

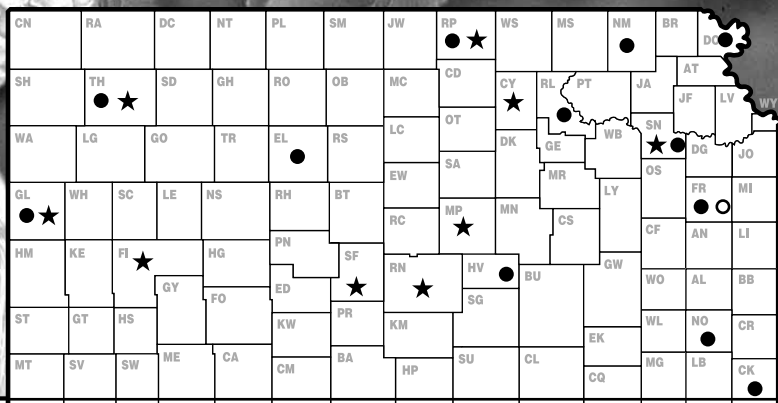
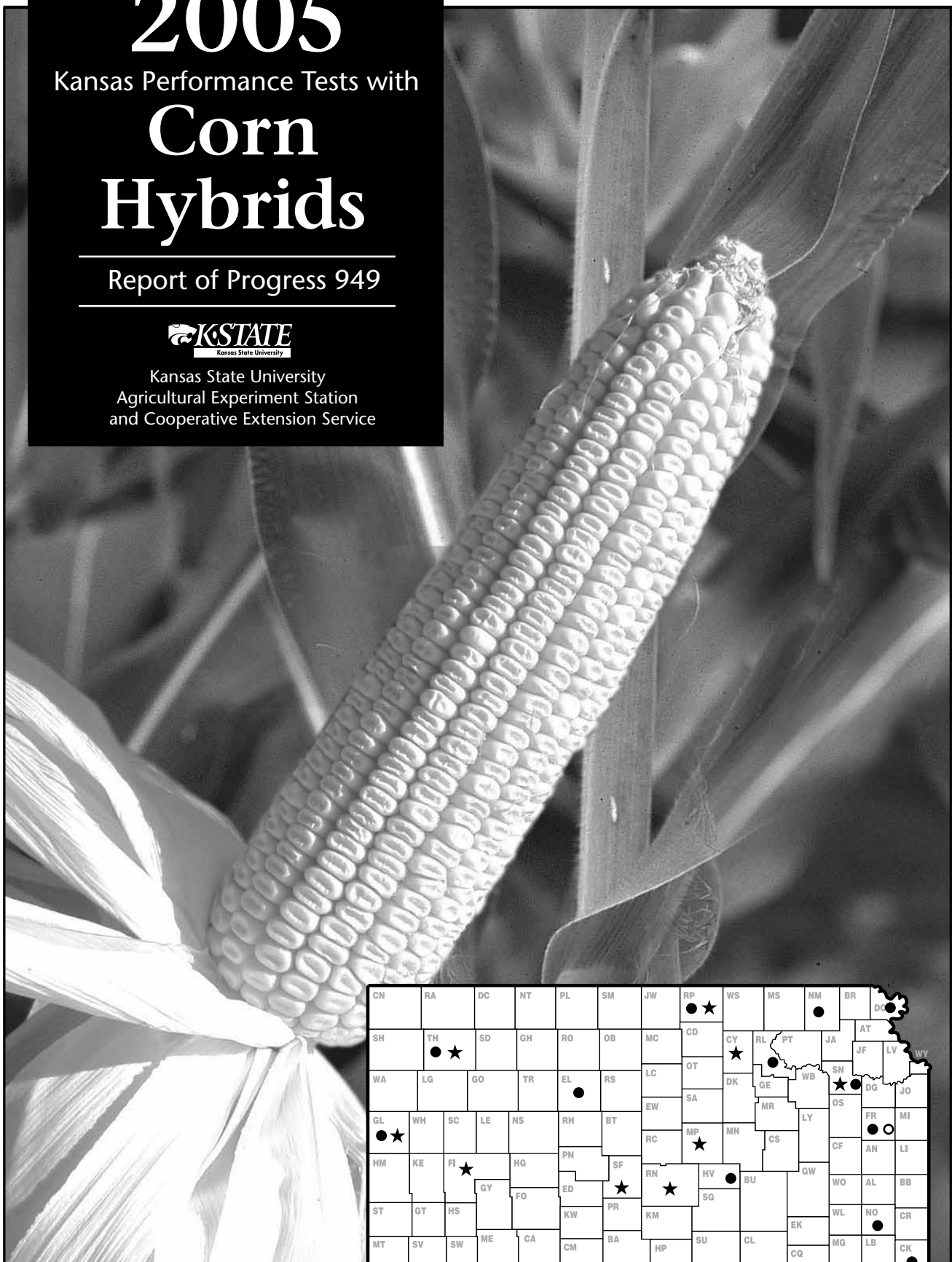
2005

Kansas Performance Tests with Corn Hybrids

Report of Progress 949



Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service



● standard dryland ○ short-season dryland ★ irrigated

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2005 CORN CROP REVIEW

Statewide Growing Conditions

The 2005 growing season generally fit the long-term pattern of adequate early-season precipitation, followed by hot, dry conditions in late July and August. Topsoil moisture was at least adequate in most of the state in late March and April (Figure 1). May was relatively dry, with close to half the crop acreage classified as having short to very short topsoil moisture early in the month. Substantial rains in early June replenished the upper soil profile so that more than 90% of the cropland had adequate or surplus topsoil moisture in mid-June. Topsoil moisture declined from late June until early August, with more than half the acreage classified as short to very short from mid-July to mid-August. Late-August rains helped later-maturing fields, but provided little benefit to the portion of the crop that had already matured.

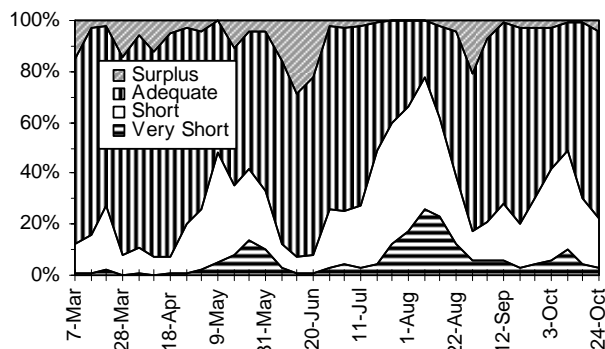


Figure 1. Statewide status of topsoil moisture.

The condition of the corn crop was closely tied to the pattern of precipitation. June precipitation enabled the proportion of the corn crop classified as good or excellent to reach a peak of more than 70% in early July (Figure 2). Condition of the crop generally declined from that point until the beginning of harvest, when just less than 50% was classified as good or excellent. The steepest decline in late July and early August coincided with the extended period of hot, dry conditions.

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

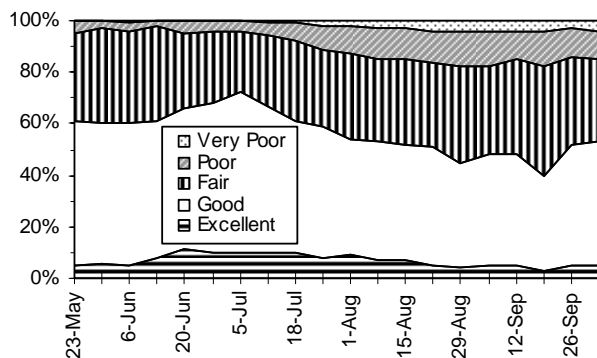


Figure 2. Condition of 2005 Kansas corn crop.

Diseases

From a plant-disease perspective, the 2005 growing season was an average year in Kansas. Approximately 40 corn samples were received in the Kansas State University Plant Disease Diagnostic Laboratory. Of these, 57% were identified as being caused by environmental, fertility, or chemical problems. Some of the more common of these problems included various injuries from herbicides, cold-weather crown stress, physiological leaf spot, and potash deficiency.

Of those samples with true disease problems, stalk rots and ear rots were the most common. Severity of these problems was close to long-term averages. Identified stalk rots included *Fusarium*, *Gibberella*, and charcoal rot. Identified ear molds included *Fusarium*, *Penicillium*, and *Diplodia*. As in 2004, aflatoxin was not a significant problem anywhere in the state.

Two diseases of note that were reported from Northwest Kansas in 2005 were Goss's bacterial wilt and corn lethal necrosis. Although common in the 1980s, these diseases have not been seen in Kansas for a number of years. It will be interesting to see if these were isolated incidences, or if they are beginning to make a comeback similar to what has been seen with head smut in recent years.

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

Insects

Overall, it was a relatively quiet year for corn insect pests. A few fields had early-season wireworm damage in Northeast Kansas. Several fields of corn planted into wheat, which had been used for winter grazing and then killed, had infestations of wheat stem maggots. These small fly larvae feed on the growing point of corn seedlings and actually reduced stands, causing some replanting. Although not common, this situation has been reported before. Rootworm infestations were probably about average or a little less than average. Southwestern corn borer damage was reported from several locations in north-central Kansas.

Damaging southwestern corn borer infestations traditionally have been confined to southwest Kansas, but yield losses occasionally have been reported from central Kansas. Other insect or mite pests (European corn borers, spider mites, etc.) did not seem to be as problematic as in past years.

(Jeff Whitworth, Kansas State University Department of Entomology)

Harvest Statistics

The October 12 Crops Report predicted a 429-million-bushel crop, down 1% from last year (Figure 3). In 2005, 3.30 million acres were harvested, up 15% from 2004. The predicted average yield of 130 bushels per acre is 20 bushels less than the 2004 average. (Kansas Agricultural Statistics)

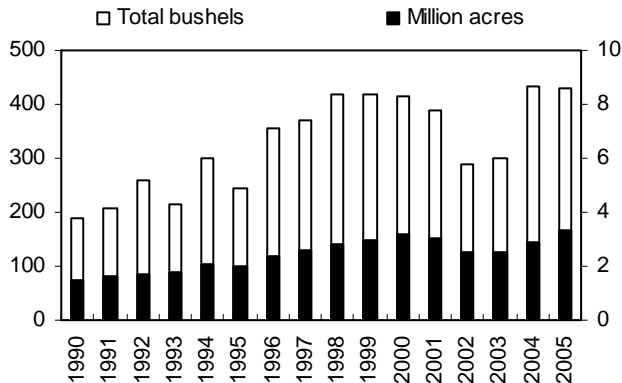


Figure 3. Historical Kansas corn production.

2005 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 2005 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 26 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. Many companies submitted seed treated with systemic insecticides (Cruiser, Poncho) that can affect yield in some situations. A column listing insecticide seed treatments for each hybrid is included to help interpret yield results.

Figures 4 through 9 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 2005 Kansas Corn Performance Tests.

AgSource Seeds, Inc. Nevada, IA 515-382-8880 agsourceseeds.com	Hawkeye Hybrids, Inc. Pella, IA 641-628-3827 hawkeyeh@lisco.net	Monsanto Seed (Asgrow/DeKalb) St. Louis, MO 800-833-5252 monsanto.com	Premium Seed, Inc. Berwick, IL 309-462-2396 premiumseed.com
Circle Seed Co. Dike, IA 866-384-5542	High Plains Hybrids Hugoton, KS 800-848-1988 jkramer@pld.com	Mycogen Seeds Indianapolis, IN 1-800-MYCOGEN mycogen.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	NC+ Hybrids Lincoln, NE 800-279-7999 nc-plus.com	Renze Hybrids Carroll, IA 712-669-3301 Renzehybrids.com
Dyna-Gro Kearny, NE 308-237-5194 Uap.com	Kruger Seed Co. (Access/Kruger) Dike, IA 800-772-2721 krugerseed.com	NK Brand Seeds Lincoln, NE 402-420-6664 nk-us.com	Stine Seed Co. Adel, IA 800-362-2510 stineseed.com
Fontanelle Hybrids Fontanelle, NE 800-279-4353 fontanelle.com	Lewis Hybrids, Inc. Ursa, IL 800-252-7851 lewishybrids.com	Otilie RO Seed Marshalltown, IA 800-798-6884 otilieseed.com	Taylor Seed Farms, Inc. White Cloud, KS 800-742-7473 taylorseedfarms.com
Garst Seed Co. Slater, IA 800-831-6630 garstseed.com	LG Seeds Elmwood, IL 800-752-6847 lgseeds.com	Pfister Hybrid Corn Co. El Paso, IL 800-647-3478 pfisterhybrid.com	Triumph Seed Co., Inc. Ralls, TX 800-530-4789 triumphseed.com
Golden Acres Waco, TX 800-692-6848 gaseed.com	Midland Genetics Group Ottawa, KS 800-819-SEED midlandgenetics.com	Phillips Seed Farms (Midland-Phillips, Phillips) Hope, KS 800-643-4340 info@phillipsseed.com	Warner Seeds, Inc. Hereford, TX 806-364-4470 warnerseeds.com
Grand Valley Hybrids Grand Junction, CO 970-243-3115 grandvalleyhybrids.com	Midwest Seed Genetics Carroll, IA 800-369-8218 midwestseed.com	Pioneer, A DuPont Company Amarillo, TX 800-258-5604 pioneer.com	Neco Seed Farms (Willcross) Garden City, MO 877-862-6326 willcross.com

NORTHEAST KANSAS DRYLAND CORN TEST ON SILT LOAM SOIL

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

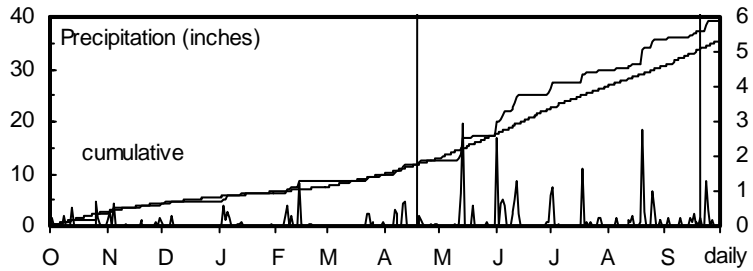
Monona silt loam; Soybean in 2004

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

Planted on 4/19/2005; Harvested on 9/19/2005

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

Freezes on April 31 and May 2 burned off the top 2" of growth. Plants initially came back slowly with dry weather. Favorable rainfall during the rest of the season resulted in good yields.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	9.7	9.9	39	38	108	34
April	2.9	3.1	55	54	284	231
May	4.8	4.5	63	64	453	447
June	8.9	5.0	76	73	733	688
July	3.7	4.2	78	78	813	813
August	5.9	4.0	77	76	781	781
Sept.	3.4	4.8	71	68	645	551
Totals:	39.3	35.4	55	53	3,816	3,545

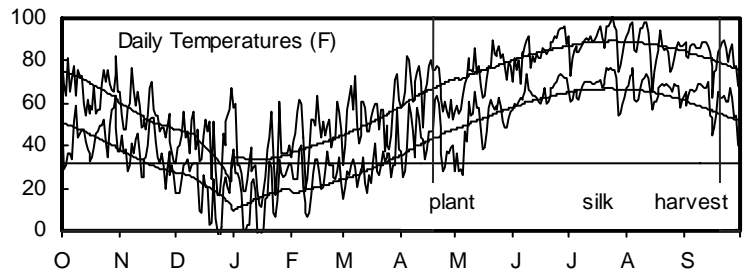


Table 2. Severance Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test		Days	Grain	Days	Grain	Pop.	Test	Ht.		
			2005	2004	2-Yr. average	2005	2004	Silk	to Moist. %	to Silk	to Moist. %	1000 ppa	Ldg %	Wt. lb/bu	in.
MATURITY CHECK	SHRT-DKC50-20		162	--	--	96	--	--	--	15	23.6	0	57	97	
AGSOURCE	5783	C125	177	--	--	105	--	--	--	16	23.4	1	57	102	
KRUGER	K-9111YGCB	P250	163	237	200	97	104	--	14	--	16	23.7	6	57	106
KRUGER	K-5313YGCB	P250	169	--	--	101	--	--	--	17	22.4	6	55	114	
KRUGER	K-9212RR/YGCB	P250	165	245	205	98	107	--	15	--	17	24.0	28	57	111
MATURITY CHECK	MID-NC+4823B		167	239	203	99	104	--	15	--	17	23.4	30	56	108
MIDLAND	MG7A53Bt	P250	172	--	--	103	--	--	--	17	22.7	26	57	113	
MIDLAND	MG7B13BtRR	P250	167	--	--	99	--	--	--	17	23.6	49	56	114	
PFISTER	2656BtRR	P1250	166	235	201	99	103	--	15	--	17	22.8	39	57	114
PIONEER	34P88	P1250	166	--	--	99	--	--	--	17	21.8	3	57	107	
RENZE	9365YGCB/RR	P250	176	--	--	105	--	--	--	17	22.3	26	57	114	
AGSOURCE	6150	C125	161	--	--	96	--	--	--	18	20.7	1	58	111	
AGSOURCE	6153Hx	P250	181	--	--	108	--	--	--	18	24.0	9	58	110	
AGSOURCE	6696YGCBRR	C125	172	--	--	103	--	--	--	18	22.3	4	55	111	
CROPLAN GEN.	691Bt	C	158	--	--	94	--	--	--	18	21.8	0	55	107	
GARST	8566YG1	C	168	--	--	100	--	--	--	18	22.9	1	56	109	
KRUGER	K-0614A	P250	164	--	--	98	--	--	--	18	23.0	0	57	99	
MIDLAND	MG7A15Bt	C	157	217	187	93	95	--	16	--	18	20.1	13	57	106
MYCOGEN	2T801	C	152	--	--	91	--	--	--	18	22.6	14	57	110	
PFISTER	2730Bt	P1250	172	--	--	102	--	--	--	18	21.5	4	55	108	
RENZE	6375	P250	166	--	--	99	--	--	--	18	23.3	1	58	115	
RENZE	6406	P250	162	--	--	96	--	--	--	18	22.1	1	58	98	
RENZE	8454YGCB	P250	169	236	203	101	103	--	16	--	18	22.6	0	57	108
STINE	9803YGCB	P250	143	231	187	85	101	--	17	--	18	21.5	10	59	104
TRIUMPH	1416Bt	P250	166	250	208	99	110	--	16	--	18	23.7	3	56	112
AGSOURCE	5973YGCB	P250	176	--	--	105	--	--	--	19	24.0	5	58	106	

(continued)

Table 2. Severance Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
AGSOURCE	6273YGCB	C125	147	228	188	88	100	--	17	--	19	19.9	0	59	106	
AGSOURCE	X55314	P250	177	--	--	105	--	--	--	--	19	23.6	18	57	110	
CROPLAN GEN.	663Bt	C	174	--	--	103	--	--	--	--	19	23.8	0	57	102	
KRUGER	K-5514YGCB	P250	177	--	--	106	--	--	--	--	19	24.2	1	56	99	
KRUGER	K-8614HX	P250	157	--	--	94	--	--	--	--	19	22.5	11	55	114	
KRUGER	K-9115RR/YGCB	P250	165	--	--	98	--	--	--	--	19	23.8	15	57	111	
KRUGER	K-9313YGCB	P250	172	--	--	102	--	--	--	--	19	23.3	9	55	108	
MIDLAND	MG7A28Bt	C	155	247	201	92	108	--	17	--	19	21.1	14	53	115	
MYCOGEN	2A812	C	169	220	194	101	96	--	17	--	19	25.5	19	55	115	
NC+	5381	P250	174	--	--	104	--	--	--	--	19	23.6	3	58	114	
NC+	5433RB	P250	164	--	--	98	--	--	--	--	19	23.0	24	56	115	
NK	N70-T9	C	154	223	189	92	98	--	17	--	19	22.4	5	56	108	
NK	N76-M5	C	159	--	--	95	--	--	--	--	19	22.5	11	54	110	
PIONEER	33K39	P1250	172	222	197	102	97	--	17	--	19	21.8	1	59	111	
PRODUCERS	7371YGCB	C	164	--	--	98	--	--	--	--	19	22.9	1	56	114	
PRODUCERS	7373YGCBRR	C	166	230	198	99	100	--	17	--	19	23.6	25	56	110	
RENZE	9454YGCB/RR	P250	159	--	--	95	--	--	--	--	19	22.9	5	57	110	
TRIUMPH	1536CBRR	P250	161	230	196	96	101	--	17	--	19	22.8	10	56	111	
AGSOURCE	6746CBRR	P250	166	--	--	99	--	--	--	--	20	23.4	0	59	114	
AGSOURCE	7243YGCB	C125	168	240	204	100	105	--	17	--	20	21.7	4	56	109	
AGSOURCE	7883YGCB	C125	184	--	--	109	--	--	--	--	20	24.0	9	54	117	
AGSOURCE	x56115	P250	170	--	--	101	--	--	--	--	20	22.6	6	57	115	
CROPLAN GEN.	731Hx	C	159	252	206	95	110	--	18	--	20	23.7	16	55	116	
GARST	8377YG1/RR	C	169	--	--	101	--	--	--	--	20	24.6	1	56	113	
HAWKEYE	316Bt	P250	187	243	215	112	107	--	18	--	20	21.8	10	54	117	
KRUGER	K-2517RR/YGCB	P250	174	--	--	104	--	--	--	--	20	24.2	8	54	118	
KRUGER	K-5416YGCB	P250	175	--	--	104	--	--	--	--	20	23.2	9	56	105	
KRUGER	K-8414HX	P250	170	--	--	102	--	--	--	--	20	22.6	6	55	114	
LEWIS	7044YGCB		193	246	220	115	108	--	18	--	20	22.7	1	54	116	
LEWIS	7226RR		172	--	--	102	--	--	--	--	20	23.2	3	58	117	
MIDLAND	MG7B63Hx	P250	150	--	--	89	--	--	--	--	20	21.9	1	55	113	
MYCOGEN	2T780	C	162	227	195	97	99	--	18	--	20	23.8	13	55	116	
NC+	5555HL	LHB	165	--	--	98	--	--	--	--	20	23.3	9	55	116	
NK	N76-D3	C	178	--	--	106	--	--	--	--	20	23.6	0	55	109	
PIONEER	33R78	P1250	184	249	217	110	109	--	18	--	20	21.7	3	55	119	
RENZE	8386YGCB	P250	177	--	--	105	--	--	--	--	20	24.2	5	56	106	
RENZE	8526YGCB	P250	190	--	--	113	--	--	--	--	20	23.6	11	54	115	
RENZE	9526YGCB/RR	P250	175	--	--	104	--	--	--	--	20	20.8	0	54	118	
STINE	9804YGCB	P250	159	223	191	95	98	--	18	--	20	23.2	13	55	102	
KRUGER	K-5517YGCB	P250	178	--	--	106	--	--	--	--	21	24.0	10	53	113	
PFISTER	3356RRBt	P1250	170	--	--	101	--	--	--	--	21	23.2	5	53	119	
AGSOURCE	7793HX	P250	182	--	--	108	--	--	--	--	22	24.4	20	53	121	
MATURITY CHECK FULL - M798			148	222	185	88	97	--	19	--	22	21.9	3	56	118	
	AVERAGES		168	228	198	168	228	--	17	--	19	22.9	9	56	111	
	CV (%)		7	6	--	7	6	--	--	--	4	6.2	148	1	3	
	LSD (0.05)**		16	18	--	9	8	--	--	--	1	2.0	18	1	5	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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

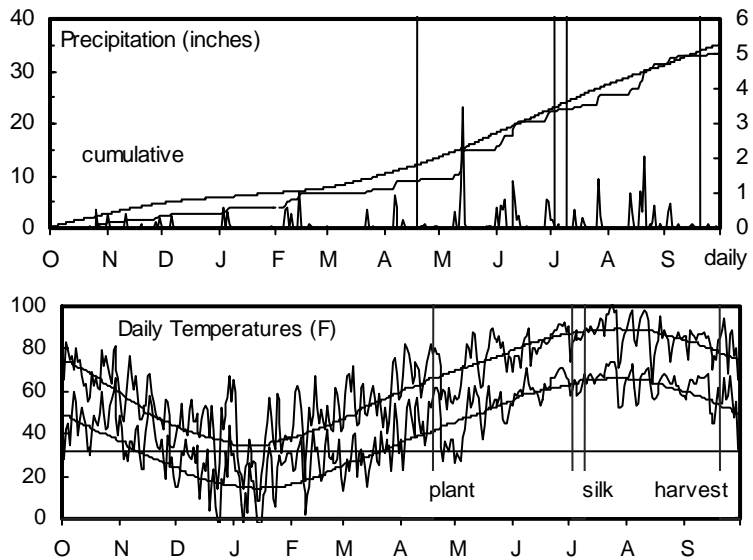
Wymore silt loam; Soybean in 2004

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

Planted on 4/19/2005; Harvested on 9/19/2005

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

Freezes on April 31 and May 2 burned off leaves but caused little stand loss. Plants initially came back slowly with dry weather, but heavy rains in June stimulated excellent vegetative growth. Cultivation on June 8 controlled most escapes from pre-emergence herbicide application.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	7.3	10.2	40	37	118	58
April	2.3	3.2	56	53	306	223
May	5.4	4.6	63	62	462	400
June	7.3	4.6	73	72	680	656
July	3.2	4.7	77	77	763	792
August	6.1	3.8	75	75	732	763
Sept.	1.8	4.0	70	67	602	518
Totals:	33.2	35.2	55	53	3,662	3,409

Table 3. Centralia Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	2005									2004
GARST	8534YG1/RR	C	132	--	--	95	--	--	--	74	14	26.9	1	57	103
MATURITY CHECK	SHRT-DKC50-20		134	--	--	97	--	--	--	74	14	26.6	0	57	93
RENZE	6406	P250	131	--	--	95	--	--	--	74	16	25.6	0	59	98
AGSOURCE	5973YGCB	P250	132	--	--	96	--	--	--	74	17	26.4	0	59	101
CROPLAN GEN.	663Bt	C	135	--	--	97	--	--	--	74	17	25.9	0	58	100
AGSOURCE	5783	C125	142	--	--	103	--	--	--	75	14	26.5	0	57	100
KRUGER	K-5313YGCB	P250	139	--	--	100	--	--	--	75	14	26.2	0	56	110
ASGROW	RX715RR2	P250	123	--	--	89	--	--	--	75	15	26.8	1	58	103
ASGROW	RX752RR/YGCB	P250	141	180	160	102	99	70	14	75	15	26.6	0	58	105
KRUGER	K-9212RR/YGCB	P250	139	181	160	101	100	70	13	75	15	26.6	4	57	105
MIDLAND	MG7B13BtRR	P250	138	--	--	100	--	--	--	75	15	26.4	1	57	109
NK	N65-M7	C	129	171	150	93	94	71	13	75	15	25.2	0	57	104
PIONEER	34P88	P1250	136	--	--	98	--	--	--	75	15	26.9	0	57	102
DEKALB	DKC61-72RR2	P250	135	--	--	97	--	--	--	75	16	25.7	3	58	107
GARST	8566YG1	C	146	--	--	105	--	--	--	76	15	26.7	4	56	104
MATURITY CHECK	MID-NC+4823B		142	181	161	102	99	71	14	76	15	25.9	0	57	109
PFISTER	2656BtRR	P1250	138	--	--	100	--	--	--	76	15	25.6	0	57	107
KRUGER	K-5416YGCB	P250	129	--	--	93	--	--	--	76	16	25.8	5	59	99
MIDLAND	MG7A53Bt	P250	146	--	--	105	--	--	--	76	16	26.1	3	58	108
MYCOGEN	2A812	C	123	--	--	89	--	--	--	76	16	26.9	1	57	109
NK	N70-T9	C	127	190	158	91	105	71	15	76	16	26.6	1	58	103
AGSOURCE	6153Hx	P250	140	--	--	101	--	--	--	76	17	25.7	0	58	108
PHILLIPS	7B15RRYGCB	P	138	--	--	99	--	--	--	76	18	26.1	0	58	109
AGSOURCE	6293HX	P250	126	--	--	91	--	--	--	77	16	27.2	0	56	110
AGSOURCE	6696YGCRR	C125	142	--	--	103	--	--	--	77	16	26.4	5	57	105

(continued)

Table 3. Centralia Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
KRUGER	K-5517YGCB	P250	148	--	--	107	--	--	--	77	16	26.1	15	57	110	
RENZE	6375	P250	145	--	--	104	--	--	--	77	16	27.3	0	59	111	
RENZE	8526YGCB	P250	143	--	--	103	--	--	--	77	16	27.3	11	56	112	
RENZE	9365YGCB/RR	P250	136	--	--	98	--	--	--	77	16	25.6	0	58	106	
CROPLAN GEN.	691Bt	C	142	--	--	103	--	--	--	77	17	25.6	0	57	101	
GARST	8451RR	C	148	--	--	107	--	--	--	77	17	25.7	3	57	103	
NK	N76-M5	C	146	--	--	105	--	--	--	77	17	27.1	1	56	107	
RENZE	9526YGCB/RR	P250	143	--	--	103	--	--	--	77	17	24.4	4	56	111	
DEKALB	DKC63-81RR/YG	P250	143	193	168	103	106	72	15	77	18	25.9	0	60	101	
KRUGER	K-9115RR/YGCB	P250	149	--	--	107	--	--	--	77	18	26.7	1	58	106	
NC+	5433RB	P250	131	--	--	94	--	--	--	77	18	25.2	0	58	106	
PIONEER	33K39	P1250	143	--	--	103	--	--	--	77	18	24.5	0	60	108	
RENZE	8454YGCB	P250	138	188	163	100	103	72	15	77	18	24.8	0	57	106	
RENZE	9454YGCB/RR	P250	139	--	--	100	--	--	--	77	18	25.2	0	58	108	
MYCOGEN	2T801	C	137	--	--	99	--	--	--	77	19	26.8	0	58	107	
KRUGER	K-9111YGCB	P250	116	184	150	84	101	73	12	78	14	26.4	0	58	104	
PFISTER	2730Bt	P1250	145	--	--	105	--	--	--	78	15	25.0	1	56	104	
AGSOURCE	7883YGCB	C125	142	--	--	103	--	--	--	78	16	26.3	4	56	113	
HAWKEYE	316Bt	P250	153	189	171	111	104	74	15	78	16	26.7	0	56	110	
KRUGER	K-8414HX	P250	149	--	--	108	--	--	--	78	16	26.9	1	58	114	
KRUGER	K-9313YGCB	P250	160	--	--	116	--	--	--	78	16	27.6	0	56	104	
LEWIS	7044YGCB		147	180	164	107	99	72	15	78	16	26.6	8	56	111	
MIDLAND	MG7B63Hx	P250	143	--	--	104	--	--	--	78	16	26.5	1	58	108	
PFISTER	3356RRBt	P1250	155	--	--	112	--	--	--	78	16	27.1	4	56	113	
RENZE	8386YGCB	P250	137	--	--	99	--	--	--	78	16	27.6	0	59	101	
AGSOURCE	x56115	P250	126	--	--	91	--	--	--	78	17	26.9	0	60	110	
CROPLAN GEN.	731Hx	C	138	199	169	100	110	73	15	78	17	25.7	0	58	107	
KRUGER	K-2517RR/YGCB	P250	145	--	--	104	--	--	--	78	17	26.9	0	56	113	
KRUGER	K-5514YGCB	P250	125	--	--	90	--	--	--	78	17	25.4	3	58	97	
LEWIS	7226RR		134	--	--	97	--	--	--	78	17	26.2	1	60	112	
MYCOGEN	2T780	C	148	--	--	107	--	--	--	78	17	27.4	3	57	110	
NC+	5555HL	LHB	143	--	--	104	--	--	--	78	17	26.0	0	58	110	
TAYLOR	EXPC-113A	P250	128	--	--	93	--	--	--	78	18	27.7	4	58	108	
AGSOURCE	6273YGCB	C125	136	199	168	99	110	73	16	78	19	24.8	0	60	98	
AGSOURCE	x51118	P250	128	--	--	93	--	--	--	79	17	25.6	0	60	109	
MIDLAND	MG7A28Bt	C	148	190	169	107	105	74	15	79	17	24.4	0	55	111	
PIONEER	33R78	P1250	144	191	167	104	105	76	16	81	19	25.1	0	57	115	
TRIUMPH	1866Bt	P250	125	--	--	91	--	--	--	81	19	26.6	6	58	113	
MATURITY CHECK FULL - M798			117	166	141	84	91	76	17	81	21	25.2	16	57	114	
AVERAGES			138	182	160	138	182	72	14	77	16	26.2	2	57	107	
CV (%)			8	6	--	8	6	--	--	1	4	5.0	243	1	3	
LSD (0.05)**			16	15	--	11	8	--	--	2	1	1.8	6	1	5	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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

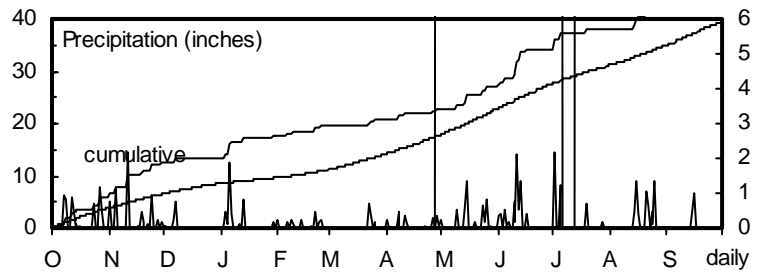
Crete silt loam; Soybean in 2004

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

Planted on 4/28/2005; Harvested on 10/6/2005

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

Planting was delayed by wet conditions. Good stands and early growth. Dry conditions during pollination in late June and early July caused sufficient stress to reduce yields.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	20.7	14.1	44	43	136	123
April	2.2	3.7	56	57	296	283
May	4.4	5.0	64	65	491	479
June	6.7	4.8	75	74	739	711
July	4.2	3.6	78	80	812	832
August	5.9	3.8	79	79	820	817
Sept.	1.6	4.5	75	71	699	633
Totals:	45.7	39.4	58	57	3,993	3,878

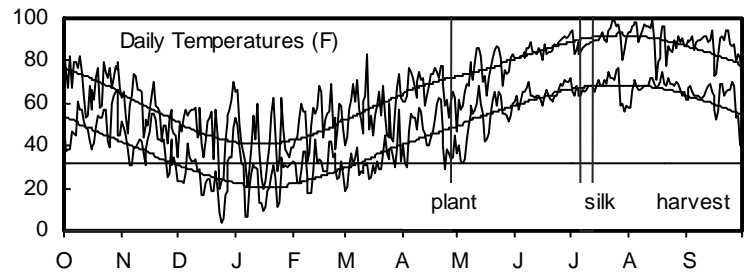


Table 4. Belleville Dryland Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		% of test average		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2005	2004	Silk	%	Silk	%					
PIONEER	35P10	P1250	87	--	--	99	--	--	--	68	15	24.4	--	60	--
MATURITY CHECK	SHRT-DKC50-20		95	--	--	109	--	--	--	69	15	24.0	--	60	--
GARST	8534YG1/RR	C	85	--	--	97	--	--	--	69	19	23.9	--	59	--
FONTANELLE	5215	P250	91	--	--	103	--	--	--	70	15	25.4	--	60	--
KRUGER	K-9212RR/YGCB	P250	88	118	103	101	93	78	16	71	19	24.0	--	58	--
MIDLAND-PHILLIP	7B15RRYGCB	P	95	--	--	108	--	--	--	71	19	24.7	--	59	--
KRUGER	K-5517YGCB	P250	87	--	--	99	--	--	--	72	19	25.1	--	56	--
KRUGER	K-9115RR/YGCB	P250	87	--	--	99	--	--	--	73	19	23.8	--	56	--
NK	N70-T9	C	91	136	113	104	107	79	14	74	15	23.1	--	56	--
MATURITY CHECK	MID-NC+4823B		90	125	108	103	99	80	14	74	16	23.3	--	58	--
CROPLAN GEN.	731Hx	C	86	135	110	98	107	80	16	74	19	24.0	--	56	--
FONTANELLE	HC-7951YGCB	P250	100	--	--	114	--	--	--	74	19	24.5	--	59	--
FONTANELLE	HC-8H911	P250	83	--	--	95	--	--	--	74	19	24.0	--	56	--
KRUGER	K-0614A	P250	94	--	--	107	--	--	--	74	19	23.3	--	57	--
KRUGER	K-5416YGCB	P250	84	--	--	96	--	--	--	74	19	24.9	--	56	--
KRUGER	K-5514YGCB	P250	82	--	--	94	--	--	--	74	19	24.1	--	56	--
KRUGER	K-9313YGCB	P250	90	--	--	103	--	--	--	74	19	23.7	--	59	--
LEWIS	7044YGCB		78	124	101	89	98	80	17	74	19	25.0	--	55	--
MATURITY CHECK	FULL - M798		87	114	100	99	90	80	16	74	19	24.2	--	55	--
MIDLAND-PHILLIP	7B13RRYGCB	P	86	--	--	98	--	--	--	74	19	24.7	--	57	--
MYCOGEN	2P781	C	93	--	--	106	--	--	--	74	19	24.9	--	56	--
NC+	4492BC	P250	85	--	--	97	--	--	--	74	19	22.4	--	57	--

(continued)

Table 4. Belleville Dryland Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD					2004-2005		2005					
			bushels/acre			% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004								
NC+	4826RB	P250	88	--	--	100	--	--	--	74	19	25.8	--	56	--
PFISTER	2656BtRR	P1250	88	--	--	100	--	--	--	74	19	25.7	--	56	--
PFISTER	3356RRBt	P1250	89	--	--	101	--	--	--	74	19	23.6	--	58	--
PIONEER	34P88	P1250	85	--	--	97	--	--	--	74	19	23.6	--	56	--
CROPLAN GEN.	691Bt	C	85	--	--	97	--	--	--	74	20	24.7	--	56	--
GARST	8566YG1	C	92	131	112	105	104	79	15	75	17	24.7	--	59	--
KRUGER	K-9111YGCB	P250	84	134	109	96	106	80	15	75	17	24.7	--	58	--
MYCOGEN	2E762	C	82	132	107	94	104	81	15	75	17	25.0	--	56	--
CROPLAN GEN.	663Bt	C	97	--	--	111	--	--	--	75	19	24.0	--	56	--
FONTANELLE	HC-7931YGCB	P250	80	--	--	92	--	--	--	75	19	25.3	--	56	--
FONTANELLE	HC-8B436	P250	88	--	--	100	--	--	--	75	19	24.0	--	56	--
KRUGER	K-2517RR/YGCB	P250	84	--	--	96	--	--	--	75	19	23.6	--	55	--
KRUGER	K-5313YGCB	P250	87	--	--	99	--	--	--	75	19	24.2	--	56	--
KRUGER	K-8414HX	P250	86	--	--	98	--	--	--	75	19	24.4	--	56	--
KRUGER	K-8614HX	P250	90	--	--	103	--	--	--	75	19	24.0	--	56	--
LEWIS	7226RR		85	--	--	97	--	--	--	75	19	24.8	--	56	--
NK	N65-M7	C	83	129	106	95	102	80	16	75	19	24.2	--	57	--
PFISTER	2730Bt	P1250	89	--	--	102	--	--	--	75	19	25.3	--	56	--
PIONEER	35D28	P1250	87	--	--	99	--	--	--	75	19	25.3	--	55	--
AVERAGES			88	127	107	88	127	80	16	74	19	24.3	--	57	--
CV (%)			8	4	--	8	4	--	--	1	1	5.6	--	1	--
LSD (0.05)**			10	7	--	12	6	--	--	1	--	1.9	--	1	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

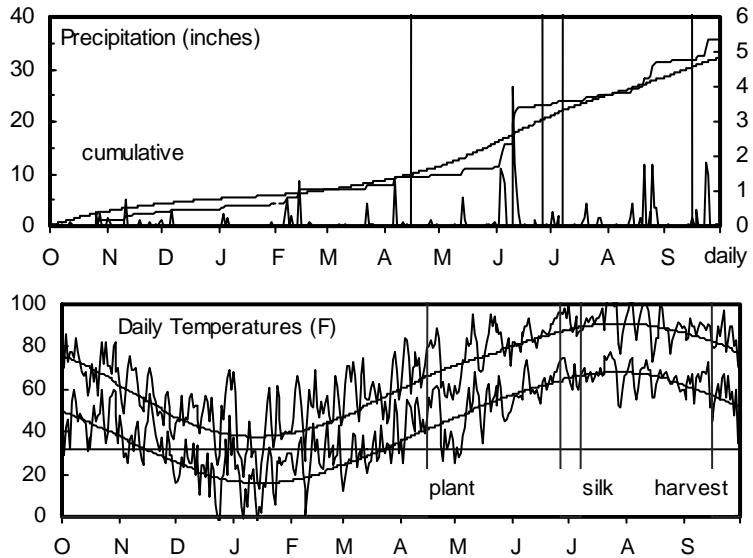
Reading silt loam; Soybean in 2004

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

Planted on 4/16/2005; Harvested on 9/14/2005

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

Freezes on April 31 and May 2 burned off the top 2" of leaves. Plants recovered slowly under dry conditions. Good rainfall in June caused excellent vegetative growth, but dry conditions in late July and August resulted in small kernels. Weed control was excellent. Little disease or insect damage.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	7.9	8.7	42	39	161	57
April	1.8	2.6	58	53	341	237
May	1.5	4.5	65	64	513	441
June	11.8	5.1	76	73	727	685
July	2.3	4.0	79	79	809	823
August	6.2	3.5	78	78	777	801
Sept.	4.4	3.8	73	70	649	587
Totals:	35.8	32.2	57	54	3,975	3,628

Table 5. Manhattan Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.			
			2005	2004									2-Yr. average	% of test	
MATURITY CHECK	SHRT-DKC50-20		121	--	--	105	--	--	71	11	25.7	--	55	--	
DEKALB	DKC61-72RR2	P250	110	--	--	96	--	--	73	12	27.2	--	56	--	
KRUGER	K-5313YGCB	P250	129	--	--	113	--	--	74	11	25.7	--	54	--	
AGSOURCE	5973YGCB	P250	108	--	--	94	--	--	74	12	24.8	--	57	--	
ASGROW	RX752RR/YGCB	P250	122	222	172	106	109	74	15	74	12	25.2	--	56	--
CROPLAN GEN.	663Bt	C	102	--	--	89	--	--	74	12	27.1	--	57	--	
RENZE	6406	P250	100	--	--	87	--	--	74	12	24.8	--	57	--	
DEKALB	DKC63-81RR/YG	P250	106	--	--	93	--	--	75	12	27.6	--	58	--	
KRUGER	K-0614A	P250	107	--	--	93	--	--	75	12	26.9	--	58	--	
KRUGER	K-8614HX	P250	109	--	--	95	--	--	75	13	26.9	--	55	--	
GARST	8566YG1	C	127	--	--	111	--	--	76	11	26.3	--	54	--	
MATURITY CHECK	MID-NC+4823B		108	215	161	94	106	75	14	76	11	25.4	--	56	--
ASGROW	RX715RR2	P250	116	--	--	102	--	--	76	12	26.8	--	56	--	
KAYSTAR	KX-8615Bt	C	129	204	166	112	100	75	14	76	12	26.2	--	57	--
KRUGER	K-9212RR/YGCB	P250	98	215	156	86	106	76	14	76	12	27.0	--	56	--
RENZE	8386YGCB	P250	112	--	--	98	--	--	76	12	25.7	--	57	--	
RENZE	9365YGCB/RR	P250	127	--	--	111	--	--	76	12	25.7	--	57	--	
KRUGER	K-9115RR/YGCB	P250	124	--	--	108	--	--	76	13	25.7	--	57	--	
KRUGER	K-9313YGCB	P250	125	--	--	109	--	--	77	11	24.8	--	55	--	
KRUGER	K-5416YGCB	P250	120	--	--	104	--	--	77	12	26.3	--	56	--	
LEWIS	7044YGCB		126	208	167	110	103	77	16	77	12	26.2	--	55	--

(continued)

Table 5. Manhattan Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
PFISTER	2730Bt	P1250	98	--	--	86	--	--	--	77	12	22.0	--	55	--	
MIDLAND-PHILLIP	7B13RRYGCB	P	133	--	--	116	--	--	--	78	11	27.7	--	55	--	
CROPLAN GEN.	691Bt	C	111	--	--	97	--	--	--	78	12	25.3	--	55	--	
GARST	8377YG1/RR	C	112	--	--	98	--	--	--	78	12	26.3	--	57	--	
KRUGER	K-5514YGCB	P250	103	--	--	90	--	--	--	78	12	25.8	--	57	--	
MYCOGEN	2A812	C	115	202	159	101	99	77	15	78	12	27.8	--	55	--	
PFISTER	2656BtRR	P1250	117	--	--	102	--	--	--	78	12	26.8	--	56	--	
RENZE	8454YGCB	P250	113	226	169	98	111	77	15	78	12	26.1	--	56	--	
MIDLAND-PHILLIP	7B15RRYGCB	P	112	--	--	98	--	--	--	78	13	26.5	--	57	--	
PRODUCERS	7371YGCB	C	105	--	--	92	--	--	--	78	13	25.7	--	57	--	
PRODUCERS	7373YGCBBRR	C	121	215	168	106	106	77	15	78	13	25.9	--	57	--	
AGSOURCE	6273YGCB	C125	114	--	--	100	--	--	--	78	15	24.0	--	61	--	
KRUGER	K-9111YGCB	P250	118	191	154	103	94	78	13	79	12	26.8	--	55	--	
MYCOGEN	2T801	C	121	--	--	106	--	--	--	79	12	26.1	--	57	--	
KAYSTAR	X-5121Bt	C	108	--	--	94	--	--	--	79	13	22.4	--	58	--	
PIONEER	33K39	P1250	116	--	--	102	--	--	--	79	13	24.4	--	59	--	
KRUGER	K-8414HX	P250	116	--	--	102	--	--	--	80	12	27.1	--	55	--	
GARST	8225YG1/RR	C	106	--	--	92	--	--	--	80	13	26.6	--	57	--	
PIONEER	33R78	P1250	104	221	163	91	109	80	16	80	13	25.3	--	56	--	
KAYSTAR	KX-898	C	114	--	--	99	--	--	--	81	12	23.6	--	57	--	
KRUGER	K-5517YGCB	P250	121	--	--	106	--	--	--	81	12	25.9	--	55	--	
PFISTER	3356RRBt	P1250	117	--	--	102	--	--	--	81	13	26.0	--	55	--	
CROPLAN GEN.	731Hx	C	133	203	168	116	100	80	15	82	12	26.1	--	55	--	
MYCOGEN	2T780	C	125	214	169	109	105	80	15	82	12	26.2	--	56	--	
RENZE	8526YGCB	P250	122	--	--	106	--	--	--	82	12	26.8	--	56	--	
RENZE	9526YGCB/RR	P250	109	--	--	95	--	--	--	82	12	24.9	--	56	--	
KRUGER	K-2517RR/YGCB	P250	129	--	--	113	--	--	--	82	13	26.1	--	55	--	
LEWIS	7226RR		101	--	--	88	--	--	--	82	13	25.0	--	59	--	
MATURITY CHECK FULL - M798			87	198	142	76	97	81	16	82	14	25.2	--	57	--	
	AVERAGES		115	203	159	115	203	77	15	78	12	25.9	--	56	--	
	CV (%)		14	6	--	14	6	--	--	2	5	6.4	--	1	--	
	LSD (0.05)**		23	16	--	20	8	--	--	2	1	2.3	--	1	--	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Table 6. NORTHEAST Kansas corn hybrid yield summary (% of test average), 2005.

BRAND/NAME	SEV*	CEN	BEL	MAN	AVG.	BRAND/NAME	SEV	CEN	BEL	MAN	AVG.
AGSOURCE						MG7B13BtRR	99	100	--	--	--
5783	105	103	--	--	--	MG7B63Hx	89	104	--	--	--
5973YGCB	105	96	--	94	--	MIDLAND-PHILLIPS					
6150	96	--	--	--	--	7B13RRYGCB	--	--	98	116	--
6153Hx	108	101	--	--	--	7B15RRYGCB	--	--	108	98	--
6273YGCB	88	99	--	100	--	MYCOGEN					
6293HX	--	91	--	--	--	2A812	101	89	--	101	--
6696YGCBBRR	103	103	--	--	--	2E762	--	--	94	--	--
6746CBRR	99	--	--	--	--	2P781	--	--	106	--	--
7243YGCB	100	--	--	--	--	2T780	97	107	--	109	--
7793HX	108	--	--	--	--	2T801	91	99	--	106	--
7883YGCB	109	103	--	--	--	NC+					
x51118	--	93	--	--	--	4492BC	--	--	97	--	--
X55314	105	--	--	--	--	4826RB	--	--	100	--	--
x56115	101	91	--	--	--	5381	104	--	--	--	--
ASGROW						5433RB	98	94	--	--	--
RX715RR2	--	89	--	102	--	5555HL	98	104	--	--	--
RX752RR/YGCB	--	102	--	106	--	NK					
CROPLAN GEN.						N65-M7	--	93	95	--	--
663Bt	103	97	111	89	100	N70-T9	92	91	104	--	--
691Bt	94	103	97	97	98	N76-D3	106	--	--	--	--
731Hx	95	100	98	116	102	N76-M5	95	105	--	--	--
DEKALB						PFISTER					
DKC61-72RR2	--	97	--	96	--	2656BtRR	99	100	100	102	100
DKC63-81RR/YGCB	--	103	--	93	--	2730Bt	102	105	102	86	99
FONTANELLE						3356RRBt	101	112	101	102	104
5215	--	--	103	--	--	PHILLIPS					
HC-7931YGCB	--	--	92	--	--	7B15RRYGCB	--	99	--	--	--
HC-7951YGCB	--	--	114	--	--	PIONEER					
HC-8B436	--	--	100	--	--	33K39	102	103	--	102	--
HC-8H911	--	--	95	--	--	33R78	110	104	--	91	--
GARST						34P88	99	98	97	--	--
8225YG1/RR	--	--	--	92	--	35D28	--	--	99	--	--
8377YG1/RR	101	--	--	98	--	35P10	--	--	99	--	--
8451RR	--	107	--	--	--	PRODUCERS					
8534YG1/RR	--	95	97	--	--	7371YGCB	98	--	--	92	--
8566YG1	100	105	105	111	105	7373YGCBBRR	99	--	--	106	--
HAWKEYE						RENZE					
316Bt	112	111	--	--	--	6375	99	104	--	--	--
KAYSTAR						6406	96	95	--	87	--
KX-8615Bt	--	--	--	112	--	8386YGCB	105	99	--	98	--
KX-898	--	--	--	99	--	8454YGCB	101	100	--	98	--
X-5121Bt	--	--	--	94	--	8526YGCB	113	103	--	106	--
KRUGER						9365YGCB/RR	105	98	--	111	--
K-0614A	98	--	107	93	--	9454YGCB/RR	95	100	--	--	--
K-2517RR/YGCB	104	104	96	113	104	9526YGCB/RR	104	103	--	95	--
K-5313YGCB	101	100	99	113	103	STINE					
K-5416YGCB	104	93	96	104	100	9803YGCB	85	--	--	--	--
K-5514YGCB	106	90	94	90	95	9804YGCB	95	--	--	--	--
K-5517YGCB	106	107	99	106	104	TAYLOR					
K-8414HX	102	108	98	102	102	EXPC-113A	--	93	--	--	--
K-8614HX	94	--	103	95	--	TRIUMPH					
K-9111YGCB	97	84	96	103	95	1416Bt	99	--	--	--	--
K-9115RR/YGCB	98	107	99	108	103	1536CBRR	96	--	--	--	--
K-9212RR/YGCB	98	101	101	86	96	1866Bt	--	91	--	--	--
K-9313YGCB	102	116	103	109	108	MATURITY CHECK					
LEWIS						FULL - M798	88	84	99	76	87
7044YGCB	115	107	89	110	105	MID-NC+4823B	99	102	103	94	100
7226RR	102	97	97	88	96	SHRT-DKC50-20	96	97	109	105	102
MIDLAND						AVERAGES (bu/a)	168	138	88	115	127
MG7A15Bt	93	--	--	--	--	CV (%)	7	8	8	14	--
MG7A28Bt	92	107	--	--	--	LSD (0.05)	9	11	12	20	--
MG7A53Bt	103	105	--	--	--						

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

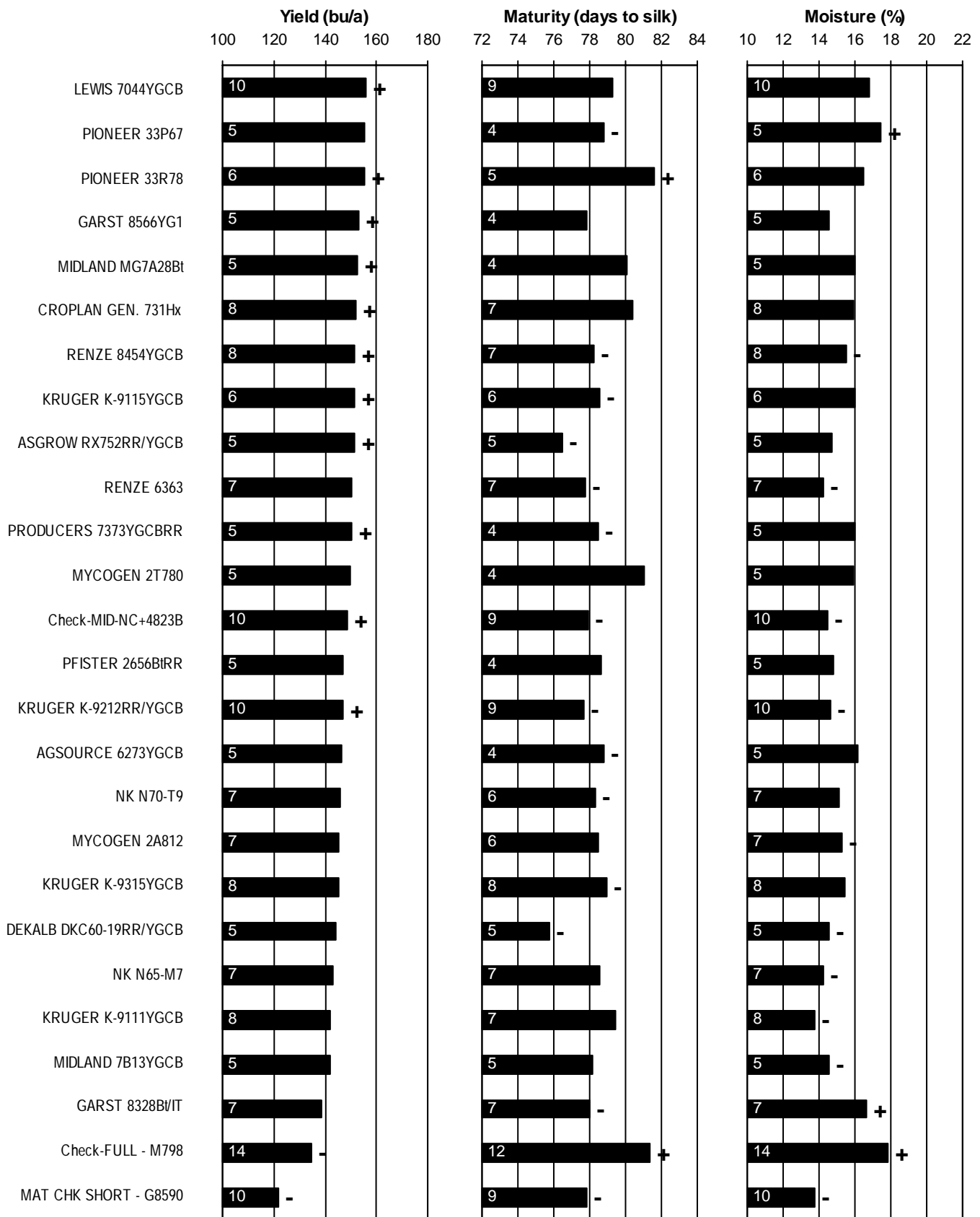


Figure 4. NORTHEAST Kansas corn hybrid standardized performance summary, 2001-2005.

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

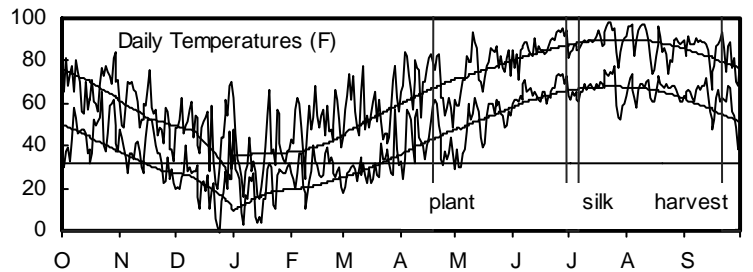
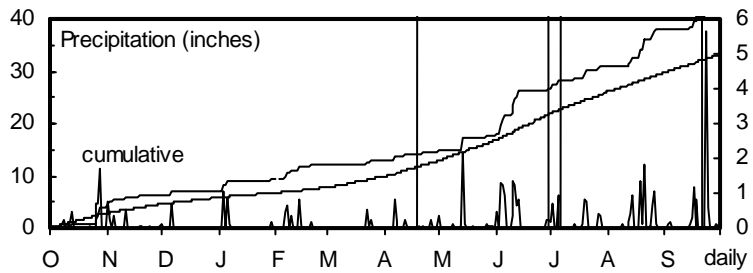
Eudora silt loam; Soybean in 2004

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

Planted on 4/19/2005; Harvested on 9/20/2005

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

Several heavy rains in late May and early June seem to have leached fertilizer N from the soil profile, especially in areas with a coarser subsoil. This loss of N probably reduced yields from what they would have been with adequate N.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	12.9	9.8	42	38	134	50
April	2.0	3.0	56	54	325	236
May	2.7	3.9	65	64	501	444
June	9.1	5.1	76	73	756	698
July	4.3	4.1	78	78	802	827
August	6.8	3.7	77	77	784	802
Sept.	9.1	3.5	72	69	646	571
Totals:	46.9	33.1	56	54	3,948	3,627

Table 7. Topeka Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test average	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.		
			2005	2004										2-Yr. AVG.	2005
MATURITY CHECK	SHRT-DKC50-20		146	--	--	81	--	--	--	76	14	26.7	--	55	--
STINE	9703YGCB	P250	154	--	--	86	--	--	--	76	15	24.8	--	56	--
DEKALB	DKC61-72RR2	P250	206	--	--	114	--	--	--	77	15	27.6	--	56	--
MYCOGEN	2P682	C	164	--	--	91	--	--	--	78	14	25.9	--	53	--
RENZE	8454YGCB	P250	201	246	223	112	103	76	16	78	15	25.5	--	56	--
KRUGER	K-0614A	P250	155	--	--	86	--	--	--	78	16	24.0	--	55	--
RENZE	6406	P250	142	--	--	79	--	--	--	78	16	24.7	--	55	--
KRUGER	K-9313YGCB	P250	190	--	--	105	--	--	--	79	14	26.8	--	55	--
AGSOURCE	5973YGCB	P250	158	--	--	87	--	--	--	79	15	25.6	--	56	--
CROPLAN GEN.	691Bt	C	208	--	--	115	--	--	--	79	15	25.1	--	55	--
KRUGER	K-5416YGCB	P250	155	--	--	86	--	--	--	79	15	23.4	--	55	--
KRUGER	K-9115RR/YGCB	P250	174	--	--	97	--	--	--	79	15	26.3	--	55	--
MIDLAND	MG7A15Bt	C	199	233	216	110	98	77	16	79	15	25.5	--	56	--
PRODUCERS	7371YGCB	C	178	--	--	99	--	--	--	79	15	25.2	--	56	--
ASGROW	RX752RR/YGCB	P250	173	235	204	96	98	76	17	79	16	26.4	--	55	--
CROPLAN GEN.	663Bt	C	149	--	--	83	--	--	--	79	16	27.3	--	55	--
MYCOGEN	2T801	C	163	248	205	90	104	77	17	79	16	26.0	--	55	--
STINE	9803YGCB	P250	176	245	211	98	103	77	17	79	16	23.5	--	56	--
KRUGER	K-5514YGCB	P250	171	--	--	95	--	--	--	80	14	25.6	--	55	--
PFISTER	2656BtRR	P1250	191	--	--	106	--	--	--	80	14	26.9	--	56	--
DYNA-GRO	57F70	P	168	--	--	93	--	--	--	80	15	24.7	--	56	--
DYNA-GRO	CXO4512	P	172	--	--	95	--	--	--	80	15	26.0	--	56	--
GARST	8275YG1	C	195	--	--	108	--	--	--	80	15	26.6	--	55	--
KRUGER	K-5313YGCB	P250	182	--	--	101	--	--	--	80	15	25.2	--	54	--
KRUGER	K-5617YGCB	P250	204	--	--	113	--	--	--	80	15	25.9	--	56	--
KRUGER	K-8614HX	P250	166	--	--	92	--	--	--	80	15	24.1	--	55	--
KRUGER	K-9111YGCB	P250	156	247	202	87	103	78	15	80	15	26.7	--	55	--

(continued)

Table 7. Topeka Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	average 2005 2004									
MATURITY CHECK	MID-NC+4823B		191	230	210	106	96	78	16	80	15	26.3	--	56	--
MIDLAND	MG7B13BtRR	P250	184	--	--	102	--	--	--	80	15	25.2	--	55	--
MIDLAND	MG7B63Hx	P250	196	--	--	109	--	--	--	80	15	25.2	--	55	--
RENZE	8394YGCB	P250	182	260	221	101	109	78	16	80	15	26.5	--	55	--
DYNA-GRO	57P12	P	201	--	--	111	--	--	--	80	16	25.5	--	55	--
KRUGER	K-2517RR/YGCB	P250	182	--	--	101	--	--	--	80	16	26.0	--	54	--
KRUGER	K-5517YGCB	P250	180	--	--	100	--	--	--	80	16	26.2	--	55	--
KRUGER	K-9212RR/YGCB	P250	165	231	198	92	97	77	17	80	16	26.7	--	55	--
MYCOGEN	2T780	C	188	275	231	104	115	78	17	80	16	28.8	--	55	--
NC+	5433RB	P250	210	233	221	116	97	78	17	80	16	26.1	--	56	--
NC+	5555HL	LHB	200	--	--	111	--	--	--	80	16	25.9	--	54	--
NK	N72-J5	C	160	235	198	89	99	77	16	80	16	26.8	--	55	--
PHILLIPS	7B15RRYGCB	P	186	--	--	103	--	--	--	80	16	24.7	--	56	--
PIONEER	33B54	P1250	123	--	--	68	--	--	--	80	16	23.3	--	54	--
AGSOURCE	X55314	P250	174	--	--	97	--	--	--	80	17	26.3	--	56	--
GARST	8225YG1/RR	C	186	--	--	103	--	--	--	80	17	26.4	--	55	--
AGSOURCE	x51118	P250	157	--	--	87	--	--	--	81	15	25.7	--	57	--
CROPLAN GEN.	731Hx	C	212	285	249	117	119	79	17	81	15	26.1	--	55	--
KRUGER	K-8414HX	P250	206	--	--	114	--	--	--	81	15	25.4	--	54	--
NK	N76-H2	C	187	239	213	104	100	78	17	81	15	24.9	--	55	--
PFISTER	2730Bt	P1250	196	--	--	109	--	--	--	81	15	26.8	--	54	--
PRODUCERS	7373YGCBRR	C	193	258	225	107	108	77	16	81	15	26.0	--	56	--
RENZE	8386YGCB	P250	169	--	--	94	--	--	--	81	15	27.7	--	55	--
TAYLOR	EXPC-115Bt	P250	167	--	--	93	--	--	--	81	15	26.2	--	55	--
AGSOURCE	6696YGCBRR	C125	181	--	--	100	--	--	--	81	16	24.8	--	55	--
DEKALB	DKC63-81RR/YG	P250	171	241	206	95	101	77	17	81	16	26.2	--	57	--
GARST	8377YG1/RR	C	185	257	221	103	108	78	17	81	16	26.7	--	55	--
GOLDEN ACRES	2831RRB	P250	185	--	--	102	--	--	--	81	16	25.2	--	56	--
KRUGER	K-5616YGCB	P250	173	--	--	96	--	--	--	81	16	26.2	--	57	--
LEWIS	7044YGCB		168	250	209	93	105	79	18	81	16	25.5	--	54	--
LEWIS	7226RR		200	--	--	111	--	--	--	81	16	25.5	--	57	--
AGSOURCE	x56115	P250	188	--	--	104	--	--	--	81	17	25.6	--	56	--
RENZE	9526YGCB/RR	P250	171	--	--	95	--	--	--	81	17	26.2	--	54	--
DEKALB	DKC63-62RR2	P250	178	--	--	99	--	--	--	82	16	26.5	--	56	--
KRUGER	K-0617A	P250	154	--	--	86	--	--	--	82	16	25.4	--	57	--
MATURITY CHECK	FULL - M798		174	246	210	96	103	81	18	82	16	25.1	--	56	--
MIDLAND	MG7A28Bt	C	214	268	241	119	112	80	17	82	16	25.4	--	54	--
PHILLIPS	7A29RRYGCB	P	193	--	--	107	--	--	--	82	16	26.0	--	55	--
PIONEER	32B29	P1250	198	--	--	110	--	--	--	82	16	26.4	--	56	--
RENZE	8526YGCB	P250	196	--	--	108	--	--	--	82	16	25.9	--	55	--
PFISTER	3356RRBt	P1250	191	--	--	106	--	--	--	82	17	24.9	--	55	--
KRUGER	K-0516	P250	201	--	--	111	--	--	--	83	16	27.8	--	56	--
PIONEER	33R78	P1250	206	264	235	114	110	81	17	83	16	26.8	--	54	--
PHILLIPS	758RR	P	179	--	--	99	--	--	--	84	16	26.9	--	55	--
GOLDEN ACRES	2841RRB	P250	165	--	--	92	--	--	--	84	17	26.5	--	54	--
TAYLOR	EXPF-116Hx	P250	202	--	--	112	--	--	--	84	18	26.1	--	53	--
	AVERAGES		180	239	210	180	239	78	17	80	16	25.9	--	55	--
	CV (%)		12	8	--	12	8	--	--	2	7	5.8	--	1	--
	LSD (0.05)**		29	26	--	16	11	--	--	2	1	2.1	--	1	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TEST ON SANDY LOAM SOIL

Private farm near Clay Center; Mark Taddiken, cooperator

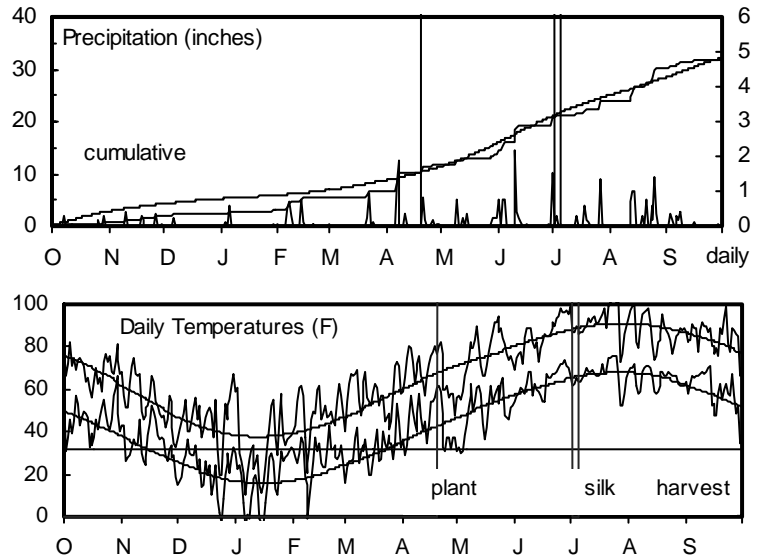
Muir silt loam; Soybean in 2004

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

Planted on 4/20/2005; Harvested on 10/4/2005

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

Excellent early-season growth. No evident disease or insect problems. Lodging was extensive for some hybrids, likely due to Fusarium stalk rot. Irrigation pump problems from June 26 to July 8 may have introduced some stress during the critical period of stalk elongation, which predisposed the plants for Fusarium infection.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	6.9	8.7	41	39	133	57
April	4.9	2.6	56	53	304	237
May	2.2	4.5	64	64	472	441
June	7.0	5.1	75	73	705	685
July	2.9	4.0	79	79	805	823
August	6.3	3.5	77	78	767	801
Sept.	1.6	3.8	72	70	636	587
Totals:	31.7	32.2	56	54	3,822	3,628

Table 8. Clay Center Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	2005	2004								
MATURITY CHECK	SHRT-DKC50-20		226	--	--	89	--	--	--	72	14	32.8	2	60	98
MYCOGEN	2P682	C	242	--	--	96	--	--	--	72	14	32.8	4	60	104
STINE	9804YGCB	P250	250	198	224	99	94	--	16	72	16	32.7	6	60	103
CROPLAN GEN.	663Bt	C	257	--	--	102	--	--	--	73	15	34.2	1	61	106
FONTANELLE	HC-8N422	P250	245	230	238	97	109	--	15	73	15	32.7	26	60	113
GOLDEN ACRES	2831RRB	P250	254	--	--	100	--	--	--	73	15	32.7	7	60	113
KAYSTAR	KX-8615Bt	C	249	213	231	99	101	--	15	73	15	33.1	30	60	114
KAYSTAR	KX-898	C	244	--	--	96	--	--	--	73	15	29.1	17	60	113
KRUGER	K-0614A	P250	245	--	--	97	--	--	--	73	15	33.8	2	61	103
KRUGER	K-9115RR/YGCB	P250	266	--	--	105	--	--	--	73	15	32.5	6	60	113
KRUGER	K-9212RR/YGCB	P250	258	231	244	102	109	--	15	73	15	34.7	19	61	112
PFISTER	2656BtRR	P1250	254	--	--	101	--	--	--	73	15	33.1	24	60	113
RENZE	6406	P250	243	--	--	96	--	--	--	73	15	31.7	1	61	103
RENZE	8454YGCB	P250	278	217	248	110	103	--	15	73	15	34.4	5	61	113
RENZE	9365YGCB/RR	P250	260	--	--	103	--	--	--	73	15	33.2	11	61	112
TRIUMPH	1536CBRR	P250	246	--	--	97	--	--	--	73	15	33.5	5	61	113
TRIUMPH	TRX5603CBRR	P250	246	--	--	97	--	--	--	73	15	29.6	18	60	110
GARST	8275YG1	C	246	--	--	97	--	--	--	73	16	31.9	30	60	113
GARST	8377YG1/RR	C	261	--	--	103	--	--	--	73	16	32.8	6	61	114
KRUGER	K-2517RR/YGCB	P250	245	--	--	97	--	--	--	73	16	34.7	25	60	116
MIDLAND-PHILLIP	7A29RRYGCB	P	245	--	--	97	--	--	--	73	16	32.4	21	60	113
PREMIUM	P252		270	--	--	107	--	--	--	73	16	33.6	6	63	116
RENZE	8386YGCB	P250	273	--	--	108	--	--	--	73	16	33.7	4	61	106
STINE	9803YGCB	P250	240	211	225	95	100	--	16	73	16	31.6	6	62	105

(continued)

Table 8. Clay Center Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
PIONEER	33R78	P1250	286	209	248	113	99	--	17	73	17	31.6	3	59	125	
KRUGER	K-5313YGCB	P250	243	--	--	96	--	--	--	74	14	32.7	7	59	113	
KRUGER	K-9111YGCB	P250	251	214	232	99	101	--	15	74	14	33.3	8	60	105	
AGSOURCE	6696YGCBRR	C125	253	--	--	100	--	--	--	74	15	32.3	16	60	117	
CROPLAN GEN.	691Bt	C	245	--	--	97	--	--	--	74	15	32.1	6	60	107	
FONTANELLE	HC-7931YGCB	P250	251	227	239	99	108	--	15	74	15	32.3	26	58	114	
FONTANELLE	HC-7951YGCB	P250	267	208	238	106	98	--	15	74	15	32.3	7	61	111	
FONTANELLE	HC-8B436	P250	237	--	--	94	--	--	--	74	15	30.6	10	62	105	
GOLDEN ACRES	2841RRB	P250	262	--	--	104	--	--	--	74	15	33.9	18	59	115	
KAYSTAR	X-5121Bt	C	229	--	--	91	--	--	--	74	15	30.7	22	61	112	
KRUGER	K-5514YGCB	P250	254	--	--	101	--	--	--	74	15	33.6	2	61	104	
KRUGER	K-9313YGCB	P250	253	--	--	100	--	--	--	74	15	32.5	3	60	107	
MATURITY CHECK	MID-NC+4823B		239	220	229	94	104	--	15	74	15	34.0	24	60	111	
MIDLAND-PHILLIP	712YGCB	P	261	--	--	103	--	--	--	74	15	32.6	17	60	113	
MIDLAND-PHILLIP	7B13RRYGCB	P	248	--	--	98	--	--	--	74	15	32.3	26	60	110	
MIDLAND-PHILLIP	7B15RRYGCB	P	242	--	--	96	--	--	--	74	15	31.1	10	61	110	
PFISTER	2730Bt	P1250	248	--	--	98	--	--	--	74	15	30.7	3	59	105	
AGSOURCE	X55314	P250	233	--	--	92	--	--	--	74	16	33.1	3	61	109	
AGSOURCE	x56115	P250	263	--	--	104	--	--	--	74	16	32.9	5	61	113	
CROPLAN GEN.	731Hx	C	259	225	242	102	107	--	16	74	16	33.2	22	61	112	
GARST	8225YG1/RR	C	239	--	--	95	--	--	--	74	16	32.8	24	61	112	
KRUGER	K-5416YGCB	P250	264	--	--	104	--	--	--	74	16	33.6	3	61	108	
KRUGER	K-5517YGCB	P250	262	--	--	104	--	--	--	74	16	32.4	25	59	113	
KRUGER	K-8414HX	P250	264	--	--	104	--	--	--	74	16	32.7	14	60	118	
KRUGER	K-8614HX	P250	203	--	--	80	--	--	--	74	16	30.0	2	59	113	
MYCOGEN	2T780	C	256	--	--	101	--	--	--	74	16	34.4	19	59	115	
MYCOGEN	2T801	C	260	--	--	103	--	--	--	74	16	33.6	2	61	111	
RENZE	8394YGCB	P250	270	221	246	107	105	--	16	74	16	35.1	1	61	111	
RENZE	8526YGCB	P250	253	--	--	100	--	--	--	74	16	34.0	31	60	117	
RENZE	9526YGCB/RR	P250	260	--	--	103	--	--	--	74	16	31.3	23	60	117	
AGSOURCE	x51118	P250	249	--	--	98	--	--	--	74	17	29.9	5	62	119	
GARST	8292YG1	C	268	208	238	106	99	--	17	74	17	32.4	1	62	122	
PFISTER	3356RRBt	P1250	266	--	--	105	--	--	--	74	17	33.7	22	60	116	
PIONEER	33B54	P1250	258	--	--	102	--	--	--	74	17	32.7	1	61	107	
FONTANELLE	HC-8H911	P250	263	--	--	104	--	--	--	75	16	35.7	21	60	115	
MATURITY CHECK	FULL - M798		241	207	224	95	98	--	16	75	16	32.5	10	62	118	
PIONEER	32B29	P1250	286	--	--	113	--	--	--	75	17	30.6	3	62	117	
	AVERAGES		253	211	232	253	211	--	16	74	16	32.7	12	60	112	
	CV (%)		5	7	--	5	7	--	--	2	2	4.4	61	1	4	
	LSD (0.05)**		18	20	--	7	9	--	--	2	1	2.0	10	1	6	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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

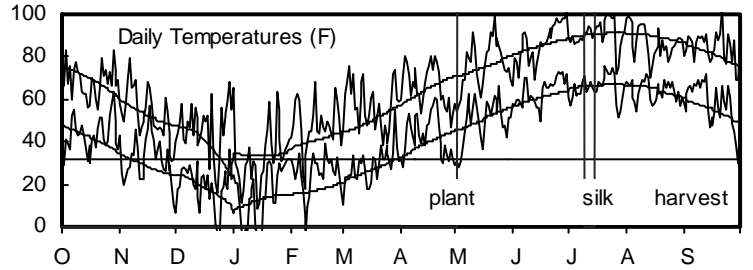
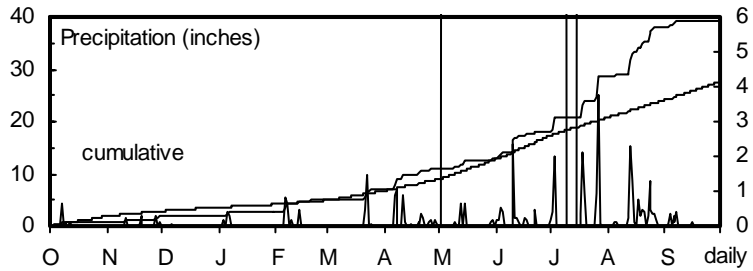
Crete silt loam; Soybean in 2004

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

Planted on 5/2/2005; Harvested on 10/25/2005

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

Spring rains delayed planting, but stands were excellent. Spring temperatures alternated between above-average and below-average periods. Ideal growing and grain filling conditions except for a dry period in late June and early July.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	6.9	6.7	39	36	130	25
April	4.2	2.3	54	52	263	217
May	1.8	3.7	63	63	454	421
June	5.3	4.6	75	73	702	679
July	10.5	3.4	78	78	788	807
August	9.4	3.4	75	77	728	780
Sept.	1.3	3.5	71	68	628	538
Totals:	39.4	27.5	54	52	3,694	3,468

Table 9. Scandia Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days Grain to Silk	Grain Moist. %	Days Grain to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. average	2005	2004								
MATURITY CHECK	SHRT-DKC50-20		202	--	--	88	--	--	--	67	14	34.7	1	61	--
CROPLAN GEN.	663Bt	C	204	--	--	89	--	--	--	68	14	33.5	1	61	--
GARST	8275YG1	C	241	--	--	105	--	--	--	68	14	33.7	4	60	--
MYCOGEN	2T801	C	234	250	242	102	104	72	16	68	14	34.0	2	62	--
DEKALB	DKC61-72RR2	P250	232	--	--	101	--	--	--	69	14	34.8	3	61	--
FONTANELLE	HC-7951YGCB	P250	238	246	242	103	102	72	16	69	14	34.3	2	61	--
GARST	8292YG1	C	250	265	257	108	110	73	16	69	14	34.7	4	60	--
KRUGER	K-5313YGCB	P250	216	--	--	94	--	--	--	69	14	34.4	1	60	--
MYCOGEN	2P682	C	226	--	--	98	--	--	--	69	14	34.2	1	60	--
NC+	5433RB	P250	230	--	--	100	--	--	--	69	14	34.8	1	61	--
PIONEER	32B29	P1250	230	--	--	100	--	--	--	69	14	34.5	3	61	--
TRIUMPH	1536CBRR	P250	232	--	--	101	--	--	--	69	14	34.7	2	61	--
KRUGER	K-8614HX	P250	203	--	--	88	--	--	--	69	15	34.6	0	60	--
KRUGER	K-9313YGCB	P250	229	--	--	99	--	--	--	69	15	33.8	2	61	--
MIDLAND-PHILLIP	7B15RRYGCB	P	233	--	--	101	--	--	--	69	15	34.2	1	61	--
PIONEER	33R78	P1250	244	280	262	106	116	73	17	69	15	34.1	2	60	--
ASGROW	RX752RR/YGCB	P250	235	238	237	102	99	72	16	70	14	34.2	2	60	--
DEKALB	DKC63-62RR2	P250	214	--	--	93	--	--	--	70	14	34.5	0	62	--
DYNA-GRO	57P93	P	232	248	240	100	103	72	15	70	14	33.4	3	61	--
GARST	8377YG1/RR	C	246	--	--	107	--	--	--	70	14	35.0	3	61	--
KRUGER	K-5616YGCB	P250	223	--	--	97	--	--	--	70	14	35.2	3	61	--
KRUGER	K-9111YGCB	P250	213	269	241	93	112	72	15	70	14	33.4	3	61	--
KRUGER	K-9212RR/YGCB	P250	229	244	236	99	101	72	15	70	14	34.2	4	61	--
PFISTER	2656BtRR	P1250	236	--	--	102	--	--	--	70	14	34.0	0	61	--
RENZE	8336YGCB	P250	220	--	--	95	--	--	--	70	14	34.9	3	60	--

(continued)

Table 9. Scandia Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
FONTANELLE	HC-8H911	P250	231	--	--	100	--	--	--	70	15	34.2	3	61	--	
GOLDEN ACRES	2831RRB	P250	235	--	--	102	--	--	--	70	15	34.7	2	61	--	
KRUGER	K-0614A	P250	212	--	--	92	--	--	--	70	15	34.5	2	61	--	
MATURITY CHECK	MID-NC+4823B		226	239	233	98	99	72	16	70	15	34.6	2	60	--	
MIDLAND-PHILLIP	7A29RRYGCB	P	244	--	--	106	--	--	--	70	15	34.8	0	61	--	
MIDLAND-PHILLIP	7B13RRYGCB	P	219	--	--	95	--	--	--	70	15	34.4	2	61	--	
NK	N76-D3	C	236	--	--	102	--	--	--	70	15	34.3	3	62	--	
PFISTER	2730Bt	P1250	234	--	--	102	--	--	--	70	15	34.2	3	60	--	
RENZE	6406	P250	218	--	--	94	--	--	--	70	15	34.3	2	61	--	
RENZE	8386YGCB	P250	237	--	--	103	--	--	--	70	15	33.7	2	61	--	
RENZE	9526YGCB/RR	P250	241	--	--	105	--	--	--	70	15	34.2	1	61	--	
LEWIS	7044YGCB		234	260	247	102	108	72	17	70	16	34.3	4	61	--	
KAYSTAR	KX-898	C	221	--	--	96	--	--	--	71	14	33.9	1	61	--	
KRUGER	K-5617YGCB	P250	231	--	--	100	--	--	--	71	14	34.1	3	61	--	
KRUGER	K-8414HX	P250	231	--	--	100	--	--	--	71	14	35.0	0	61	--	
PIONEER	33B54	P1250	232	--	--	101	--	--	--	71	14	34.1	1	62	--	
TAYLOR	EXPC-112Bt	P250	238	--	--	103	--	--	--	71	14	34.8	2	60	--	
CROPLAN GEN.	691Bt	C	230	--	--	100	--	--	--	71	15	34.6	2	60	--	
FONTANELLE	HC-7931YGCB	P250	238	250	244	103	104	73	16	71	15	34.4	1	61	--	
KAYSTAR	KX-8615Bt	C	234	252	243	102	105	71	15	71	15	34.1	1	60	--	
KRUGER	K-2517RR/YGCB	P250	236	--	--	102	--	--	--	71	15	34.9	1	61	--	
KRUGER	K-5517YGCB	P250	246	--	--	107	--	--	--	71	15	34.4	3	61	--	
KRUGER	K-9115RR/YGCB	P250	239	--	--	104	--	--	--	71	15	34.2	4	60	--	
MYCOGEN	2T780	C	242	235	238	105	98	72	16	71	15	35.0	1	61	--	
NC+	5555HL	LHB	244	--	--	106	--	--	--	71	15	34.4	1	61	--	
KAYSTAR	X-5121Bt	C	233	--	--	101	--	--	--	71	16	34.1	2	61	--	
DEKALB	DKC63-81RR/YG	P250	235	235	235	102	97	73	15	72	14	34.9	0	62	--	
KRUGER	K-5416YGCB	P250	231	--	--	100	--	--	--	72	14	34.0	1	61	--	
CROPLAN GEN.	731Hx	C	234	237	236	102	99	75	17	72	15	33.9	2	61	--	
KRUGER	K-5514YGCB	P250	217	--	--	94	--	--	--	72	15	34.6	1	60	--	
NK	N70-T9	C	237	234	235	103	97	74	17	72	15	33.9	3	61	--	
PFISTER	3356RRBt	P1250	231	--	--	100	--	--	--	72	15	34.2	1	60	--	
RENZE	8526YGCB	P250	249	--	--	108	--	--	--	72	15	34.7	3	61	--	
GOLDEN ACRES	2841RRB	P250	230	--	--	100	--	--	--	73	14	34.0	2	60	--	
MATURITY CHECK	FULL - M798		229	250	239	99	104	75	16	73	14	34.0	3	61	--	
KRUGER	K-0516	P250	232	--	--	101	--	--	--	73	15	34.2	1	61	--	
KRUGER	K-0617A	P250	209	--	--	91	--	--	--	73	15	34.0	2	61	--	
	AVERAGES		231	241	236	231	241	72	16	70	15	34.3	2	61	--	
	CV (%)		4	5	--	4	5	--	--	1	1	2.8	109	1	--	
	LSD (0.05)**		13	18	--	5	7	--	--	1	--	1.4	3	1	--	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

Table 10. NORTHEAST Kansas IRRIGATED corn hybrid yield summary (% of test avg.), 2005.

BRAND/NAME	TOP*	CLC	SCA	AVG.	BRAND/NAME	TOP	CLC	SCA	AVG.
AGSOURCE					MG7B63Hx	109	--	--	--
5973YGCB	87	--	--	--	MIDLAND-PHILLIPS				
6696YGCBR	100	100	--	--	712YGCB	--	103	--	--
x51118	87	98	--	--	7A29RRYGCB	--	97	106	--
X55314	97	92	--	--	7B13RRYGCB	--	98	95	--
x56115	104	104	--	--	7B15RRYGCB	--	96	101	--
ASGROW					MYCOGEN				
RX752RR/YGCB	96	--	102	--	2P682	91	96	98	95
CROPLAN GEN.					2T780	104	101	105	103
663Bt	83	102	89	91	2T801	90	103	102	98
691Bt	115	97	100	104	NC+				
731Hx	117	102	102	107	5433RB	116	--	100	--
DEKALB					5555HL	111	--	106	--
DKC61-72RR2	114	--	101	--	NK				
DKC63-62RR2	99	--	93	--	N70-T9	--	--	103	--
DKC63-81RR/YGCB	95	--	102	--	N72-J5	89	--	--	--
DYNA-GRO					N76-D3	--	--	102	--
57F70	93	--	--	--	N76-H2	104	--	--	--
57P12	111	--	--	--	PFISTER				
57P93	--	--	100	--	2656BtRR	106	101	102	103
CXO4512	95	--	--	--	2730Bt	109	98	102	103
FONTANELLE					3356RRBt	106	105	100	104
HC-7931YGCB	--	99	103	--	PHILLIPS				
HC-7951YGCB	--	106	103	--	758RR	99	--	--	--
HC-8B436	--	94	--	--	7A29RRYGCB	107	--	--	--
HC-8H911	--	104	100	--	7B15RRYGCB	103	--	--	--
HC-8N422	--	97	--	--	PIONEER				
GARST					32B29	110	113	100	108
8225YG1/RR	103	95	--	--	33B54	68	102	101	90
8275YG1	108	97	105	103	33R78	114	113	106	111
8292YG1	--	106	108	--	PREMIUM				
8377YG1/RR	103	103	107	104	P252	--	107	--	--
GOLDEN ACRES					PRODUCERS				
2831RRB	102	100	102	102	7371YGCB	99	--	--	--
2841RRB	92	104	100	98	7373YGCBR	107	--	--	--
KAYSTAR					RENZE				
KX-8615Bt	--	99	102	--	6406	79	96	94	90
KX-898	--	96	96	--	8336YGCB	--	--	95	--
X-5121Bt	--	91	101	--	8386YGCB	94	108	103	102
KRUGER					8394YGCB	101	107	--	--
K-0516	111	--	101	--	8454YGCB	112	110	--	--
K-0614A	86	97	92	92	8526YGCB	108	100	108	106
K-0617A	86	--	91	--	9365YGCB/RR	--	103	--	--
K-2517RR/YGCB	101	97	102	100	9526YGCB/RR	95	103	105	101
K-5313YGCB	101	96	94	97	STINE				
K-5416YGCB	86	104	100	97	9703YGCB	86	--	--	--
K-5514YGCB	95	101	94	97	9803YGCB	98	95	--	--
K-5517YGCB	100	104	107	103	9804YGCB	--	99	--	--
K-5616YGCB	96	--	97	--	TAYLOR				
K-5617YGCB	113	--	100	--	EXPC-112Bt	--	--	103	--
K-8414HX	114	104	100	106	EXPC-115Bt	93	--	--	--
K-8614HX	92	80	88	87	EXPF-116Hx	112	--	--	--
K-9111YGCB	87	99	93	93	TRIUMPH				
K-9115RR/YGCB	97	105	104	102	1536CBRR	--	97	101	--
K-9212RR/YGCB	92	102	99	98	TRX5603CBRR	--	97	--	--
K-9313YGCB	105	100	99	102	MATURITY CHECK				
LEWIS					FULL - M798	96	95	99	97
7044YGCB	93	--	102	--	MID-NC+4823B	106	94	98	99
7226RR	111	--	--	--	SHRT-DKC50-20	81	89	88	86
MIDLAND					AVERAGES (bu/a)	180	253	231	221
MG7A15Bt	110	--	--	--	CV (%)	12	5	4	--
MG7A28Bt	119	--	--	--	LSD (0.05)	16	7	5	--
MG7B13BtRR	102	--	--	--					

* TOP = Topeka, Shawnee Co.

CLC = Clay Center, Clay Co.

SCA = Scandia, Republic Co.

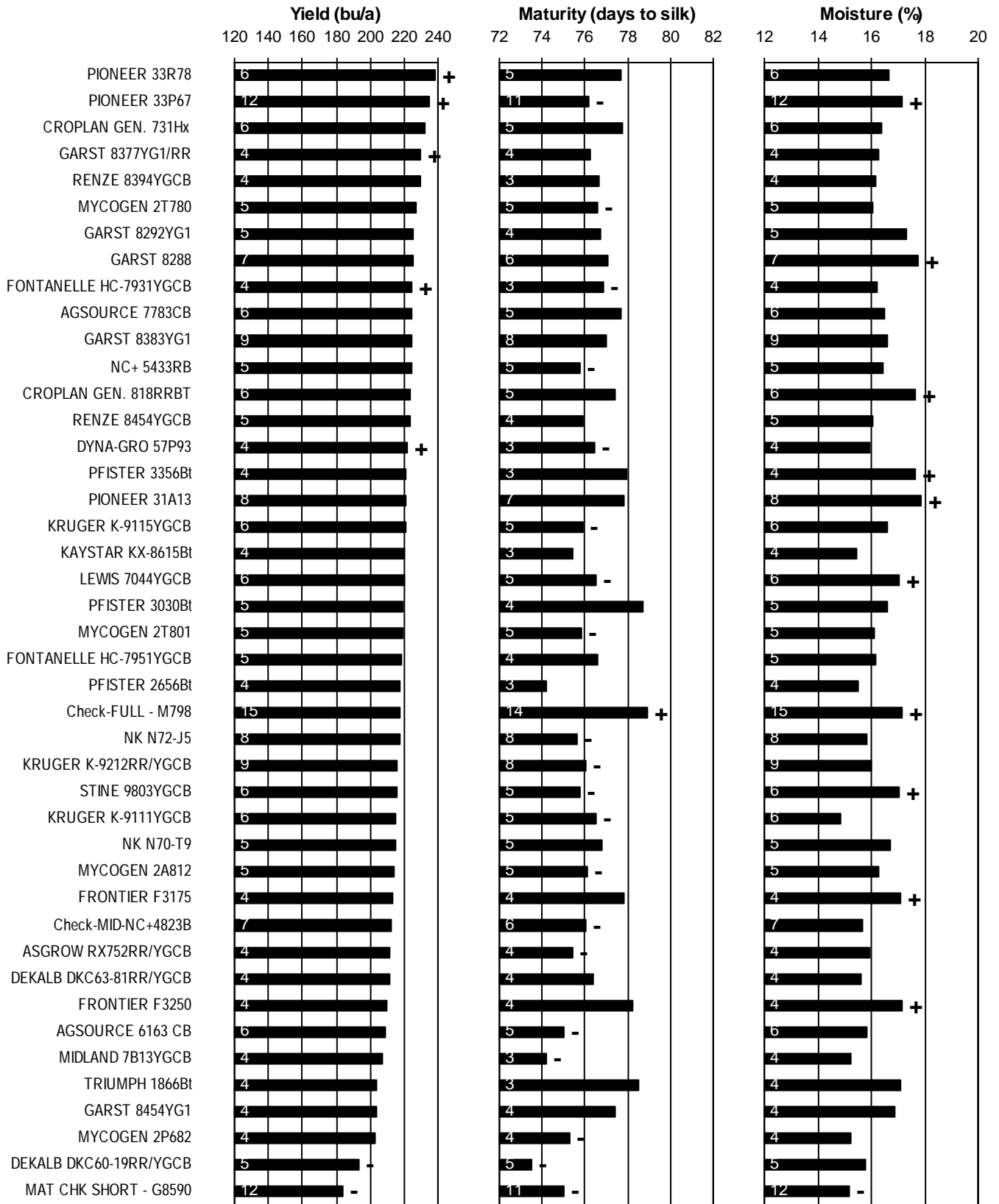


Figure 5. NORTHEAST Kansas IRRIGATED corn hybrid standardized performance summary, 2001-2005.

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

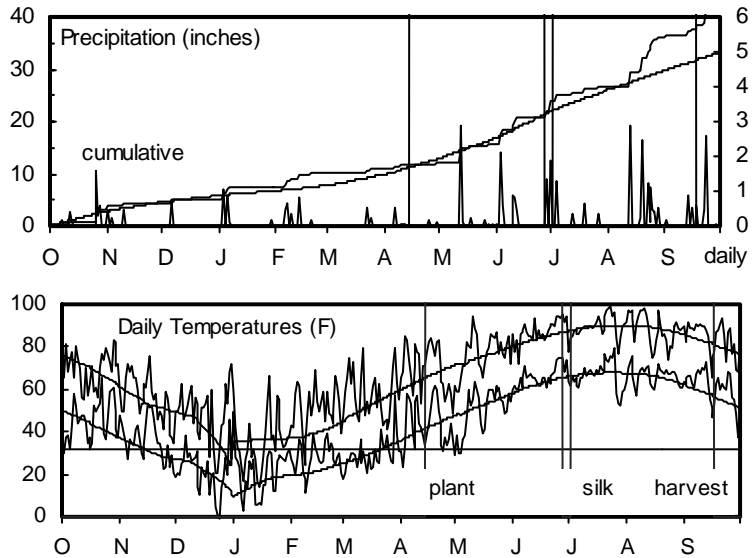
Silty clay loam; Soybean in 2004

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

Planted on 4/15/2005; Harvested on 9/16/2005

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

Generally favorable rainfall amount and distribution resulted in yields that were better than expected. The finer soil texture at this site likely retained water and soil N better than at the irrigated test site near Topeka.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	11.0	9.8	42	38	139	50
April	1.1	3.0	57	54	333	236
May	3.6	3.9	65	64	502	444
June	8.2	5.1	77	73	760	698
July	2.7	4.1	78	78	805	827
August	9.6	3.7	78	77	787	802
Sept.	5.4	3.5	72	69	647	571
Totals:	41.5	33.1	56	54	3,974	3,627

Table 11. Topeka Dryland Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		% of test		Days	Grain	Days	Grain	Pop.	Test	Ht.		
			2005	2004	2-Yr. average	2005	2004	to Silk	to Moist. %	to Silk	to Moist. %	1000 ppa	Ldg %	Wt. lb/bu	in.
MATURITY CHECK	SHRT-DKC50-20		145	--	--	79	--	--	--	74	13	22.1	1	56	--
KRUGER	K-5313YGCB	P250	158	--	--	86	--	--	--	74	14	21.2	0	54	--
PIONEER	34P88	P1250	200	--	--	110	--	--	--	74	15	20.5	1	55	--
AGSOURCE	5973YGCB	P250	173	--	--	95	--	--	--	75	14	20.0	0	56	--
NK	N65-M7	C	190	204	197	104	99	74	13	75	14	22.3	0	55	--
CROPLAN GEN.	663Bt	C	164	--	--	90	--	--	--	75	15	20.5	0	56	--
CROPLAN GEN.	693Bt/CL	C	180	219	200	99	106	74	14	75	15	21.4	0	55	--
KRUGER	K-5416YGCB	P250	166	--	--	91	--	--	--	75	15	21.0	0	56	--
MYCOGEN	2A812	C	195	--	--	107	--	--	--	75	15	22.5	1	55	--
PIONEER	35P10	P1250	167	--	--	92	--	--	--	75	15	19.7	1	56	--
RENZE	6406	P250	172	--	--	94	--	--	--	75	15	20.4	0	56	--
RENZE	8454YGCB	P250	190	234	212	104	114	73	14	75	15	20.9	0	56	--
RENZE	9365YGCB/RR	P250	201	--	--	110	--	--	--	75	15	22.6	1	56	--
KRUGER	K-9115RR/YGCB	P250	173	--	--	95	--	--	--	75	16	20.7	1	56	--
MIDLAND	MG7A15Bt	C	192	229	211	105	111	74	15	75	16	20.8	0	55	--
GARST	8534YG1/RR	C	158	--	--	86	--	--	--	76	14	21.3	0	55	--
KRUGER	K-9111YGCB	P250	163	205	184	89	99	75	13	76	14	22.4	0	55	--
KRUGER	K-9212RR/YGCB	P250	190	217	203	104	105	74	14	76	14	22.3	2	56	--
DYNA-GRO	57F70	P	172	--	--	94	--	--	--	76	15	21.1	0	55	--
GARST	8566YG1	C	186	--	--	102	--	--	--	76	15	22.3	0	55	--
KRUGER	K-0617A	P250	166	--	--	91	--	--	--	76	15	20.7	0	58	--
KRUGER	K-5616YGCB	P250	172	--	--	94	--	--	--	76	15	21.5	0	58	--
KRUGER	K-9313YGCB	P250	194	--	--	106	--	--	--	76	15	19.6	0	55	--
MATURITY CHECK	MID-NC+4823B		180	203	191	99	98	74	14	76	15	20.9	1	56	--
MIDLAND	MG7A53Bt	P250	200	--	--	109	--	--	--	76	15	22.6	0	56	--

(continued)

Table 11. Topeka Dryland Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005				Test Wt. lb/bu	Ht. in.	
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %			
			2005	2004	2-Yr. AVG.	average 2005 2004									
NK	N72-J5	C	193	220	207	106	107	74	14	76	15	21.8	1	56	--
PFISTER	2656BtRR	P1250	171	--	--	94	--	--	--	76	15	21.9	0	56	--
PFISTER	2730Bt	P1250	188	--	--	103	--	--	--	76	15	21.7	0	54	--
PRODUCERS	7371YGCB	C	186	--	--	102	--	--	--	76	15	21.4	1	56	--
PRODUCERS	7373YGCBRR	C	204	--	--	112	--	--	--	76	15	21.9	2	56	--
WILLCROSS	3105	P250	157	--	--	86	--	--	--	76	15	20.6	0	57	--
CROPLAN GEN.	731Hx	C	183	240	212	100	117	75	15	76	16	20.9	0	55	--
GOLDEN ACRES	2831RRB	P250	181	--	--	99	--	--	--	76	16	21.3	0	56	--
KRUGER	K-5617YGCB	P250	183	--	--	100	--	--	--	76	16	21.5	0	56	--
KRUGER	K-8414HX	P250	200	--	--	109	--	--	--	76	16	21.5	2	55	--
MYCOGEN	2T801	C	186	--	--	102	--	--	--	76	16	20.6	0	55	--
NK	N70-T9	C	196	218	207	108	106	74	15	76	16	21.7	0	56	--
RENZE	8386YGCB	P250	164	--	--	90	--	--	--	76	16	21.5	1	55	--
RENZE	9454YGCB/RR	P250	188	--	--	103	--	--	--	76	16	21.3	0	55	--
RENZE	EXP8546YGCB	P250	195	--	--	107	--	--	--	76	16	20.9	0	57	--
AGSOURCE	x51118	P250	170	--	--	93	--	--	--	76	17	21.5	1	56	--
MIDLAND	MG7A28Bt	C	193	234	214	106	114	75	15	76	17	21.0	0	53	--
MYCOGEN	2T780	C	190	243	216	104	118	75	16	76	17	21.4	0	55	--
PIONEER	33K39	P1250	192	--	--	105	--	--	--	76	17	21.5	0	57	--
STINE	9724	P250	161	--	--	88	--	--	--	76	17	21.6	1	55	--
WILLCROSS	3155CB	P250	207	--	--	114	--	--	--	76	17	22.0	0	55	--
KRUGER	K-5517YGCB	P250	195	--	--	107	--	--	--	76	18	21.1	0	54	--
PFISTER	3356RRBt	P1250	189	--	--	103	--	--	--	76	18	21.8	1	54	--
RENZE	8526YGCB	P250	180	--	--	99	--	--	--	76	18	21.8	0	54	--
RENZE	9526YGCB/RR	P250	202	--	--	111	--	--	--	76	18	22.1	1	54	--
STINE	9804YGCB	P250	167	207	187	92	101	74	16	76	18	20.8	2	54	--
KRUGER	K-0516	P250	186	--	--	102	--	--	--	77	15	21.7	0	56	--
GOLDEN ACRES	2841RRB	P250	199	223	211	109	109	76	15	77	16	20.9	0	54	--
KRUGER	K-2517RR/YGCB	P250	207	--	--	114	--	--	--	77	17	22.0	3	55	--
MIDLAND	MG7B63Hx	P250	167	--	--	91	--	--	--	77	17	19.5	2	55	--
WILLCROSS	3193CB	P250	188	--	--	103	--	--	--	77	17	21.1	0	53	--
WILLCROSS	3143CB	P250	188	--	--	103	--	--	--	78	15	21.0	0	54	--
MATURITY CHECK	FULL - M798		171	216	194	94	105	78	16	78	17	23.0	0	56	--
MIDLAND	MG7A55Hx	P250	185	--	--	101	--	--	--	78	18	19.6	0	53	--
	AVERAGES		183	206	194	183	206	74	15	76	16	21.3	1	55	--
	CV (%)		9	7	--	9	7	--	--	1	6	6.5	221	1	--
	LSD (0.05)**		24	20	--	13	10	--	--	1	1	1.9	2	1	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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

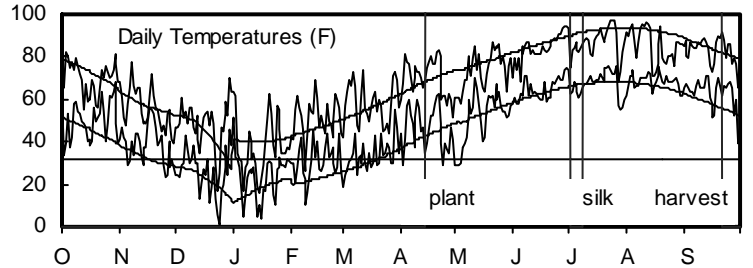
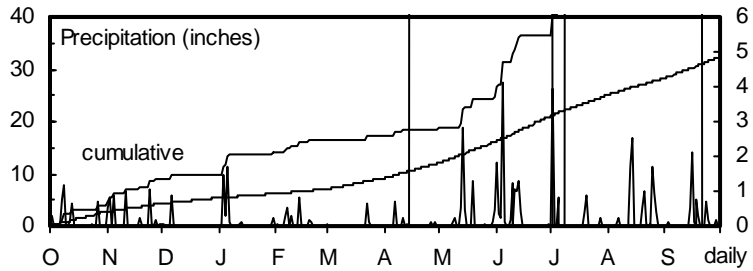
Woodson silt loam; Soybean in 2004

120 - 30 - 15 lb/a N, P, K

Planted on 4/15/2005; Harvested on 9/20/2005

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

Strip tillage in early March supplied a good seedbed. Sulfur at 5 lb/a and most of the N, P, and K were applied in bands under each row during the strip tillage. Additional N and P were applied in bands at planting. Rainfall was generally favorable.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	17.3	9.1	44	41	139	93
April	1.3	2.9	58	56	337	277
May	6.1	4.1	63	65	469	480
June	11.9	4.9	75	74	723	713
July	6.4	4.0	77	80	788	830
August	9.6	3.2	77	79	790	807
Sept.	4.9	4.0	73	71	672	615
Totals:	57.5	32.3	57	56	3,917	3,814

Table 12. Ottawa Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.			
			2005	2004									2-Yr. average	% of test	
MATURITY CHECK	SHRT-DKC50-20		121	--	--	82	--	--	--	76	15	20.8	1	58	84
PIONEER	35P10	P1250	145	--	--	99	--	--	--	77	16	22.7	0	56	86
GARST	8534YG1/RR	C	128	--	--	87	--	--	--	79	15	20.2	4	56	83
KRUGER	K-5313YGCB	P250	140	--	--	95	--	--	--	79	16	21.9	1	55	95
MIDLAND	MG106Bt	P250	122	--	--	84	--	--	--	80	15	20.4	30	57	84
KRUGER	K-5416YGCB	P250	150	--	--	103	--	--	--	80	16	21.7	13	56	86
MIDLAND	MG7A53Bt	P250	165	--	--	112	--	--	--	80	16	24.3	21	57	92
RENZE	6406	P250	127	--	--	87	--	--	--	80	16	19.8	13	58	85
CROPLAN GEN.	663Bt	C	142	--	--	97	--	--	--	80	17	19.8	0	58	81
PIONEER	34P88	P1250	175	--	--	119	--	--	--	80	17	23.1	10	57	85
RENZE	8454YGCB	P250	157	--	--	107	--	--	--	80	17	23.1	16	56	89
STINE	9703YGCB	P250	142	--	--	97	--	--	--	80	17	21.3	4	58	82
STINE	9804YGCB	P250	128	148	138	88	92	79	18	80	17	23.0	24	55	84
WILLCROSS	3105	P250	136	--	--	93	--	--	--	80	17	21.2	6	57	96
STINE	9724	P250	140	--	--	96	--	--	--	80	18	22.0	4	57	85
WILLCROSS	3155CB	P250	161	--	--	110	--	--	--	80	18	20.9	4	55	84
GARST	8566YG1	C	150	--	--	102	--	--	--	81	15	22.7	8	54	93
CROPLAN GEN.	693Bt/CL	C	131	154	142	89	96	80	16	81	16	22.2	0	55	101
GOLDEN ACRES	2831RRB	P250	143	--	--	98	--	--	--	81	16	22.0	0	55	96
KRUGER	K-0617A	P250	129	--	--	88	--	--	--	81	16	20.7	6	60	92
KRUGER	K-5617YGCB	P250	150	--	--	102	--	--	--	81	16	24.0	1	58	96
KRUGER	K-9115RR/YGCB	P250	145	--	--	99	--	--	--	81	16	22.0	0	56	95
KRUGER	K-9212RR/YGCB	P250	158	155	156	108	96	81	16	81	16	22.6	9	56	94
KRUGER	K-9313YGCB	P250	159	--	--	108	--	--	--	81	16	23.7	13	56	89
MATURITY CHECK	MID-NC+4823B		146	160	153	100	100	80	16	81	16	21.5	34	56	98

(continued)

Table 12. Ottawa Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	average									2005
NK	N65-M7	C	144	155	150	99	96	80	16	81	16	22.4	19	57	92
PFISTER	2656BtRR	P1250	155	--	--	106	--	--	--	81	16	23.1	13	56	95
PFISTER	2730Bt	P1250	158	--	--	108	--	--	--	81	16	22.7	9	56	84
PRODUCERS	7373YGCBRR	C	141	168	155	97	104	81	17	81	16	23.6	25	56	97
RENZE	8386YGCB	P250	153	--	--	105	--	--	--	81	16	22.5	30	56	81
RENZE	9365YGCB/RR	P250	148	--	--	101	--	--	--	81	16	20.9	5	57	95
STINE	9622YGCB	P250	145	--	--	99	--	--	--	81	16	22.3	13	56	77
CROPLAN GEN.	731Hx	C	155	182	169	106	113	81	17	81	17	22.3	1	56	98
MYCOGEN	2T801	C	149	--	--	102	--	--	--	81	17	21.5	14	56	91
NK	N72-J5	C	128	182	155	87	113	81	17	81	17	20.2	30	57	93
PHILLIPS	7B15RRYGCB	P	141	--	--	97	--	--	--	81	17	20.7	24	56	96
STINE	9803YGCB	P250	132	165	149	90	103	81	17	81	17	17.7	18	58	90
PIONEER	33K39	P1250	145	--	--	99	--	--	--	81	18	21.9	6	59	93
KRUGER	K-5517YGCB	P250	151	--	--	103	--	--	--	81	19	21.2	0	55	96
RENZE	9526YGCB/RR	P250	141	--	--	96	--	--	--	81	19	17.9	6	54	100
KRUGER	K-9111YGCB	P250	135	163	149	92	101	81	15	82	16	21.7	0	57	90
MIDLAND	MG7B13BtRR	P250	159	--	--	109	--	--	--	82	16	23.6	11	56	92
NK	N76-H2	C	141	160	150	96	99	82	17	82	16	20.7	11	56	93
KRUGER	K-5616YGCB	P250	136	--	--	93	--	--	--	82	17	19.8	1	59	98
KRUGER	K-8414HX	P250	158	--	--	108	--	--	--	82	17	22.6	1	55	98
MIDLAND	MG7B63Hx	P250	158	--	--	108	--	--	--	82	17	22.7	9	55	94
MYCOGEN	2A812	C	139	--	--	95	--	--	--	82	17	21.7	0	55	100
NK	N70-T9	C	146	169	157	100	105	80	16	82	17	22.8	0	56	92
KRUGER	K-2517RR/YGCB	P250	158	--	--	108	--	--	--	82	19	20.6	16	55	95
PFISTER	3356RRBt	P1250	155	--	--	106	--	--	--	82	19	21.9	6	55	97
PHILLIPS	7A29RRYGCB	P	163	--	--	112	--	--	--	82	19	21.9	3	55	96
RENZE	8526YGCB	P250	170	--	--	116	--	--	--	82	19	23.0	3	55	95
GOLDEN ACRES	2841RRB	P250	173	164	169	118	102	82	17	83	17	22.0	15	54	101
MATURITY CHECK	FULL - M798		122	168	145	83	105	83	17	83	17	19.2	8	58	101
MIDLAND	MG7A28Bt	C	149	--	--	101	--	--	--	83	17	20.1	13	53	98
MYCOGEN	2T780	C	159	--	--	108	--	--	--	83	17	25.4	4	56	96
KRUGER	K-0516	P250	131	--	--	90	--	--	--	84	17	20.5	0	58	101
WILLCROSS	3143CB	P250	146	174	160	100	108	83	17	84	17	20.1	9	56	96
WILLCROSS	3193CB	P250	166	--	--	113	--	--	--	84	18	23.3	0	53	98
	AVERAGES		146	161	154	146	161	81	17	81	17	21.7	9	56	92
	CV (%)		8	9	--	8	9	--	--	1	3	9.0	162	1	4
	LSD (0.05)**		16	19	--	11	12	--	--	1	1	2.7	21	1	6

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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

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

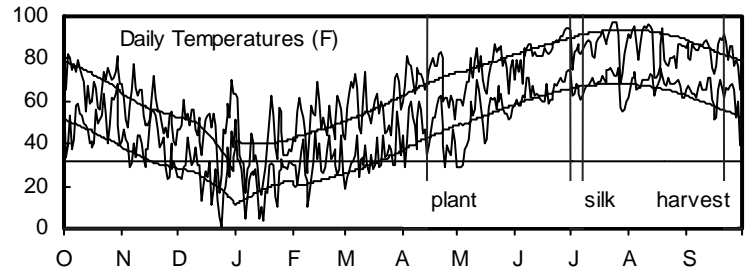
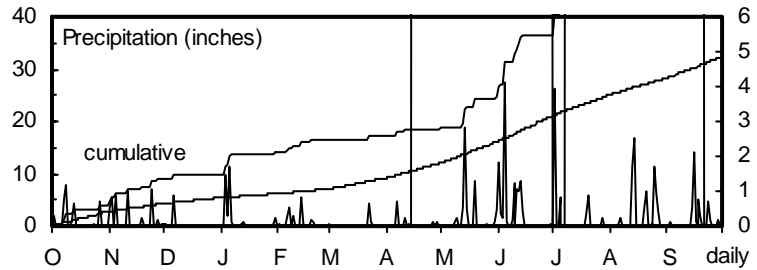
Woodson silt loam; Soybean in 2004

120 - 30 - 15 lb/a N, P, K

Planted on 4/15/2005; Harvested on 9/20/2005

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

Strip tillage in early March supplied a good seedbed. Sulfur at 5 lb/a and most of the N, P, and K were applied in bands under each row during the strip tillage. Additional N and P were applied in bands at planting. Rainfall was generally favorable.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	17.3	9.1	44	41	139	93
April	1.3	2.9	58	56	337	277
May	6.1	4.1	63	65	469	480
June	11.9	4.9	75	74	723	713
July	6.4	4.0	77	80	788	830
August	9.6	3.2	77	79	790	807
Sept.	4.9	4.0	73	71	672	615
Totals:	57.5	32.3	57	56	3,917	3,814

Table 13. Ottawa Short-Season Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. average	2005									2004
DEKALB	DKC47-10RR/YG	P250	119	154	136	94	96	76	14	76	14	22.7	1	57	79
DEKALB	DKC50-20RR/YG	P250	122	156	139	97	98	77	14	76	14	19.0	0	57	77
GARST	8880YG1	C	119	--	--	95	--	--	--	76	14	18.8	0	56	79
PIONEER	35P10	P1250	124	--	--	99	--	--	--	76	15	19.4	4	55	88
CROPLAN GEN.	521Bt	C	109	--	--	86	--	--	--	77	15	20.6	3	58	85
KRUGER	K-1500RR	P250	125	--	--	100	--	--	--	78	14	20.6	1	57	81
WILLCROSS	3034RR	P250	125	--	--	99	--	--	--	78	14	19.4	6	57	78
WILLCROSS	3055CB	P250	121	--	--	96	--	--	--	78	14	18.4	9	57	83
MATURITY CHECK	SHRT-DKC50-20		106	--	--	85	--	--	--	78	15	18.6	3	58	77
MIDLAND	MG116	P250	134	--	--	106	--	--	--	79	13	23.3	1	56	83
DEKALB	DKC54-51YGCB	P250	132	165	149	105	103	79	13	79	14	22.5	0	58	84
KRUGER	K-9203RR/YGCB	P250	136	--	--	108	--	--	--	79	14	22.5	0	56	85
WILLCROSS	3063	P250	121	--	--	96	--	--	--	79	14	21.5	9	57	80
DEKALB	DKC55-82RR2	P250	113	--	--	90	--	--	--	79	15	20.2	3	58	83
KRUGER	K-8602HX	P250	140	--	--	111	--	--	--	79	15	21.9	0	56	85
MIDLAND	MG106Bt	P250	121	--	--	96	--	--	--	79	15	20.7	11	57	82
WARNER	W4200B	P1250	119	--	--	94	--	--	--	79	15	18.6	5	57	78
WARNER	W4201B	P1250	120	--	--	95	--	--	--	79	15	18.2	6	57	81
STINE	9620YGCB	P250	138	163	150	109	102	79	14	80	14	22.6	5	55	79
KRUGER	K-2506RR/YGCB	P250	133	--	--	105	--	--	--	80	15	22.7	0	59	83
KRUGER	K-5504YGCB	P250	134	--	--	106	--	--	--	80	15	22.1	1	57	84
KRUGER	K-5505YGCB	P250	118	--	--	94	--	--	--	80	15	21.3	1	58	83
MATURITY CHECK	MID-NC+4823B		137	158	148	109	99	80	15	80	15	23.2	5	56	92
TRIUMPH	7861CBRR	P250	132	--	--	105	--	--	--	80	15	21.9	0	57	90
TAYLOR	EXPF-105RR/Bt	P250	142	--	--	113	--	--	--	81	14	24.8	3	56	85
MATURITY CHECK	FULL - M798		112	156	134	89	97	84	17	84	17	19.2	1	58	99
	AVERAGES		126	160	143	126	160	79	15	79	15	21.0	3	57	84
	CV (%)		9	8	--	9	8	--	--	1	2	9.7	185	1	4
	LSD (0.05)**		15	17	--	12	11	--	--	1	1	2.9	8	1	4

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

SOUTHEAST KANSAS DRYLAND CORN TEST ON UPLAND SOIL

Four-State Farm Show, Pittsburg; James Long, agronomist; Kelly Kusel, research technician

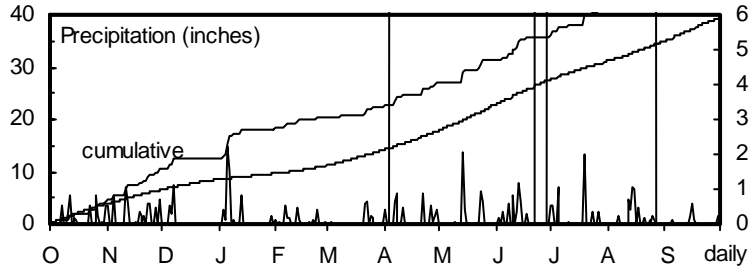
Parsons silt loam; Soybean in 2004

140 - 75 - 60 lb/a N, P, K

Planted on 4/4/2005; Harvested on 8/26/2005

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

Excellent conditions throughout the season. Two exceptions were a late frost that burned back leaves, but caused little loss of stand, and a European corn borer infestation.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	22.3	14.1	45	43	133	123
April	4.7	3.7	57	57	300	284
May	4.2	5.0	65	65	502	479
June	5.0	4.8	77	74	770	711
July	4.4	3.6	81	80	874	833
August	4.5	3.8	82	79	892	817
Sept.	1.3	4.5	77	71	757	633
Totals:	46.4	39.4	59	57	4,228	3,878

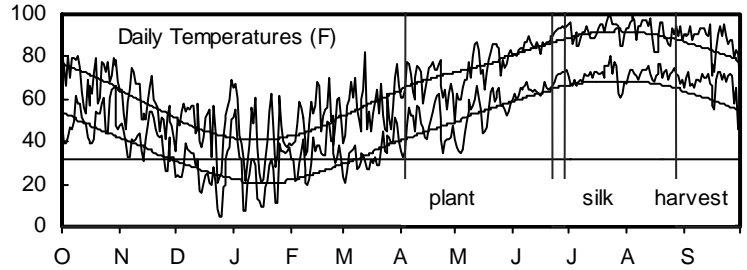


Table 14. Pittsburg Upland Corn Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005				2005						
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. average	2005	2004								
DEKALB	DKC47-10RR/YG	P250	165	149	157	98	86	76	14	78	15	22.1	0	58	104
PIONEER	35P10	P1250	191	--	--	114	--	--	--	78	17	22.8	0	56	114
DEKALB	DKC50-20RR/YG	P250	169	173	171	101	99	76	14	79	15	22.5	0	57	105
GARST	8880YG1	C	168	--	--	100	--	--	--	79	15	22.9	0	56	109
MATURITY CHECK	SHRT-DKC50-20		168	--	--	100	--	--	--	79	15	22.0	0	58	107
PIONEER	35D28	P1250	181	--	--	108	--	--	--	79	17	22.4	1	57	110
MIDLAND	MG116	P250	164	--	--	98	--	--	--	80	16	22.7	0	56	107
WILLCROSS	3034RR	P250	150	--	--	90	--	--	--	80	16	22.4	0	56	106
NC+	3601	P250	158	--	--	94	--	--	--	80	17	22.1	1	55	112
MATURITY CHECK	MID-NC+4823B		186	212	199	111	122	79	17	80	18	22.4	0	55	120
MYCOGEN	2E705	C	193	213	203	115	123	79	17	80	18	23.5	0	55	115
CROPLAN GEN.	521Bt	C	155	--	--	92	--	--	--	81	16	23.4	0	57	108
DEKALB	DKC54-51YGCB	P250	163	189	176	97	109	79	15	81	16	22.4	0	57	111
NK	N58-L8	C	173	--	--	103	--	--	--	81	16	22.9	0	56	111
WARNER	W4200B	P1250	170	--	--	101	--	--	--	81	16	22.4	0	57	103
WILLCROSS	3055CB	P250	168	--	--	100	--	--	--	81	16	22.2	0	58	111
CROPLAN GEN.	598	C	158	--	--	94	--	--	--	81	17	22.2	1	56	103
WARNER	W4201B	P1250	177	--	--	106	--	--	--	81	17	22.7	0	56	109
DYNA-GRO	57F70	P	179	--	--	107	--	--	--	81	18	22.2	1	54	117
DEKALB	DKC55-82RR2	P250	169	--	--	100	--	--	--	82	16	22.9	1	58	112
GARST	8676IT	C	136	--	--	81	--	--	--	82	16	22.5	0	57	116
WILLCROSS	3063	P250	159	--	--	95	--	--	--	82	16	22.6	1	56	105
MIDLAND	MG106Bt	P250	171	--	--	102	--	--	--	82	17	22.4	0	56	112
MYCOGEN	2G768	C	161	194	178	96	112	81	17	82	17	23.2	0	54	124
PIONEER	34M93	P1250	177	170	174	105	98	81	16	82	17	22.7	0	56	121
GARST	8566YG1	C	176	--	--	105	--	--	--	82	18	23.0	0	54	120
MYCOGEN	2P682	C	177	--	--	106	--	--	--	82	18	23.3	1	55	113
NK	N65-M7	C	173	205	189	103	118	80	17	82	18	23.9	3	54	112
PRODUCERS	6943YGCBRR		177	--	--	106	--	--	--	82	18	23.7	0	55	112
DYNA-GRO	56K70	P	128	--	--	76	--	--	--	83	17	22.3	0	56	120
MATURITY CHECK	FULL - M798		146	186	166	87	107	83	19	85	19	21.7	1	54	117
	AVERAGES		168	174	171	168	174	79	16	81	17	22.7	0	56	112
	CV (%)		5	5	--	5	5	--	--	1	3	4.4	237	1	3
	LSD (0.05)**		12	12	--	7	7	--	--	1	1	1.4	1	1	5

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

SOUTH-CENTRAL KANSAS NO-TILL DRYLAND CORN TEST ON SILT LOAM SOIL

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

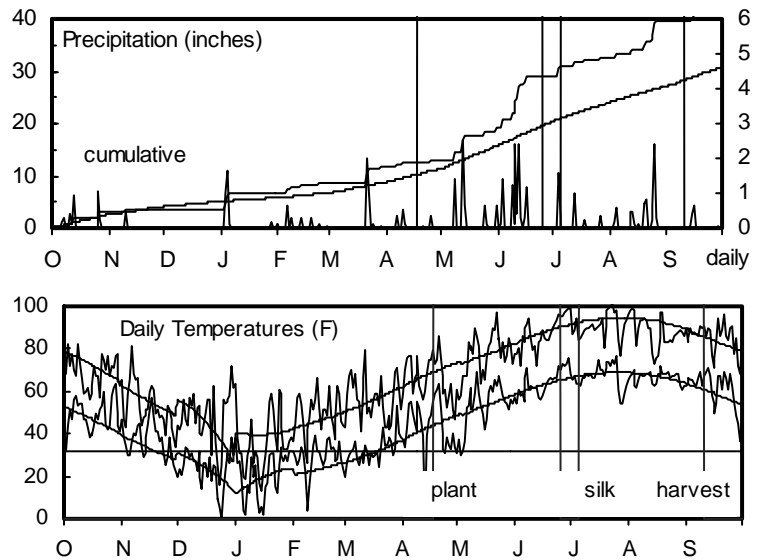
Smolan silt loam; Wheat in 2004

125 - 37 - 0 lb/a N, P, K

Planted on 4/18/2005; Harvested on 9/9/2005

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

Rodents caused some stand variability. Early May freeze burned back leaves, but did not kill seedlings. May and early June had above-normal precipitation, July was slightly below normal, and August was above normal. Limited drought stress occurred in late July and early August. Temperatures were normal or below all season except for June, which was slightly above normal. No insect or disease damage was observed.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	11.6	8.8	42	41	121	91
April	1.5	2.6	55	56	278	271
May	6.0	4.4	66	65	516	477
June	9.9	4.7	76	75	720	724
July	3.5	3.7	79	81	809	840
August	7.0	3.1	77	80	784	819
Sept.	1.2	3.6	73	71	673	632
Totals:	40.7	30.7	56	56	3,901	3,854

Table 15. Hesston No-till Dryland Corn Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. average	2005	2004	2005								
DEKALB	DKC50-20RR/YG	P250	96	131	113	103	86	71	12	68	12	18.0	0	60	--	
MATURITY CHECK	SHRT-DKC50-20		92	--	--	98	--	--	--	69	12	17.9	1	60	--	
PIONEER	35P10	P1250	106	--	--	113	--	--	--	69	13	18.0	1	59	--	
DEKALB	DKC52-47RR/YG	P250	99	142	121	106	94	74	12	70	12	17.9	0	58	--	
AGSOURCE	5783	C125	105	--	--	112	--	--	--	72	12	18.0	2	58	--	
AGSOURCE	5923	P250	75	--	--	80	--	--	--	72	12	18.0	0	56	--	
AGSOURCE	5973YGCB	P250	101	--	--	107	--	--	--	72	12	17.8	0	59	--	
CROPLAN GEN.	663Bt	C	105	--	--	112	--	--	--	72	12	18.0	0	60	--	
MIDLAND	MG7A15Bt	C	96	166	131	102	109	77	14	72	13	16.8	0	58	--	
MIDWEST SEED	7135RB	C	90	--	--	96	--	--	--	72	13	18.0	1	57	--	
NK	N58-L8	C	98	--	--	104	--	--	--	72	13	17.5	0	59	--	
AGSOURCE	6150	C125	89	--	--	95	--	--	--	73	13	17.2	0	59	--	
AGSOURCE	7243YGCB	C125	101	--	--	107	--	--	--	73	13	17.7	0	59	--	
CROPLAN GEN.	693Bt/CL	C	87	--	--	92	--	--	--	73	13	17.9	0	57	--	
DEKALB	DKC55-82RR2	P250	82	--	--	87	--	--	--	73	13	18.0	0	60	--	
PIONEER	33B54	P1250	109	--	--	116	--	--	--	73	14	17.9	0	59	--	
AGSOURCE	6236YGCBRR	C125	91	--	--	97	--	--	--	74	13	17.9	0	60	--	
GARST	8451RR	C	99	--	--	105	--	--	--	74	13	17.9	0	58	--	

(continued)

Table 15. Hesston No-till Dryland Corn Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005				Test Wt. lb/bu	Ht. in.	
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %			
			2005	2004	2-Yr. AVG.	average									2005
MIDWEST SEED	7806RB	C	84	--	--	90	--	--	--	74	13	17.9	0	58	--
NK	N70-T9	C	93	170	131	99	111	76	14	74	13	18.0	1	58	--
WILLCROSS	3105	P250	98	--	--	105	--	--	--	74	13	18.0	0	59	--
WILLCROSS	3155CB	P250	103	--	--	110	--	--	--	74	13	17.0	1	57	--
AGSOURCE	6483HX	C125	87	--	--	93	--	--	--	74	14	17.8	0	58	--
DEKALB	DKC60-19RR/YG	P250	77	--	--	82	--	--	--	74	14	17.8	0	58	--
GOLDEN ACRES	2831RRB	P250	97	--	--	103	--	--	--	75	13	17.9	0	58	--
MATURITY CHECK	MID-NC+4823B		96	174	135	102	114	77	13	75	13	18.0	0	58	--
TRIUMPH	1536CBRR	P250	95	--	--	102	--	--	--	75	13	17.9	0	58	--
MIDWEST SEED	7H261	C	78	--	--	83	--	--	--	75	14	16.1	0	58	--
AGSOURCE	5883YGCB	C125	89	164	126	95	108	78	13	76	13	17.6	0	59	--
AGSOURCE	7976YGCBRR	P250	97	--	--	104	--	--	--	76	13	18.0	1	57	--
CROPLAN GEN.	731Hx	C	92	--	--	98	--	--	--	76	13	18.0	2	57	--
GARST	8225YG1/RR	C	104	178	141	111	117	79	14	76	13	18.0	0	57	--
PHILLIPS	7B15RRYGCB	P	93	--	--	99	--	--	--	76	13	17.5	0	57	--
AGSOURCE	6166YGCBRR	C125	86	--	--	92	--	--	--	76	14	18.0	0	58	--
AGSOURCE	7883YGCB	C125	100	--	--	106	--	--	--	76	14	18.0	0	57	--
MIDLAND	MG7A28Bt	C	102	180	141	109	118	80	14	76	14	16.8	0	56	--
MIDLAND	MG7A58Bt	P250	96	--	--	102	--	--	--	76	14	17.1	0	57	--
PHILLIPS	7A29RRYGCB	P	95	--	--	101	--	--	--	76	14	17.8	0	57	--
PIONEER	31G68	P1250	93	--	--	99	--	--	--	77	12	17.7	0	57	--
AGSOURCE	6696YGCBRR	C125	83	--	--	89	--	--	--	77	14	18.0	0	57	--
GOLDEN ACRES	2841RRB	P250	96	--	--	103	--	--	--	78	13	17.9	0	56	--
WILLCROSS	3143CB	P250	90	--	--	96	--	--	--	78	13	16.1	0	56	--
WILLCROSS	3193CB	P250	98	--	--	104	--	--	--	78	13	17.1	0	56	--
AGSOURCE	7793HX	P250	78	--	--	83	--	--	--	78	14	17.9	0	57	--
MATURITY CHECK	FULL - M798		100	177	139	107	116	82	14	78	14	16.7	0	59	--
	AVERAGES		94	152	123	94	152	77	13	74	13	17.7	0	58	--
	CV (%)		7	6	--	7	6	--	--	2	4	4.4	336	1	--
	LSD (0.05)**		9	12	--	9	8	--	--	2	1	1.1	1	1	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Table 16. EAST/CENTRAL Kansas corn hybrid yield summary (% of test average), 2005.

BRAND/NAME	TOP*	OTT	OTS	PIT	HES	BRAND/NAME	TOP	OTT	OTS	PIT	HES
AGSOURCE						GOLDEN ACRES					
5783	--	--	--	--	112	2831RRB	99	98	--	--	103
5883YGCB	--	--	--	--	95	2841RRB	109	118	--	--	103
5923	--	--	--	--	80	KRUGER					
5973YGCB	95	--	--	--	107	K-0516	102	90	--	--	--
6150	--	--	--	--	95	K-0617A	91	88	--	--	--
6166YGCBBRR	--	--	--	--	92	K-1500RR	--	--	100	--	--
6236YGCBBRR	--	--	--	--	97	K-2506RR/YGCB	--	--	105	--	--
6483HX	--	--	--	--	93	K-2517RR/YGCB	114	108	--	--	--
6696YGCBBRR	--	--	--	--	89	K-5313YGCB	86	95	--	--	--
7243YGCB	--	--	--	--	107	K-5416YGCB	91	103	--	--	--
7793HX	--	--	--	--	83	K-5504YGCB	--	--	106	--	--
7883YGCB	--	--	--	--	106	K-5505YGCB	--	--	94	--	--
7976YGCBBRR	--	--	--	--	104	K-5517YGCB	107	103	--	--	--
x51118	93	--	--	--	--	K-5616YGCB	94	93	--	--	--
CROPLAN GEN.						K-5617YGCB	100	102	--	--	--
521Bt	--	--	86	92	--	K-8414HX	109	108	--	--	--
598	--	--	--	94	--	K-8602HX	--	--	111	--	--
663Bt	90	97	--	--	112	K-9111YGCB	89	92	--	--	--
693Bt/CL	99	89	--	--	92	K-9115RR/YGCB	95	99	--	--	--
731Hx	100	106	--	--	98	K-9203RR/YGCB	--	--	108	--	--
DEKALB						K-9212RR/YGCB	104	108	--	--	--
DKC47-10RR/YGCB	--	--	94	98	--	K-9313YGCB	106	108	--	--	--
DKC50-20RR/YGCB	--	--	97	101	103	MIDLAND					
DKC52-47RR/YGCB	--	--	--	--	106	MG106Bt	--	84	96	102	--
DKC54-51YGCB	--	--	105	97	--	MG116	--	--	106	98	--
DKC55-82RR2	--	--	90	100	87	MG7A15Bt	105	--	--	--	102
DKC60-19RR/YGCB	--	--	--	--	82	MG7A28Bt	106	101	--	--	109
DYNA-GRO						MG7A53Bt	109	112	--	--	--
56K70	--	--	--	76	--	MG7A55Hx	101	--	--	--	--
57F70	94	--	--	107	--	MG7A58Bt	--	--	--	--	102
GARST						MG7B13BtRR	--	109	--	--	--
8225YG1/RR	--	--	--	--	111	MG7B63Hx	91	108	--	--	--
8451RR	--	--	--	--	105	MIDWEST SEED					
8534YG1/RR	86	87	--	--	--	7135RB	--	--	--	--	96
8566YG1	102	102	--	105	--	7806RB	--	--	--	--	90
8676IT	--	--	--	81	--	7H261	--	--	--	--	83
8880YG1	--	--	95	100	--						

(continued)

* TOP = Topeka, Shawnee Co. OTT = Ottawa, Franklin Co. OTS = Ottawa, Franklin Co. Short-season
PIT = Pittsburg, Crawford Co. HES = Hesston, Harvey Co.

Table 16. EAST/CENTRAL Kansas corn hybrid yield summary (% of test average), 2005 - continued.

BRAND/NAME	TOP*	OTT	OTS	PIT	HES	BRAND/NAME	TOP	OTT	OTS	PIT	HES
MYCOGEN						RENZE					
2A812	107	95	--	--	--	6406	94	87	--	--	--
2E705	--	--	--	115	--	8386YGCB	90	105	--	--	--
2G768	--	--	--	96	--	8454YGCB	104	107	--	--	--
2P682	--	--	--	106	--	8526YGCB	99	116	--	--	--
2T780	104	108	--	--	--	9365YGCB/RR	110	101	--	--	--
2T801	102	102	--	--	--	9454YGCB/RR	103	--	--	--	--
NC+						STINE					
3601	--	--	--	94	--	9526YGCB/RR	111	96	--	--	--
NK						TAYLOR					
N58-L8	--	--	--	103	104	EXP8546YGCB	107	--	--	--	--
N65-M7	104	99	--	103	--	9620YGCB					
N70-T9	108	100	--	--	99	9622YGCB					
N72-J5	106	87	--	--	--	9703YGCB					
N76-H2	--	96	--	--	--	9724					
PFISTER						9803YGCB					
2656BtRR	94	106	--	--	--	9804YGCB					
2730Bt	103	108	--	--	--	TAYLOR					
3356RRBt	103	106	--	--	--	EXP8546YGCB					
PHILLIPS						TRIUMPH					
7A29RRYGCB	--	112	--	--	101	1536CBRR					
7B15RRYGCB	--	97	--	--	99	7861CBRR					
PIONEER						WARNER					
31G68	--	--	--	--	99	W4200B					
33B54	--	--	--	--	116	W4201B					
33K39	105	99	--	--	--	WILLCROSS					
34M93	--	--	--	105	--	3034RR					
34P88	110	119	--	--	--	3055CB					
35D28	--	--	--	108	--	3063					
35P10	92	99	99	114	113	3105					
PRODUCERS						3143CB					
6943YGCBRR	--	--	--	106	--	3155CB					
7371YGCB	102	--	--	--	--	3193CB					
7373YGCBRR	112	97	--	--	--	MATURITY CHECK					
						FULL - M798					
						MID-NC+4823B					
						SHRT-DKC50-20					
						AVERAGES (bu/a)					
						CV (%)					
						LSD (0.05)					

* TOP = Topeka, Shawnee Co. OTT = Ottawa, Franklin Co. OTS = Ottawa, Franklin Co. Short-season
PIT = Pittsburg, Crawford Co. HES = Hesston, Harvey Co.

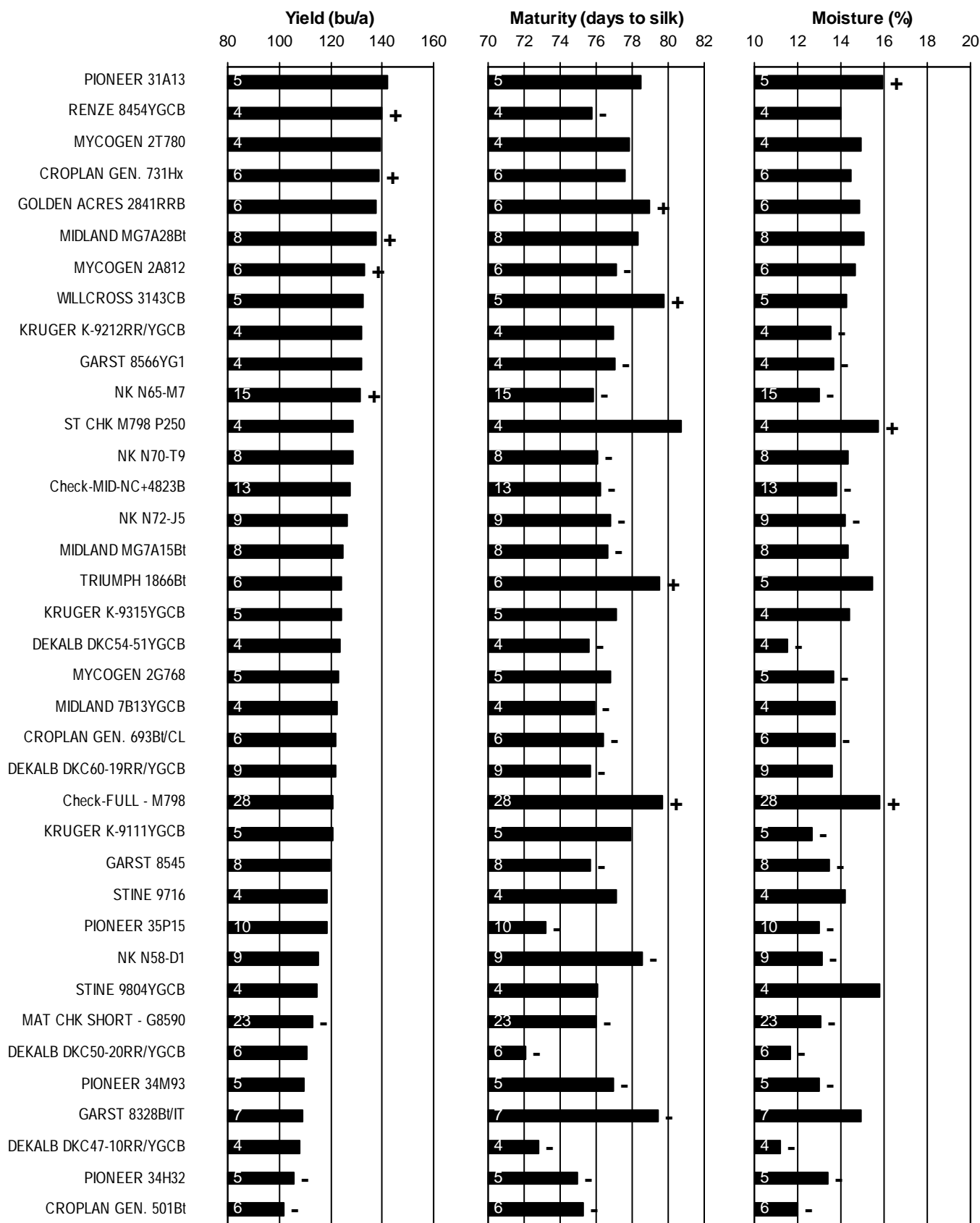


Figure 6. EAST/CENTRAL Kansas corn hybrid standardized performance summary, 2001-2005.

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 and Tracy Schmidt, cooperators

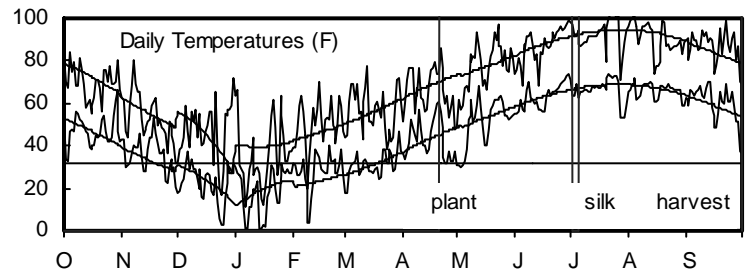
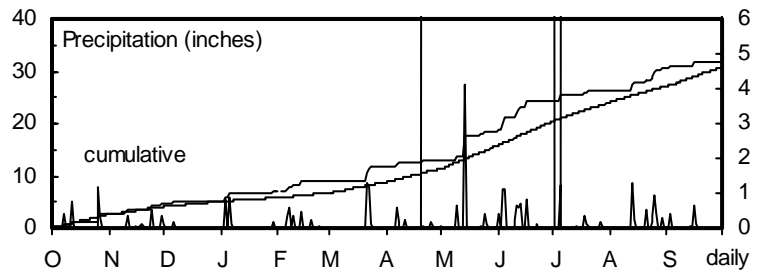
Crete silt loam; Soybean in 2004

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

Planted on 4/21/2005; Harvested on 9/29/2005

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

Planted into slightly wet soil but resulting stands did not seem to suffer. Weed control was not as effective as usual due to initially dry conditions after planting and very wet conditions in early June. Diseases and insects caused no noticeable problems.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	11.7	8.8	41	41	128	91
April	1.4	2.6	55	56	267	271
May	5.4	4.4	65	65	505	477
June	5.9	4.7	76	75	704	724
July	2.0	3.7	79	81	792	840
August	4.3	3.1	78	80	788	819
Sept.	1.3	3.6	73	71	660	632
Totals:	31.9	30.7	56	56	3,842	3,854

Table 17. Inman Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test average	Days Grain to Moist.	Days Grain to Moist.	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.				
			2005	2004								2005	2004		
MATURITY CHECK	SHRT-DKC50-20		167	--	--	86	--	--	71	14	32.4	--	58	86	
MIDLAND	MG7A15Bt	C	188	233	211	97	96	72	13	72	14	30.0	--	59	98
MYCOGEN	2G830	C	196	--	--	101	--	--	72	14	29.6	--	59	102	
MYCOGEN	2T801	C	201	252	227	104	104	72	14	72	14	33.0	--	59	101
AGSOURCE	6153Hx	P250	177	--	--	91	--	--	73	14	32.3	--	60	102	
AGSOURCE	6696YGCBRR	C125	196	--	--	101	--	--	73	14	33.8	--	58	100	
FONTANELLE	HC-7951YGCB	P250	209	269	239	108	111	72	13	73	14	33.1	--	60	102
MATURITY CHECK	MID-NC+4823B		189	244	216	97	101	71	14	73	14	30.8	--	59	96
MIDLAND	MG7A28Bt	C	187	259	223	96	107	73	14	73	14	28.0	--	57	104
AGSOURCE	7243YGCB	C125	198	--	--	102	--	--	73	15	30.2	--	59	100	
AGSOURCE	x56115	P250	197	--	--	102	--	--	73	15	32.2	--	61	101	
GARST	8275YG1	C	197	--	--	102	--	--	73	15	31.4	--	58	103	
GARST	8292YG1	C	201	221	211	104	91	72	15	73	15	32.5	--	60	108
MIDWEST SEED	G 8762B	C	231	--	--	119	--	--	73	15	35.6	--	59	103	
MIDLAND	MG7A58Bt	P250	175	--	--	90	--	--	73	16	27.7	--	58	105	
AGSOURCE	7976YGCBRR	P250	203	--	--	104	--	--	74	14	33.8	--	59	98	
AGSOURCE	X55314	P250	170	--	--	87	--	--	74	14	33.3	--	60	98	
CROPLAN GEN.	731Hx	C	211	--	--	109	--	--	74	14	32.0	--	58	104	
FONTANELLE	HC-8H911	P250	211	--	--	109	--	--	74	14	34.8	--	59	105	
GARST	8377YG1/RR	C	195	--	--	100	--	--	74	14	32.3	--	59	102	
MYCOGEN	2T780	C	209	272	241	108	112	73	14	74	14	33.4	--	58	105

(continued)

Table 17. Inman Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD					2004-2005		2005					
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	average									2005
NC+	5555HL	LHB	213	--	--	110	--	--	--	74	14	32.3	--	59	107
NK	N72-J5	C	210	--	--	108	--	--	--	74	14	30.7	--	58	104
AGSOURCE	6746CBRR	P250	193	--	--	99	--	--	--	74	15	33.2	--	61	103
AGSOURCE	7883YGCB	C125	210	--	--	108	--	--	--	74	15	34.4	--	58	105
AGSOURCE	x51118	P250	167	--	--	86	--	--	--	74	15	31.3	--	60	104
NK	N70-T9	C	203	224	214	105	93	72	14	74	15	31.5	--	59	101
NK	N76-D3	C	184	--	--	95	--	--	--	74	15	33.5	--	58	97
PIONEER	31N28	P1250	189	265	227	97	109	74	15	74	15	32.7	--	62	100
PIONEER	32B29	P1250	191	--	--	99	--	--	--	74	15	32.0	--	60	102
CROPLAN GEN.	799Bt	C	171	214	192	88	88	74	15	75	15	31.2	--	61	108
MATURITY CHECK FULL - M798			174	242	208	90	100	74	15	75	15	31.5	--	61	107
AGSOURCE	7793HX	P250	206	--	--	106	--	--	--	75	16	33.5	--	59	116
TRIUMPH	1866Bt	P250	181	257	219	93	106	75	15	75	16	31.5	--	61	108
PIONEER	33R78	P1250	188	268	228	97	111	75	14	76	15	32.3	--	58	106
	AVERAGES		194	242	218	194	242	73	14	74	15	32.1	--	59	103
	CV (%)		8	6	--	8	6	--	--	2	2	6.9	--	1	4
	LSD (0.05)**		22	19	--	12	8	--	--	2	--	3.1	--	1	6

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

** Unless two varieties differ by more than the LSD, little confidence can be placed in one being superior to the other. 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; Kraig Roozeboom, agronomist; Rick Russell, cooperator

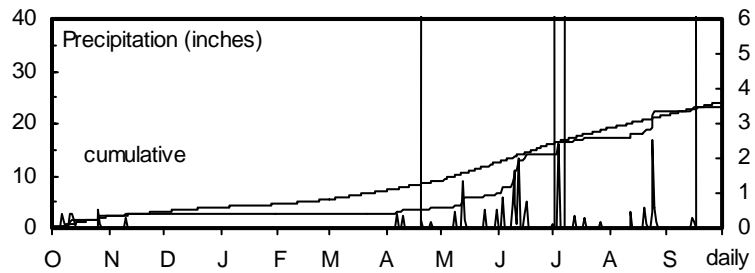
Carwile fine sandy loam; Corn in 2004

225 - 36 - 0 lb/a N, P, K

Planted on 4/21/2005; Harvested on 9/15/2005

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

Generally favorable conditions and insecticide control of corn root worms resulted in no lodging and excellent yields. Rainfall from May 2 through August 11 was 21.68", well above normal.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	2.6	7.2	42	42	130	126
April	1.2	2.0	51	56	262	302
May	3.1	3.4	66	66	522	497
June	7.3	3.7	76	76	729	725
July	3.3	2.9	79	79	808	824
August	5.0	2.5	78	78	786	764
Sept.	0.5	2.5	73	69	673	568
Totals:	23.0	24.1	56	56	3,909	3,806

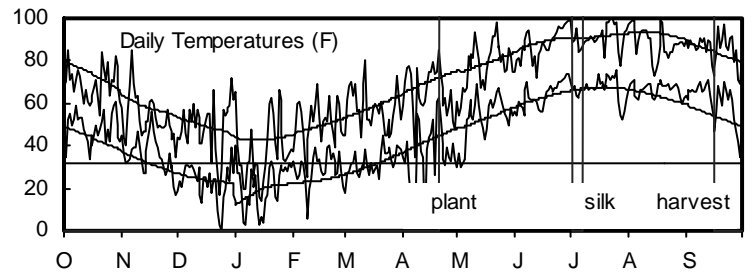


Table 18. St. John Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test		Days Grain to Moist.	Days Grain to Moist.	Pop. 1000	Ldg	Test Wt.	Ht.			
			2005	2004	2-Yr. average	2005	2004	Silk %	Silk %	ppa	%	lb/bu	in.		
MATURITY CHECK	SHRT-DKC50-20		164	--	--	74	--	--	--	71	13	33.6	--	57	80
DEKALB	DKC61-72RR2	P250	220	--	--	99	--	--	--	74	16	34.8	--	58	93
MYCOGEN	2T801	C	226	234	230	102	106	--	16	74	17	35.6	--	58	97
GARST	8292YG1	C	230	223	226	103	101	--	18	74	19	33.0	--	59	98
DYNA-GRO	57F70	P	225	--	--	101	--	--	--	75	16	30.2	--	58	96
NK	N72-J5	C	200	--	--	90	--	--	--	75	16	28.2	--	58	99
ASGROW	RX752RR/YGCB	P250	223	242	233	100	109	--	16	75	17	37.0	--	58	92
ASGROW	RX785RR2/YGCB	P250	232	--	--	104	--	--	--	75	17	35.7	--	58	87
MIDLAND	MG7A15Bt	C	213	--	--	96	--	--	--	75	17	29.6	--	58	98
PHILLIPS	7B15RRYGCB	P	226	--	--	102	--	--	--	75	17	35.1	--	59	101
DYNA-GRO	57P93	P	225	234	230	101	106	--	16	75	18	33.1	--	58	97
NC+	5433RB	P250	240	240	240	108	108	--	16	75	18	34.8	--	59	101
TRIUMPH	1536CBRR	P250	227	233	230	102	105	--	16	75	18	36.0	--	58	98
MATURITY CHECK	MID-NC+4823B		231	213	222	104	96	--	15	76	16	32.3	--	58	97
TRIUMPH	1416Bt	P250	218	233	226	98	105	--	15	76	16	33.6	--	58	97
DEKALB	DKC63-62RR2	P250	219	--	--	99	--	--	--	76	17	37.3	--	58	96
DYNA-GRO	57F37	P	210	--	--	95	--	--	--	76	17	36.1	--	57	95
FONTANELLE	HC-7951YGCB	P250	219	228	223	99	103	--	16	76	17	34.4	--	58	97
CROPLAN GEN.	731Hx	C	228	--	--	102	--	--	--	76	18	32.8	--	57	99
GARST	8377YG1/RR	C	230	244	237	104	110	--	16	76	18	35.8	--	58	97
NK	N70-T9	C	207	229	218	93	103	--	16	76	18	35.0	--	58	92
NK	N76-D3	C	213	--	--	96	--	--	--	76	18	35.7	--	57	96

(continued)

Table 18. St. John Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
TRIUMPH	TRX5603CBRR	P250	233	--	--	105	--	--	--	76	18	32.3	--	57	98	
DYNA-GRO	57P12	P	244	--	--	110	--	--	--	76	19	34.6	--	56	100	
FONTANELLE	HC-8H911	P250	220	--	--	99	--	--	--	76	19	37.2	--	56	101	
MIDLAND	MG7A58Bt	P250	207	--	--	93	--	--	--	76	19	26.9	--	56	99	
MIDWEST SEED	G 8762B	C	236	--	--	106	--	--	--	76	19	34.9	--	56	94	
PHILLIPS	7A29RRYGCB	P	243	--	--	109	--	--	--	76	19	34.4	--	57	98	
CROPLAN GEN.	799Bt	C	216	218	217	97	98	--	18	76	20	34.0	--	58	103	
MYCOGEN	2G830	C	185	--	--	83	--	--	--	76	20	31.6	--	55	99	
PIONEER	31N28	P1250	246	224	235	111	101	--	18	76	20	35.6	--	60	98	
PIONEER	32B29	P1250	235	--	--	106	--	--	--	76	20	34.7	--	58	104	
GARST	8225YG1/RR	C	230	--	--	103	--	--	--	77	18	34.8	--	57	96	
MATURITY CHECK	FULL - M798		202	200	201	91	90	--	17	77	18	32.7	--	59	104	
MIDLAND	MG7A28Bt	C	221	--	--	99	--	--	--	77	18	30.0	--	55	100	
MYCOGEN	2T780	C	221	--	--	99	--	--	--	77	18	36.3	--	56	101	
FONTANELLE	HC-7931YGCB	P250	220	220	220	99	99	--	17	77	19	31.1	--	55	101	
GARST	8275YG1	C	238	--	--	107	--	--	--	77	19	34.1	--	56	99	
PIONEER	33R78	P1250	248	225	236	111	101	--	17	77	20	33.5	--	56	106	
AVERAGES			222	222	222	222	222	--	16	76	18	33.8	--	57	97	
CV (%)			6	5	--	6	5	--	--	1	4	5.9	--	1	3	
LSD (0.05)**			18	16	--	8	7	--	--	1	1	2.8	--	1	4	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

Table 19. CENTRAL IRRIGATED corn hybrid yield summary (% of test average), 2005.

BRAND/NAME	INM*	HUT	STJ	AVG.	BRAND/NAME	INM	HUT	STJ	AVG.
AGSOURCE					MIDWEST SEED				
6153Hx	91	--	--	--	G 8762B	119	--	106	113
6696YGCBRR	101	--	--	--	MYCOGEN				
6746CBRR	99	--	--	--	2G830	101	--	83	92
7243YGCB	102	--	--	--	2T780	108	--	99	104
7793HX	106	--	--	--	2T801	104	--	102	103
7883YGCB	108	--	--	--	NC+				
7976YGCBRR	104	--	--	--	5433RB	--	--	108	--
x51118	86	--	--	--	5555HL	110	--	--	--
X55314	87	--	--	--	NK				
x56115	102	--	--	--	N70-T9	105	--	93	99
ASGROW					N72-J5	108	--	90	99
RX752RR/YGCB	--	--	100	--	N76-D3	95	--	96	95
RX785RR2/YGCB	--	--	104	--	PHILLIPS				
CROPLAN GEN.					7A29RRYGCB	--	--	109	--
731Hx	109	--	102	106	7B15RRYGCB	--	--	102	--
799Bt	88	--	97	93	PIONEER				
DEKALB					31N28	97	--	111	104
DKC61-72RR2	--	--	99	--	32B29	99	--	106	102
DKC63-62RR2	--	--	99	--	33R78	97	--	111	104
DYNA-GRO					TRIUMPH				
57F37	--	--	95	--	1416Bt	--	--	98	--
57F70	--	--	101	--	1536CBRR	--	--	102	--
57P12	--	--	110	--	1866Bt	93	--	--	--
57P93	--	--	101	--	TRX5603CBRR	--	--	105	--
FONTANELLE					MATURITY CHECK				
HC-7931YGCB	--	--	99	--	FULL - M798	90	--	91	90
HC-7951YGCB	108	--	99	103	MID-NC+4823B	97	--	104	101
HC-8H911	109	--	99	104	SHRT-DKC50-20	86	--	74	80
GARST					AVERAGES (bu/a)				
8225YG1/RR	--	--	103	--	CV (%)	8	--	6	--
8275YG1	102	--	107	104	LSD (0.05)	12	--	8	--
8292YG1	104	--	103	104	MIDLAND				
8377YG1/RR	100	--	104	102	MG7A15Bt	97	--	96	96
MIDLAND					MG7A28Bt	96	--	99	98
MG7A15Bt	97	--	96	96	MG7A58Bt	90	--	93	92
MG7A28Bt	96	--	99	98					
MG7A58Bt	90	--	93	92					

* INM = Inman, McPherson Co.

HUT = Hutchinson, Reno Co.; abandoned - wind, hail.

STJ = St. John, Stafford Co.

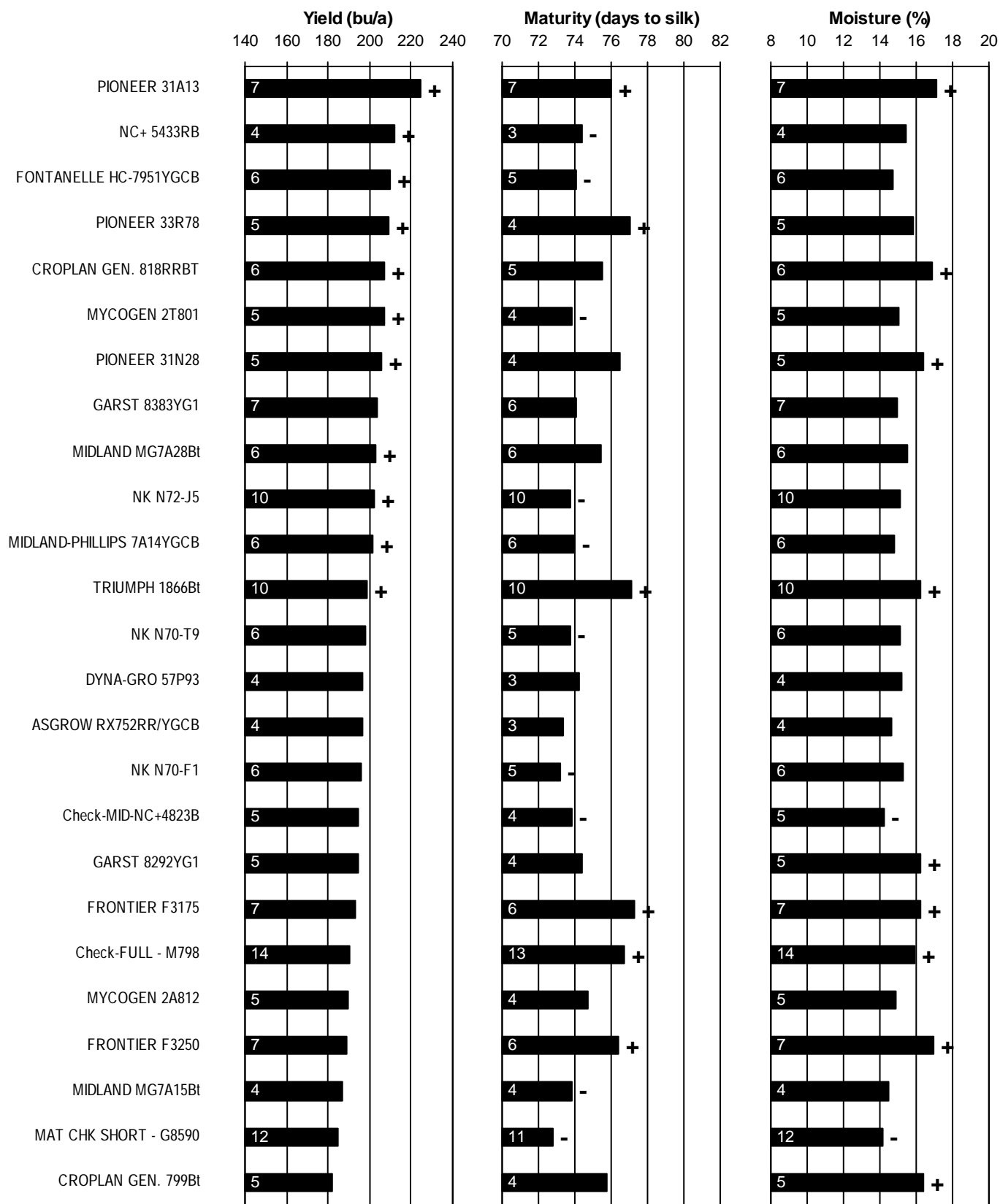


Figure 7. CENTRAL Kansas IRRIGATED corn hybrid standardized performance summary, 2001-2005.

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

WEST KANSAS NO-TILL DRYLAND CORN TEST

Agricultural Research Center - Hays; Ken Kofoid, agronomist

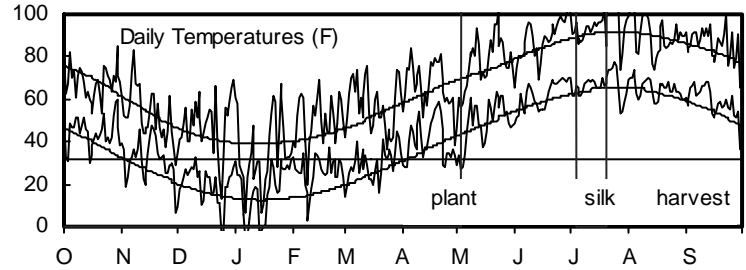
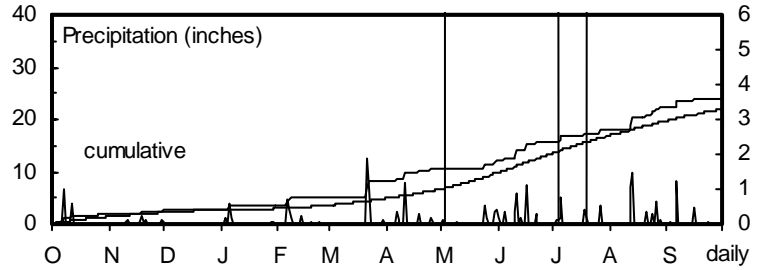
Harney clay loam; Soybean in 2004

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

Planted on 5/3/2005; Harvested on 10/6/2005

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

Good germination and emergence were followed by adequate spring growth. May and June had favorable precipitation and temperatures. Hot, dry conditions after silking in July and again in late August caused a rapid deterioration in plant health.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	8.3	4.9	40	36	138	40
April	2.3	1.8	54	50	269	205
May	1.6	3.1	64	61	472	381
June	3.4	3.8	76	71	689	635
July	2.3	3.4	81	78	803	783
August	4.3	2.8	78	76	767	760
Sept.	1.8	2.3	72	68	623	540
Totals:	24.1	21.9	55	52	3,760	3,343

Table 20. Hays No-till Dryland Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. average	2005	2004	2005								
DEKALB	DKC50-20RR/YG	P250	35	103	69	109	112	69	14	61	15	16.2	0	50	47	
GARST	8534YG1/RR	C	35	--	--	108	--	--	--	62	16	17.5	0	52	51	
PIONEER	33B54	P1250	30	--	--	91	--	--	--	66	14	17.2	0	54	59	
GARST	8545	C	30	--	--	92	--	--	--	66	15	16.7	1	50	60	
PIONEER	35P10	P1250	29	--	--	88	--	--	--	66	15	16.9	0	51	60	
DEKALB	DKC57-30	P250	34	--	--	104	--	--	--	66	16	15.5	1	50	60	
FONTANELLE	HC-7R418	P250	43	84	64	134	92	73	15	66	16	17.6	1	51	48	
CIRCLE	2605RR/YGCB	P250	32	--	--	98	--	--	--	67	15	17.2	0	52	44	
GARST	8451RR	C	30	--	--	92	--	--	--	67	16	15.0	1	50	61	
TRIUMPH	5433CBRR	P250	36	--	--	110	--	--	--	67	16	17.2	0	52	50	
CROPLAN GEN.	598	C	17	--	--	53	--	--	--	68	14	17.5	0	55	59	
CROPLAN GEN.	663Bt	C	42	--	--	131	--	--	--	68	15	19.1	0	53	58	
DEKALB	DKC52-47RR/YG	P250	43	93	68	132	102	74	14	68	15	17.7	0	51	50	
MATURITY CHECK	SHRT-DKC50-20		35	--	--	108	--	--	--	68	15	17.6	0	50	48	
TRIUMPH	7861CBRR	P250	21	--	--	65	--	--	--	68	15	17.2	2	52	47	
CIRCLE	0608A	P250	41	--	--	128	--	--	--	68	16	16.7	0	50	54	
GARST	8566YG1	C	38	--	--	118	--	--	--	68	16	17.9	0	51	61	
MATURITY CHECK	MID-NC+4823B		31	108	70	97	118	75	15	68	16	16.0	0	53	62	
NC+	3903R	LHB	32	--	--	100	--	--	--	68	16	15.0	1	53	47	
NK	N58-L8	C	35	--	--	107	--	--	--	68	16	15.5	0	50	50	
CIRCLE	6199RR/YGCB	P250	37	--	--	114	--	--	--	68	17	16.4	1	53	60	
CIRCLE	5606YGCB	P250	30	--	--	94	--	--	--	69	16	18.2	1	53	53	
PIONEER	34B99	P1250	25	--	--	77	--	--	--	69	16	14.8	0	52	57	
CIRCLE	CS-0409	P250	34	--	--	104	--	--	--	69	17	16.0	0	52	57	
CROPLAN GEN.	667Hx	C	35	--	--	109	--	--	--	70	14	19.1	0	53	61	
DEKALB	DKC55-82RR2	P250	27	--	--	83	--	--	--	70	16	17.2	3	51	54	
FONTANELLE	5215	P250	39	--	--	119	--	--	--	71	16	15.4	1	52	62	
MATURITY CHECK	FULL - M798		12	85	48	36	92	83	19	78	21	13.8	0	45	65	
	AVERAGES		32	92	62	32	92	75	16	68	16	16.7	0	51	55	
	CV (%)		27	12	--	27	12	--	--	1	9	9.4	240	5	7	
	LSD (0.05)**		12	19	--	39	21	--	--	1	2	2.2	1	4	5	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

NORTHWEST KANSAS NO-TILL DRYLAND CORN TEST

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

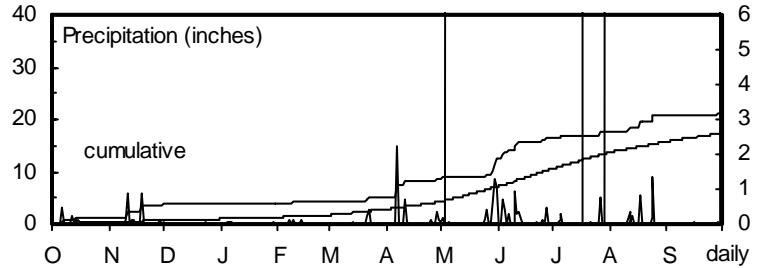
Keith silt loam; Wheat in 2004

110 - 0 - 0 lb/a N, P, K

Planted on 5/4/2005; Harvested on 9/28/2005

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

Good vegetative growth until silking. Hot and dry from mid-July through August during pollination and grain fill. Less than 1.25" of rain fell during this period.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	5.1	2.8	39	36	134	19
April	3.6	1.4	50	49	227	187
May	3.8	2.9	61	59	415	351
June	4.0	3.4	71	70	591	591
July	1.4	3.1	77	76	727	748
August	3.2	2.1	74	74	689	714
Sept.	0.1	1.6	69	66	552	483
Totals:	21.0	17.4	53	51	3,335	3,093

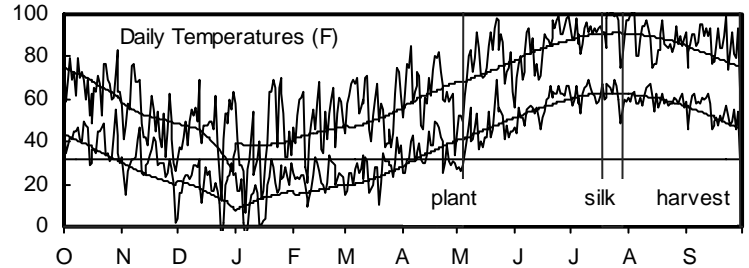


Table 21. Colby No-till Dryland Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test average	Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.		
			2005	2004										2-Yr. AVG.	2005
DEKALB	DKC50-20RR/YG	P250	40	86	63	125	134	74	13	74	14	17.5	--	58	--
MATURITY CHECK	SHRT-DKC50-20		36	--	--	113	--	--	--	74	15	16.7	--	58	--
DEKALB	DKC52-47RR/YG	P250	37	82	60	117	127	75	13	75	14	17.6	--	58	--
PIONEER	35P10	P1250	50	--	--	156	--	--	--	76	17	17.3	--	57	--
ASGROW	RX668RR2/YGCB	P250	32	--	--	99	--	--	--	77	15	16.8	--	58	--
CROPLAN GEN.	598	C	39	--	--	123	--	--	--	77	16	17.1	--	57	--
DEKALB	DKC53-34RR2/YG	P250	46	--	--	142	--	--	--	77	16	17.1	--	56	--
NC+	3903R	LHB	59	--	--	183	--	--	--	77	17	14.3	--	57	--
CROPLAN GEN.	663Bt	C	36	--	--	114	--	--	--	78	18	16.7	--	56	--
FONTANELLE	HC-7R418	P250	50	75	63	156	117	77	17	78	18	16.2	--	57	--
NK	N58-L8	C	40	--	--	124	--	--	--	78	18	14.8	--	57	--
CIRCLE	0608A	P250	23	--	--	72	--	--	--	78	19	16.2	--	55	--
GARST	8534YG1/RR	C	17	--	--	53	--	--	--	78	19	17.8	--	54	--
PIONEER	33B54	P1250	25	--	--	78	--	--	--	79	19	17.0	--	55	--
AGSOURCE	6236YGCBRR	C125	52	--	--	162	--	--	--	79	20	16.4	--	55	--
GARST	8545	C	49	--	--	153	--	--	--	79	20	17.5	--	55	--
AGSOURCE	6150	C125	38	--	--	119	--	--	--	80	18	17.5	--	56	--
DEKALB	DKC55-82RR2	P250	20	--	--	61	--	--	--	80	18	17.6	--	57	--
CIRCLE	2605RR/YGCB	P250	20	--	--	62	--	--	--	80	19	17.3	--	53	--
MATURITY CHECK	MID-NC+4823B		22	56	39	69	87	79	19	80	22	16.6	--	53	--
CIRCLE	CS-0409	P250	21	--	--	67	--	--	--	81	20	16.2	--	53	--
GARST	8451RR	C	34	--	--	107	--	--	--	81	21	15.7	--	53	--
PIONEER	34B99	P1250	32	--	--	100	--	--	--	82	19	16.8	--	55	--
CIRCLE	5606YGCB	P250	26	--	--	81	--	--	--	83	20	17.5	--	54	--
TRIUMPH	7861CBRR	P250	21	--	--	65	--	--	--	84	17	18.4	--	55	--
CIRCLE	6199RR/YGCB	P250	12	--	--	38	--	--	--	84	19	18.2	--	54	--
AGSOURCE	6483HX	C125	20	--	--	61	--	--	--	84	20	16.8	--	54	--
CROPLAN GEN.	667Hx	C	35	--	--	108	--	--	--	84	22	17.0	--	55	--
AGSOURCE	5923	P250	22	--	--	69	--	--	--	85	20	16.8	--	54	--
AGSOURCE	6293HX	P250	20	--	--	62	--	--	--	85	20	17.6	--	55	--
MATURITY CHECK	FULL - M798		19	39	29	59	61	85	25	85	22	15.5	--	54	--
FONTANELLE	5215	P250	28	--	--	87	--	--	--	86	18	17.3	--	55	--
AVERAGES			32	64	48	32	64	80	18	80	18	16.9	--	55	--
CV (%)			57	16	--	57	16	--	--	2	10	8.5	--	2	--
LSD (0.05)**			25	15	--	80	23	--	--	3	3	2.0	--	2	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

WEST CENTRAL KANSAS NO-TILL DRYLAND CORN TEST

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

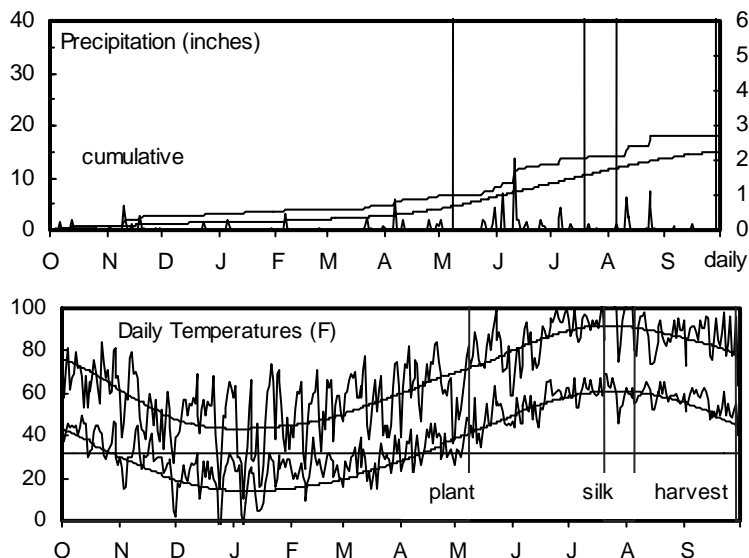
Ulysses silt loam; Wheat in 2004

109 - 30 - 0 lb/a N, P, K

Planted on 5/9/2005; Harvested on 9/27/2005

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

Planted no-till into good moisture. Temperatures were high during pollination. No insect or disease problems observed.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	4.7	2.7	40	37	151	73
April	1.8	1.3	50	49	246	222
May	1.6	2.3	61	59	409	381
June	4.5	2.5	71	70	583	581
July	1.4	2.6	78	76	718	720
August	3.9	2.3	74	74	668	697
Sept.	0.3	1.3	70	66	560	504
Totals:	18.2	15.0	54	52	3,334	3,177

Table 22. Tribune No-till Dryland Corn test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	2005									2004
MATURITY CHECK	SHRT-DKC50-20		67	--	--	125	--	--	--	71	18	15.7	--	57	79
FONTANELLE	HC-7R418	P250	67	--	--	125	--	--	--	73	24	15.6	--	53	79
CROPLAN GEN.	598	C	51	--	--	96	--	--	--	74	21	14.3	--	54	78
PIONEER	35P10	P1250	54	--	--	100	--	--	--	74	22	16.1	--	54	79
PIONEER	33B54	P1250	71	--	--	132	--	--	--	75	27	16.1	--	52	83
CROPLAN GEN.	663Bt	C	75	--	--	140	--	--	--	76	27	16.1	--	52	81
NK	N58-L8	C	50	--	--	93	--	--	--	77	24	14.5	--	53	79
CROPLAN GEN.	667Hx	C	46	--	--	87	--	--	--	77	27	12.8	--	51	85
GARST	7661RR	C	36	--	--	67	--	--	--	78	26	15.5	--	52	85
TRIUMPH	1416RR	P250	40	--	--	76	--	--	--	78	26	14.8	--	52	85
MATURITY CHECK	MID-NC+4823B		43	--	--	80	--	--	--	78	31	16.7	--	51	80
FONTANELLE	5215	P250	43	--	--	81	--	--	--	79	26	15.7	--	51	82
NC+	4574RB	LHB	53	--	--	100	--	--	--	79	29	15.1	--	52	80
PIONEER	34B99	P1250	48	--	--	89	--	--	--	80	30	16.1	--	51	77
MATURITY CHECK	FULL - M798		64	--	--	119	--	--	--	88	37	14.9	--	51	81
	AVERAGES		53	--	--	53	--	--	--	77	26	15.3	--	52	81
	CV (%)		13	--	--	13	--	--	--	2	8	7.8	--	2	5
	LSD (0.05)**		10	--	--	19	--	--	--	2	3	1.7	--	1	5

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

Table 23. WEST Kansas DRYLAND corn hybrid yield summary (% of test average), 2005.

BRAND/NAME	HAY*	COL	TRIB	AVG.	BRAND/NAME	HAY	COL	TRIB	AVG.
AGSOURCE					GARST				
5923	--	69	--	--	7661RR	--	--	67	--
6150	--	119	--	--	8451RR	92	107	--	--
6236YGCBRR	--	162	--	--	8534YG1/RR	108	53	--	--
6293HX	--	62	--	--	8545	92	153	--	--
6483HX	--	61	--	--	8566YG1	118	--	--	--
ASGROW					NC+				
RX668RR2/YGCB	--	99	--	--	3903R	100	183	--	--
CIRCLE					4574RB				
0608A	128	72	--	--					
2605RR/YGCB	98	62	--	--	NK				
5606YGCB	94	81	--	--	N58-L8				
6199RR/YGCB	114	38	--	--	107	124	93	108	
CS-0409	104	67	--	--	PIONEER				
CROPLAN GEN.					33B54				
598	53	123	96	91	91	78	132	100	
663Bt	131	114	140	128	34B99	77	100	89	89
667Hx	109	108	87	101	35P10	88	156	100	115
DEKALB					TRIUMPH				
DKC50-20RR/YGCB	109	125	--	--	1416RR	--	--	76	--
DKC52-47RR/YGCB	132	117	--	--	5433CBRR	110	--	--	--
DKC53-34RR2/YGCB	--	142	--	--	7861CBRR	65	65	--	--
DKC55-82RR2	83	61	--	--	MATURITY CHECK				
DKC57-30	104	--	--	--	FULL - M798				
FONTANELLE					MID-NC+4823B				
5215	119	87	81	96	108	113	125	115	
HC-7R418	134	156	125	138	SHRT-DKC50-20				
					AVERAGES (bu/a)				
					CV (%)				
					LSD (0.05)				

* HAY = Hays, Ellis Co.

COL = Colby, Thomas Co.

TRIB = Tribune, Greeley Co.

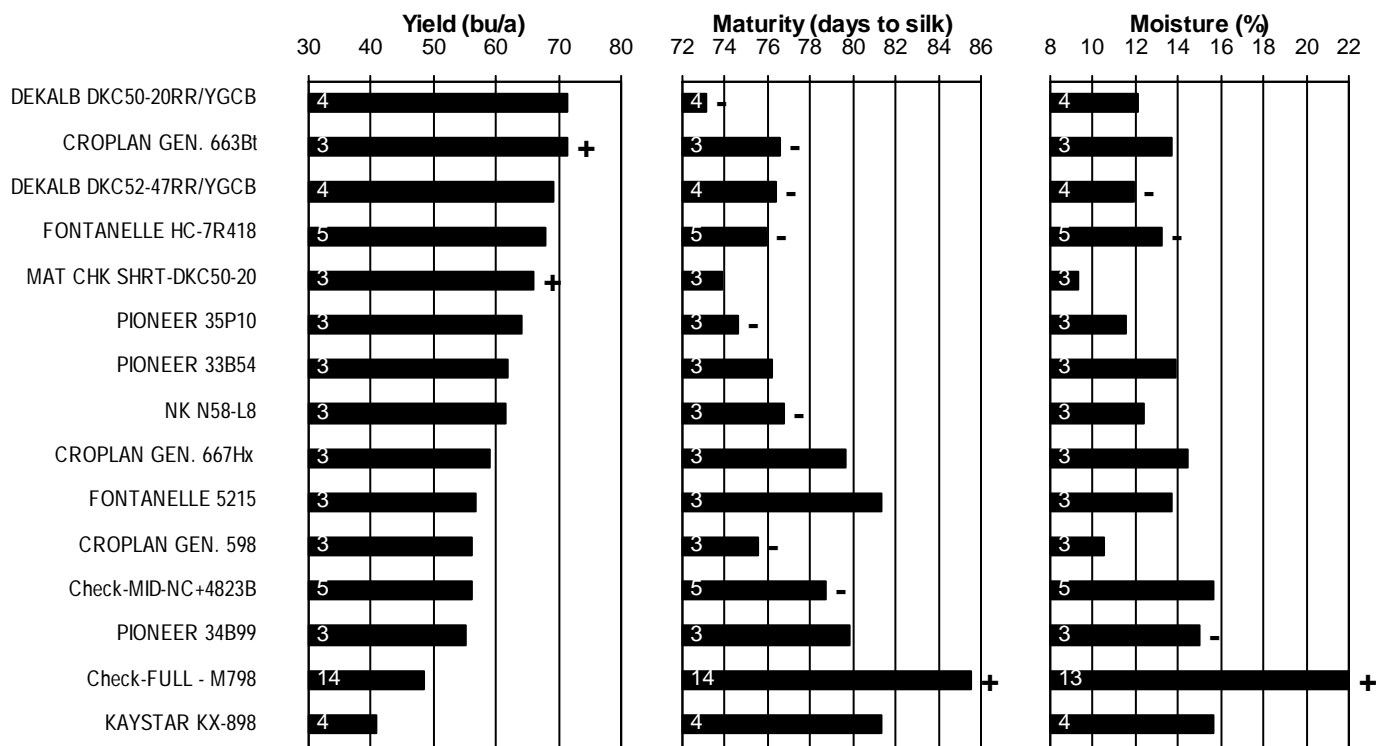


FIGURE 8. WEST Kansas DRYLAND corn hybrid standardized performance summary, 2001-2005.

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

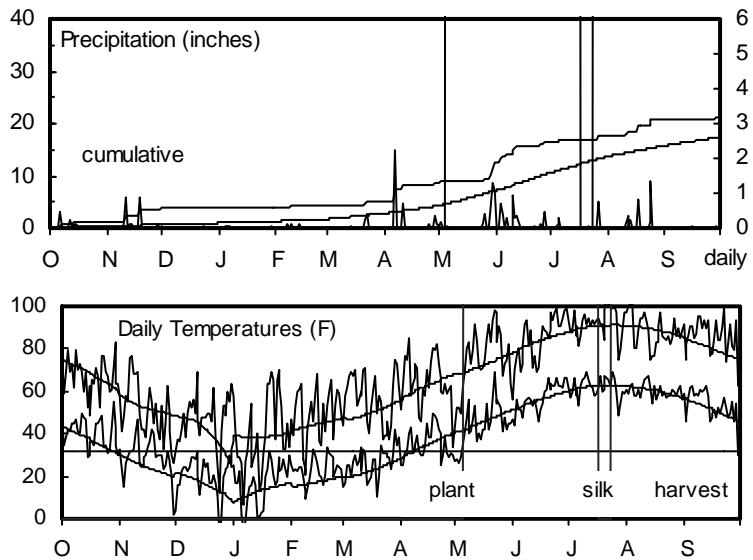
Keith silt loam; Sunflower in 2004

250 - 50 - 0 lb/a N, P, K

Planted on 5/5/2005; Harvested on 10/17/2005

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

Good stands were established, and growing conditions were generally favorable throughout the growing season. Temperatures were high during pollination. Harvest conditions were very good, with few lodged plants or dropped ears. Insecticide was applied twice to control spider mites.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	5.1	2.8	39	36	134	19
April	3.6	1.4	50	49	227	187
May	3.8	2.9	61	59	415	351
June	4.0	3.4	71	70	591	591
July	1.4	3.1	77	76	727	748
August	3.2	2.1	74	74	689	714
Sept.	0.1	1.6	69	66	552	483
Totals:	21.0	17.4	53	51	3,335	3,093

Table 24. Colby Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD		2004-2005		2005								
			bushels/acre		% of test	Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.		
			2005	2004										2-Yr. AVG.	2005
MATURITY CHECK	SHRT-DKC50-20		204	--	--	82	--	--	72	14	31.3	0	57	--	
AGSOURCE	5973YGCB	P250	225	--	--	90	--	--	72	18	30.9	0	57	--	
ASGROW	RX668RR2/YGCB	P250	258	--	--	103	--	--	73	15	33.0	0	57	--	
PREMIUM	P212		240	--	--	96	--	--	73	16	30.1	0	56	--	
DEKALB	DKC60-19RR/YG	P250	255	242	249	102	89	74	18	30.6	0	57	--		
RENZE	6406	P250	214	--	--	86	--	--	73	18	30.3	0	57	--	
NK	N58-L8	C	226	--	--	91	--	--	74	16	28.3	0	58	--	
AGSOURCE	5783	C125	215	--	--	86	--	--	74	17	30.7	0	56	--	
DYNA-GRO	57F70	P	248	--	--	100	--	--	74	17	29.7	0	57	--	
GRAND VALLEY	23P03		248	--	--	99	--	--	74	17	31.3	0	55	--	
AGSOURCE	6153Hx	P250	210	--	--	84	--	--	74	18	31.1	1	58	--	
ASGROW	RX752RR/YGCB	P250	264	258	261	106	95	75	19	74	18	32.1	0	57	--
CIRCLE	6199RR/YGCB	P250	241	--	--	97	--	--	74	18	31.6	0	56	--	
CIRCLE	CS-0409	P250	263	--	--	105	--	--	74	18	31.3	1	56	--	
DEKALB	DKC61-72RR2	P250	265	--	--	106	--	--	74	18	32.5	0	58	--	
DYNA-GRO	57P46	P	257	--	--	103	--	--	74	18	30.2	0	55	--	
FONTANELLE	HC-8N422	P250	242	--	--	97	--	--	74	18	30.5	0	56	--	
GRAND VALLEY	22B70		248	--	--	100	--	--	74	18	31.1	0	57	--	
LG SEEDS	LG2600BT	P250	228	--	--	91	--	--	74	18	28.1	0	55	--	
MATURITY CHECK	MID-NC+4823B		252	275	264	101	101	75	19	74	18	30.9	0	56	--
MYCOGEN	2E762	C	241	--	--	97	--	--	74	18	31.8	0	56	--	
CROPLAN GEN.	751RR/Bt	C	225	--	--	90	--	--	74	19	31.1	0	56	--	
PRODUCERS	7371YGCB	C	274	--	--	110	--	--	74	19	30.4	0	56	--	
DYNA-GRO	57P93	P	264	--	--	106	--	--	74	20	29.9	0	56	--	
FONTANELLE	HC-7951YGCB	P250	269	292	280	108	107	76	20	74	20	30.2	0	55	--

(continued)

Table 24. Colby Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005				Test Wt. lb/bu	Ht. in.	
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %			
			2005	2004	2-Yr. AVG.	average									2005
LG SEEDS	LG2619BT	P250	264	304	284	106	112	75	20	74	20	30.4	0	55	--
LG SEEDS	LG2640BT	P250	250	--	--	100	--	--	--	74	20	30.6	0	55	--
MYCOGEN	2T801	C	268	--	--	108	--	--	--	74	20	30.7	0	55	--
NK	N70-T9	C	251	265	258	101	97	76	20	74	20	31.7	0	55	--
FONTANELLE	5215	P250	240	--	--	96	--	--	--	75	17	30.7	0	56	--
CIRCLE	8609HX	P250	242	--	--	97	--	--	--	75	18	30.7	0	56	--
GRAND VALLEY	23B05		259	--	--	104	--	--	--	75	18	31.5	0	56	--
MYCOGEN	2P682	C	241	273	257	97	101	76	18	75	18	31.8	0	56	--
NC+	5444BD	P250	266	--	--	107	--	--	--	75	18	32.0	0	56	--
NK	N72-J5	C	262	291	277	105	107	77	19	75	18	30.4	0	56	--
OTILIE	5334YGCB		259	298	279	104	110	77	19	75	18	30.9	0	56	--
TRIUMPH	1416Bt	P250	247	--	--	99	--	--	--	75	18	31.5	0	55	--
CROPLAN GEN.	691Bt	C	255	--	--	102	--	--	--	75	19	30.9	0	55	--
RENZE	8386YGCB	P250	254	--	--	102	--	--	--	75	19	31.1	1	56	--
PRODUCERS	7373YGCBRR	C	275	288	281	110	106	76	20	75	20	30.6	0	55	--
RENZE	8394YGCB	P250	277	295	286	111	109	77	20	75	20	31.9	0	54	--
RENZE	8454YGCB	P250	260	288	274	104	106	76	20	75	20	30.2	0	56	--
TRIUMPH	1536CBRR	P250	267	294	280	107	108	76	20	75	20	31.5	0	56	--
OTILIE	5436YGCB		265	291	278	106	107	76	21	75	21	31.1	0	55	--
PIONEER	33B54	P1250	237	--	--	95	--	--	--	75	21	30.2	0	57	--
GARST	8380IT	C	257	--	--	103	--	--	--	75	22	31.9	0	55	--
CIRCLE	8414HX	P250	267	--	--	107	--	--	--	76	20	30.8	0	55	--
FONTANELLE	HC-8H911	P250	261	--	--	105	--	--	--	76	20	31.4	0	55	--
GARST	8377YG1/RR	C	266	302	284	107	111	77	21	76	20	31.4	0	56	--
NC+	5433RB	P250	279	--	--	112	--	--	--	76	20	31.1	0	55	--
OTILIE	5476YGCB		248	282	265	100	104	78	20	76	20	30.2	0	55	--
GARST	8287RR	C	212	--	--	85	--	--	--	76	22	29.5	0	56	--
CROPLAN GEN.	731Hx	C	250	--	--	100	--	--	--	77	20	31.3	0	54	--
AGSOURCE	7883YGCB	C125	253	--	--	102	--	--	--	77	21	31.6	0	55	--
DYNA-GRO	57P12	P	255	--	--	102	--	--	--	77	21	30.7	0	55	--
RENZE	8526YGCB	P250	254	--	--	102	--	--	--	77	21	29.8	0	55	--
AGSOURCE	6293HX	P250	225	--	--	90	--	--	--	78	18	31.6	0	55	--
AGSOURCE	7976YGCBRR	P250	239	--	--	96	--	--	--	78	20	31.0	0	54	--
PIONEER	32B29	P1250	238	--	--	96	--	--	--	78	21	30.7	0	56	--
PIONEER	33R78	P1250	239	--	--	96	--	--	--	79	19	29.2	0	55	--
MATURITY CHECK FULL - M798			243	271	257	97	100	81	21	79	22	30.8	0	57	--
	AVERAGES		249	272	260	249	272	76	19	75	19	30.9	0	56	--
	CV (%)		6	6	--	6	6	--	--	1	4	3.8	555	1	--
	LSD (0.05)**		21	22	--	8	8	--	--	1	1	1.6	1	1	--

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

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 2004

252 - 40 - 0 lb/a N, P, K

Planted on 5/6/2005; Harvested on 9/23/2005

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

Planted no-till into good moisture. Hail on August 19 stripped most of the leaves. No insect or disease problems were observed.

Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	4.7	2.7	40	37	151	73
April	3.1	1.3	50	49	246	222
May	1.9	2.3	61	59	409	381
June	4.5	2.5	71	70	583	581
July	1.4	2.6	78	76	718	720
August	3.9	2.3	74	74	668	697
Sept.	0.3	1.3	70	66	560	504
Totals:	19.8	15.0	54	52	3,334	3,177

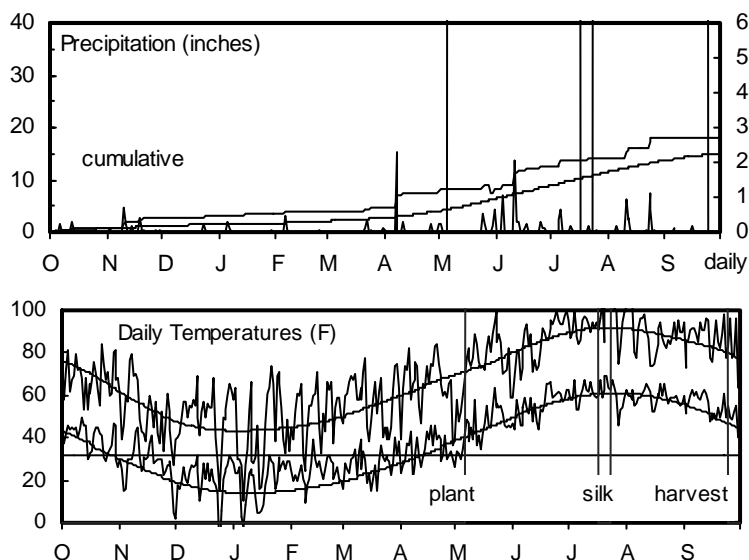


Table 25. Tribune Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	2005									2004
MATURITY CHECK	SHRT-DKC50-20		167	--	--	95	--	--	--	71	16	30.4	1	59	97
RENZE	6406	P250	173	--	--	99	--	--	--	72	20	31.9	4	57	96
RENZE	8286YGCB	P250	175	--	--	99	--	--	--	73	18	30.7	12	56	103
CROPLAN GEN.	751RR/Bt	C	159	--	--	90	--	--	--	73	23	30.3	2	52	101
NK	N58-L8	C	162	--	--	92	--	--	--	74	19	29.7	1	56	103
AGSOURCE	6153Hx	P250	163	--	--	93	--	--	--	74	20	33.9	4	56	106
CIRCLE	6199RR/YGCB	P250	183	--	--	104	--	--	--	74	21	32.6	7	52	103
CIRCLE	8274YGCB	P250	177	--	--	101	--	--	--	74	21	30.7	6	54	102
TRIUMPH	7861CBRR	P250	174	--	--	99	--	--	--	74	21	32.2	3	54	103
DYNA-GRO	57F70	P	188	--	--	107	--	--	--	74	23	29.8	9	52	100
DYNA-GRO	57P46	P	179	--	--	102	--	--	--	74	23	30.9	9	52	106
GRAND VALLEY	23P03		183	--	--	104	--	--	--	74	24	31.4	9	51	100
FONTANELLE	HC-7971YGCB	P250	177	270	224	101	115	76	28	74	25	28.2	9	52	105
RENZE	8386YGCB	P250	176	--	--	100	--	--	--	75	22	33.2	11	53	99
CIRCLE	8005RR/YGCB	P250	192	--	--	109	--	--	--	75	23	32.4	6	51	103
GRAND VALLEY	23B05		196	--	--	112	--	--	--	75	23	31.5	9	51	101
MATURITY CHECK	MID-NC+4823B		176	215	195	100	92	77	27	75	23	32.1	10	51	104
RENZE	6386	P250	185	253	219	105	108	77	27	75	23	33.2	3	53	100
FONTANELLE	5215	P250	183	--	--	104	--	--	--	75	24	32.6	12	51	101
GRAND VALLEY	23P95		192	--	--	109	--	--	--	75	24	31.4	4	52	104
NK	N72-J5	C	172	235	203	98	100	78	29	75	24	31.3	10	51	106
OTTILIE	5334YGCB		172	--	--	98	--	--	--	75	24	32.3	10	51	100
TRIUMPH	1536CBRR	P250	191	267	229	108	114	77	29	75	25	33.4	5	51	100

(continued)

Table 25. Tribune Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD						2004-2005		2005					
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.
			2005	2004	2-Yr. AVG.	2005	2004	average								
PRODUCERS	7371YGCB	C	178	--	--	101	--	--	--	75	26	32.2	3	51	101	
PIONEER	33B54	P1250	203	--	--	116	--	--	--	75	27	31.5	0	52	98	
CIRCLE	8624YGCB	P250	163	--	--	93	--	--	--	76	19	34.5	12	54	98	
DYNA-GRO	57P93	P	172	--	--	98	--	--	--	76	24	29.0	5	51	102	
FONTANELLE	HC-7951YGCB	P250	192	271	232	109	116	77	28	76	24	31.7	3	51	102	
LG SEEDS	LG2619BT/RR	P250	196	275	236	112	117	77	29	76	24	33.4	3	51	101	
MYCOGEN	2T801	C	193	254	223	110	108	77	29	76	24	34.9	3	51	101	
TRIUMPH	1416Bt	P250	172	236	204	98	101	78	28	76	24	32.4	6	51	100	
NC+	5433RB	P250	184	--	--	105	--	--	--	76	25	32.4	5	50	101	
PRODUCERS	7373YGCBRR	C	182	--	--	104	--	--	--	76	25	30.6	3	50	105	
CIRCLE	8414HX	P250	172	--	--	98	--	--	--	76	26	34.6	8	50	106	
CROPLAN GEN.	731Hx	C	178	244	211	101	104	79	29	76	26	33.4	7	51	103	
GARST	8377YG1/RR	C	186	--	--	106	--	--	--	76	26	31.9	6	50	104	
MYCOGEN	2P682	C	168	--	--	96	--	--	--	76	26	33.7	5	50	100	
OTILIE	5436YGCB		188	--	--	107	--	--	--	76	26	31.9	5	50	102	
RENZE	8454YGCB	P250	185	272	229	105	116	77	29	76	26	32.7	3	50	103	
CROPLAN GEN.	691Bt	C	168	--	--	96	--	--	--	76	27	33.4	3	49	102	
NK	N70-T9	C	180	242	211	102	103	77	30	76	27	34.0	3	51	102	
RENZE	8336YGCB	P250	161	--	--	92	--	--	--	77	22	29.7	7	51	99	
LG SEEDS	LG2633BT	P250	177	252	214	101	108	78	30	77	28	33.2	5	50	103	
FONTANELLE	HC-8H911	P250	173	--	--	99	--	--	--	77	29	32.8	5	50	103	
OTILIE	5476YGCB		167	--	--	95	--	--	--	77	29	31.4	6	49	100	
AGSOURCE	6293HX	P250	161	--	--	92	--	--	--	78	20	33.3	10	53	102	
MYCOGEN	2T780	C	183	--	--	104	--	--	--	78	27	34.4	7	50	99	
AGSOURCE	7883YGCB	C125	159	--	--	91	--	--	--	78	30	32.4	5	49	103	
CIRCLE	9014RR/YGCB	P250	149	--	--	85	--	--	--	78	30	30.8	5	49	103	
DYNA-GRO	57P12	P	163	--	--	93	--	--	--	78	30	32.1	9	50	108	
RENZE	8526YGCB	P250	155	--	--	88	--	--	--	78	30	30.7	5	49	102	
MATURITY CHECK FULL - M798			136	158	147	77	67	82	28	79	24	30.1	6	52	107	
PIONEER	33R78	P1250	172	--	--	98	--	--	--	79	27	29.6	3	50	112	
PIONEER	32B29	P1250	177	--	--	101	--	--	--	79	28	33.5	0	52	102	
AVERAGES			176	234	205	176	234	78	28	76	24	32.0	6	52	102	
CV (%)			7	9	--	7	9	--	--	1	7	4.7	82	2	4	
LSD (0.05)**			18	30	--	10	13	--	--	1	2	2.1	7	1	6	

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

SOUTHWEST KANSAS IRRIGATED CORN TEST ON SILT LOAM SOIL

Southwest Research-Extension Center, Garden City; Monty Spangler

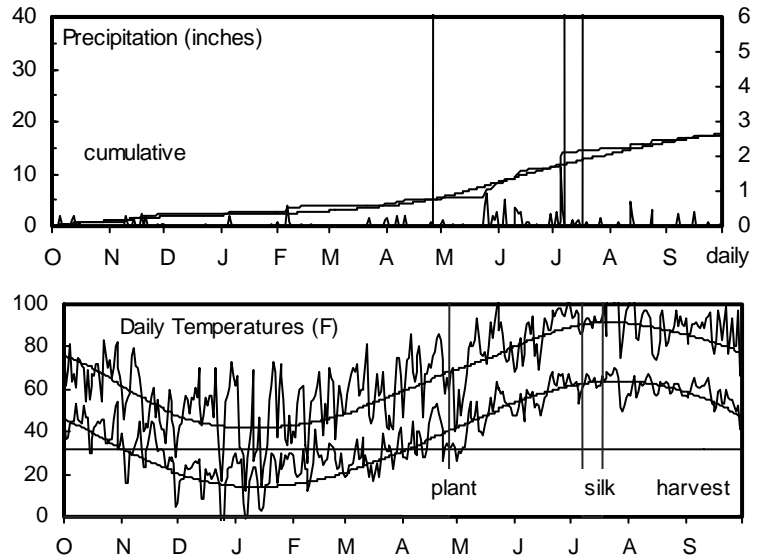
Keith silt loam; Soybean in 2004

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

Planted on 4/27/2005; Harvested on 10/20/2005

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

Dry soil at planting caused uneven emergence, but plots filled in after a rain 2 weeks later. Rainfall was relatively heavy in late May and early June. Hail on July 4 severely shredded leaves and broke tops out of several plants just before tassel and silk, eventually reducing plant heights and yields.



Month	Precipitation		Average Temp.		GDU	
	2005	Norm.	2005	Norm.	2005	Norm.
Oct.-Mar.	4.3	3.8	41	37	159	56
April	1.0	1.6	52	50	287	214
May	2.8	2.9	63	61	458	388
June	3.1	3.0	73	72	622	635
July	3.5	2.5	78	78	739	768
August	1.7	2.2	76	75	706	746
Sept.	1.0	1.6	72	68	598	530
Totals:	17.4	17.6	55	52	3,569	3,337

Table 26. Garden City Irrigated Corn Performance Test, 2004-2005.

BRAND	NAME	Seed treatment*	YIELD						2004-2005						2005			
			bushels/acre			% of test			Days to Silk	Grain to Moist. %	Days to Silk	Grain to Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.		
			2005	2004	2-Yr. AVG.	2005	2004	2005									2004	
MATURITY CHECK	SHRT-DKC50-20		82	--	--	67	--	--	--	71	13	31.4	10	58	89			
GRAND VALLEY	23P03		102	--	--	83	--	--	--	72	13	28.9	10	58	97			
DEKALB	DKC60-19RR/YG	P250	104	234	169	85	94	73	15	72	14	31.6	14	58	90			
DEKALB	DKC61-72RR2	P250	111	--	--	90	--	--	--	72	14	31.5	15	58	91			
CROPLAN GEN.	751RR/Bt	C	103	--	--	85	--	--	--	72	15	26.5	9	58	99			
DYNA-GRO	57F70	P	105	--	--	86	--	--	--	73	13	28.3	8	57	96			
MIDLAND	MG7A15Bt	C	110	--	--	90	--	--	--	73	14	28.2	9	58	95			
PIONEER	33B54	P1250	123	--	--	101	--	--	--	73	14	33.3	8	58	90			
WARNER	W4602B	P1250	103	252	178	84	101	74	16	73	14	28.7	7	57	97			
FONTANELLE	HC-7971YGCB	P250	107	254	180	88	102	74	16	73	15	26.7	5	57	94			
GRAND VALLEY	23P95		119	--	--	98	--	--	--	73	15	27.3	10	58	93			
MATURITY CHECK	MID-NC+4823B		113	253	183	92	102	74	15	74	13	29.5	8	57	92			
ASGROW	RX752RR/YGCB	P250	110	252	181	90	101	74	15	74	14	33.2	9	58	92			
DYNA-GRO	57P46	P	127	--	--	104	--	--	--	74	14	30.8	5	57	95			
DYNA-GRO	57P93	P	131	--	--	107	--	--	--	74	14	28.8	10	58	94			
DYNA-GRO	CXO4512	P	92	--	--	75	--	--	--	74	14	29.0	10	59	100			
GARST	8275YG1	C	128	--	--	105	--	--	--	74	14	25.8	11	57	98			
GARST	8377YG1/RR	C	126	263	194	103	106	75	16	74	14	31.6	6	58	95			
GARST	8380IT	C	129	--	--	106	--	--	--	74	14	30.1	8	58	101			
GRAND VALLEY	23B05		113	--	--	92	--	--	--	74	14	27.6	9	58	92			
HPH	3131YGRW		130	237	183	106	95	75	15	74	14	31.9	8	57	95			

(continued)

Table 26. Garden City Irrigated Corn Performance Test, 2004-2005 - continued.

BRAND	NAME	Seed treatment*	YIELD				2004-2005		2005						
			bushels/acre		% of test		Days to Silk	Grain Moist. %	Days to Silk	Grain Moist. %	Pop. 1000 ppa	Ldg %	Test Wt. lb/bu	Ht. in.	
			2005	2004	2-Yr. AVG.	average									2005
HPH	5115HX		126	--	--	103	--	--	--	74	14	30.1	11	57	91
MYCOGEN	2T801	C	123	268	195	100	107	75	16	74	14	31.0	7	58	94
NC+	5433RB	P250	116	--	--	95	--	--	--	74	14	29.1	7	58	95
NK	N70-T9	C	138	234	186	113	94	75	16	74	14	33.1	6	58	95
NK	N72-J5	C	103	238	170	84	96	75	15	74	14	27.7	15	57	99
OTILIE	5334YGCB		118	--	--	97	--	--	--	74	14	31.1	7	57	94
OTILIE	5436YGCB		126	--	--	103	--	--	--	74	14	30.4	8	56	95
PRODUCERS	7371YGCB	C	129	--	--	105	--	--	--	74	14	27.4	9	57	95
PRODUCERS	7373YGCBR	C	123	--	--	100	--	--	--	74	14	30.8	8	58	96
TRIUMPH	1536CBRR	P250	105	258	181	86	104	75	16	74	14	30.9	13	57	98
FONTANELLE	HC-7951YGCB	P250	136	266	201	111	107	75	16	74	15	31.5	8	57	96
CROPLAN GEN.	691Bt	C	117	--	--	96	--	--	--	75	14	27.7	6	57	98
DYNA-GRO	57F37	P	105	--	--	86	--	--	--	75	14	31.8	4	58	92
GARST	8292YG1	C	129	251	190	106	101	76	16	75	14	29.4	8	57	99
HPH	EXP		123	--	--	101	--	--	--	75	14	26.6	20	58	97
MYCOGEN	2G830	C	127	--	--	104	--	--	--	75	15	24.1	14	57	94
CROPLAN GEN.	731Hx	C	147	--	--	120	--	--	--	76	14	30.8	11	57	98
MIDLAND	MG7A28Bt	C	127	--	--	104	--	--	--	76	14	28.0	8	56	98
WARNER	WXC1201		141	--	--	115	--	--	--	76	14	32.1	8	59	98
FONTANELLE	HC-8H911	P250	132	--	--	108	--	--	--	76	15	31.0	8	57	100
HPH	5171		115	--	--	94	--	--	--	76	15	29.6	13	57	98
MYCOGEN	2T780	C	125	258	191	102	104	76	16	76	15	32.8	5	57	96
OTILIE	5476YGCB		146	--	--	120	--	--	--	76	15	28.1	7	57	98
DEKALB	DKC63-62RR2	P250	119	--	--	97	--	--	--	77	14	31.6	7	58	94
MIDLAND	MG7A58Bt	P250	130	--	--	107	--	--	--	77	15	27.3	5	57	102
DYNA-GRO	57P12	P	153	--	--	125	--	--	--	77	16	32.6	10	57	101
HPH	5160		133	--	--	109	--	--	--	78	14	32.4	6	55	97
LG SEEDS	LG2727	P250	133	--	--	109	--	--	--	78	14	30.6	9	57	104
PIONEER	32B29	P1250	147	--	--	121	--	--	--	78	14	30.1	11	59	98
PIONEER	33R78	P1250	143	--	--	117	--	--	--	78	14	26.8	5	57	102
TRIUMPH	TRX5603CBRR	P250	136	--	--	111	--	--	--	78	14	30.6	7	57	92
FONTANELLE	HC-7931YGCB	P250	121	260	190	99	104	78	16	78	15	26.5	9	56	97
TRIUMPH	1866Bt	P250	126	271	199	103	109	79	16	79	14	29.3	6	59	100
MATURITY CHECK FULL - M798			136	243	190	111	98	79	16	81	14	28.7	10	58	99
AVERAGES			122	249	186	122	249	76	16	75	14	29.7	9	57	96
CV (%)			13	7	--	13	7	--	--	2	4	6.2	48	1	3
LSD (0.05)**			23	25	--	19	10	--	--	2	1	2.6	6	1	4

* C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available.

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

Yields in bold are in the top LSD group.

Table 27. WEST Kansas IRRIGATED corn hybrid yield summary (% of test average), 2005.

BRAND/NAME	COL*	TRI	GC	AVG.	BRAND/NAME	COL	TRI	GC	AVG.
AGSOURCE					GARST				
5783	86	--	--	--	8275YG1	--	--	105	--
5973YGCB	90	--	--	--	8287RR	85	--	--	--
6153Hx	84	93	--	--	8292YG1	--	--	106	--
6293HX	90	92	--	--	8377YG1/RR	107	106	103	105
7883YGCB	102	91	--	--	8380IT	103	--	106	--
7976YGCBBR	96	--	--	--	GRAND VALLEY				
ASGROW					22B70	100	--	--	--
RX668RR2/YGCB	103	--	--	--	23B05	104	112	92	103
RX752RR/YGCB	106	--	90	--	23P03	99	104	83	96
CIRCLE					23P95	--	109	98	--
6199RR/YGCB	97	104	--	--	HPH				
8005RR/YGCB	--	109	--	--	3131YGRW	--	--	106	--
8274YGCB	--	101	--	--	5115HX	--	--	103	--
8414HX	107	98	--	--	5160	--	--	109	--
8609HX	97	--	--	--	5171	--	--	94	--
8624YGCB	--	93	--	--	EXP	--	--	101	--
9014RR/YGCB	--	85	--	--	LG SEEDS				
CS-0409	105	--	--	--	LG2600BT	91	--	--	--
CROPLAN GEN.					LG2619BT	106	--	--	--
691Bt	102	96	96	98	LG2619BT/RR	--	112	--	--
731Hx	100	101	120	107	LG2633BT	--	101	--	--
751RR/Bt	90	90	85	88	LG2640BT	100	--	--	--
DEKALB					LG2727	--	--	109	--
DKC60-19RR/YGCB	102	--	85	--	MIDLAND				
DKC61-72RR2	106	--	90	--	MG7A15Bt	--	--	90	--
DKC63-62RR2	--	--	97	--	MG7A28Bt	--	--	104	--
DYNA-GRO					MG7A58Bt	--	--	107	--
57F37	--	--	86	--	MYCOGEN				
57F70	100	107	86	98	2E762	97	--	--	--
57P12	102	93	125	107	2G830	--	--	104	--
57P46	103	102	104	103	2P682	97	96	--	--
57P93	106	98	107	104	2T780	--	104	102	--
CXO4512	--	--	75	--	2T801	108	110	100	106
FONTANELLE					NC+				
5215	96	104	--	--	5433RB	112	105	95	104
HC-7931YGCB	--	--	99	--	5444BD	107	--	--	--
HC-7951YGCB	108	109	111	110	NK				
HC-7971YGCB	--	101	88	--	N58-L8	91	92	--	--
HC-8H911	105	99	108	104	N70-T9	101	102	113	105
HC-8N422	97	--	--	--	N72-J5	105	98	84	96

(continued)

* COL = Colby, Thomas Co.

TRI = Tribune, Greeley Co.

GC = Garden City, Finney Co.

Table 27. WEST Kansas IRRIGATED corn hybrid yield summary (% of test average), 2005 - continued.

BRAND/NAME	COL*	TRI	GC	AVG.	BRAND/NAME	COL	TRI	GC	AVG.
OTTILIE									
5334YGCB	104	98	97	100					
5436YGCB	106	107	103	105					
5476YGCB	100	95	120	105					
PIONEER									
32B29	96	101	121	106					
33B54	95	116	101	104					
33R78	96	98	117	104					
PREMIUM									
P212	96	--	--	--					
PRODUCERS									
7371YGCB	110	101	105	106					
7373YGCRR	110	104	100	105					
RENZE									
6386	--	105	--	--					
6406	86	99	--	--					
8286YGCB	--	99	--	--					
8336YGCB	--	92	--	--					
8386YGCB	102	100	--	--					
8394YGCB	111	--	--	--					
8454YGCB	104	105	--	--					
8526YGCB	102	88	--	--					
TRIUMPH									
1416Bt	99	98	--	--					
1536CBRR	107	108	86	100					
1866Bt	--	--	103	--					
7861CBRR	--	99	--	--					
TRX5603CBRR	--	--	111	--					
WARNER									
W4602B	--	--	84	--					
WXC1201	--	--	115	--					
MATURITY CHECK									
FULL - M798	97	77	111	95					
MID-NC+4823B	101	100	92	98					
SHRT-DKC50-20	82	95	67	81					
AVERAGES (bu/a)	249	176	122	182					
CV (%)	6	7	13	--					
LSD (0.05)	8	10	19	--					

* COL = Colby, Thomas Co.

TRI = Tribune, Greeley Co.

GC = Garden City, Finney Co.

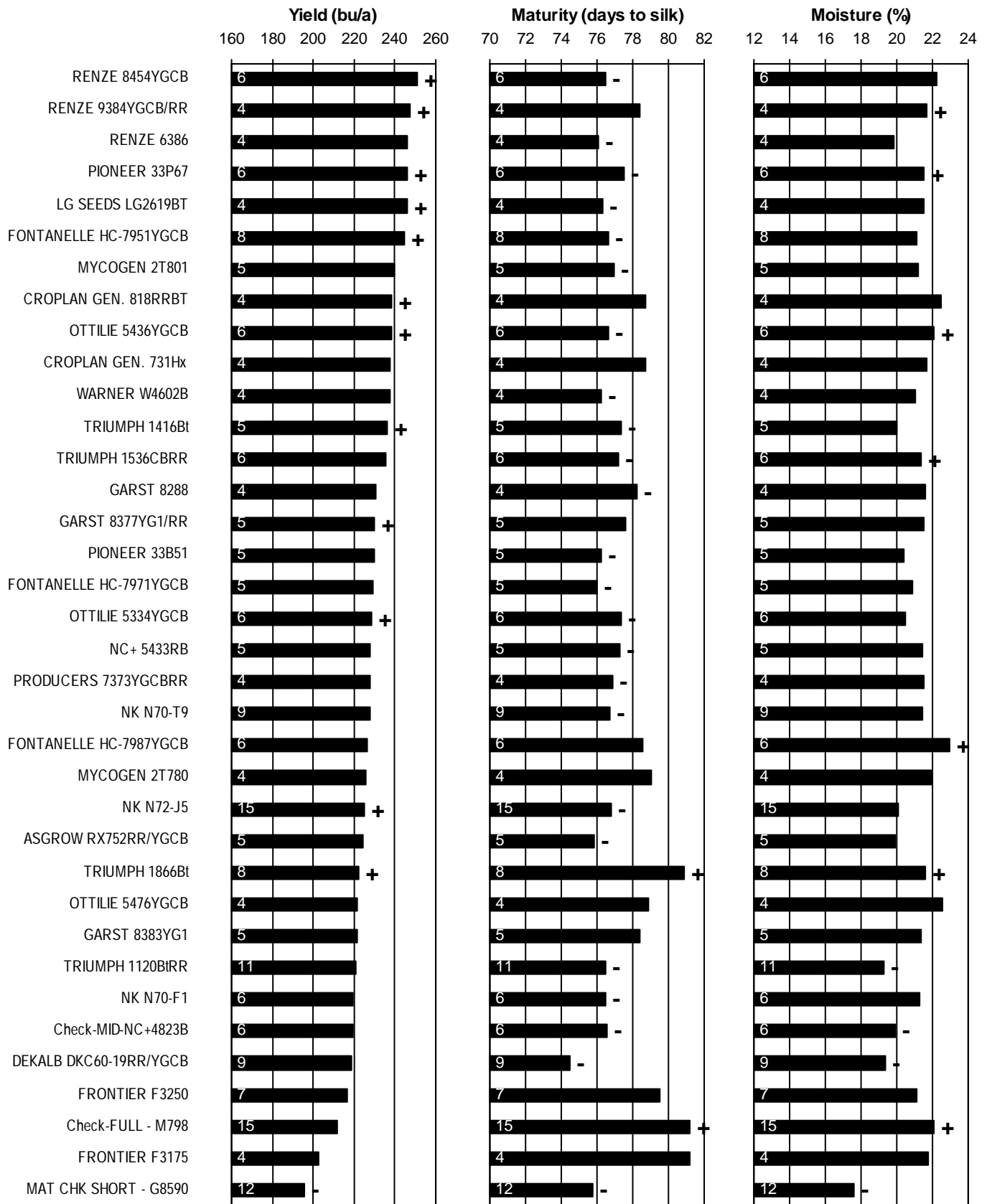


Figure 9. WEST Kansas IRRIGATED corn hybrid standardized performance summary, 2001-2005.

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

Table 28. Entries in the 2005 Kansas Corn Performance Tests*

	SD TRT	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
AGSOURCE							CROPLAN GEN.						
5783	C125	--	108	CB	N	Y	799Bt	C	2840	115	CB	N	Y
5883YGCB	C125	2680	108	CB	N	Y	DEKALB						
5973YGCB	P250	--	110	CB	N	S	DKC47-10RR/YGC	P250	2420	97	RR,CB	--	--
6150	C125	--	110	--	N	S	DKC50-20RR/YGC	P250	2520	100	RR,CB	--	--
5923	P250	--	111	--	N	S	DKC52-47RR/YGC	P250	2550	102	RR,CB	--	--
6153Hx	P250	--	111	Hx,LL	N	S	DKC53-34RR2/YG	P250	2585	103	RR,CB	--	--
6166YGCBRR	C125	--	111	CB,RR	N	Y	DKC54-51YGCB	P250	2585	104	CB	--	--
6293HX	P250	--	111	Hx,LL	N	Y	DKC55-82RR2	P250	2630	105	RR	--	--
6236YGCBRR	C125	--	112	CB,RR	N	S	DKC57-30	P250	2650	107	--	--	--
6483HX	C125	--	112	Hx,LL	N	Y	DKC60-19RR/YGC	P250	2750	110	RR,CB	--	--
6273YGCB	C125	2700	112	CB	N	Y	DKC61-72RR2	P250	2760	111	RR	--	--
6696YGCBRR	C125	--	113	CB,RR	N	Y	DKC63-62RR2	P250	2790	113	RR	--	--
X55314	P250	--	114	CB	N	Y	DKC63-81RR/YGC	P250	2790	113	RR,CB	--	--
x56115	P250	--	114	CB	N	Y	DYNA-GRO						
6746CBRR	P250	--	115	CB	N	Y	56K70	P	2725	109	RR	N	N
7243YGCB	C125	2800	115	CB	N	S	CXO4512	P	2775	112	--	--	N
7793HX	P250	--	117	Hx,LL	N	Y	57F70	P	2800	112	CB	N	Y
7976YGCBRR	P250	--	117	CB,RR	N	Y	57P46	P	2825	113	RR,CB	Y	Y
7883YGCB	C125	--	118	CB	N	Y	57F37	P	2835	114	--	N	Y
x51118	P250	--	118	RR	N	Y	57P93	P	2855	115	RR,CB	Y	Y
ASGROW							57P12	P	2875	115	RR,CB	Y	Y
RX668RR2/YGCB	P250	2740	107	RR,CB	--	--	FONTANELLE						
RX715RR2	P250	2750	111	RR	--	--	HC-7R418	P250	--	110	RR	Y	Y
RX752RR/YGCB	P250	2750	112	RR,CB	--	--	5215	P250	--	112	--	--	Y
RX785RR2/YGCB	P250	2790	113	RR,CB	--	--	HC-8N422	P250	--	112	CB,RR	--	Y
CIRCLE							HC-8B436	P250	--	113	CB	--	Y
2605RR/YGCB	P250	2560	105	RR,CB	Y	Y	HC-8H911	P250	--	114	Hx	--	Y
5606YGCB	P250	2580	106	CB	Y	Y	HC-7951YGCB	P250	--	115	CB	--	Y
0608A	P250	2595	108	--	Y	Y	HC-7971YGCB	P250	--	115	CB	--	Y
8609HX	P250	2580	109	Hx	Y	Y	HC-7931YGCB	P250	--	116	CB	--	Y
CS-0409	P250	2580	109	--	Y	Y	GARST						
6199RR/YGCB	P250	2630	112	RR,CB	N	Y	8880YG1	C	2260	96	CB	N	N
8414HX	P250	2685	114	Hx	N	Y	8676IT	C	2550	105	CL	N	Y
8274YGCB	P250	2690	114	CB	--	Y	8534YG1/RR	C	2560	108	CB,RR	N	Y
8005RR/YGCB	P250	2710	114	RR,CB	N	Y	8545	C	2555	109	--	N	Y
8624YGCB	P250	2720	116	CB	--	Y	8566YG1	C	2565	109	CB	N	N
9014RR/YGCB	P250	2720	117	RR,CB	N	Y	7661RR	C	2575	109	RR	N	Y
CROPLAN GEN.							8451RR	C	2600	111	RR	N	Y
521Bt	C	2530	105	CB	N	Y	8377YG1/RR	C	2620	115	CB,RR	N	Y
556Hx/LL	C	2560	105	Hx,LL	N	Y	8380IT	C	2640	115	CL	N	Y
598	C	2335	107	--	N	Y	8275YG1	C	2660	116	CB	N	Y
663Bt	C	--	112	CB	N	S	8287RR	C	2670	116	RR	N	Y
667Hx	C	2750	112	Hx,LL	N	N	8225YG1/RR	C	2650	117	CB,RR	N	Y
691Bt	C	2750	112	CB	N	Y	8292YG1	C	2690	118	CB	N	Y
693Bt/CL	C	2750	112	CB,CL	Y	N	GOLDEN ACRES						
731Hx	C	2780	114	CB,LL	N	Y	2831RRB	P250	2775	115	CB,RR	N	Y
751RR/Bt	C	2780	114	RR,CB	N	Y	2841RRB	P250	2830	117	CB,RR	N	Y

(continued)

Table 28. Entries in the 2005 Kansas Corn Performance Tests - continued.

	SD TRT	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
GRAND VALLEY							LG SEEDS						
22B70	--	2490	--	RR,CB	--	Y	LG2640BT	P250	2695	114	CB	N	Y
23P03	--	2570	--	RR,CB,RW	--	Y	LG2727	P250	2700	115	--	N	Y
23B05	--	2590	--	RR,CB	--	Y	MIDLAND						
23P95	--	2710	--	RR,CB,RW	--	Y	MG116	P250	2520	101	--	Y	Y
HAWKEYE							MG106Bt	P250	2525	102	CB	Y	Y
316Bt	P250	2620	113	CB	Y	Y	MG436Bt	P250	2780	111	CB	Y	Y
HPH							MG7A53Bt	P250	2780	111	CB	Y	Y
5115HX	--	--	111	Hx,LL	N	Y	MG7B13BtRR	P250	2780	111	CB,RR	Y	Y
3131YGRW	--	--	113	RW	N	Y	MG7A15Bt	C	2820	113	CB	Y	Y
EXP	--	--	115	--	N	Y	MG7A28Bt	C	2840	116	CB	Y	Y
5160	--	--	116	--	N	Y	MG7B63Hx	P250	2840	116	CB,LL	Y	Y
5171	--	--	117	--	N	Y	MG7A58Bt	P250	2840	117	CB	Y	Y
KAYSTAR							MG7A55Hx	P250	2860	118	CB,LL	Y	Y
KX-8615Bt	C	--	--	CB	N	Y	MIDLAND-PHILLIPS						
X-5121Bt	C	--	--	CB	N	Y	712YGCB	P	2780	109	CB	Y	Y
KX-898	C	--	114	--	N	Y	7B13RRYGCB	P	2780	109	RR,CB	Y	Y
KRUGER							7B15RRYGCB	P	2800	112	RR,CB	Y	Y
K-8614HX	P250	--	--	Hx	--	--	7A29RRYGCB	P	2850	114	RR,CB	Y	Y
K-1500RR	P250	2475	100	RR	Y	Y	MIDWEST SEED						
K-8602HX	P250	2500	102	Hx	Y	Y	7135RB	C	2380	100	RR,CB	Y	Y
K-9203RR/YGCB	P250	2520	102	RR,CB	Y	Y	7806RB	C	2570	110	RR,CB	Y	Y
K-5504YGCB	P250	2525	103	CB	Y	Y	7H261	C	2650	111	Hx,LL	Y	Y
K-2506RR/YGCB	P250	2550	105	RR,CB	Y	Y	G 8762B	C	2740	116	CB	Y	Y
K-5505YGCB	P250	2560	105	CB	Y	Y	MYCOGEN						
K-9111YGCB	P250	2620	111	CB	Y	Y	2P682	C	2560	109	--	N	Y
K-9212RR/YGCB	P250	2660	112	RR,CB	N	Y	2E705	C	2640	111	CB	--	Y
K-9313YGCB	P250	2675	113	CB	Y	Y	2E762	C	2640	111	RR,CB	--	Y
K-5313YGCB	P250	2685	113	CB	Y	N	2G768	C	2685	113	LL,Hx	N	Y
K-0614A	P250	2685	114	--	Y	Y	2T801	C	2665	114	RR,CB	--	Y
K-5514YGCB	P250	2685	114	CB	Y	Y	2T780	C	2670	114	LL,Hx	--	Y
K-8414HX	P250	2685	114	Hx	N	Y	2P781	C	2685	114	RR	--	Y
K-5416YGCB	P250	2690	115	CB	Y	Y	2A812	C	2715	114	LL,Hx	N	Y
K-9115RR/YGCB	P250	2690	115	RR,CB	N	Y	2G830	C	2765	117	--	--	Y
K-0516	P250	2690	116	--	Y	Y	NC+						
K-5616YGCB	P250	2690	116	CB	Y	Y	3534R	P250	2530	106	CB	N	N
K-0617A	P250	2700	116	--	Y	Y	3601	P250	2500	107	--	N	N
K-2517RR/YGCB	P250	2700	116	RR,CB	N	Y	3903R	LHB	2570	109	RR	N	N
K-5517YGCB	P250	2700	116	CB	N	Y	4492BC	P250	2670	111	CL,CB	N	Y
K-5617YGCB	P250	2700	116	CB	Y	Y	4826RB	P250	2710	112	RR,CB	N	Y
LEWIS							4574RB	LHB	2740	112	RR,CB	N	Y
7226RR	--	--	--	RR	--	--	5381	P250	2760	114	--	N	N
7044YGCB	--	--	116	CB	N	Y	5433RB	P250	2760	114	CB,RR	N	Y
LG SEEDS							5444BD	P250	2760	114	CB,RW	N	Y
LG2600BT	P250	2620	112	CB	N	Y	5555HL	LHB	2790	114	Hx,LL	N	Y
LG2619BT	P250	2680	113	CB	N	Y	NK						
LG2619BT/RR	P250	2680	113	CB,RR	N	Y	N58-L8	C	2630	106	RR	Y	Y
LG2633BT	P250	2685	114	CB	N	Y	N65-M7	C	2690	109	--	Y	Y

(continued)

Table 28. Entries in the 2005 Kansas Corn Performance Tests - continued.

	SD TRT	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
NK							RENZE						
N70-T9	C	2670	110	CB,CL,LL	Y	Y	9454YGCB/RR	P250	--	116	CB,RR	N	Y
N72-J5	C	2780	112	--	Y	Y	8526YGCB	P250	--	117	CB	N	Y
N76-D3	C	2800	113	CB,LL	Y	Y	9526YGCB/RR	P250	--	117	CB,RR	N	Y
N76-H2	C	2800	113	--	Y	Y	EXP8546YGCB	P250	--	119	CB	N	Y
N76-M5	C	2835	115	CB,LL	Y	Y							
OTTILIE							STINE						
5334YGCB	--	2730	113	CB	N	Y	9620YGCB	P250	2420	105	CB	N	Y
5436YGCB	--	2750	114	CB	N	Y	9622YGCB	P250	2430	106	CB	N	Y
5476YGCB	--	2760	114	CB	N	Y	9703YGCB	P250	2530	112	CB	N	Y
							9724	P250	2530	112	--	N	Y
							9803YGCB	P250	2620	114	CB	N	Y
							9804YGCB	P250	2630	115	CB	N	Y
PFISTER							TAYLOR						
2656BtRR	P1250	2750	110	CB,RR	N	Y	EXPF-105RR/Bt	P250	--	105	RR,CB	--	--
2730Bt	P1250	2770	113	CB	N	Y	EXPC-112Bt	P250	--	112	CB	--	--
3356RRBt	P1250	2800	115	RR,CB	N	Y	EXPC-113A	P250	--	113	--	--	--
							EXPC-115Bt	P250	--	114	CB	--	--
							EXPF-116Hx	P250	--	115	LL,CB	--	--
PHILLIPS							TRIUMPH						
7B15RRYGCB	P	2780	112	RR,CB	Y	Y	5433CBRR	P250	2340	106	CB,RR	N	Y
7A29RRYGCB	P	2780	114	RR,CB	Y	Y	7861CBRR	P250	--	108	CB,RR	N	Y
758RR	P	2900	117	RR	Y	Y	1416Bt	P250	2510	113	CB	N	Y
							1416RR	P250	2510	113	RR	N	Y
							1536CBRR	P250	2550	115	CB,RR	N	Y
							TRX5603CBRR	P250	--	117	CB,RR	M	Y
							1866Bt	P250	2610	117	CB	N	Y
PIONEER							WARNER						
34B99	P1250	2590	--	CB,LL	N	Y	W4200B	P1250	--	103	CB	N	Y
34P88	P1250	2650	--	--	N	Y	W4201B	P1250	--	104	CB	N	Y
33B54	P1250	2700	--	CB,RR	N	Y	W4602B	P1250	--	115	CB	N	Y
32B29	P1250	2770	--	CB,RR	N	Y	WXC1201	--	--	117	--	N	Y
31G68	P1250	2800	--	CB	Y	Y							
35P10	P1250	2490	104	CB,RR	N	Y							
35D28	P1250	2570	106	--	N	Y							
34M93	P1250	2650	111	CB,LL	N	N							
33K39	P1250	2700	112	--	N	Y							
33R78	P1250	2750	115	CB	N	Y							
31N28	P1250	2870	120	CB	Y	Y							
PREMIUM							WILLCROSS						
P212	--	2475	--	--	N	Y	3063	P250	--	--	--	N	Y
P252	--	2550	--	--	N	Y	3105	P250	--	--	--	N	Y
PRODUCERS							MATURITY CHECK						
6943YGCBRR	--	--	--	RR,CB	--	Y	SHRT-DKC50-20	--	2528	100	RR,CB	--	Y
7371YGCB	C	2620	--	Bt	N	Y	MID-NC+4823B	--	2710	112	CB	N	Y
7373YGCBRR	C	2615	113	RR,CB	N	Y	FULL - M798	--	2820	115	--	Y	Y
RENZE													
8286YGCB	P250	--	110	CB	N	Y							
8336YGCB	P250	--	111	CB	N	Y							
6386	P250	--	112	--	N	Y							
6375	P250	--	113	--	N	Y							
6406	P250	--	113	--	N	Y							
9365YGCB/RR	P250	--	113	CB,RR	N	Y							
8386YGCB	P250	--	115	CB	N	Y							
8394YGCB	P250	--	115	CB	N	Y							
8454YGCB	P250	--	116	CB	N	Y							

*SD TRT = Seed treatment (C=Cruiser®, P=Poncho®, LHB=Latitude® hopper box treatment containing Gaucho®. Numbers indicate rates if available); GDD = growing degree days; DBL = days to black layer; RES = herbicide, disease, and insect resistance traits (Bt, BtCB, YG, YGCB, Hx = transgenic corn borer protection; BtRW, YGRW, HxRW = transgenic rootworm protection; 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.

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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.

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