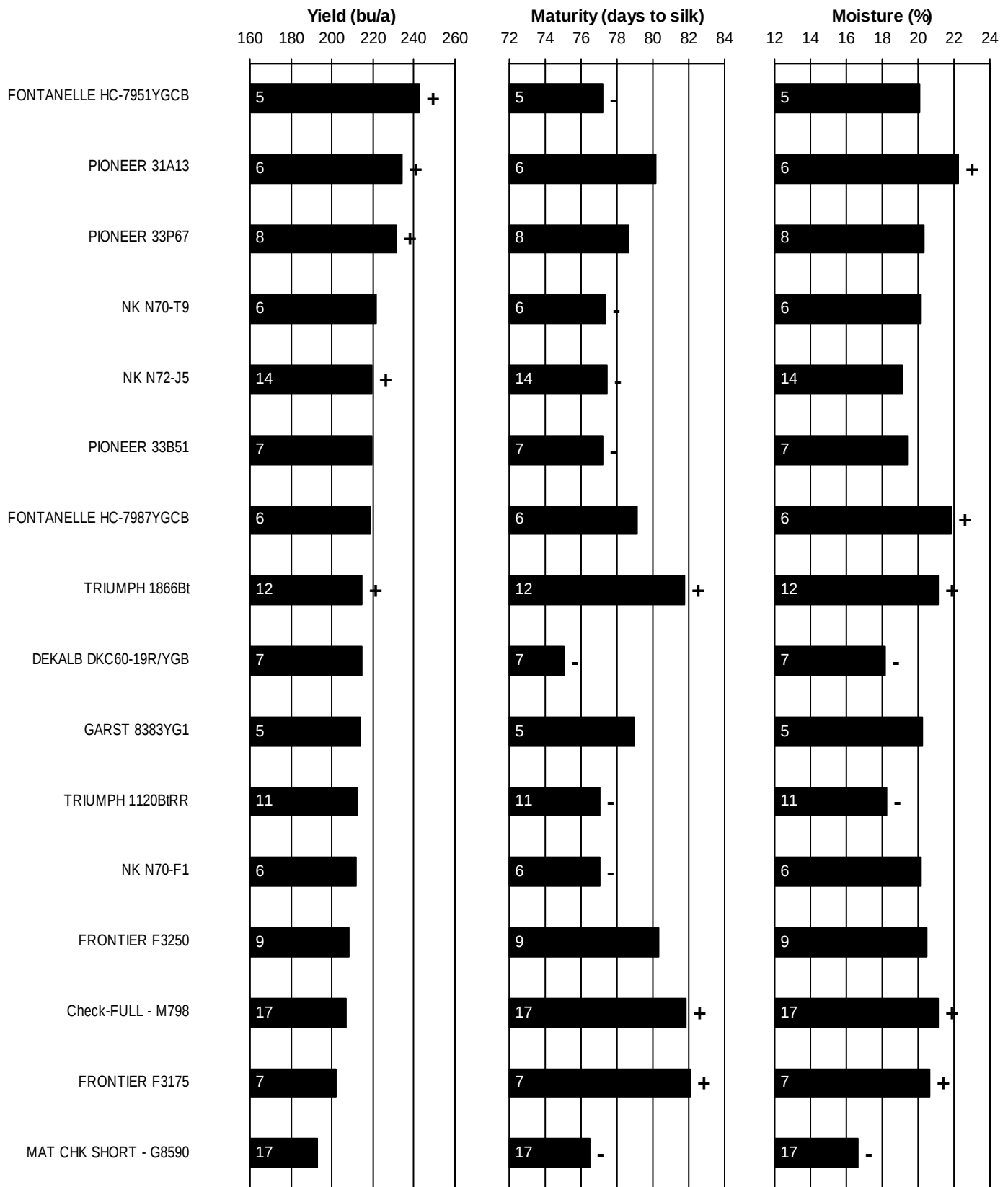
BRAND/NAME	COL*	TRI	GC	AVG.	BRAND/NAME	COL	TRI	GC	AVG.
AGSOURCE					OTTLIE				
5883 CB	100	108	--	--	5295LL	102	--	--	--
6163 CB	100	104	--	--	5334YGCB	110	--	--	--
6273 CB	97	99	--	--	5337CLYGCB	95	--	--	--
6883 CB	106	114	--	--	5436YGCB	107	--	--	--
7783 CB	112	--	--	--	5476YGCB	104	--	--	--
ASGROW					PIONEER				
RX752RR/YG	95	111	101	103	31N28	--	--	104	--
CROPLAN GEN.					32B33	--	--	110	--
501Bt	87	--	--	--	33B55	95	100	98	98
631CRW/RR	--	102	--	--	33M54	101	94	--	--
693B/CL	100	--	99	--	34N42	94	100	--	--
694Bt	97	70	--	--	PREMIUM				
705RR	86	98	94	93	P270	100	--	--	--
731Hx	--	104	--	--	PRODUCERS				
799Bt	--	--	96	--	7001BT	--	106	--	--
818RRBT	--	--	111	--	7284BT	103	112	--	--
DEKALB					7373RRBT	106	--	--	--
DKC60-19R/YGB	89	108	94	97	RENZE				
DKC63-52R/YGB	99	96	99	98	5345HX1	--	86	--	--
FONTANELLE					5385HX1	--	106	--	--
7798YGCB/RR	93	102	92	96	5425HX1	102	97	--	--
HC-7931YGCB	--	--	104	--	5455HX1	100	100	--	--
HC-7951YGCB	107	116	107	110	6386	--	108	--	--
HC-7971YGCB	99	115	102	105	6424	103	--	--	--
HC-7987YGCB	107	94	94	99	8354YGCB	86	104	--	--
FRONTIER					8383YGCB	--	109	--	--
F3175	97	59	110	89	8394YGCB	109	103	--	--
F3250	103	91	100	98	8454YGCB	106	116	--	--
GARST					9384YGCB/RR	107	102	--	--
8225YG1/RR	--	100	--	--	ST CHK				
8288	100	--	--	--	M798 Cruiser	95	75	98	89
8292YG1	--	--	101	--	M798 P250	88	61	98	82
8371	--	--	99	--	STINE				
8377YG1/RR	111	--	106	--	9803YGCB	--	--	104	--
8383YG1	93	--	98	--	9804YGCB	--	--	99	--
HPH					TRIUMPH				
KS2151CRW	--	--	98	--	1120BtRR	88	96	--	--
KS3131CRW	--	--	95	--	1416Bt	--	101	--	--
KSEXP1150	--	--	96	--	1536CBRR	108	114	104	109
LG SEEDS					1866Bt	--	--	109	--
LG2540BT/RR	95	112	--	--	WARNER				
LG2619BT	112	--	--	--	4602B	110	121	101	111
LG2619BT/RR	--	117	--	--	MATURITY CHECK				
LG2633BT	--	108	--	--	FULL - M798	100	67	98	88
MYCOGEN					MID-NC+4823B	101	92	102	98
2E705	100	94	98	97	SHORT - G8590	87	91	86	88
2P682	101	--	--	--	AVERAGES (bu/a)				
2T780	108	--	104	--	CV (%)	6	9	7	--
2T801	--	108	107	--	LSD (0.05)	8	13	10	--
NK									
N70-F1	94	102	94	97					
N70-T9	97	103	94	98					
N72-J5	107	100	96	101					

* COL = Colby, Thomas Co.

TRI = Tribune, Greeley Co.

GC = Garden City, Finney Co.

Figure 10. WEST Kansas IRRIGATED corn hybrid standardized performance summary, 2000-2004.



Values within bars indicate the number of comparisons with checks. Symbols (+,-) indicate if statistically higher or lower than mean of checks.

APPENDIX: Entries in the 2004 Kansas Corn Performance Tests*

SD TRT GDD DBL RES P F							SD TRT GDD DBL RES P F						
ACCESS							FRONTIER						
AEXP0514	P250	--	--	--	--	--	F3250	--	2880	115	--	--	Y
AEXP1516RR	P250	--	--	RR	--	--	F3175	--	2900	116	--	Y	Y
AEXP5313YGCB	P250	--	--	YGCB	--	--	GARST						
AEXP5415YGCB	P250	--	--	YGCB	--	--	8888	--	2260	95	--	--	SO
AEXP5416YGCB	P250	--	--	YGCB	--	--	8791	--	2450	103	--	--	Y
AEXP5417YGCB	P250	--	--	YGCB	--	--	8535YG1/IT	--	2560	108	Bt,CL	--	Y
AEXP5514YGCB	P250	--	--	YGCB	--	--	8545	--	2555	109	--	--	Y
AEXP8413Hx	P250	--	--	Hx,LL	--	--	8566YG1	--	2565	109	Bt	--	Y
AEXP8414Hx	P250	--	--	Hx,LL	--	--	8424	--	2565	110	--	--	Y
AGSOURCE							8450IT	--	2600	111	CL	--	Y
4556 CBRR	C	2500	101	RR,BtCB	Y	Y	8454YG1	--	2600	112	Bt	--	Y
5683 CB	C	2620	107	BtCB	Y	Y	8383YG1	--	2610	114	Bt	N	Y
5883 CB	P250	2680	109	BtCB	Y	Y	8371	--	2620	114	--	N	Y
6163 CB	C	2730	111	BtCB	Y	Y	8328Bt/IT	--	2600	115	Bt,CL	N	Y
6273 CB	P250	2700	112	BtCB	Y	Y	8376YG1	--	2620	115	Bt	--	Y
6233 CB	C	2730	112	BtCB	Y	N	8377YG1/RR	--	2620	115	Bt,RR	--	Y
6883 CB	C	2820	114	BtCB	Y	Y	8350YG1	--	2650	116	Bt	--	Y
7223 Hx	P250	2800	115	Hx,LL	Y	--	8288	--	2670	116	--	N	Y
7243 CB	C	2800	115	CB	Y	N	8225YG1/RR	--	2650	117	Bt,RR	--	Y
7783 CB	C	2860	116	BtCB	Y	Y	8292YG1	--	2690	118	Bt	--	Y
ASGROW							GOLDEN ACRES						
RX702YG	P250	2725	110	Bt	--	--	2841RRB	P250	2830	117	Bt,RR	N	Y
RX752RR/YG	P250	2750	112	RR,Bt	--	--	2995RR	P250	2895	120	RR	N	Y
CROPLAN GEN.							X-6420Bt	P250	2895	120	Bt	N	Y
364Bt	C	2450	98	Bt	N	Y	HAWKEYE						
501Bt	C	2510	102	Bt	Y	Y	03-990Bt	--	2620	114	Bt	Y	Y
441Bt	C	2520	104	Bt	N	Y	HPH						
693Bt/CL	C	2730	111	Bt,CL	Y	N	KS3131CRW	--	--	113	CRW	N	Y
699Bt/CL	C	2750	112	Bt,CL	N	Y	KS2151CRW	--	--	115	CRW	N	Y
705RR	C	2760	112	RR	N	Y	KSEXP1150	--	--	115	RR,Bt	N	Y
694Bt	C	2770	113	Bt	N	Y	KAYSTAR						
731Hx	C	2780	114	Bt,LL	N	Y	KX-8615Bt	P250	--	--	Bt	N	Y
799Bt	C	2855	116	Bt	N	Y	X4181B	P250	--	--	Bt	N	Y
818RRBT	C	2860	117	RR,Bt	N	Y	KRUGER						
DEKALB							K-9212RR/YGCB	P250	2660	--	RR,YG	Y	Y
DKC47-10R/YGB	P250	2420	97	RR,Bt	--	--	K-9111YGCB	P250	2670	--	YGCB	Y	Y
DKC50-20R/YGB	P250	2520	100	RR,Bt	--	--	K-9313	P250	2670	--	--	Y	Y
DKC52-47R/YGB	P250	2550	102	RR,Bt	--	--	K-9114YGCB	P250	2685	--	YGCB	Y	Y
DKC54-51YGCB	P250	2585	104	Bt	--	--	K-9414YGCB	P250	2685	--	YGCB	Y	Y
DKC60-19R/YGB	P250	2750	110	RR,Bt	--	--	K-9315YGCB	P250	2690	--	YG	Y	Y
DKC63-81R/YGB	P250	2790	113	RR,Bt	--	--	K-9115YGCB	P250	2710	--	YG	Y	Y
DKC63-52R/YGB	P250	2800	113	RR,Bt	--	--	LEWIS						
DYNA-GRO							4864YGCBRR	P250	--	108	YGCB,RR	N	Y
55F16	P250	2525	102	Bt	N	N	5454YGCBRR	P250	--	112	Bt,RR	N	Y
55P98	P250	2525	103	RR,Bt	N	N	5645YGCB	P250	--	112	Bt	N	Y
55F21	P250	2575	103	Bt	N	N	7044YGCB	P250	--	116	YGCB	N	Y
57F29	P250	2750	110	Bt	Y	Y	LG SEEDS						
57F87	P250	2800	113	Bt	Y	Y	LG2540BT/RR	P250	2585	110	Bt/RR	N	Y
57P69	P250	2815	113	RR,Bt	Y	Y	LG2619BT	P250	2680	113	Bt	N	Y
57P46	P250	2825	114	RR,Bt	Y	Y	LG2619BT/RR	P250	2680	113	Bt,RR	N	Y
57P93	P250	2850	114	RR,Bt	Y	Y	LG2633BT	P250	2685	114	Bt	N	Y
58P59	P250	2875	115	RR,Bt	Y	Y	MIDLAND						
FONTANELLE							7A14YGCB	P250	2780	111	Bt	Y	Y
7798YGCB/RR	P250	--	--	Bt,RR	N	Y	7B13YGCB	P250	2780	111	Bt	Y	SF
7R418	P250	--	--	RR	N	N	7B15YGCB	P250	2800	112	Bt	Y	Y
8N422	P250	--	--	Bt,RR	N	Y	7A15Bt	--	2820	113	Bt	--	SF
HC-7931YGCB	P250	--	--	Bt	N	Y	7A29YGCB	P250	2850	114	Bt	Y	Y
HC-7951YGCB	P250	--	--	Bt	N	Y	7A28Bt	--	2840	116	Bt	--	Y
HC-7971YGCB	P250	--	--	Bt	N	Y	7A28RRBt	--	2840	116	RR,Bt	--	Y
HC-7987YGCB	P250	--	--	Bt	N	Y	7A58Bt	--	--	117	Bt	--	Y

(continued)

APPENDIX: Entries in the 2004 Kansas Corn Performance Tests, continued.

	SD TRT	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
MYCOGEN							PRODUCERS						
2K541	C	2450	103	RR,YG	--	Y	7284BT	C	2620	112	Bt	N	Y
2G626	C	2550	105	YG	N	Y	7321BT	C	2615	113	Bt	N	Y
2P682	C	2560	109	--	N	Y	7373RRBT	C	2680	113	RR,Bt	N	Y
2E705	C	2640	111	YG	--	Y	RAINBOW						
2E762	C	2640	111	RR,YG	--	Y	3158YGCB	--	2490	114	YGCB	--	Y
2G768	C	2685	113	LL,Hx	N	Y	RENZE						
2T801	C	2665	114	RR,YG	--	Y	5345HX1	P250	--	110	LL,Bt	N	N
2T780	C	2670	114	LL,Hx	--	Y	5385HX1	P250	--	112	LL,Bt	N	Y
2P786	C	2700	114	LL,Hx	--	Y	6363	P250	--	112	--	N	Y
2A812	C	2715	114	Bt,LL,Hx	N	Y	6386	P250	--	112	--	N	Y
2P782	C	2720	114	RR,LL,Hx	--	Y	3364YGPL	P250	--	113	Bt,RW	N	Y
NC+							5425HX1	P250	--	113	LL,Bt	N	Y
3601	P250	2500	107	--	N	Y	8354YGCB	P250	--	113	Bt	N	Y
5423B	P250	2760	114	Bt	N	Y	8364YGCB	P250	--	113	Bt	N	Y
5433RB	P250	2760	114	Bt,RR	N	Y	9363YGCB/RR	P250	--	113	RR,Bt	N	Y
NK							5455HX1	P250	--	114	LL,Bt	N	Y
N58-D1	--	2660	107	Bt,LL	N	Y	6424	P250	--	114	--	N	Y
N65-M7	--	2690	109	--	Y	Y	8383YGCB	P250	--	115	Bt	N	Y
N70-F1	--	2650	112	Bt,LL	Y	Y	8394YGCB	P250	--	115	Bt	N	Y
N70-T9	--	2670	112	Bt,CL,LL	Y	Y	9384YGCB/RR	P250	--	115	RR,Bt	N	Y
N71-Z3	C	2745	112	LL	Y	Y	8454YGCB	P250	--	116	Bt	N	Y
N72-J5	--	2780	112	--	Y	Y	ST CHK						
N76-H2	--	2800	113	--	Y	Y	M798 Cruiser	C	2820	115	--	Y	Y
N82-A7	--	2880	118	Bt,LL	Y	Y	M798 P250	P250	2820	115	--	--	--
OTILLIE							STINE						
5295LL	--	2690	112	LL	N	Y	9620YGCB	P250	2420	105	Bt	N	Y
5334YGCB	--	2730	113	Bt	N	Y	9619YGCB	P250	2510	109	Bt	N	Y
5337CLYGCB	--	2730	113	CL,Bt	N	Y	9720YGCB	P250	2520	110	Bt	N	Y
5436YGCB	--	2750	114	Bt	N	Y	9716	P250	2550	112	--	N	Y
5476YGCB	--	2760	114	Bt	N	Y	9723	P250	2550	112	--	N	N
PFISTER							9803YGCB	P250	2620	114	Bt	N	Y
2326Bt	P1250	--	--	--	--	--	9804YGCB	P250	2630	115	Bt	N	N
2656RR	P1250	2740	109	RR	N	Y	TAYLOR						
2656Bt	P1250	2750	110	Bt	N	Y	960RR/Bt	P250	--	110	RR,Bt	Y	Y
2656BtRR	P1250	2750	110	Bt,RR	N	Y	850Bt	P250	--	112	Bt	Y	Y
2760	P1250	2760	111	--	N	Y	955RR/Bt	P250	--	114	RR,Bt	Y	Y
2730	P1250	2770	112	--	N	Y	990RR/Bt	P250	--	118	RR,Bt	Y	Y
2750Bt	P1250	2770	112	Bt	N	Y	TRIUMPH						
3030Bt	P1250	2800	113	Bt	Y	Y	5433CBRR	--	--	--	YGCB,RR	N	Y
3153RR	P1250	2800	113	RR	N	Y	1120BtRR	P250	2480	111	YGCB,RR	N	Y
3356Bt	P1250	2850	115	Bt	N	Y	1416Bt	P1250	2500	113	YGCB	N	Y
PIONEER							1536CBRR	--	--	115	YGCB,RR	N	Y
35P15	C	2490	105	Bt,CL	N	Y	1866Bt	P1250	2610	117	YGCB	N	Y
34H32	C	2540	107	Bt	N	Y	2011RR	P1250	2650	119	RR	N	Y
33B51	P250	2650	111	Bt	N	Y	WARNER						
34M93	P250	2650	111	Bt,LL	N	Y	W4201BR	P250	--	104	Bt,RR	N	Y
34N42	P250	2650	111	Bt,LL	N	Y	4602B	P250	--	117	Bt	N	Y
33K39	P250	2670	112	--	N	Y	WILLCROSS						
33B55	C	2700	113	Bt,LL	N	Y	3103CB	--	--	109	Bt	--	--
33P67	P250	2720	114	Bt	N	Y	3143CB	--	--	114	Bt	--	Y
33M54	P250	2750	115	--	N	Y	3179RR	--	--	117	RR	--	Y
33R78	C	2750	115	Bt	N	Y	MATURITY CHECK						
31A13	P250	2770	116	Bt	N	Y	SHORT - G8590	--	2560	106	--	--	Y
32B33	P250	2770	116	--	N	Y	MID-NC+4823B	P250	2710	112	Bt	N	Y
31G66	P250	2800	117	--	Y	Y	FULL - M798	--	2820	115	--	Y	Y
31N28	P250	2870	120	Bt	N	Y							
PREMIUM													
P236	--	--	111	--	N	Y							
P270	--	--	114	--	N	Y							
PRODUCERS													
7001BT	C	2570	110	Bt	N	Y							

*SD TRT = Seed treatment (C = Cruiser, P250 = Poncho 250, P1250 = Poncho 1250); GDD = growing degree days; DBL = days to black layer; RES = herbicide, disease, and insect resistance traits (Bt, BtCB, YG, YGCB = transgenic corn borer protection, BtRW = transgenic rootworm protection, ECB = European corn borer resistance, CL, IT, IMI = imidazolinone resistant/tolerant, LL = Liberty Link, RR = Roundup Ready, GLS = gray leaf spot); P = prolific; F = flex ear. Values provided by entrants.

For those interested in accessing crop performance testing information electronically, visit our World Wide Web site. All of the information contained in this publication, plus more, is available for viewing or downloading. The URL is <http://www.ksu.edu/kscpt>.

Excerpts from the UNIVERSITY RESEARCH POLICY AGREEMENT
WITH COOPERATING SEED COMPANIES*

Permission is hereby given to Kansas State University to test varieties and/or hybrids designated on the attached entry forms in the manner indicated in the test announcements. I certify that seed submitted for testing is a true sample of the seed being offered for sale.

I understand that all results from Kansas Crop Performance Tests belong to the University and the public and shall be controlled by the University so as to produce the greatest benefit to the public. Performance data may be used in the following ways: 1) Tables may be reproduced in their entirety provided the source is referenced and data are not manipulated or reinterpreted; 2) Advertising statements by an individual company about the performance of its entries may be made as long as they are accurate statements about the data as published, with no reference to other companies' names or cultivars. In both cases, the following must be included with the reprint or ad citing the appropriate publication number and title: "See the official Kansas State University Agricultural Experiment Station and Cooperative Extension Service Report of Progress 932 '2004 Kansas Performance Tests with Corn Hybrids,' or the Kansas Crop Performance Test Web site, www.ksu.edu/kscpt, for details. Endorsement or recommendation by Kansas State University is not implied."

These materials may be freely reproduced for educational purposes. All other rights reserved. In each case, give credit to the author(s), name of work, Kansas State University, and the date the work was published.

Special thanks to J.B. Pearl Sales and Service Inc., St Marys, Kansas,
for providing starter fertilizer for several of the tests.

CONTRIBUTORS

MAIN STATION, MANHATTAN

Kraig Roozeboom, Agronomist (Senior Author)
Doug Jardine, Extension Plant Pathologist
Jeff Whitworth, Extension Entomologist
Mary Knapp, KSU State Climatologist

James R. Cochrane, Assistant Scientist
Edward O. Quigley, Agricultural Technician
Richard Wilkes, Student

EXPERIMENT FIELDS

Mark Claassen, Hesston
W. Barney Gordon, Scandia
William Heer, Hutchinson
Jim Kimball, Ottawa
Larry Maddux, Topeka
Victor Martin, St. John

RESEARCH CENTERS

Patrick Evans, Colby
Ken Kofoed, Hays
James Long, Parsons
Alan Schlegel, Tribune
Merle Witt, Garden City

*NOTE: Trade names are used to identify products.
No endorsement is intended, nor is any criticism implied of similar products not named.*

This Report of Progress was edited, designed, and printed by the Department of Communications
at Kansas State University

Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan 66506
SRP 932

November 2004

K-State Agricultural Experiment Station and Cooperative Extension Service is an equal opportunity provider and employer. These materials may be available in alternative formats.