

2008

Kansas Performance Tests with

Corn Hybrids

Report of Progress 1000



**Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service**

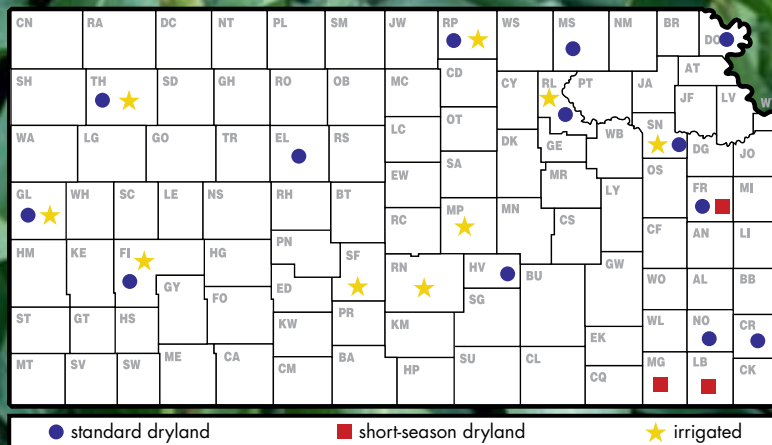


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2008 CORN CROP REVIEW

Statewide Growing Conditions

The 2008 growing season was delayed by widely spread rains and wet soil conditions until later in the spring (Figure 1). Frequent rains and cooler than normal temperatures continued through June and July. The end of July brought drier weather, causing some stress to the rapidly developing corn. Rains and cool weather returned in October, and many acres of corn were subjected to freezing temperatures before reaching maturity. Harvest was delayed into November for some areas of Kansas. Condition of the 2008 corn crop was, for the most part, rated as good or fair throughout the growing season (Figure 2).

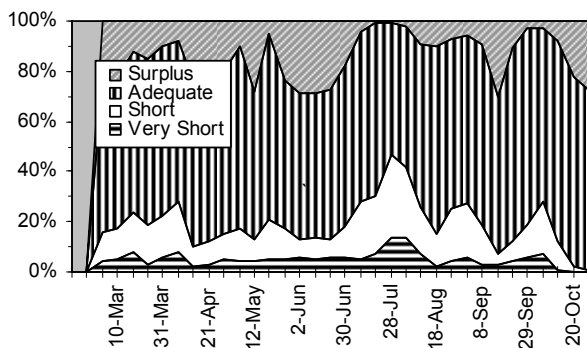


Figure 1. Statewide status of topsoil moisture

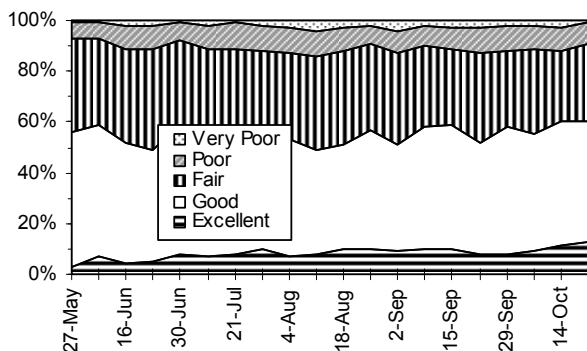


Figure 2. Condition of 2008 Kansas corn crop

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

Harvest Statistics

The October 10 Crops Report predicted a 493.2 million-bushel crop, down 5% from last year. In 2008, 3.6 million acres were harvested for grain, down 3% from 2007. The predicted average yield of 137 bushels per acre is 3 bushels less than the previous year. (Kansas Agricultural Statistics Service, Topeka)

Diseases

Several diseases had economic effects on the 2008 Kansas corn crop. Most notable was gray leaf spot (GLS). This disease was prevalent over a wide area of the state; the most significant levels were reported from the Kansas River valley and south central Kansas. In some fields planted to susceptible hybrids, GLS lesions could be found on leaves above the ear at silking.

Southern rust was also of economic significance in 2008. This disease, which blows in from the South each year, arrived at least 2 weeks earlier than normal. Fungicide applications were needed in late fields planted to susceptible hybrids.

Common rust was also present at levels far above normal. Research on this disease, however, indicates that fungicide control is rarely beneficial because of its relatively small effect on yield.

Above average levels of stalk rot were being reported from around the state as harvest began. Both *Fusarium* stalk rot and charcoal rot have been identified.

Other diseases reported in 2008 included *Physoderma* brown spot, wheat streak mosaic virus, anthracnose, head smut, common smut, *Diplodia* ear rot and Goss's bacterial wilt. Though perhaps important in individual fields, none of these diseases occurred on a widespread basis. (Doug Jardine, Kansas State University Department of Plant Pathology)

Insects

Problems from early season corn pests were scattered throughout the state. Some reports of wireworm damage and white grub-reduced stands were noted in the eastern half of the state.

Spider mite populations started to become apparent in early July in western Kansas, but cooler weather settled in and populations seemed to decline.

Many reports of fall armyworm problems were received from late planted corn, but overall, corn insect pests were about average, or even a little less, throughout the state. For the most part, corn producers seem to be doing a good job of managing perennial corn insect pests. (Jeff Whitworth, Kansas State University Department of Entomology)

2008 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 finance the tests. 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. Many companies submit seed treated with systemic insecticides (Cruiser, Maxim, Poncho) that can affect yield in some situations. A column listing insecticide seed treatments for each hybrid in Table 16 is included to help interpret yield results.

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.

Explanatory information is given preceding data summaries for each test. Tables 2 through 15 contain results from the individual performance tests. Hybrids are listed together by company name.

Figures 3 through 9 graphically summarize yield and maturity information over the past few years for each region. Relative maturity is measured in terms of both number of days from planting to silking and grain moisture at harvest and can be critical when considering a corn hybrid for a specific cropping system. 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 whether a hybrid was significantly greater (+) or less (-) than the average of the check hybrids.

A summary of growing season weather data is given for individual test discussions. Precipitation graphs include cumulative lines for 2008 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 is also 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.

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.

Grain yields are reported as bushels per acre of shelled grain (56 lb/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. 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 can 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.

Small differences in yield should not be overemphasized. Relative ranking and large differences are better indicators of performance. Least significant differences (LSD) are shown at the bottom of each table. Unless two hybrids 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 displayed 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 2008 Kansas Corn Performance Tests

AgriGold Hybrids St. Francisville, IL 618-943-5776 agrigold.com	Kruger Seed Co. Dike, IA 319-989-2414 krugerseed.com	NuTech Seed, LLC Forest City, IA 641-581-3350 info@yieldleader.com	Renze Hybrids Inc. Carroll, IA 800-634-2676 renzehybrids.com
AgVenture of Eastern KS, LLC Iola, KS 620-228-3148	Lewis Hybrids, Inc. Ursa, IL 217-964-2131 lewishybrids.com	Otilie RO Seed Marshalltown, IA 800-798-6884 otilliero@hughes.net	Stine Seed Co. Adel, IA 317-758-0800
DeKalb (Monsanto Seed) St. Louis, MO 314-694-1000 monsanto.com	LG Seeds Elmwood, IL 800-752-6847 lgseeds.com	Pfister Hybrid Corn Co. El Paso, IL 888-647-3478 pfisterhybrid.com	Sylvester Ranch Inc. Ottawa, KS 785-242-3598 info@sylvesterseed.com
Dyna-Gro Goodard, KS 800-950-2231 uap.com	MFA Incorporated Columbia, MO 573-876-5482 mfa-inc.com	Phillips Seed Farms, Inc Hope, KS 785-949-2204 info@phillipsseed.com	Taylor Seed Farms, Inc. White Cloud, KS 785-595-3236 taylorseedfarms.com
Fielder's Choice (Grow Direct) Monticello, IN 800-321-3177 fielderschoicedirect.com	Midland Genetics Group Ottawa, KS 785-242-3598 info@midlandgenetics.com	Pioneer Hi-Bred Intl., Inc. Lincoln, NE 402-467-5458 pioneer.com	Triumph Seed Co., Inc. Ralls, TX 800-530-4789 triumphseed.com
Fontanelle Hybrids Fremont, NE 402-721-8567 fontanelle.com	Mycogen Seeds Indianapolis, IN 1-800-MYCOGEN mycogen.com	Premium Seed, Inc. Berwick, IL 309-462-2396 premiumseed.com	
G2 Genetics by NuTech Forest City, IA 641-581-3350 info@yieldleader.com	NC+/Midwest (Channel Bio Corp.) Lincoln, NE 800-279-4217	Producers Hybrids Battle Creek, NE 888-675-3190 producershybrids.com	

NORTHEAST KANSAS DRYLAND CORN TESTS

Al Fuhrman Farm, Severance; Fuhrman Farms, Inc.

Ulysses silt loam; Soybeans in 2007

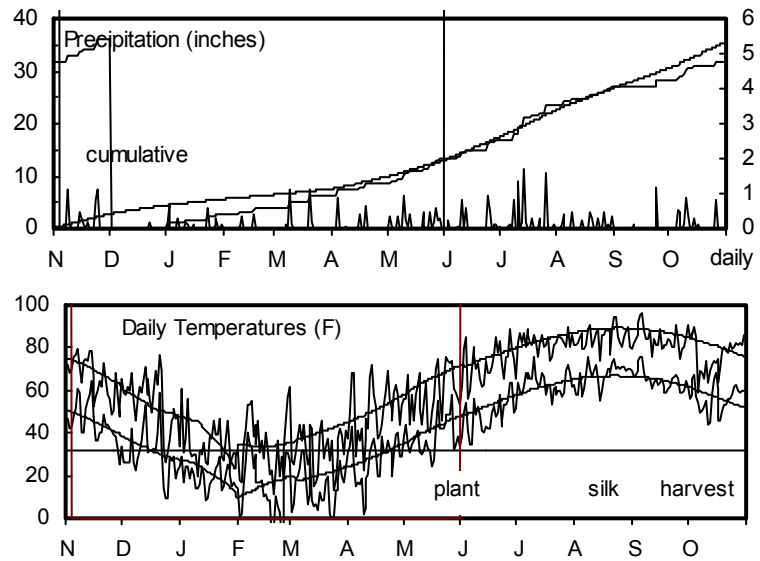
110 - 0 - 0 lb/a N, P, K

Planted on 5/1/2008; Harvested on 10/3/2008

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

Frequent rains and milder summer temperatures led to good yields.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	8.5	7.1	31	34	231	34
April	4.8	3.1	49	54	164	231
May	3.5	4.5	61	64	393	447
June	6.8	5.0	73	73	686	688
July	3.3	4.2	76	78	782	813
August	1.3	4.0	74	76	735	781
Oct.	8.0	7.6	61	63	771	551
Totals:	36.2	35.4	51	53	3,760	3,545



Randy Jacobson Farm, Waterville; Randy Jacobson, farmer/cooperator

Kipson silty clay loam; Soybeans in 2007

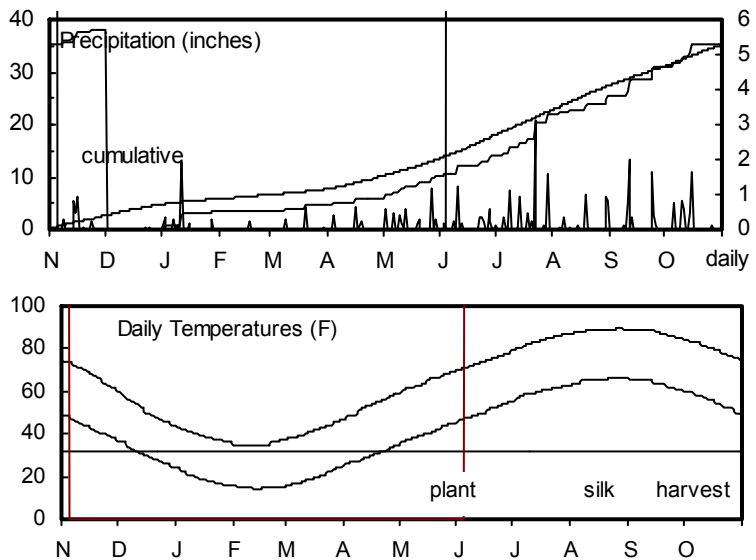
110 - 0 - 0 lb/a N, P, K

Planted on 5/5/2008; Harvested on 10/4/2008

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

Extremely heavy rains after planting affected emergence and stands.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	6.1	7.6	33	33	58	58
April	4.3	3.2	53	53	223	223
May	3.7	4.6	62	62	400	400
June	8.1	4.6	72	72	656	656
July	3.4	4.7	77	77	792	792
August	5.4	3.8	75	75	763	763
Oct.	7.2	6.5	61	61	518	518
Totals:	38.1	35.0	53	53	3,409	3,409



NORTHEAST KANSAS DRYLAND CORN TEST continued.

Agronomy North Farm, Manhattan; Jane Lingenfelter, agronomist

Reading silt loam; Soybeans in 2007

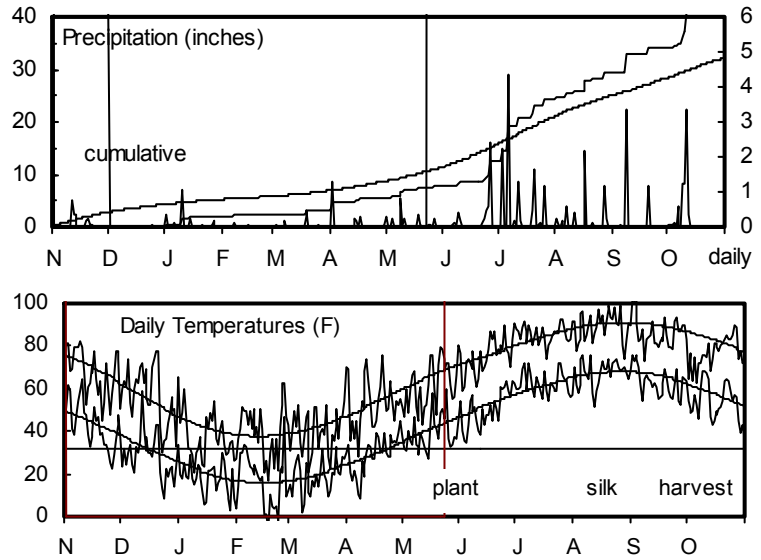
90 - 0 - 0 lb/a N, P, K

Planted on 4/23/2008; Harvested on 10/1/2008

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

Good growing conditions for most of the growing season; some stress during pollination.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	5.6	6.0	34	35	284	57
April	2.1	2.6	51	53	200	237
May	4.8	4.5	63	64	454	441
June	12.0	5.1	74	73	699	685
July	5.1	4.0	78	79	806	823
August	4.6	3.5	74	78	707	801
Oct.	9.0	6.4	60	63	806	587
Totals:	43.2	32.1	53	54	3,956	3,628



North Central Kansas Experiment Field, Belleville; Barney Gordon. agronomist: Michael Larson and Doug Stensaas. technicians.

Crete silt loam; Soybeans in 2007

180 - 30 - 10 lb/a N, P, K

Planted on 5/8/2008; Harvested on 10/20/2008

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

Very wet spring delayed planting into early May. Some moisture stress in the 2nd half of July.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	9.6	4.8	33	32	278	25
April	7.5	2.3	51	52	226	217
May	5.0	3.7	64	63	467	421
June	3.4	4.6	74	73	693	679
July	4.5	3.4	79	78	816	807
August	0.0	3.4	75	77	726	780
Oct.	0.0	5.3	61	62	794	538
Totals:	30.0	27.4	52	52	4,000	3,468

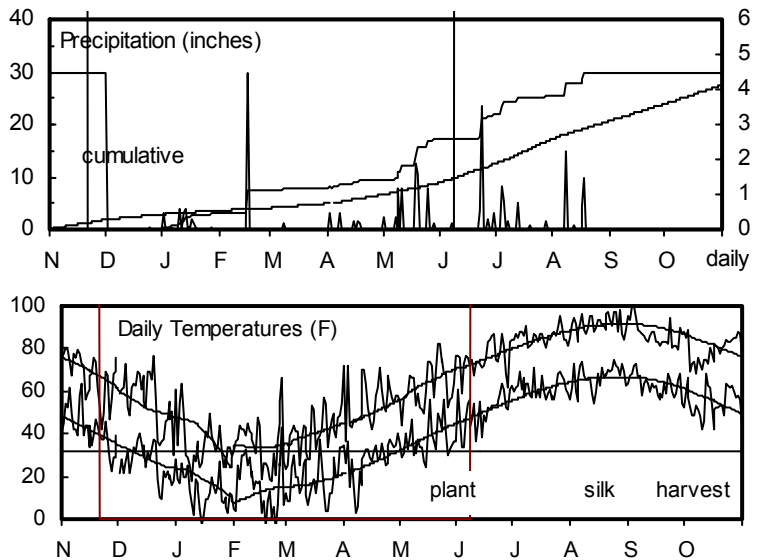


TABLE 2. NORTHEAST KANSAS DRYLAND CORN PERFORMANCE TESTS, 2008

BRAND	NAME	MANHATTAN, Riley County					SEVERANCE, Doniphan County					WATERVILLE, Marshall County					BELLEVILLE, Republic County									
		YIELD (bu/a)	P AVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	P AVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	P AVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	P AVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	
AGRIGOLD	A6399VT3	185	99	57	17	78	22.3	198	100	57	17	72	19.7	102	70	59	15	16.8								
AGRIGOLD	A6499VT3	215	100	58	17	76	23.9	215	109	57	18	73	21.6	162	110	59	17	17.4								
AGRIGOLD	A6489VT3	168	89	58	16	77	21.9	207	105	58	19	73	21.4	149	102	59	17	19.0								
AGRIGOLD	A6533VT3	193	103	57	17	77	21.1	204	103	56	18	72	19.3	145	99	59	16	18.6								
DEKALB	DKC50-19																		194	109	58	15	66	26.1		
DEKALB	DKC50-44																		198	111	58	15	66	25.8		
DEKALB	DKC52-59																		172	97	57	15	69	27.0		
DEKALB	DKC58-16													148	101	58	14	20.2								
DEKALB	DK051-59	182	97	58	16	78	22.9							167	114	59	16	16.8								
DYNA-GRO	57B84																		178	100	59	17	68	24.6		
DYNA-GRO	57P12																		164	92	58	17	72	26.0		
DYNA-GRO	57P56																		174	98	59	17	71	25.9		
DYNA-GRO	57P93																		163	92	59	16	69	25.0		
DYNA-GRO	57R91	184	98	58	17	79	20.2												162	91	58	15	71	25.3		
DYNA-GRO	57T61																		176	99	59	16	71	25.4		
DYNA-GRO	57V05																		175	99	58	17	71	26.3		
DYNA-GRO	57V07	185	99	57	17	77	21.6	214	108	55	19	73	20.9	174	119	57	17	21.5	174	98	59	16	70	25.2		
DYNA-GRO	57V21	189	100	58	17	77	21.5	220	111	54	20	73	20.1	147	101	58	17	19.9	186	105	58	17	69	24.1		
DYNA-GRO	57V30	193	103	57	17	77	24.2																			
DYNA-GRO	57V62																		181	102	56	16	71	24.9		
DYNA-GRO	57V77	183	98	58	17	80	23.2																			
DYNA-GRO	58P27																		186	105	58	17	73	24.2		
DYNA-GRO	58P60																		178	100	59	17	73	26.1		
FONTANELLE	7951YGB	202	108	58	18	77	22.7																			
FONTANELLE	77231	190	101	58	17	75	23.7																			
FONTANELLE	88467	193	103	57	17	79	23.6																			
FONTANELLE	807389	198	100	57	16	77	24.0																			
FONTANELLE	87141	187	100	58	17	78	24.2																			
FONTANELLE	87169	193	103	57	17	79	24.1																			
G2 GEN. by NUTECH	0A-615	194	103	57	17	79	20.8	199	101	58	18	71	20.6	149	102	58	16	16.5								
G2 GEN. by NUTECH	1H-715 HXLL													147	100	58	17	18.7								
G2 GEN. by NUTECH	1H-716 HXLL	183	97	58	16	77	21.5	188	95	58	20	75	19.7	140	96	59	16	17.3								
G2 GEN. by NUTECH	1H-911 HXLL	202	108	57	18	77	21.6	208	105	56	20	74	20.1	156	106	57	17	15.4								
G2 GEN. by NUTECH	1H-116 HXLL	151	97	59	16	77	23.5	187	94	57	19	75	21.8	139	96	59	17	16.5								
G2 GEN. by NUTECH	5H-212 RR/HX	197	105	57	16	77	23.7	192	97	59	19	78	21.4	163	111	60	16	17.4								
G2 GEN. by NUTECH	5H-314 RR/HX	187	100	57	16	76	22.3	153	78	59	19	76	19.3	155	106	61	17	18.1								
G2 GEN. by NUTECH	0A-508	183	97	57	16	77	23.0	188	95	56	20	74	19.8	143	98	61	15	17.3								
G2 GEN. by NUTECH	0A-715	196	104	58	17	77	22.6	201	102	56	21	76	21.4													
G2 GEN. by NUTECH	0A-911	191	102	58	17	77	21.9	197	100	59	20	72	19.0	147	100	59	17	16.4								
KRUGER	K-5116RYGCB	198	105	57	17	79	22.0	201	106	58	18	72	21.4	149	102	59	17	16.7								
KRUGER	K-6008VT3	185	98	58	16	76	23.2	176	89	57	17	71	21.3	149	101	59	15	17.3								
KRUGER	K-6011TS	176	94	58	17	79	22.8	176	89	58	17	73	21.3	121	82	60	16	17.1								
KRUGER	K-6013VT3	190	101	58	17	78	22.7	205	104	56	19	72	21.3	150	102	59	17	17.7								
KRUGER	K-6015VT3	156	83	58	16	76	22.9	218	110	58	19	72	20.5	133	91	59	17	20.2								
KRUGER	K-6114TS	198	100	58	17	78	21.7	201	102	58	18	72	19.8	138	94	59	16	17.7								
KRUGER	K-6114VT3	188	100	58	17	77	23.6	189	95	58	18	74	20.6	146	99	60	17	16.4								
KRUGER	K-6210TS	197	105	57	17	76	24.0	227	115	58	18	75	21.4	186	127	59	17	16.1								
KRUGER	K-6212TS	180	96	58	17	77	21.5	194	98	59	18	73	19.7	149	101	59	16	15.7								
KRUGER	K-6213VT3	191	102	58	17	76	23.1	218	110	57	18	73	22.6	153	104	59	17	18.0								
KRUGER	K-6411VT3	191	102	57	17	78	21.8	212	107	56	16	72	21.6	159	109	57	15	17.7								
KRUGER	K-6512VT3	181	96	58	17	78	24.0	195	99	58	18	72	22.0	137	93	60	17	16.0								
KRUGER	K-6517TS	180	96	58	16	76	20.2	180	91	56	19	73	20.5	134	92	58	18	20.6								
KRUGER	K-7010YG+	195	104	56	17	78	22.3	201	102	58	17	72	22.6	150	102	57	17	19.3								
KRUGER	K-8112HX	203	108	57	17	77	24.4	209	106	56	18	73	24.0	156	107	56	16	18.0								
KRUGER	K-8616HX	178	95	58	16	79	23.3	183	93	58	20	74	21.3	137	93	56	16	17.4								
KRUGER	K-9414RR/HXT	183	98	58	17	76	21.7	193	98	56	19	75	22.2	156	107	57	17	16.7								
LEWIS	7198VT3	180	96	57	16	78	22.6	219	111	55	19	75	21.0	145	99	57	18	15.8								
LEWIS	815VT3	186	104	57	17	78	21.5	172	87	59	18	74	18.4	151	103	59	17	17.4								
LEWIS	910CB/RR							186	94	57	17	73	20.1													
LEWIS	912CB	188	100	57																						

TABLE 2 continued. NORTHEAST KANSAS DRYLAND CORN PERFORMANCE TESTS, 2008

BRAND	NAME	MANHATTAN, Riley County					SEVERANCE, Doniphan County					WATERVILLE, Marshall County					BELLEVILLE, Republic County								
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa
RENZE	1499VT3	185	99	58	17	76	22.0	207	104	55	19	73	20.5	153	104	58	17	18.7	--	--	--	--	--	--	--
RENZE	1526VT3	204	109	58	17	78	21.3	215	109	56	19	75	19.4	154	105	57	17	18.1	--	--	--	--	--	--	--
RENZE	5X347HXTLL	186	99	58	17	78	23.2	192	97	56	19	73	25.3	143	98	58	17	15.5	--	--	--	--	--	--	--
RENZE	5X389HXTLL	189	100	58	17	75	21.4	195	99	56	17	72	19.3	159	109	58	15	16.5	--	--	--	--	--	--	--
RENZE	5X479HXTLL	170	90	58	17	77	21.8	175	88	55	19	73	19.4	130	89	58	17	17.6	--	--	--	--	--	--	--
SYLVESTER	417B1	--	--	--	--	--	--	--	--	--	--	--	--	143	98	57	17	--	--	--	--	--	--	--	--
SYLVESTER	417HL	202	107	57	17	78	21.8	--	--	--	--	--	--	--	--	--	--	--	152	86	58	16	70	24.2	
SYLVESTER	436BT	194	103	57	18	79	22.6	--	--	--	--	--	--	149	102	57	16	0.0	177	100	59	15	71	28.0	
SYLVESTER	638RR	--	--	--	--	--	--	--	--	--	--	--	--	170	116	61	17	--	--	--	--	--	--	--	--
SYLVESTER	658HL	200	106	57	17	78	23.7	--	--	--	--	--	--	152	104	54	17	0.0	183	103	59	17	72	25.0	
SYLVESTER	697BT	201	107	56	16	78	25.2	--	--	--	--	--	--	140	96	57	18	0.0	179	101	58	16	69	26.3	
SYLVESTER	715BRW	202	108	58	17	78	24.5	--	--	--	--	--	--	--	--	--	--	--	189	107	59	17	69	25.8	
SYLVESTER	779BT	180	96	57	17	79	22.9	--	--	--	--	--	--	147	101	58	16	0.0	171	96	59	16	70	25.2	
SYLVESTER	7A28BR	204	108	58	18	77	21.9	--	--	--	--	--	--	156	107	57	17	0.0	180	102	58	16	73	24.8	
SYLVESTER	7A58BR	172	91	57	17	78	22.3	--	--	--	--	--	--	159	108	57	18	0.0	192	108	57	18	71	25.3	
TAYLOR	644	--	--	--	--	--	--	196	99	58	18	73	21.6	--	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	2230	186	99	58	17	76	24.1	222	112	57	18	73	22.0	141	96	58	16	19.9	183	103	59	17	72	25.8	
TAYLOR	2260	--	--	--	--	--	--	--	--	--	--	--	--	139	95	57	17	16.7	--	--	--	--	--	--	--
TAYLOR	C-113-08	--	--	--	--	--	--	223	113	58	18	73	25.6	148	101	60	16	15.5	--	--	--	--	--	--	--
TAYLOR	C-114-08	--	--	--	--	--	--	--	--	--	--	--	--	141	96	59	16	16.8	--	--	--	--	--	--	--
TAYLOR	C-36112	--	--	--	--	--	--	179	91	57	17	75	20.1	--	--	--	--	--	--	--	--	--	--	--	--
TRIUMPH	1808VT3	--	--	--	--	--	--	--	--	--	--	--	--	137	93	58	17	16.1	155	87	58	17	69	24.2	
TRIUMPH	1706VT3	--	--	--	--	--	--	207	105	56	20	78	20.1	--	--	--	--	--	--	--	--	--	--	--	--
TRIUMPH	1802CBRR	208	105	55	23	79	22.0	--	--	--	--	--	--	--	--	--	--	--	170	96	58	18	74	24.1	
AVERAGE	(bu/a)	188	188	58	17	77	22.7	198	198	57	18	73	21.2	147	147	58	16	17.3	178	178	58	16	70	25.4	
CV (%)		8	8	2	6	1	5	7	7	1	3	2	6	7	7	1	4	5	7	7	2	1	2	6	
LSD (0.05)		21	11	2	2	1	1.7	22	11	1	1	3	2.0	14	9	1	1	1.3	21	12	2	0	2	2.3	

* Seed treatments and hybrid traits located in Table 16.
 ** Yields in bold are in the top LSD group.
 *** Unless two hybrids differ by more than the LSD, little confidence can be placed in one being superior to the other.

TABLE 3. NORTHEAST KANSAS DRYLAND MULTI-YEAR YIELD PERCENT OF TEST AVERAGES, 2006-2008

BRAND	NAME	Manhattan, Riley County					Severance, Doniphan County					Belleville, Republic County				
		2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)
FONTANELLE	7851YGCB	106	100	103	104	103	--	--	--	--	--	--	--	--	--	--
KRUGER	K-8616Hx	95	93	98	94	96	93	91	97	92	94	--	--	--	--	--
MAT CHK	FULL-R8526YGCB	90	108	104	99	101	88	101	116	95	102	112	--	--	--	--
MAT CHK	SHRT-DKC50-20	104	92	78	98	91	82	87	89	85	86	106	92	--	99	--
MIDLAND	MG 436B1	--	--	--	--	--	101	103	105	102	103	--	--	--	--	--
MIDLAND	MG 7A28BR	--	--	--	--	--	108	94	95	102	99	--	--	--	--	--
MIDLAND	MG7A58BR	--	--	--	--	--	105	102	104	103	104	--	--	--	--	--
NUTECH	OC-616	--	--	--	--	--	106	104	107	105	106	--	--	--	--	--
AVERAGE (bu/a)		188	155	179	171	174	198	177	188	187	188	178	148	163	--	--
CV (%)		8	9	7	7	7	7	7	9	7	8	7	8	--	--	
LSD (.05)		11	19	17	11	11	21	23	23	12	19	--	--	--	--	

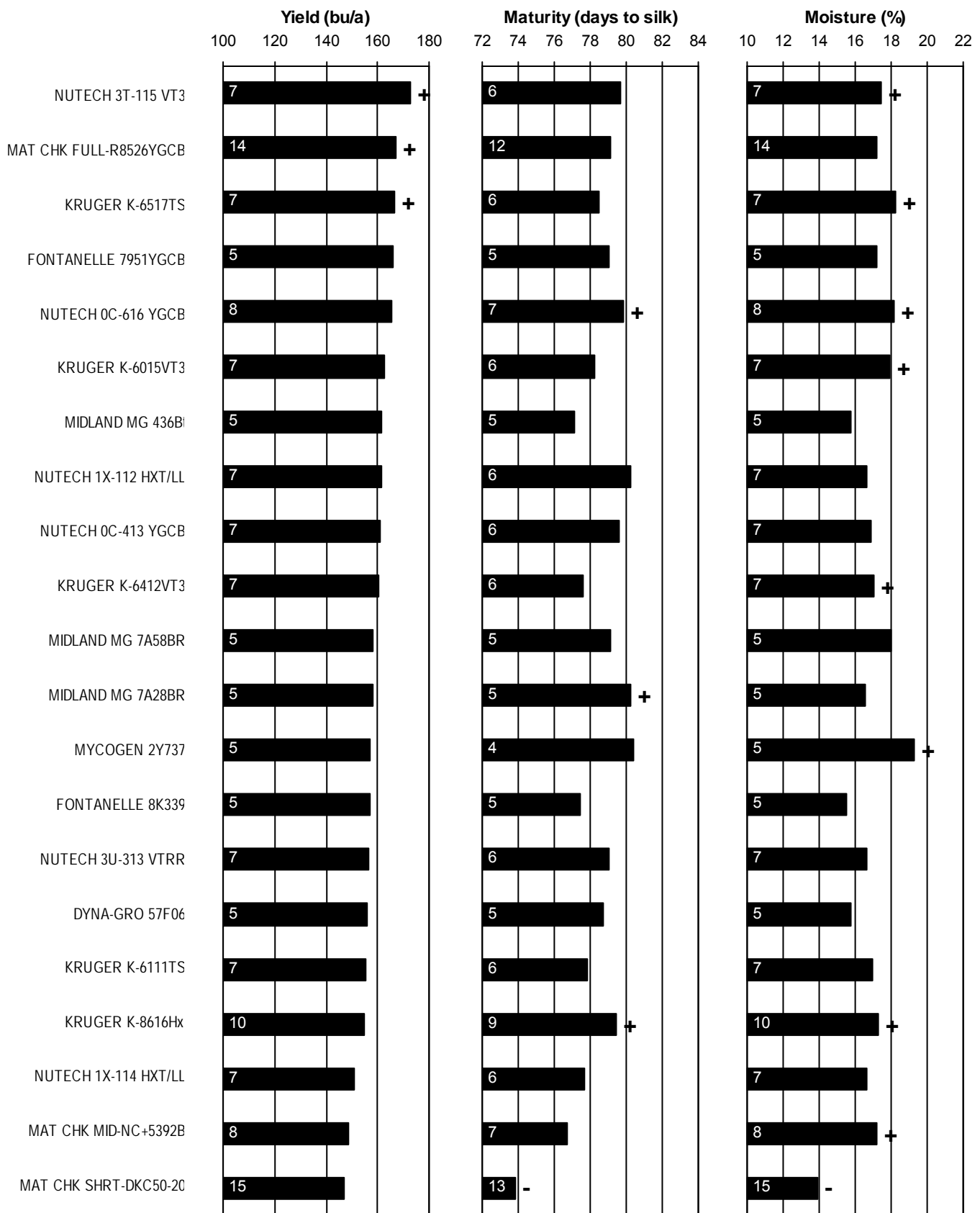


Figure 3. NORTHEAST Kansas Dryland corn hybrid standardized performance summary, 2004-2008

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

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

Eudora silt loam; Soybeans in 2007

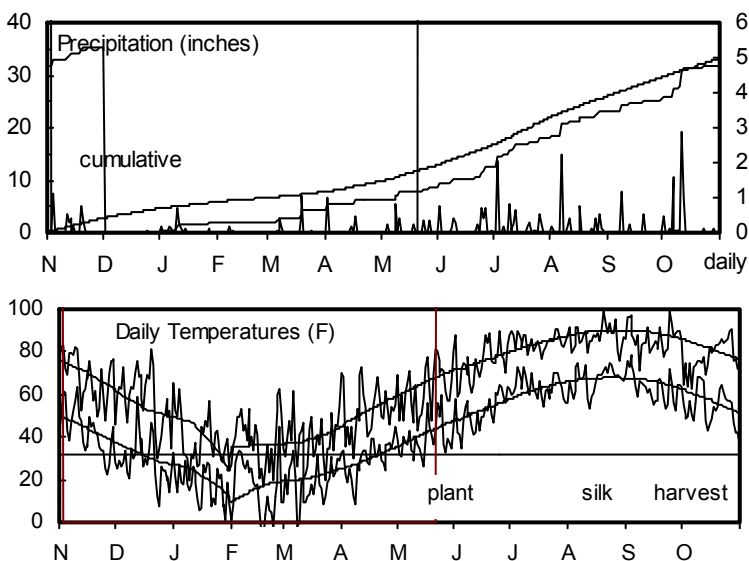
90 - 0 - 0 lb/a N, P, K

Planted on 4/21/2008; Harvested on 10/2/2008

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

Generally good growing conditions throughout the season.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	6.2	7.0	34	34	303	50
April	2.6	3.0	51	54	208	236
May	3.8	3.9	64	64	465	444
June	5.6	5.1	74	73	713	698
July	5.2	4.1	77	78	803	827
August	2.5	3.7	75	77	721	802
Oct.	9.6	6.2	60	63	809	571
Totals:	35.4	33.0	53	54	4,023	3,627



John Kramer Farm, Manhattan; John Kramer Farm

Eudora silt loam; Grain Sorghum in 2007

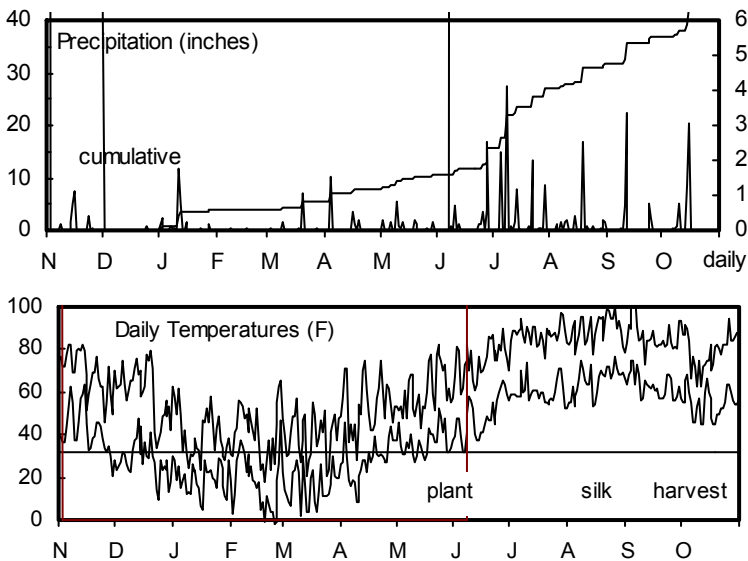
110 - 30 - 0 lb/a N, P, K

Planted on 5/8/2008; Harvested on 10/2/2008

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

Yields were affected by two hailstorms and a tornado in early summer.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	8.0		34		330	
April	2.5		49		173	
May	5.0		62		440	
June	11.4		74		674	
July	4.7		77		774	
August	5.3		75		719	
Oct.	8.2		61		834	
Totals:	45.2		53		3,944	



Irrigation Experiment Field, Scandia; Barney Gordon, agronomist; Michael Larson and Doug Stensaas, technicians

Crete silt loam; Soybeans in 2007

200 - 30 - 10 lb/a N, P, K

Planted on 5/1/2008; Harvested on 10/30/2008

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

Tornado on May 29 affected growth of crop for some time.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	4.4	4.9	32	35	257	
April	3.4	1.7	49	38	175	22
May	3.9	2.3	62	52	420	221
June	4.7	3.6	73	63	666	403
July	5.0	4.7	78	73	789	697
August	3.9	3.4	72	78	671	807
Oct.	8.6	6.8	60	73	777	1319
Totals:	34.0	27.4	51	52	3,755	3,468

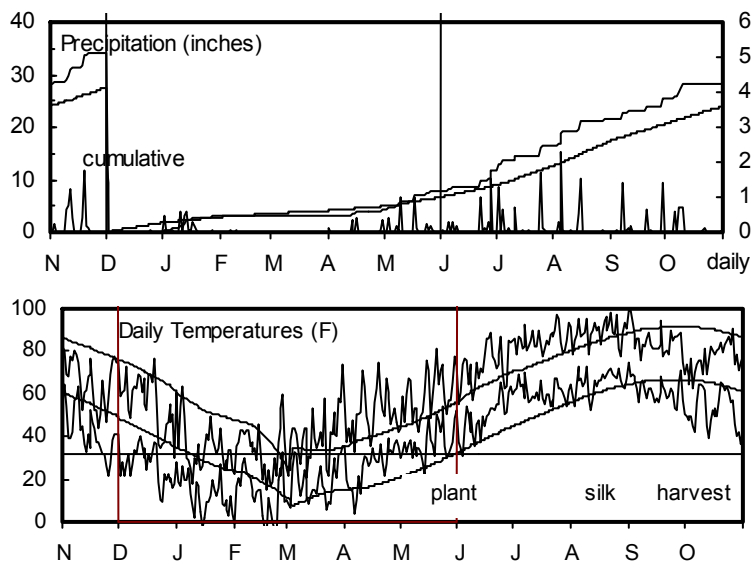


TABLE 4. NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN PERFORMANCE TESTS, 2008

BRAND	NAME	TOPEKA, Shawnee County					OGDEN, Riley County					SCANDIA, Republic County							
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa
AGRIGOLD	A6479VT3	199	99	59	16	70	26.1	113	97	57	17	66	15.4	224	104	17	59	77	35.2
AGRIGOLD	A6594VT3	195	97	58	16	69	26.1	136	117	56	18	67	15.7	205	95	18	58	77	34.2
AGRIGOLD	A6632VT3	206	103	58	16	69	26.2	146	125	55	19	63	19.7	225	105	17	59	77	33.1
AGRIGOLD	A6633VT3	208	104	57	15	69	26.8	115	99	56	18	64	16.1	211	98	17	59	77	34.4
DEKALB	DKC61-69	--	--	--	--	--	--	--	--	--	--	--	--	217	101	18	58	78	34.2
DEKALB	DKC63-42	189	94	57	15	69	26.0	--	--	--	--	--	--	--	--	--	--	--	--
DEKALB	DKC64-79	--	--	--	--	--	--	111	96	58	18	64	15.1	237	110	18	58	78	32.9
DYNA-GRO	57B94	204	102	59	16	68	25.1	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57F37	204	102	58	16	70	24.8	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57K41	--	--	--	--	--	--	109	94	57	17	65	19.3	--	--	--	--	--	--
DYNA-GRO	57K71	--	--	--	--	--	--	108	93	57	18	66	15.8	201	93	17	58	77	33.6
DYNA-GRO	57P56	--	--	--	--	--	--	135	116	56	18	64	20.3	--	--	--	--	--	--
DYNA-GRO	57R91	189	94	59	15	71	25.9	138	118	56	17	64	19.9	187	87	18	58	79	33.4
DYNA-GRO	57T61	--	--	--	--	--	--	97	83	56	19	66	19.4	--	--	--	--	--	--
DYNA-GRO	57V05	--	--	--	--	--	--	154	132	56	19	66	18.6	--	--	--	--	--	--
DYNA-GRO	57V07	214	106	58	16	69	26.8	128	110	55	17	65	16.7	194	90	18	58	78	26.6
DYNA-GRO	57V21	202	101	58	16	70	26.7	129	110	56	17	61	15.5	205	95	17	58	77	29.5
DYNA-GRO	57V30	174	87	59	15	69	26.1	151	130	56	18	63	16.1	--	--	--	--	--	--
DYNA-GRO	57V44	206	103	58	16	70	24.8	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57V62	187	93	59	16	69	25.9	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57V77	195	97	57	15	69	26.1	--	--	--	--	--	--	216	100	17	59	76	34.4
DYNA-GRO	57V98	--	--	--	--	--	--	--	--	--	--	--	--	210	98	17	59	76	31.1
DYNA-GRO	58P27	--	--	--	--	--	--	125	107	58	19	66	15.4	--	--	--	--	--	--
DYNA-GRO	58P60	--	--	--	--	--	--	107	92	56	20	66	20.0	--	--	--	--	--	--
DYNA-GRO	CX08514	--	--	--	--	--	--	123	106	56	17	65	18.1	--	--	--	--	--	--
FIELDER'S CHOICE	NG6686	--	--	--	--	--	--	114	98	57	16	66	18.4	--	--	--	--	--	--
FIELDER'S CHOICE	NG6733	--	--	--	--	--	--	107	91	56	17	63	13.5	--	--	--	--	--	--
FIELDER'S CHOICE	NG6781	--	--	--	--	--	--	105	90	56	18	64	12.3	--	--	--	--	--	--
FIELDER'S CHOICE	NG6783	--	--	--	--	--	--	105	90	56	17	65	14.5	--	--	--	--	--	--
FIELDER'S CHOICE	NG6793	--	--	--	--	--	--	135	116	56	18	64	13.9	--	--	--	--	--	--
FONTELLE	7951YGCB	211	105	58	16	69	26.1	129	111	57	18	65	18.3	--	--	--	--	--	--
FONTELLE	7T231	200	100	57	15	70	25.6	--	--	--	--	--	--	--	--	--	--	--	--
FONTELLE	8B467	213	106	58	16	69	27.8	110	95	56	18	66	15.5	--	--	--	--	--	--
FONTELLE	8K339	203	101	58	15	68	26.5	95	82	57	17	64	15.8	--	--	--	--	--	--
FONTELLE	8T141	213	106	59	17	69	26.8	113	97	56	18	63	17.0	--	--	--	--	--	--
FONTELLE	8T169	192	96	60	17	70	25.4	106	91	57	18	66	16.4	--	--	--	--	--	--
KRUGER	K-215RR/YGCB	182	91	59	16	68	26.9	100	86	56	18	64	12.8	202	94	18	58	77	34.2
KRUGER	K-5116YGCB	219	109	58	15	68	27.3	116	99	57	17	64	19.3	232	108	17	59	77	32.6
KRUGER	K-6008VT3	181	90	58	15	67	28.4	99	85	56	17	64	16.7	225	104	18	58	79	34.1
KRUGER	K-6011TS	175	87	58	15	69	26.6	110	95	57	18	65	15.7	196	91	17	59	77	33.0
KRUGER	K-6013VT3	212	105	59	16	68	26.6	98	84	56	18	65	13.1	220	102	17	59	77	32.4
KRUGER	K-6015VT3	202	101	59	16	69	26.2	128	110	57	17	64	17.0	224	104	18	58	79	33.0
KRUGER	K-6111TS	184	92	59	16	69	25.7	109	94	57	18	65	18.6	201	93	18	58	77	33.6
KRUGER	K-6114VT3	208	104	59	17	69	26.4	122	105	58	17	64	15.8	214	99	18	58	78	33.4
KRUGER	K-6210TS	195	97	59	16	69	24.4	102	87	57	18	65	18.6	225	105	17	58	76	33.0
KRUGER	K-6212TS	181	90	59	15	69	25.6	108	93	57	18	61	15.4	194	90	18	58	77	34.1
KRUGER	K-6213VT3	203	101	58	15	68	25.8	109	93	57	18	67	14.2	205	95	18	58	79	32.7
KRUGER	K-6411VT3	189	94	57	14	68	25.5	112	96	56	17	61	16.8	204	95	17	58	78	33.1
KRUGER	K-6412VT3	193	96	60	16	68	25.7	110	94	57	18	64	16.7	201	93	17	59	78	33.3
KRUGER	K-6517TS	192	96	59	17	70	25.3	119	102	57	17	66	14.1	225	104	17	58	77	31.3
KRUGER	K-7010YG+	203	101	59	15	71	26.0	117	100	57	18	64	16.5	210	97	17	59	77	34.1
KRUGER	K-8112HX	212	105	58	16	71	26.5	111	95	57	18	67	19.7	225	104	18	59	78	31.1
KRUGER	K-8616HX	195	97	58	16	71	26.5	110	94	56	18	67	14.8	227	106	18	58	79	31.6
KRUGER	K-9414RR/HXT	210	105	58	16	71	25.9	111	95	56	17	61	16.5	215	100	18	58	79	33.6
LEWIS	7198VT3	--	--	--	--	--	--	119	102	56	19	67	20.2	--	--	--	--	--	--
LEWIS	815VT3	--	--	--	--	--	--	99	85	57	18	64	15.2	--	--	--	--	--	--
LEWIS	912CB	--	--	--	--	--	--	128	110	56	17	64	19.0	--	--	--	--	--	--
LG SEEDS	LG2620VT3	--	--	--	--	--	--	--	--	--	--	--	--	229	106	18	58	77	32.4
LG SEEDS	LG2627VT3	--	--	--	--	--	--	--	--	--	--	--	--	239	111	18	58	78	24.6
LG SEEDS	LG2642VT3	--	--	--	--	--	--	--	--	--	--	--	--	207	96	18	59	78	34.5
MAT CHK	FULL-R8526YGCB	204	101	58	16	71	25.4	124	106	57	18	67	15.2	235	109	18	59	79	31.7
MAT CHK	MID-NC+5392B	179	89	59	16	68	26.0	119	102	58	18	66	18.0	225	105	17	59	77	34.8
MAT CHK	SHRT-DKC50-20	150	75	57	14	66	26.4	116	100	58	14	62	15.4	161	75	17	59	75	31.4
MIDLAND	MG 417Bt	199	99	58	15	68	26.7	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 436Bt	212	106	58	15	70	27.2	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 658HL	206	102	58	16	70	25.8	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 697Bt	199	99	58	16	69	26.4	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 779Bt	211	105	59	16	70	26.9	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 7A28BR	207	103	57	16	72	26.5	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 7A58BR	206	103	58	17	71	26.3	--	--	--	--	--	--	--	--	--	--	--	--
MYCOGEN	2T783	219	109	58	16	71	25.9	123	105	56	18	66	19.3	250	116	17	58	77	35.8
MYCOGEN	2T804																		

TABLE 4 continued. NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN PERFORMANCE TESTS, 2008

BRAND	NAME	TOPEKA, Shawnee County					1000 ppa	OGDEN, Riley County					1000 ppa	SCANDIA, Republic County					1000 ppa
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	
TRIUMPH	1608VT3	211	105	57	16	70	25.6	--	--	--	--	--	211	98	17	58	77	30.7	
TRIUMPH	1706VT3	--	--	--	--	--	--	114	98	57	18	67	16.8	--	--	--	--	--	
	AVERAGE	201	201	58	16	69	26.1	116	116	56	18	65	16.5	215	215	17	59	77	32.6
	CV (%)	7	7	1	2	1	4	10	10	3	6	2	10	6	6	2	1	1	10
	LSD (0.05)	19	10	1	1	1	1.4	16	13	2	2	1	2.4	19	9	1	1	2	5.1

* Seed treatments and hybrid traits located in Table 16.

** Yields in bold are in the top LSD group.

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

TABLE 5. NORTHEAST KANSAS SPRINKLER-IRRIGATED MULTI-YEAR YIELD PERCENT OF TEST AVERAGES, 2006-2008

BRAND	NAME	TOPEKA, Shawnee County					SCANDIA, Republic County				
		2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)
DEKALB	DKC63-42	94	95	--	95	--	--	--	--	--	
DYNA-GRO	57F37	102	103	--	102	--	--	--	--	--	
FONTANELLE	7951YGCB	105	113	--	109	104	103	--	104	--	
KRUGER	K-8616Hx	97	100	98	99	98	106	100	103	102	
KRUGER	K-6015VT3	--	--	--	--	104	112	--	108	--	
KRUGER	K-6111TS	--	--	--	--	93	98	--	96	--	
MAT CHK	FULL-R8526YGCB	101	97	105	99	101	109	99	108	105	
MAT CHK	SHRT-DKC50-20	75	77	78	76	77	75	75	83	77	
MIDLAND	MG 436Bt	106	100	107	103	104	--	--	--	--	
MIDLAND	MG 7A28B/RR	103	106	107	105	105	--	--	--	--	
TRIUMPH	1608VT3	98	106	--	102	--	--	--	--	--	
	AVERAGE	201	190	215	195	202	215	225	203	220	214
	CV (%)	7	9	8			6	4	5		
	LSD (0.05)	10	24	14			9	16	6		

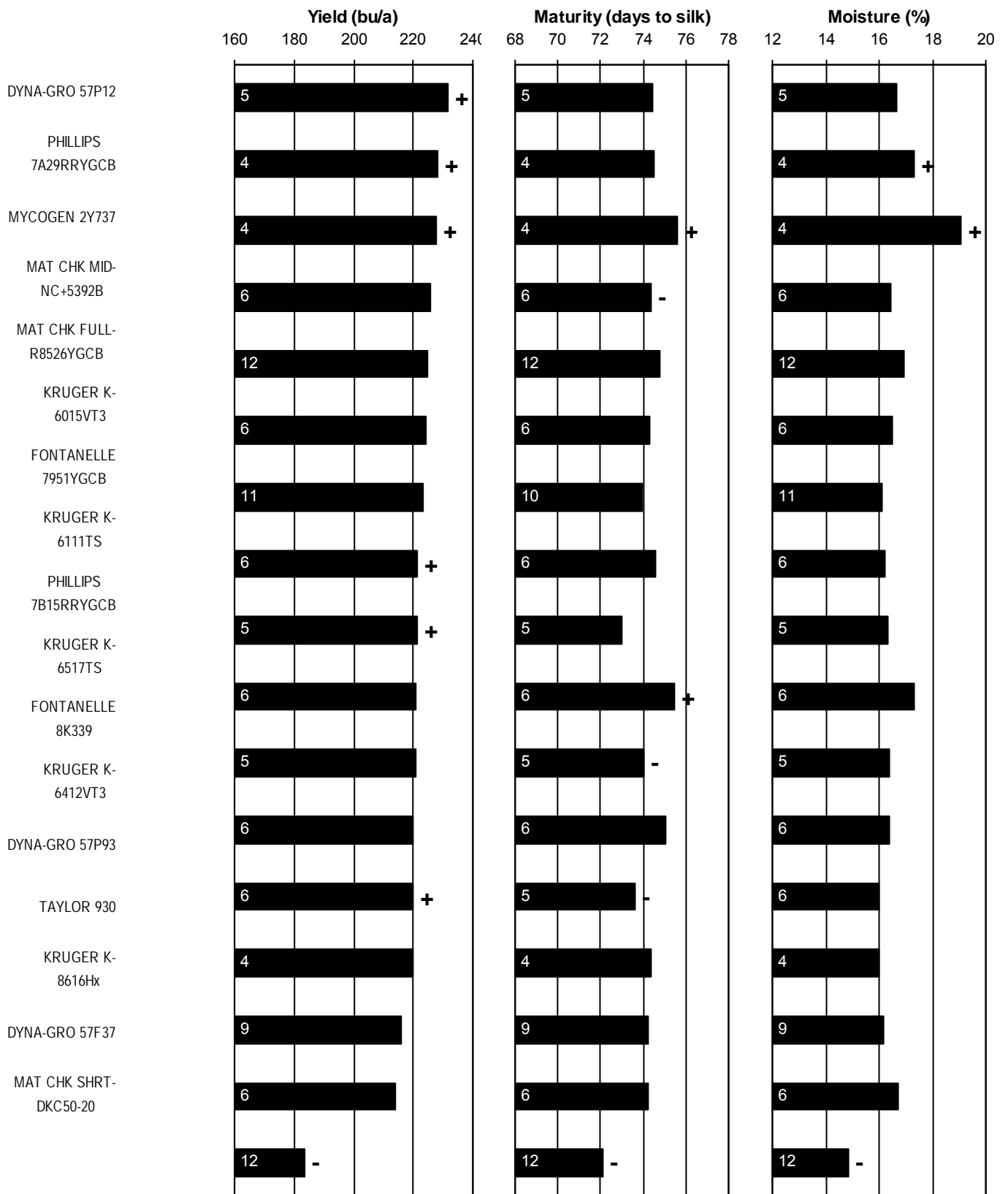


Figure 4. NORTHEAST Kansas SPRINKLER-IRRIGATED corn hybrid standardized performance summary, 2004-2008

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

EAST/CENTRAL KANSAS DRYLAND CORN TEST

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

Silty clay loam; Soybeans in 2007

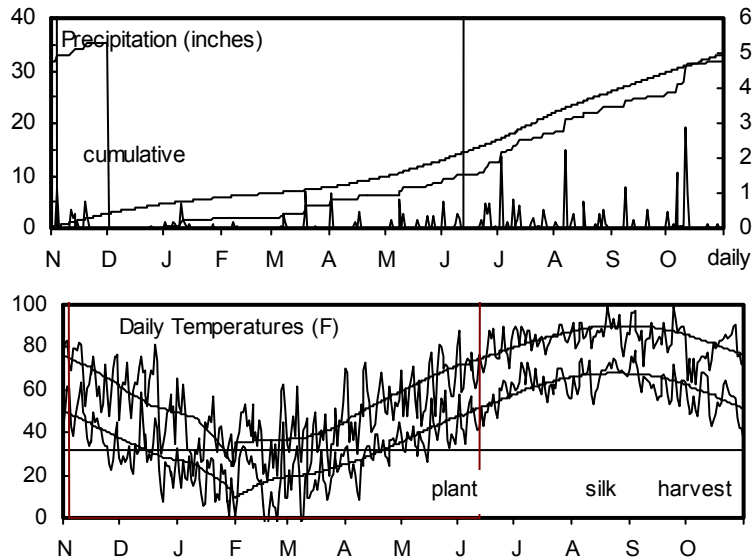
90 - 0 - 0 lb/a N, P, K

Planted on 5/13/2008; Harvested on 10/3/2008

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

Generally good growing conditions throughout the season.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	6.2	7.0	34	34	303	50
April	2.6	3.0	51	54	208	236
May	3.8	3.9	64	64	465	444
June	5.6	5.1	74	73	713	698
July	5.2	4.1	77	78	803	827
August	2.5	3.7	75	77	721	802
Oct.	9.6	6.2	60	63	809	571
Totals:	35.4	33.0	53	54	4,023	3,627



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

Woodson silt loam; Soybeans in 2007

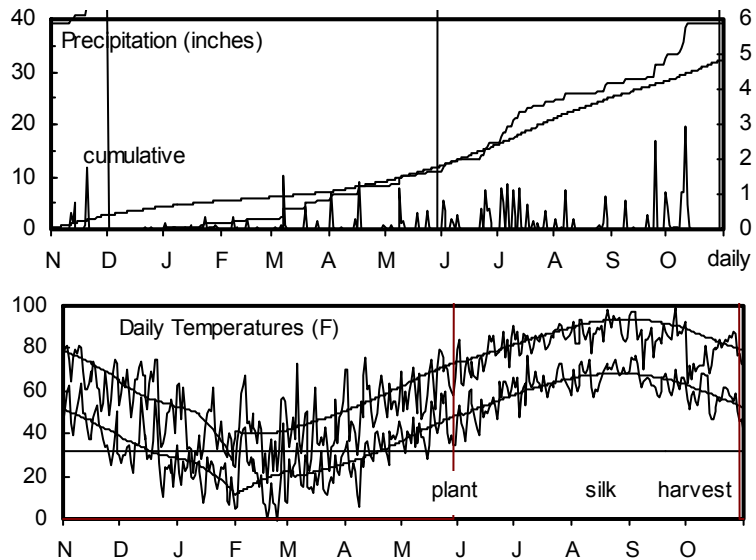
110 - 0 - 0 lb/a N, P, K

Planted on 4/29/2008; Harvested on 9/27/2008

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

Glyphosate damage caused some hybrids to be dropped from the test.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	8.4	6.4	36	37	344	94
April	2.7	2.9	53	56	219	278
May	5.4	4.1	65	65	486	481
June	7.8	4.9	74	74	710	713
July	3.4	4.0	79	80	823	831
August	5.6	3.2	76	79	757	807
Oct.	9.5	6.7	61	65	817	616
Totals:	42.8	32.2	54	56	4,156	3,820



EAST/CENTRAL KANSAS DRYLAND CORN TEST, continued.

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

Smolan silt loam; Wheat in 2007

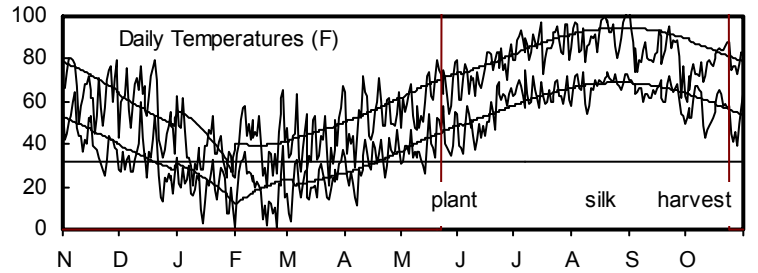
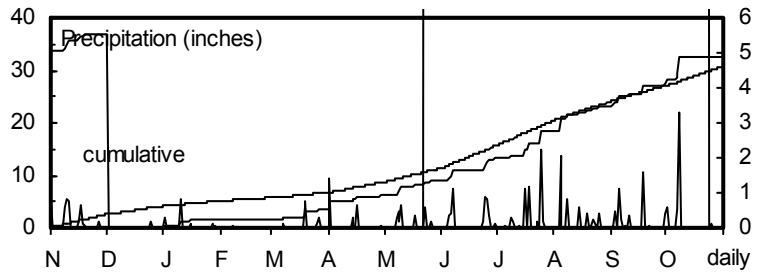
110 - 37 - 0 lb/a N, P, K

Planted on 4/22/2008; Harvested on 9/22/2008

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

Conditions for corn were unusually good, resulting in excellent yields for this location. Some glyphosate damage to the test resulted in two of the four reps being dropped from the results.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	6.1	6.2	36	37	325	91
April	2.8	2.6	52	56	222	271
May	4.4	4.4	64	65	475	477
June	5.4	4.7	76	75	723	724
July	4.7	3.7	80	81	828	840
August	4.9	3.1	73	80	677	819
Oct.	8.7	6.1	60	65	816	632
Totals:	36.9	30.6	54	56	4,067	3,854



Private farm, Erie; James Long, agronomist; Kelly Kusel, technician

Lanton silt loam; Flooded in 2007

175- 75 - 0 lb/a N, P, K

Planted on 5/20/2008; Harvested on 10/10/2008

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

Good conditions throughout growing season; some flooding during the summer months.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	7.6	9.1	38	38	408	87
April	7.2	3.5	53	56	225	272
May	8.2	4.8	64	66	476	494
June	13.1	4.9	75	74	731	728
July	3.9	4.6	79	80	829	845
August	4.4	4.0	76	79	769	815
Oct.	10.9	7.8	62	65	848	599
Totals:	55.3	38.7	55	56	4,287	3,840

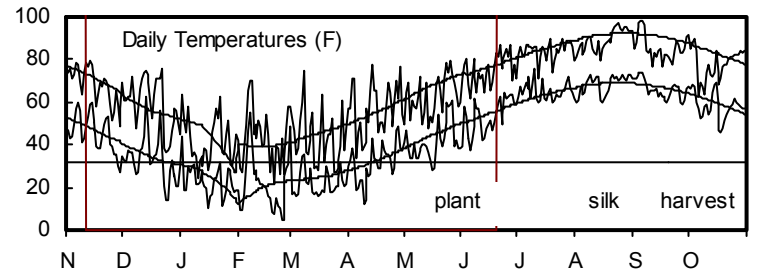
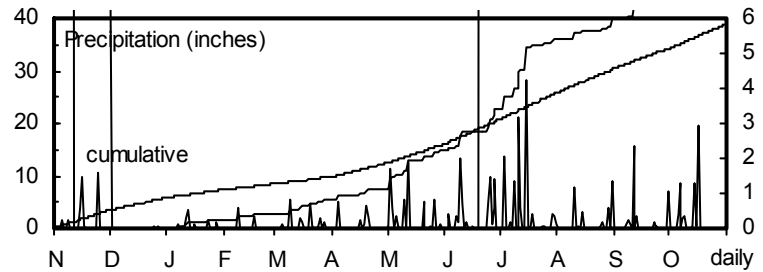


TABLE 6. EAST/CENTRAL KANSAS DRYLAND CORN PERFORMANCE TESTS, 2008

BRAND	NAME	OTTAWA, Franklin County					HESSTON, Harvey County					TOPEKA, Shawnee County					ERIE, Neosho County								
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS				
DEKALB	DKC50-44	--	--	--	--	--	133	94	58	14	67	18.0	--	--	--	--	--	--	--	--	--	--			
DEKALB	DKC50-44	--	--	--	--	--	140	99	58	15	68	18.0	--	--	--	--	184	97	54	18	54	22.3			
DEKALB	DKC50-59	--	--	--	--	--	143	101	55	16	71	17.7	--	--	--	--	--	--	--	--	--	--	--		
DEKALB	DKC61-69	119	98	58	15	72	15.7	--	--	--	--	--	174	107	56	14	55	23.8	--	--	--	--			
DYNA-GRO	57K71	128	103	57	15	70	15.5	--	--	--	--	--	--	--	--	--	188	99	54	19	60	20.1			
DYNA-GRO	57R91	--	--	--	--	--	--	--	--	--	--	--	169	104	55	14	57	24.7	--	--	--	--			
DYNA-GRO	57T61	--	--	--	--	--	147	104	54	19	72	18.0	177	109	55	16	58	23.5	--	--	--	--			
DYNA-GRO	57W05	--	--	--	--	--	147	109	55	16	68	18.0	177	109	55	16	58	23.5	--	--	--	--			
DYNA-GRO	57V07	136	112	56	15	72	16.1	154	109	53	20	73	17.8	146	90	54	15	57	22.7	210	111	54	20	57	19.5
DYNA-GRO	57V21	118	97	57	15	72	16.1	144	102	54	19	72	18.0	158	98	54	16	58	23.6	189	100	54	20	57	21.1
DYNA-GRO	57V30	111	91	58	14	70	17.3	--	--	--	--	--	150	93	56	14	57	22.3	--	--	--	--	--	--	
DYNA-GRO	57V44	139	113	56	15	74	16.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DYNA-GRO	57V77	129	106	57	14	71	15.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DYNA-GRO	57V98	109	89	60	15	70	16.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DYNA-GRO	57X97	--	--	--	--	--	--	131	93	55	18	73	18.0	155	96	55	15	58	23.2	--	--	--	--	--	--
FONTELANE	7951YGCB	--	--	--	--	--	--	--	--	--	--	--	162	100	55	13	57	22.5	--	--	--	--	--	--	--
FONTELANE	78771	156	128	59	16	70	15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
FONTELANE	88467	--	--	--	--	--	--	--	--	--	--	--	175	108	56	15	57	22.7	--	--	--	--	--	--	--
FONTELANE	8K339	111	91	58	14	71	16.1	--	--	--	--	--	151	93	55	14	57	22.6	--	--	--	--	--	--	
FONTELANE	8T141	--	--	--	--	--	--	--	--	--	--	--	164	101	56	16	57	23.4	--	--	--	--	--	--	
FONTELANE	8T469	--	--	--	--	--	--	--	--	--	--	--	176	108	56	16	58	23.4	--	--	--	--	--	--	
G2 GEN. by NUTECH	0A-815	--	--	--	--	--	--	138	98	56	18	72	18.0	--	--	--	--	--	--	--	--	--	--	--	--
G2 GEN. by NUTECH	1H-005 HXLL	--	--	--	--	--	--	133	94	56	16	73	17.1	--	--	--	--	--	--	--	--	--	--	--	--
G2 GEN. by NUTECH	1H-716 HXLL	--	--	--	--	--	--	122	86	57	20	71	18.0	--	--	--	--	--	--	--	--	--	--	--	--
G2 GEN. by NUTECH	1H-911 HXLL	--	--	--	--	--	--	135	96	59	17	72	18.0	--	--	--	--	--	--	--	--	--	--	--	--
G2 GEN. by NUTECH	5H-455 RRHX	107	87	57	14	70	14.2	--	--	--	--	--	174	107	55	16	58	22.8	--	--	--	--	--	--	
G2 GEN. by NUTECH	5H-506 RRHX	128	105	58	14	71	16.7	148	105	57	15	70	18.0	--	--	--	--	--	--	--	--	--	--	--	
G2 GEN. by NUTECH	0A-508	115	94	59	14	69	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
G2 GEN. by NUTECH	0A-715	--	--	--	--	--	--	115	82	57	19	74	18.0	--	--	--	--	--	--	--	--	--	--	--	
G2 GEN. by NUTECH	0A-911	--	--	--	--	--	--	134	95	59	17	71	16.8	--	--	--	--	--	--	--	--	--	--	--	
KRUGER	K-215RRYGCBC	117	96	59	16	70	17.7	--	--	--	--	--	146	90	56	16	56	23.5	177	94	54	19	57	22.2	
KRUGER	K-5116YGCBC	--	--	--	--	--	--	--	--	--	--	--	168	104	56	15	56	21.7	212	112	54	19	56	22.0	
KRUGER	K-6008VT3	111	91	59	14	70	18.0	--	--	--	--	--	153	95	56	14	54	24.1	170	90	55	18	56	19.5	
KRUGER	K-6011TS	107	88	58	15	71	15.4	--	--	--	--	--	175	107	56	14	57	21.4	170	90	54	18	56	21.2	
KRUGER	K-6015VT3	117	96	57	15	70	15.4	--	--	--	--	--	134	83	55	16	57	21.7	152	102	54	19	56	23.4	
KRUGER	K-6015VT3	120	99	58	15	70	17.1	--	--	--	--	--	160	99	56	16	56	21.0	203	107	54	19	58	24.4	
KRUGER	K-6111TS	126	103	59	14	70	15.8	--	--	--	--	--	172	106	56	15	55	23.0	192	102	54	20	56	24.7	
KRUGER	K-6114VT3	130	107	58	16	70	17.7	--	--	--	--	--	184	113	57	16	56	24.6	199	105	54	20	55	23.1	
KRUGER	K-6210TS	112	92	58	15	70	15.8	--	--	--	--	--	156	96	56	15	56	23.1	206	109	54	19	56	22.4	
KRUGER	K-6212TS	115	94	58	15	70	17.4	--	--	--	--	--	192	103	56	15	58	22.4	182	96	54	19	58	24.7	
KRUGER	K-6213VT3	128	105	57	14	71	16.7	--	--	--	--	--	168	104	56	15	56	22.9	203	107	54	19	56	24.4	
KRUGER	K-6411VT3	119	98	57	15	70	17.3	--	--	--	--	--	159	98	55	13	57	22.7	201	107	54	18	56	22.4	
KRUGER	K-6412VT3	115	94	59	15	70	15.1	--	--	--	--	--	155	95	56	16	56	23.8	181	85	54	19	55	22.2	
KRUGER	K-6511TS	131	107	58	16	70	15.4	--	--	--	--	--	157	97	55	16	58	22.6	202	107	52	21	57	20.9	
KRUGER	K-7010Y+	--	--	--	--	--	--	--	--	--	--	--	176	109	55	15	57	22.9	193	102	54	18	56	21.8	
KRUGER	K-8112HX	--	--	--	--	--	--	--	--	--	--	--	182	113	55	16	57	23.2	190	101	54	19	57	20.5	
KRUGER	K-8616HX	--	--	--	--	--	--	--	--	--	--	--	160	99	55	16	58	22.5	183	97	54	19	57	24.9	
KRUGER	K-814RRRHX	119	98	58	15	70	15.8	--	--	--	--	--	169	105	56	15	57	22.7	185	103	54	18	57	23.3	
MAT CHK	FULL-R852YGCBC	114	93	57	16	72	17.4	149	106	54	20	74	18.0	168	100	55	15	57	22.7	182	96	53	20	58	21.9
MAT CHK	MID-NC+5392B	116	95	59	14	70	16.1	138	98	56	17	70	18.0	163	100	55	15	57	22.7	181	96	53	20	56	22.3
MAT CHK	SHRT-DK50-20	128	105	58	13	73	15.8	130	92	58	14	69	18.0	129	80	55	13	53	22.9	141	75	55	17	54	21.5
MFA MORCORN	MC420VT3	114	94	58	14	70	15.2	--	--	--	--	--	--	--	--	--	--	--	--	167	88	53	20	53	18.4
MFA MORCORN	MC420VT3	139	114	57	15	70	16.1	--	--	--	--	--	--	--	--	--	--	--	--	231	122	54	19	57	24.4
MIDLAND	MG 128B1	--	--	--	--	--	--	122	86	54	13	70	17.7	--	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG 417B1	--	--	--	--	--	--	146	103	55	17	72	17.9	--	--	--	--	--	--	152	94	55	13	56	23.5
MIDLAND	MG 436B1	--	--	--	--	--	--	--	--	--	--	--	156	96	54	14	57	22.4	190	100	54	19	57	25.1	
MIDLAND	MG 659B1	--	--	--	--	--	--	--	--	--	--	--	184	114	55	16	57	23.3	166	88	54	19	58	19.5	
MIDLAND	MG 697B1	--	--	--	--	--	--	110	78	55	19	71	18.0	140	89	55	14	57	23.7	182	96	54	19	58	24.7
MIDLAND	MG 779B1	--	--	--	--	--	--	147	104	54	19	72	17.7	146	90	55	15	58	23.0	199	106	54	19	58	22.4
MIDLAND	MG 7A28BR	--	--	--	--	--	--	150	107	52															

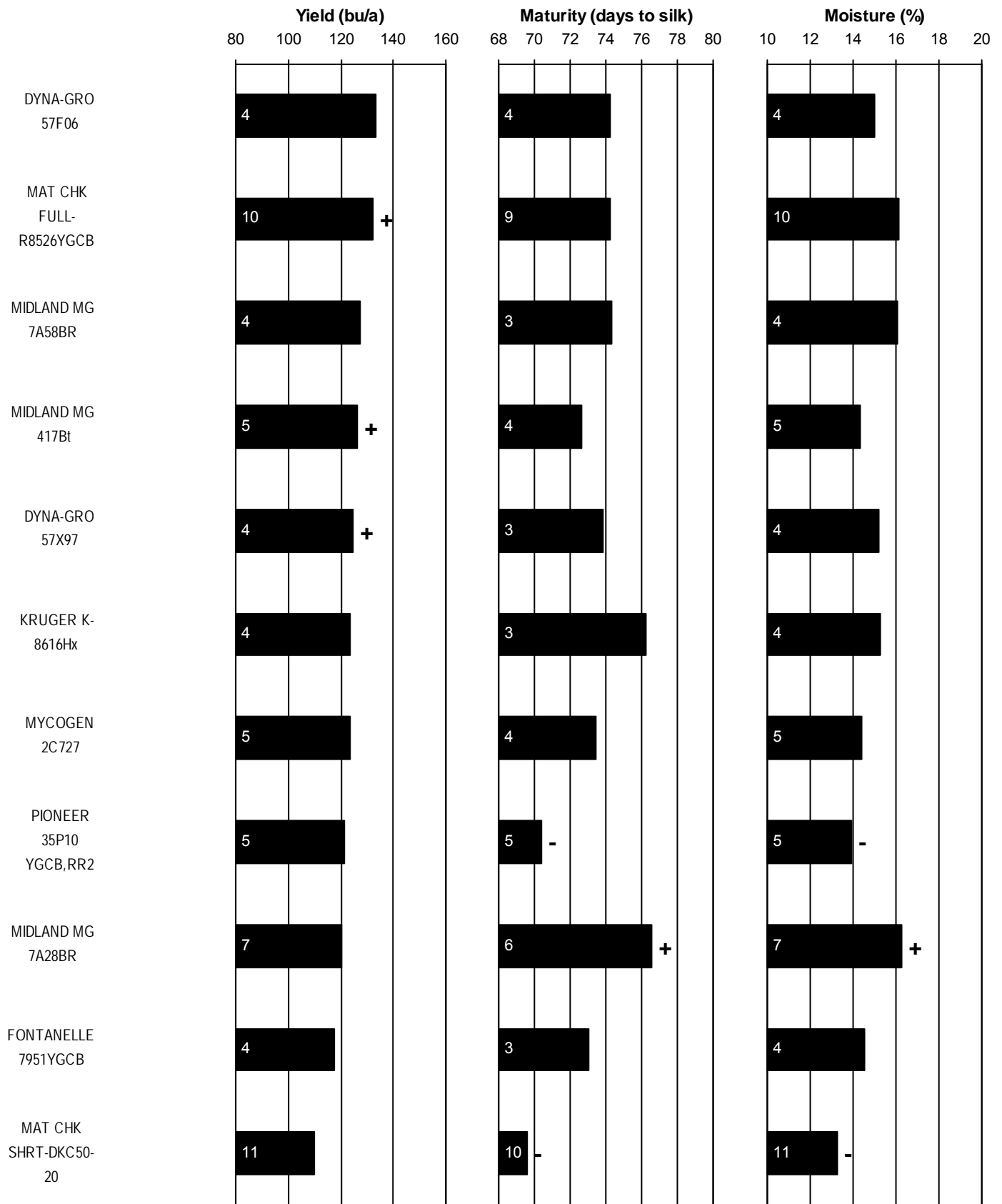


Figure 5. EAST/CENTRAL Kansas Dryland corn hybrid standardized performance summary, 2004-2008

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

KANSAS SHORT-SEASON DRYLAND CORN TEST

Private Farm, Coffeyville; James Long, agronomist; Kelly Kusel, technician

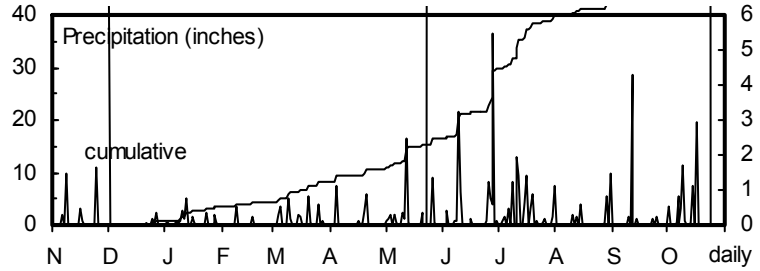
Parsons silt loam; Soybeans in 2007

75 - 0 - 0 lb/a N, P, K

Planted on 4/23/2008; Harvested on 9/22/2008

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

Uneven stands due to crusting after planting; generally good conditions for the remainder of the season.



Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	10.9					
April	5.6					
May	13.2					
June	10.4					
July	3.5					
August	5.7					
Oct.	11.3					
Totals:	60.6					

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

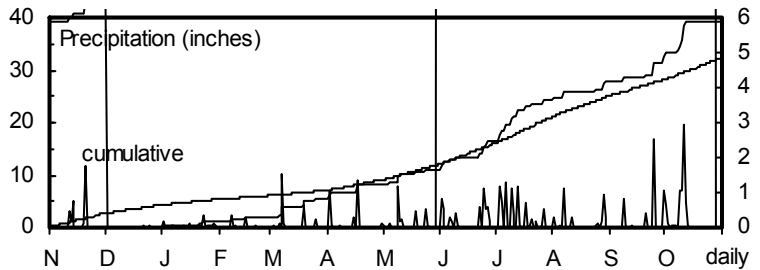
Woodson silt loam; Soybeans in 2007

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

Planted on 4/29/2008; Harvested on 9/26/2008

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

Glyphosate damage caused some hybrids to be dropped from the test.



Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	8.4	6.4	36	37	344	94
April	2.7	2.9	53	56	219	278
May	5.4	4.1	65	65	486	481
June	7.8	4.9	74	74	710	713
July	3.4	4.0	79	80	823	831
August	5.6	3.2	76	79	757	807
Oct.	9.5	6.7	61	65	817	616
Totals:	42.8	32.2	54	56	4,156	3,820

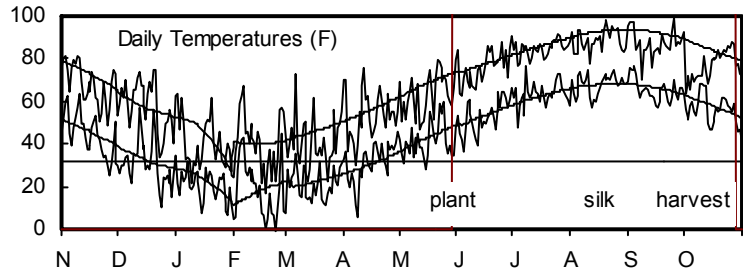


TABLE 8. KANSAS SHORT-SEASON DRYLAND CORN PERFORMANCE TESTS, 2008

BRAND	NAME	COFFEYVILLE, Montgomery County								OTTAWA, Franklin County					
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	HT (in)	Ear HT (in)	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
AGVENTURE	AV 4480	126	105	55	15	76	23.1	84	29	--	--	--	--	--	--
AGVENTURE	AV 4883	111	93	55	15	76	25.2	87	30	--	--	--	--	--	--
DEKALB	DKC50-44	115	96	54	16	77	24.0	86	28	121	106	58	14	70	16.1
DYNA-GRO	53V13	121	101	55	14	75	24.8	84	29	81	71	58	14	70	15.5
DYNA-GRO	54K35	127	107	55	15	76	24.0	87	30	120	105	59	14	69	15.8
DYNA-GRO	54V78	118	99	55	14	77	23.7	89	31	106	92	56	13	70	15.4
DYNA-GRO	55B31	106	89	54	16	76	21.6	90	29	132	115	58	15	72	16.4
DYNA-GRO	55B49	123	104	53	18	77	24.5	89	29	111	97	58	15	72	17.1
DYNA-GRO	55P86	117	98	55	15	76	23.1	85	27	126	110	57	14	72	18.3
DYNA-GRO	56B83	--	--	--	--	--	--	--	--	113	98	58	14	71	15.5
DYNA-GRO	56K60	114	96	55	15	76	22.7	89	33	138	120	58	14	70	17.7
DYNA-GRO	56P07	--	--	--	--	--	--	--	--	111	97	58	14	72	16.1
DYNA-GRO	57P69	143	120	53	18	77	21.3	97	29	142	123	58	15	71	16.4
DYNA-GRO	57V15	141	118	53	17	77	23.5	95	32	126	110	57	16	72	17.7
DYNA-GRO	57V77	129	108	53	18	77	23.4	98	32	127	111	57	15	72	17.7
FONTANELLE	5K626	88	74	55	14	76	23.3	88	29	103	90	59	13	69	17.7
FONTANELLE	5T128	116	97	55	15	77	23.8	90	30	118	103	58	14	71	15.2
KRUGER	K-1500RR	--	--	--	--	--	--	--	--	113	99	57	13	72	15.5
KRUGER	K-6006VT3	--	--	--	--	--	--	--	--	108	95	59	16	71	16.4
KRUGER	K-6102VT3	--	--	--	--	--	--	--	--	94	82	58	14	70	14.4
KRUGER	K-6298VT3	--	--	--	--	--	--	--	--	86	75	58	15	70	15.4
KRUGER	K-6400TS	--	--	--	--	--	--	--	--	106	93	58	14	69	13.8
KRUGER	K-6401VT3	--	--	--	--	--	--	--	--	109	95	58	15	70	16.1
KRUGER	K-6499VT3	--	--	--	--	--	--	--	--	117	102	58	14	71	14.1
KRUGER	K-6606VT3	--	--	--	--	--	--	--	--	112	98	58	14	70	15.2
MAT CHK	FULL-R8526YGCB	108	90	53	19	77	24.0	95	27	103	90	58	14	74	12.9
MAT CHK	MID-NC+5392B	122	103	54	16	77	24.2	91	27	117	102	57	14	69	15.8
MAT CHK	SHRT-DKC50-20	96	80	55	15	77	24.9	87	27	124	108	59	14	69	15.8
MFA MORCORN	MC3597VT3	--	--	--	--	--	--	--	--	101	88	58	15	71	14.1
MIDLAND	MG 119BR	--	--	--	--	--	--	--	--	110	96	56	14	71	15.4
MIDLAND	MG 159HLR	--	--	--	--	--	--	--	--	127	111	58	15	71	17.3
MIDWEST SEED	70006R	102	86	54	15	77	24.2	89	29	123	107	57	14	71	17.0
MYCOGEN	2C598	147	124	54	16	78	25.0	96	32	117	102	57	15	71	16.5
MYCOGEN	2C727	103	87	54	17	77	25.3	92	27	--	--	--	--	--	--
MYCOGEN	2T783	147	123	53	18	78	24.9	96	33	128	112	57	16	72	17.3
NC+	1981R	136	114	54	15	76	24.5	88	31	126	110	57	14	72	17.3
NC+	4022VT3	106	89	54	16	77	24.2	90	28	--	--	--	--	--	--
PREMIUM	P244Bt	--	--	--	--	--	--	--	--	118	103	58	17	72	14.8
PRODUCERS	5624VT3	--	--	--	--	--	--	--	--	124	108	57	13	70	17.7
PRODUCERS	6944VT3	--	--	--	--	--	--	--	--	96	84	57	15	71	14.4
PRODUCERS	7134VT3	--	--	--	--	--	--	--	--	124	108	58	15	72	17.1
RENZE	1185VT3	--	--	--	--	--	--	--	--	108	94	57	15	72	13.1
TRIUMPH	3203CBRR	--	--	--	--	--	--	--	--	124	108	57	14	71	16.1
TRIUMPH	6512VT3	--	--	--	--	--	--	--	--	105	92	58	15	72	17.7
TRIUMPH	8607CbRR	--	--	--	--	--	--	--	--	107	94	58	15	71	15.1
	AVERAGE	119	119	54	16	77	23.9	90	29	115	115	58	14	71	16.0
	CV (%)	10	10	1	6	1	5	3	9	11	11	2	5	1	5
	LSD (0.05)	17	14	1	1	1	1.8	4	4	18	16	1	1	1	1.2

* Seed treatments and hybrid traits located in Table 16.

** Yields in bold are in the top LSD group.

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

TABLE 9. KANSAS SHORT-SEASON DRYLAND MULTI-YEAR YIELD PERCENT OF TEST AVERAGES, 2006-2008

BRAND	NAME	Ottawa, Franklin County				
		2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)
DYNA-GRO	53V13	71	101	--	86	--
DYNA-GRO	55P86	110	120	95	115	108
DYNA-GRO	56P07	97	113	92	105	101
DYNA-GRO	57P69	123	109	--	116	--
MAT CHK	FULL-R8526YGCB	90	107	110	98	102
MAT CHK	MID-NC+5392B	102	106	--	104	--
MAT CHK	SHRT-DKC50-20	108	88	90	98	96
PRODUCERS	6944VT3	84	98	--	91	--
PRODUCERS	7134VT3	108	120	--	114	--
TRIUMPH	6512VT3	92	101	--	98	--
	AVERAGE (bu/a)	115	104	132	109	117
	CV (%)	11	8	9		
	LSD (0.05)	16	12	12		

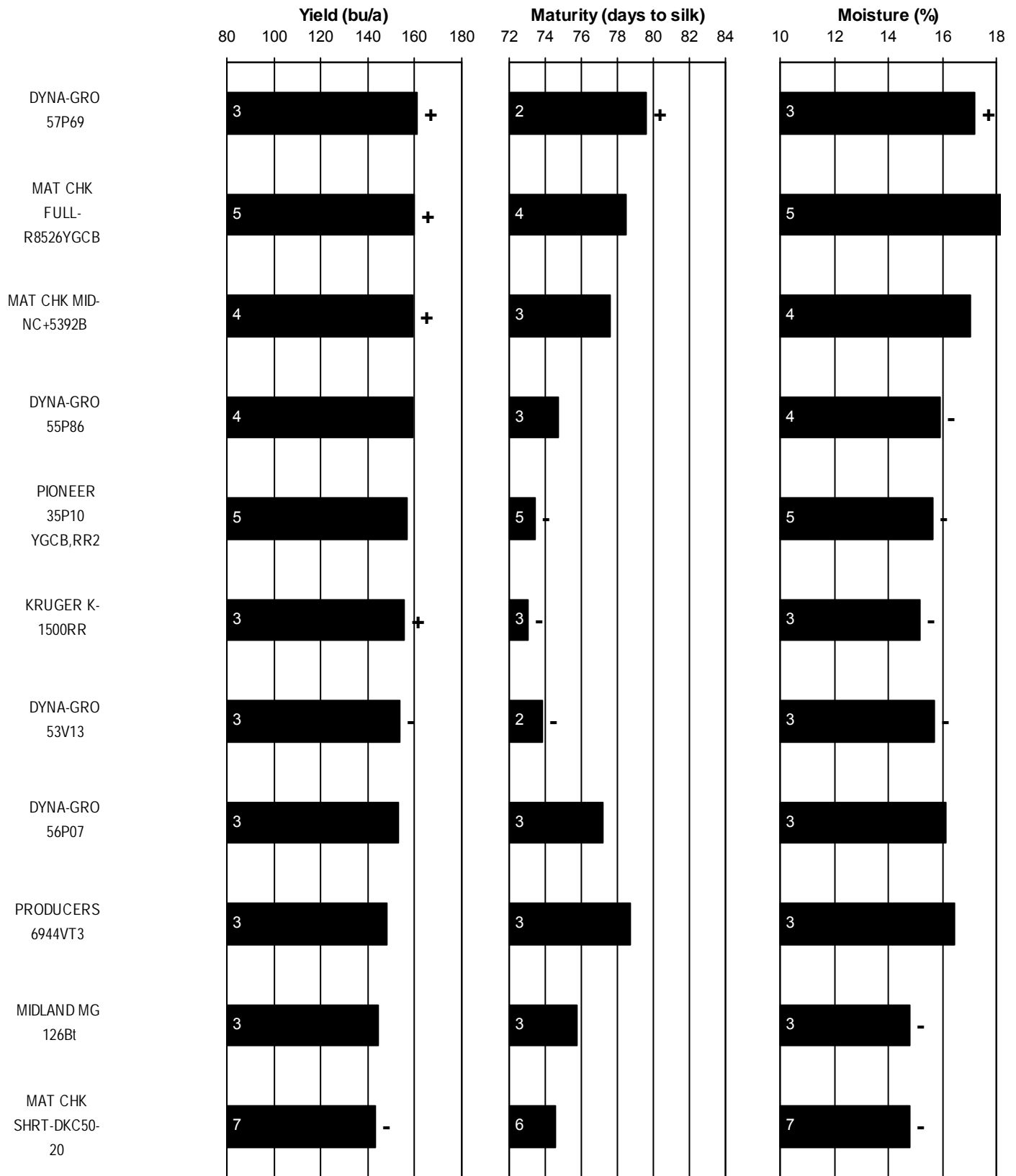


Figure 6. Kansas SHORT-SEASON Dryland corn hybrid standardized performance summary, 2004-2008

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

Private farm, Inman; Jane Lingenfelter, agronomist; Norman and Tracy Schmidt, cooperators

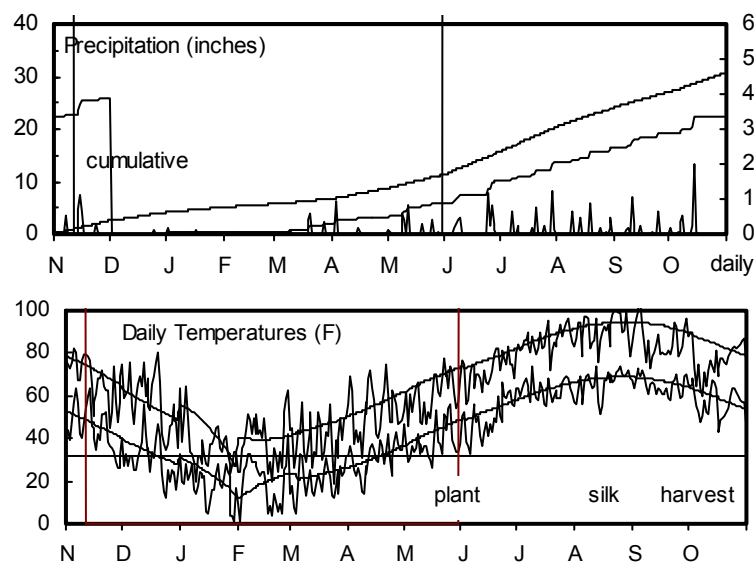
Crete silt loam; Soybeans in 2007

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

Planted on 4/30/2008; Harvested on 10/10/2008

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

Storm on 6/26 caused 25% stalk breakage with spots up to 50%; weed pressure was high.



Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	3.3	6.2	35	37	283	91
April	2.7	2.6	49	56	173	271
May	4.0	4.4	62	65	413	477
June	3.5	4.7	74	75	696	724
July	2.9	3.7	78	81	791	840
August	2.8	3.1	76	80	741	819
Oct.	6.5	6.1	61	65	805	632
Totals:	25.7	30.6	53	56	3,902	3,854

Evans Seed Farm, Hutchinson; Bill Heer, agronomist; John Evans, cooperator

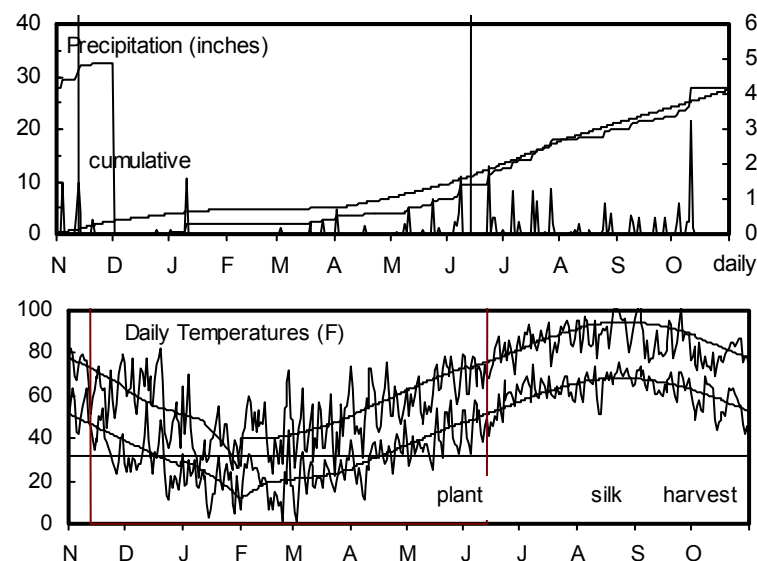
Punkin silt loam; Soybeans in 2007

90- 0 - 0 lb/a N, P, K

Planted on 5/14/2008; Harvested on 10/11/2008

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

Hail storm on 6/5 caused some stand reduction.



Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	3.8	4.4	36	37	392	101
April	2.8	2.6	51	55	215	271
May	5.9	3.8	64	65	474	459
June	5.4	4.3	75	75	720	712
July	2.3	3.5	79	81	803	832
August	2.3	3.1	76	79	750	807
Oct.	10.1	5.7	61	64	834	610
Totals:	32.6	27.3	54	56	4,188	3,792

Russell & Son Farms, St. John; Jane Lingenfelter, agronomist; Rick Russell, cooperator

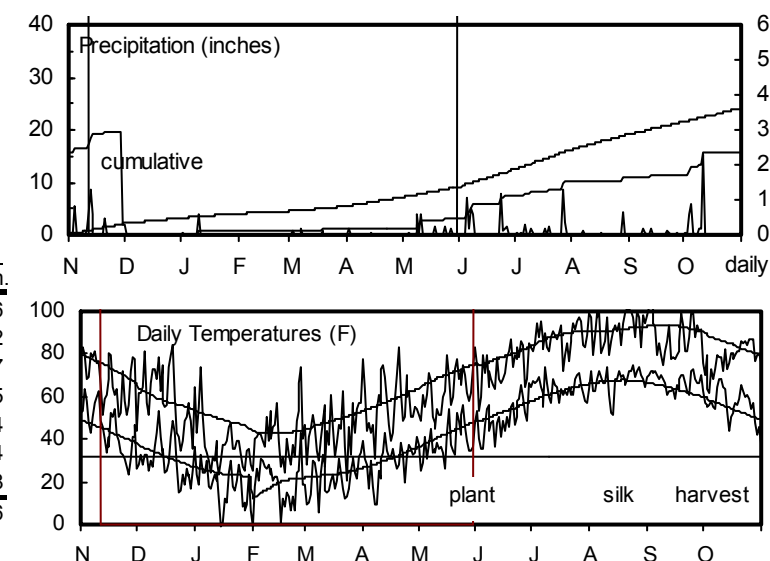
Carwile fine sandy loam; Soybeans in 2007

90 - 0 - 0 lb/a N, P, K

Planted on 4/30/2008; Harvested on 10/10/2008

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

Heavy rains after planting caused crusting and uneven emergence.



Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	1.3	5.0	36	39	389	126
April	1.9	2.0	51	56	206	302
May	4.3	3.4	62	66	432	497
June	2.6	3.7	76	76	721	725
July	0.8	2.9	80	79	820	824
August	0.6	2.5	77	78	767	764
Oct.	8.2	4.6	62	64	835	568
Totals:	19.7	24.0	54	56	4,170	3,806

TABLE 11. SOUTH CENTRAL KANSAS IRRIGATED MULTI-YEAR YIELD PERCENT OF TEST AVERAGES, 2006-2008

BRAND	NAME	Inman, McPherson County					Hutchinson, Reno County					St. John, Stafford County				
		2008	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)
DYNA-GRO	57F37	--	100	--	--	--	108	111	--	109	--	--	100	111	106	--
FONTANELLE	7951YGCB	101	87	103	94	97	102	99	--	101	--	100	99	102	99	100
MAT CHK	FULL-R8526YGCB	83	102	107	92	97	106	107	106	106	106	82	106	104	94	97
MAT CHK	SHRT-DKC50-20	95	80	92	88	89	130	83	--	107	--	78	106	75	92	86
MIDLAND	MG 417Bt	107	91	104	99	101	97	107	107	102	104	97	101	101	99	100
MIDLAND	MG 697Bt	114	92	99	103	102	90	106	104	98	100	107	105	86	106	99
MIDLAND	MG 7A28BR	112	111	110	111	111	98	97	100	97	98	104	93	104	99	100
PHILLIPS	7B15RRYGCB	96	--	--	--	--	98	--	--	--	--	99	91	102	95	97
TRIUMPH	1536VT3	115	102	101	108	106	103	--	--	--	--	100	--	--	--	--
	AVERAGES (bu/a)	178	198	221	188	199	145	176		161		178	160	167	169	168
	CV (%)	10	8	10			9	7				8	9	11		
	LSD (0.05)*	13	11	14			12	10				11	13	15		

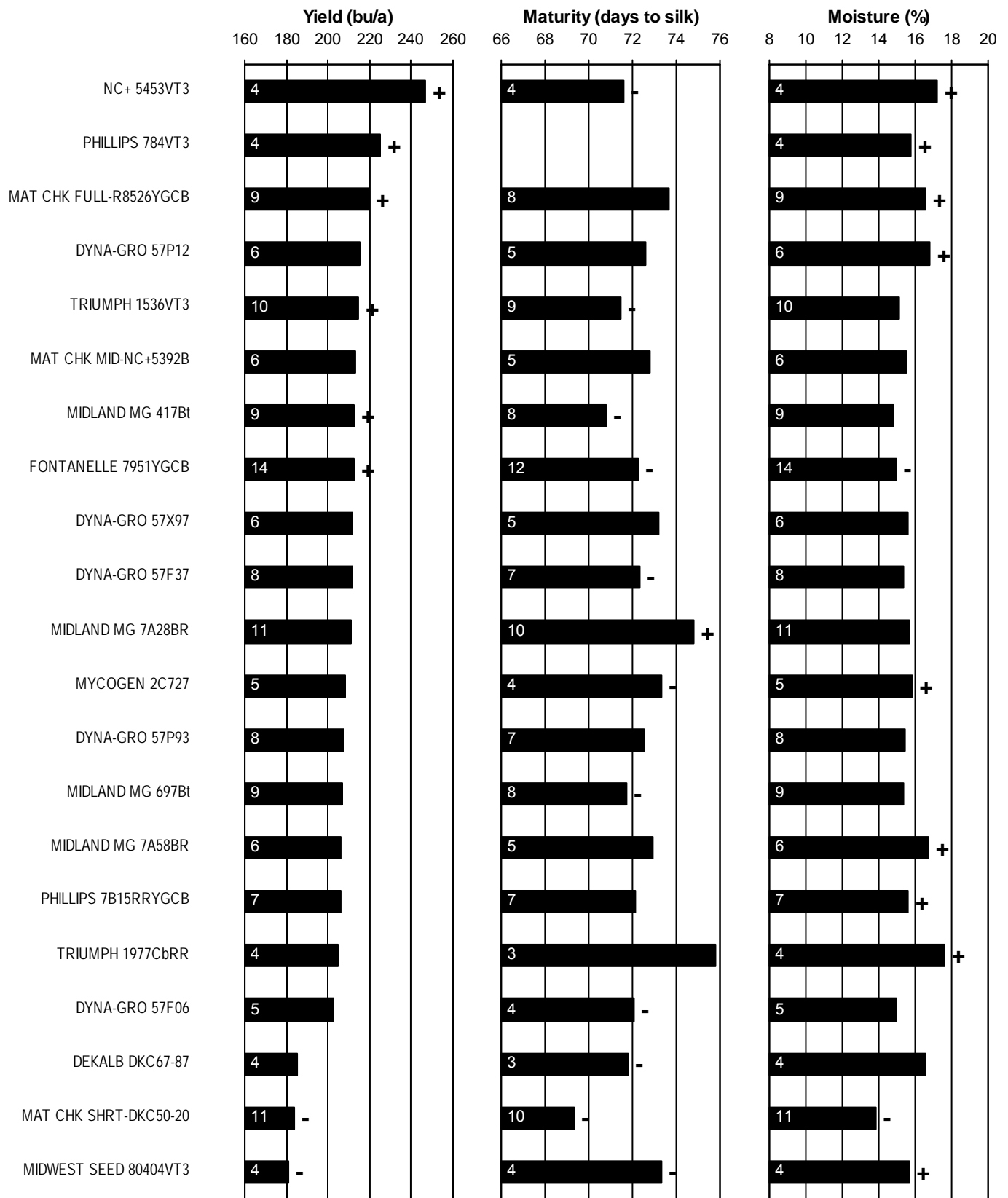


Figure 7. SOUTH CENTRAL Kansas IRRIGATED corn hybrid standardized performance summary, 2004-2008

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; Wheat in 2007

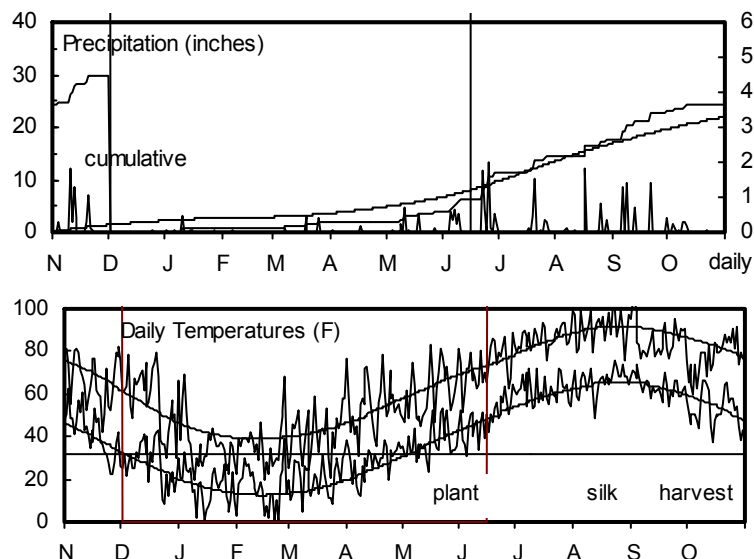
80 - 0 - 0 lb/a N, P, K

Planted on 5/16/2008; Harvested on 11/3/2008

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

Early season was wet, which delayed planting.
Summer was wet and cool; ideal conditions for corn growth and development.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	2.1	3.5	34	33	323	40
April	1.6	1.8	50	50	188	205
May	7.7	3.1	62	61	412	381
June	3.0	3.8	74	71	693	635
July	3.3	3.4	79	78	794	783
August	5.3	2.8	74	76	695	760
Oct.	6.9	3.6	60	61	773	540
Totals:	29.9	21.9	52	52	3,879	3,343



Southwest Research-Extension Center, Garden City; Pat Evans, agronomist; Monty Spangler, technician

Keith silt loam; Wheat in 2007

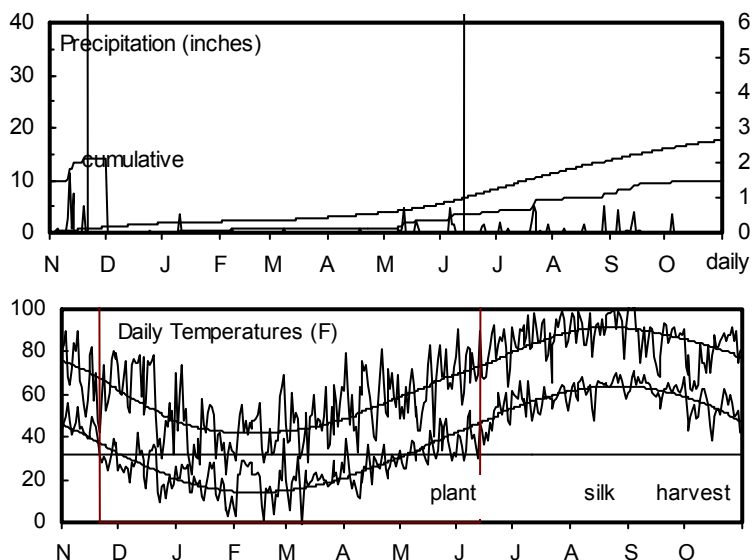
92 - 0 - 0 lb/a N, P, K

Planted on 5/14/2008; Harvested on 10/20/2008

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

Good emergence, fairly uniform across stand. Hail storm on 6/20 caused moderate defoliation. Cooler and drier than normal.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	0.9	2.8	36	34	456	56
April	1.5	1.6	49	50	210	214
May	1.6	2.9	62	61	447	388
June	2.4	3.0	73	72	620	635
July	1.1	2.5	78	78	753	768
August	1.8	2.2	75	75	713	746
Oct.	4.9	2.6	60	61	780	530
Totals:	14.2	17.6	53	52	3,978	3,337



WEST KANSAS NO-TILL DRYLAND CORN TEST, continued.

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

Ulysses silt loam; Wheat in 2007

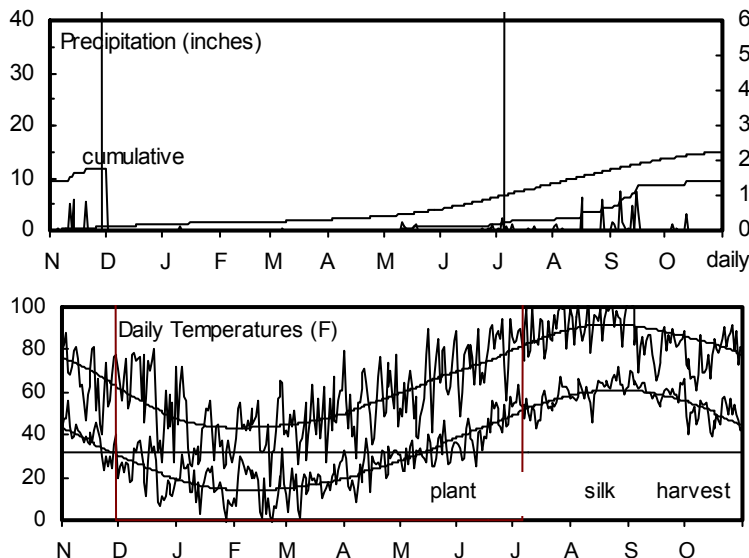
80 - 0 - 0 lb/a N, P, K

Planted on 6/5/2008; Harvested on 10/28/2008

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

Dry until mid-July and then wet through August.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	0.2	2.1	34	34	446	73
April	0.7	1.3	48	49	228	222
May	0.3	2.3	60	59	420	381
June	0.8	2.5	72	70	591	581
July	2.2	2.6	78	76	729	720
August	4.2	2.3	72	74	647	697
Oct.	3.4	2.0	58	60	718	504
Totals:	11.9	15.0	52	52	3,779	3,177



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

Keith silt loam; Wheat in 2007

180 - 45 - 0 lb/a N, P, K

Planted on 5/1/2008; Harvested on 10/9/2008

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

Good planting conditions and stand establishment.

Hot, dry conditions during pollination. Wet and cool conditions from mid-August until harvest delayed maturity.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	1.1	2.4	33	32	370	19
April	1.3	1.4	47	49	199	187
May	2.9	2.9	58	59	369	351
June	0.7	3.4	70	70	581	591
July	2.9	3.1	77	76	737	748
August	3.1	2.1	72	74	661	714
Oct.	4.5	2.0	58	59	707	483
Totals:	16.5	17.4	51	51	3,624	3,093

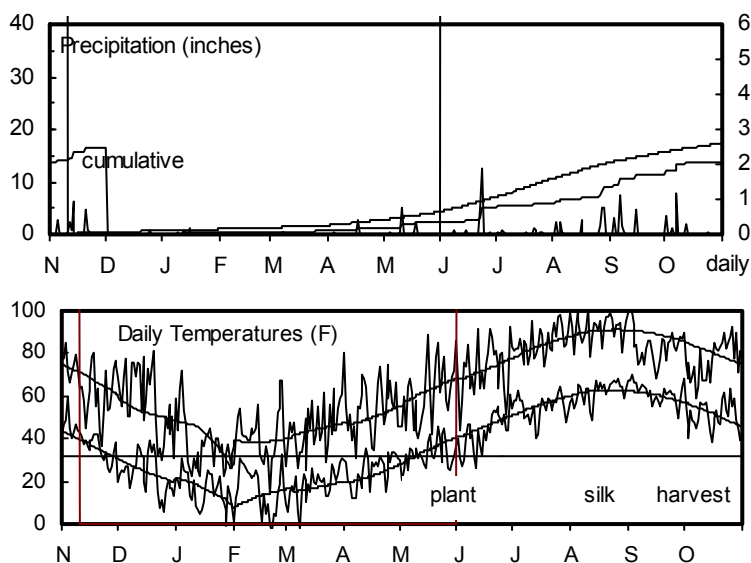


TABLE 12. WEST KANSAS NO-TILL DRYLAND CORN PERFORMANCE TEST, 2008

BRAND	NAME	HAYS, Ellis County					GARDEN CITY, Finney County					TRIBUNE, Greeley County					COLBY, Thomas County								
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa
DEKALB	DKC50-19	131	93	58	8	62	16.8	42	99	0	0	79	16.7	87	90	49	27	73	16.5	112	131	53	21	85	18.4
DEKALB	DKC50-44	144	102	54	9	61	17.0	41	71	0	0	80	16.9	98	102	50	26	71	18.8	92	108	55	20	83	18.4
DEKALB	DKC52-59	147	104	54	8	65	16.4	44	109	56	13	79	17.6	100	104	51	22	68	19.4	124	145	53	20	85	19.1
DEKALB	DKC60-18	146	103	55	10	64	17.5	41	93	55	17	77	14.6	107	111	49	27	67	18.9	39	46	51	20	80	17.6
DEKALB	DKC62-99	157	111	55	11	61	18.1	62	142	59	16	75	15.2	108	112	51	28	67	19.4	108	127	55	20	81	17.4
DYNA-GRO	55B31	134	95	56	9	65	17.2	43	99	0	0	79	16.7	87	90	49	27	73	16.5	112	131	53	21	85	18.4
DYNA-GRO	55B49	116	82	55	9	63	16.5	31	71	0	0	80	16.9	98	102	50	26	71	18.8	92	108	55	20	83	18.4
DYNA-GRO	55P66	131	93	55	10	61	16.9	54	123	59	16	79	17.6	89	92	49	25	73	17.5	106	125	54	19	83	18.6
DYNA-GRO	56K60	146	103	55	10	64	17.5	41	93	55	17	77	14.6	107	111	49	27	67	18.9	39	46	51	20	80	17.6
DYNA-GRO	57K41	134	95	56	9	65	17.2	43	99	0	0	79	16.7	87	90	49	27	73	16.5	112	131	53	21	85	18.4
DYNA-GRO	57P66	131	93	55	10	61	16.9	54	123	59	16	79	17.6	89	92	49	25	73	17.5	106	125	54	19	83	18.6
DYNA-GRO	57P69	131	93	55	10	61	16.9	54	123	59	16	79	17.6	89	92	49	25	73	17.5	106	125	54	19	83	18.6
DYNA-GRO	57P91	131	93	55	10	61	16.9	54	123	59	16	79	17.6	89	92	49	25	73	17.5	106	125	54	19	83	18.6
DYNA-GRO	57R11	154	109	55	11	65	17.8	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	57V05	138	98	55	11	66	16.8	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	57V15	138	98	55	11	66	16.8	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	57V21	140	99	56	11	64	16.6	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	57V77	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	57X97	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
DYNA-GRO	58V72	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
FONTANELLE	7051YGCB	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
FONTANELLE	71231	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
FONTANELLE	88467	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
FONTANELLE	81141	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
FONTANELLE	81169	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
G2 GEN. by NUTECH	1H-005 HXLL	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
G2 GEN. by NUTECH	5H-501 RR/HX	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
G2 GEN. by NUTECH	5H-506 RR/HX	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
G2 GEN. by NUTECH	5H-702 RR/HX	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
G2 GEN. by NUTECH	0A-508	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
MAT CHK	FULL-R8526YGCB	169	119	54	12	65	16.7	39	89	57	19	87	17.2	100	103	48	37	78	18.6	100	118	51	23	84	14.2
MAT CHK	MID-NC+5392B	134	95	55	11	65	16.9	39	89	0	0	79	18.1	107	111	48	30	71	18.1	109	128	53	22	80	17.8
MAT CHK	SHRT-DKC50-20	132	93	55	9	61	17.9	35	80	0	0	75	18.8	91	94	51	22	66	18.8	89	104	56	18	85	17.8
MIDLAND	MG 471B1	153	108	54	10	65	18.2	41	93	53	17	80	15.7	109	112	50	25	73	18.2	108	127	54	20	84	17.8
MIDLAND	MG 697B1	159	112	54	11	65	17.4	45	102	55	16	79	16.2	109	112	49	31	70	19.8	87	79	52	25	84	18.2
MIDLAND	MG 779B1	142	101	55	11	65	17.4	56	127	55	19	84	19.9	109	112	49	31	70	19.8	87	79	52	25	84	18.2
MIDLAND	MG 7A28BR	157	111	53	11	66	16.5	50	115	54	14	87	19.3	109	112	49	31	70	19.8	87	79	52	25	84	18.2
MIDWEST SEED	79123VT3	141	100	55	11	65	17.0	47	108	58	19	77	17.8	112	116	48	36	75	18.6	106	124	53	22	83	19.1
MIDWEST SEED	8944VT3	141	100	55	11	65	17.0	47	108	58	19	77	17.8	112	116	48	36	75	18.6	106	124	53	22	83	19.1
NC+	4023RB	143	101	56	10	66	16.9	43	99	58	15	83	18.1	109	112	49	31	70	19.8	87	79	52	25	84	18.2
NC+	4252VT3	133	94	55	9	64	17.1	51	117	57	14	79	17.2	109	112	49	31	70	19.8	87	79	52	25	84	18.2
NC+	5393VT3	141	100	55	10	65	17.5	36	82	57	15	78	17.1	96	99	49	34	68	18.3	55	65	52	23	84	16.8
NUTECH	0C-404 YGCB	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
NUTECH	3A-799 RR	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
NUTECH	3T-799 VT3	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
NUTECH	3W-403 RRYGRW	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
OTILLIE	4971VT3	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
OTILLIE	5441VT3	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
OTILLIE	5477 RRYGCB	131	93	58	10	65	16.4	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
PHILLIPS	784VT3	145	103	54	11	65	17.7	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6
PHILLIPS	795YGCB	148	105	54	10	64	18.0	41	94	59	16	83	19.5	102	106	48	35	70	18.2	40	47	51	26	84	17.6

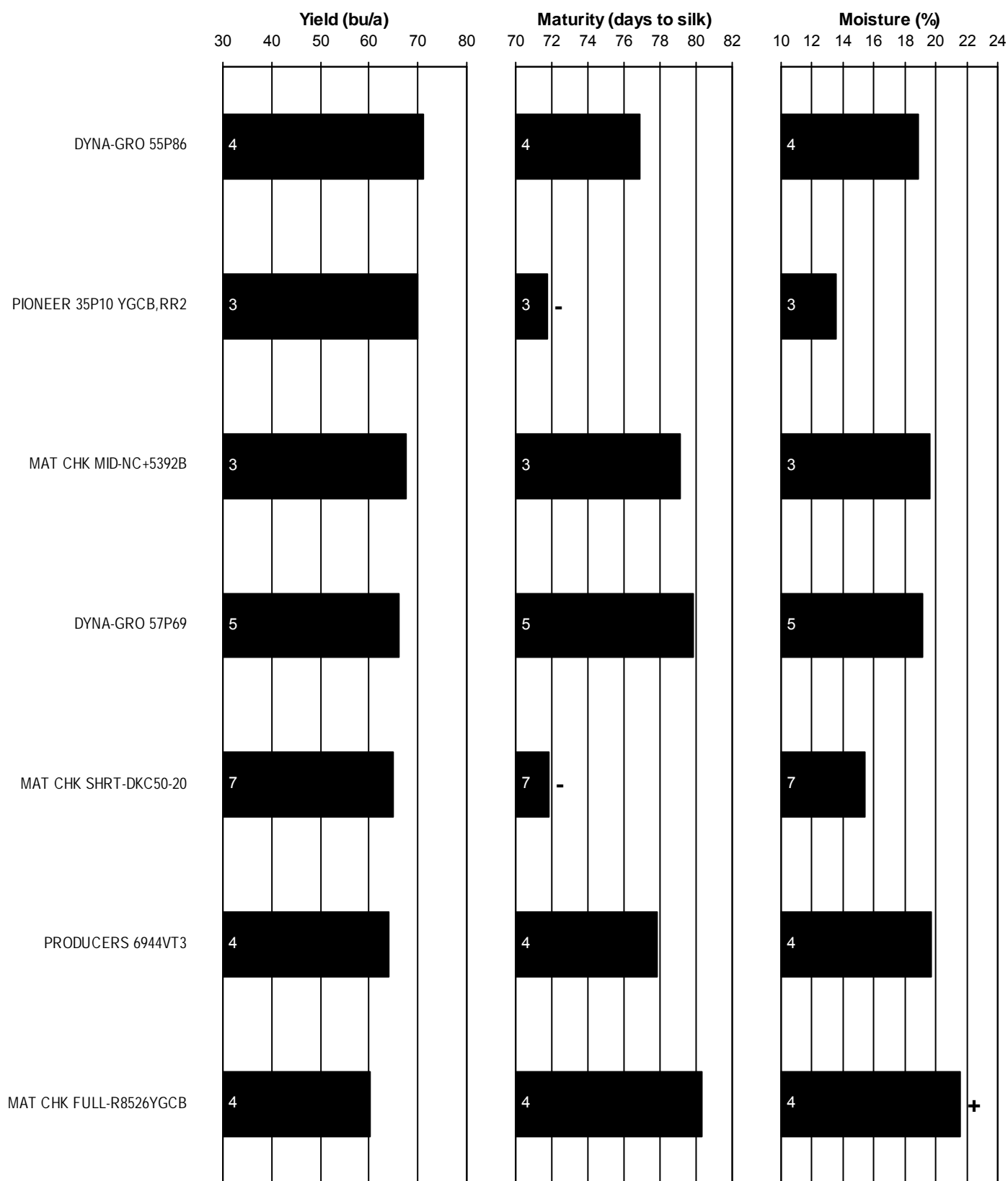


FIGURE 8. WEST Kansas NO-TILL DRYLAND corn hybrid standardized performance summary, 2004- 2008

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

WEST KANSAS IRRIGATED CORN TEST

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

Keith silt loam; Soybeans in 2007

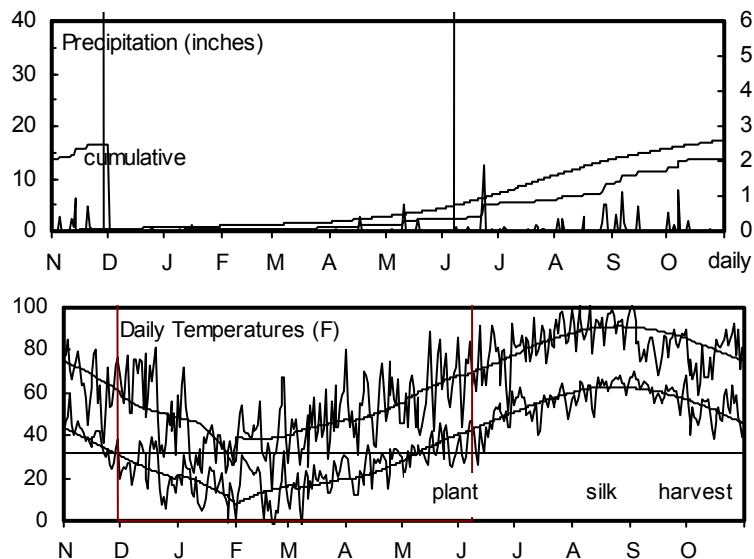
250 - 60 - 0 lb/a N, P, K

Planted on 5/8/2008; Harvested on 10/28/2008

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

Typical growing conditions until mid August when below normal temperatures and above normal rainfall occurred.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	1.1	2.4	33	32	370	19
April	1.3	1.4	47	49	199	187
May	2.9	2.9	58	59	369	351
June	0.7	3.4	70	70	581	591
July	2.9	3.1	77	76	737	748
August	3.1	2.1	72	74	661	714
Oct.	4.5	2.0	58	59	707	483
Totals:	16.5	17.4	51	51	3,624	3,093



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

Ulysses silt loam; Sunflowers in 2007

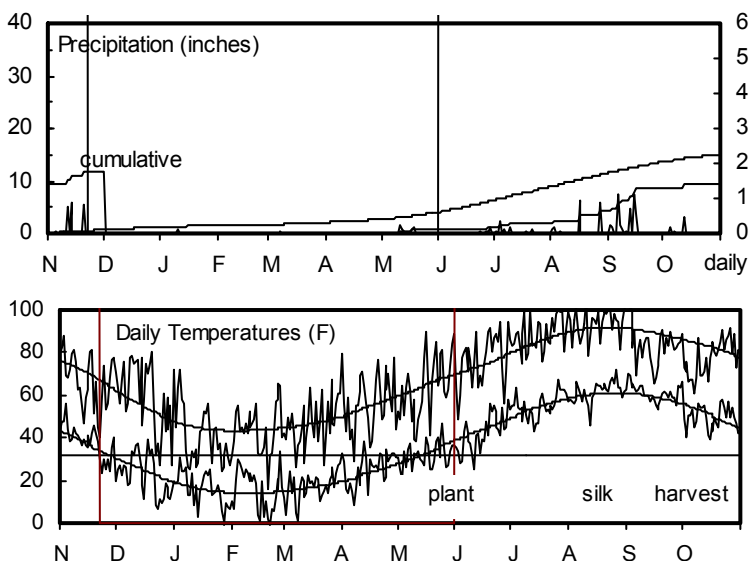
240 - 0 - 0 lb/a N, P, K

Planted on 5/1/2008; Harvested on 10/21/2008

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

Hail damage on May 29, June 3, and August 14. Irrigated after planting to aid emergence and early growth.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	0.2	2.1	34	34	446	73
April	0.7	1.3	48	49	228	222
May	0.3	2.3	60	59	420	381
June	0.8	2.5	72	70	591	581
July	2.2	2.6	78	76	729	720
August	4.2	2.3	72	74	647	697
Oct.	3.4	2.0	58	60	718	504
Totals:	11.9	15.0	52	52	3,779	3,177



Southwest Research-Extension Center, Garden City; Pat Evans, agronomist; Monty Spangler, technician

Keith silt loam; Wheat in 2007

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

Planted on 5/14/2008; Harvested on 10/20/2008

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

Good emergence, fairly uniform across stand. Hail storm on 6/20 caused moderate defoliation. Cooler and drier than normal.

Month	Precipitation		Average Temp.		GDU	
	2008	Norm.	2008	Norm.	2008	Norm.
Nov.-Mar	0.9	2.8	36	34	456	56
April	1.5	1.6	49	50	210	214
May	1.6	2.9	62	61	447	388
June	2.4	3.0	73	72	620	635
July	1.1	2.5	78	78	753	768
August	1.8	2.2	75	75	713	746
Oct.	5.2	2.6	60	61	779	530
Totals:	14.5	17.6	53	52	3,977	3,337

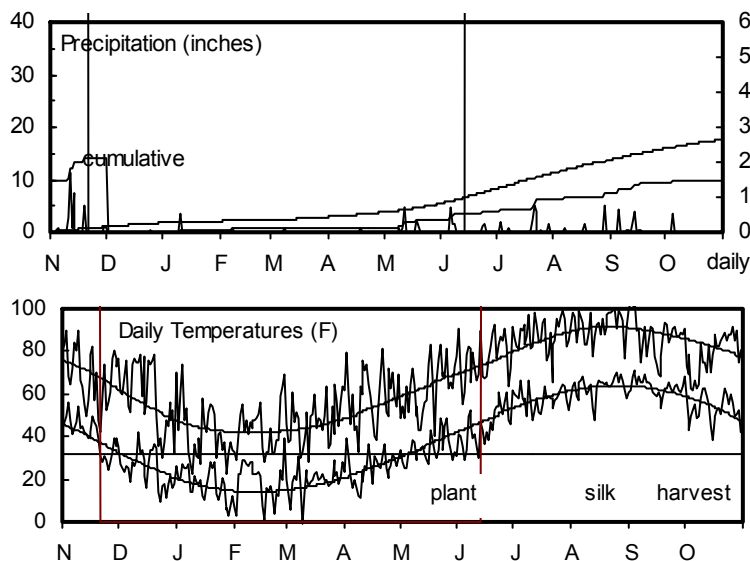


TABLE 14. WEST KANSAS IRRIGATED CORN PERFORMANCE TESTS, 2008

BRAND	NAME	COLBY, Thomas County						TRIBUNE, Greeley County						GARDEN CITY, Finney County					
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silks)	1000 ppa
DEKALB	DKC45-79	243	93	56	18	72	29.6	--	--	--	--	--	--	--	--	--	--	--	--
DEKALB	DKC52-59	259	99	56	18	73	28.3	--	--	--	--	--	--	--	--	--	--	--	--
DEKALB	DKC54-20	261	100	57	18	72	28.4	--	--	--	--	--	--	--	--	--	--	--	--
DEKALB	DKC55-24	259	99	56	18	72	28.9	--	--	--	--	--	--	--	--	--	--	--	--
DEKALB	DKC61-69	274	105	55	20	71	29.0	179	117	52	31	88	26.6	152	95	56	16	72	39.9
DEKALB	DKC62-29	268	103	56	20	73	27.9	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57B94	--	--	--	--	--	--	--	--	--	--	--	167	104	57	17	72	36.6	--
DYNA-GRO	57F37	273	105	55	21	74	29.2	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	57K41	268	103	53	21	73	27.9	--	--	--	--	--	157	99	56	18	73	37.8	
DYNA-GRO	57P12	--	--	--	--	--	--	--	--	--	--	--	160	100	57	18	74	37.6	
DYNA-GRO	57P56	242	93	56	19	73	28.4	--	--	--	--	--	151	95	57	16	72	37.5	
DYNA-GRO	57P93	--	--	--	--	--	--	--	--	--	--	--	174	109	59	16	72	35.2	
DYNA-GRO	57R91	204	78	54	21	73	29.2	111	72	51	32	93	21.2	139	87	58	16	73	35.3
DYNA-GRO	57T61	284	109	53	21	74	30.2	--	--	--	--	--	158	99	58	16	73	37.6	
DYNA-GRO	57V05	262	100	53	23	75	29.3	135	88	52	34	96	22.9	163	102	56	18	72	36.1
DYNA-GRO	57V07	270	103	54	21	72	29.2	109	71	50	32	91	16.0	144	90	57	16	74	32.1
DYNA-GRO	57V21	259	99	53	23	74	29.3	145	94	52	34	93	24.1	169	106	58	17	70	36.2
DYNA-GRO	57V30	--	--	--	--	--	--	--	--	--	--	--	134	84	60	16	71	36.6	
DYNA-GRO	57V62	259	99	55	20	74	29.2	130	85	52	32	92	25.4	142	89	58	16	71	34.3
DYNA-GRO	57V77	262	100	55	18	73	28.3	192	126	52	29	92	33.1	167	105	57	17	73	36.2
DYNA-GRO	57X97	--	--	--	--	--	--	--	--	--	--	--	170	107	57	17	73	33.6	
DYNA-GRO	58P27	--	--	--	--	--	--	--	--	--	--	--	154	96	56	19	75	37.0	
DYNA-GRO	58P60	--	--	--	--	--	--	--	--	--	--	--	152	95	57	18	75	37.6	
DYNA-GRO	58V72	259	99	52	21	73	28.4	--	--	--	--	--	151	95	56	17	76	37.4	
DYNA-GRO	58V72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	CXO8514	276	106	54	21	72	28.3	--	--	--	--	--	--	166	104	57	17	72	37.4
FIELDER'S CHOICE	NG6686	--	--	--	--	--	--	148	97	53	28	91	23.8	--	--	--	--	--	--
FIELDER'S CHOICE	NG6733	--	--	--	--	--	--	153	100	53	26	90	28.6	--	--	--	--	--	--
FIELDER'S CHOICE	NG6781	--	--	--	--	--	--	172	112	53	29	89	29.4	--	--	--	--	--	--
FIELDER'S CHOICE	NG6783	--	--	--	--	--	--	165	107	51	31	91	26.4	--	--	--	--	--	--
FIELDER'S CHOICE	NG6793	--	--	--	--	--	--	172	112	53	30	90	26.6	--	--	--	--	--	--
FONTELLE	7951YGCB	268	103	53	22	73	28.0	176	115	51	32	90	26.2	169	106	58	16	71	35.8
FONTELLE	71231	250	96	54	19	74	28.9	190	124	51	31	92	30.6	--	--	--	--	--	--
FONTELLE	88467	273	105	56	19	73	28.9	164	107	53	31	91	27.3	165	103	57	18	72	37.1
FONTELLE	81141	263	101	54	21	72	29.3	175	114	52	29	89	28.9	--	--	--	--	--	--
FONTELLE	81169	257	98	54	22	73	29.3	164	107	52	32	90	29.1	160	100	58	18	73	38.0
G2 GEN. by NUTECH	0A-615	269	103	54	24	72	29.3	174	114	51	32	92	30.0	162	102	50	15	75	38.7
G2 GEN. by NUTECH	1H-715 HX/LL	254	97	55	21	74	28.1	142	93	53	33	99	27.5	150	94	58	18	76	36.5
G2 GEN. by NUTECH	1H-911 HX/LL	261	100	57	20	74	29.1	132	86	53	30	95	21.7	145	91	58	18	75	35.5
G2 GEN. by NUTECH	1X-716 HX/LL	252	96	54	21	75	30.6	114	74	53	34	97	21.9	151	95	57	19	76	40.9
G2 GEN. by NUTECH	0A-508	220	84	57	19	71	29.4	--	--	--	--	--	--	--	--	--	--	--	--
LG SEEDS	LG2590VT3	--	--	--	--	--	--	151	98	51	30	93	29.8	160	101	57	16	73	39.2
LG SEEDS	LG2619BT/RR	--	--	--	--	--	--	169	110	52	32	93	26.9	167	105	59	16	72	37.4
LG SEEDS	LG2619VT3	255	98	54	23	72	25.2	--	--	--	--	--	--	--	--	--	--	--	--
LG SEEDS	LG2620VT3	270	103	54	20	72	28.2	131	85	50	29	95	20.6	--	--	--	--	--	--
LG SEEDS	LG2641VT3	262	100	55	18	75	29.0	127	83	50	33	94	22.2	175	110	56	18	70	38.0
LG SEEDS	LG2642VT3	265	101	53	23	71	27.0	--	--	--	--	--	--	--	--	--	--	--	--
MAT CHK	FULL-R852YGCB	267	103	54	21	74	27.0	163	107	51	34	96	25.7	153	96	57	19	73	34.0
MAT CHK	MID-NC+5392B	256	98	56	19	72	27.4	167	109	52	29	90	27.3	147	92	58	16	72	35.4
MAT CHK	SHRT-DKC50-20	253	97	56	17	73	28.5	132	86	55	20	87	24.2	145	91	58	16	70	36.1
MIDLAND	MG 126Bt	261	100	53	17	71	28.9	--	--	--	--	--	--	162	102	57	15	72	37.3
MIDLAND	MG 417Bt	267	102	53	22	73	24.0	--	--	--	--	--	--	160	100	57	15	72	35.9
MIDLAND	MG 697Bt	247	95	53	20	74	29.3	--	--	--	--	--	--	173	108	57	16	72	39.4
MIDLAND	MG 779Bt	268	103	53	23	75	28.7	--	--	--	--	--	--	171	107	58	18	73	39.2
MIDLAND	MG 7A28BR	255	98	52	25	74	26.5	--	--	--	--	--	--	153	96	57	17	75	36.8
MIDWEST SEED	76485VT3	263	101	55	21	74	28.1	--	--	--	--	--	--	--	--	--	--	--	--
MIDWEST SEED	79123VT3	229	88	54	21	73	29.0	--	--	--	--	--	--	168	105	58	16	71	37.9
MIDWEST SEED	80404VT3	260	100	55	19	72	30.7	--	--	--	--	--	--	159	100	59	18	72	38.8
MYCOGEN	2C727	262	100	53	22	72	27.7	152	99	50	30	93	27.3	166	104	57	16	72	40.6
MYCOGEN	2T783	263	101	55	21	75	30.2	136	89	51	31	92	23.5	157	99	58	17	75	38.8
MYCOGEN	2T804	274	105	54	21	73	28.4	115	75	51	33	94	19.5	170	107	58	18	74	37.5
MYCOGEN	2T826	--	--	--	--	--	--	--	--	--	--	--	--	154	96	56	18	75	36.0
NC+	4022VT3	260	100	55	21	73	27.9	152	100	52	29	92	25.2	151	95	59	16	74	38.6
NC+	4023RB	--	--	--	--	--	--	--	--	--	--	--	--	159	100	59	16	72	40.4
NC+	4252VT3	249	96	53	22	73	29.1	166	109	53	29	90	31.4	165	104	57	17	72	39.4
NC+	5393VT3	271</																	

TABLE 15 . WEST KANSAS IRRIGATED MULTI-YEAR YIELD PERCENT OF TEST AVERAGES, 2006-2008

BRAND	NAME	Colby, Thomas County					Tribune, Greeley County					Garden City, Finney County				
		2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)	2008 (%)	2007 (%)	2006 (%)	2-Yr. Avg. (%)	3-Yr. Avg. (%)
DYNA-GRO	57B94	--	--	--	--	--	--	--	--	--	104	106	102	105	104	
DYNA-GRO	57F37	105	102	102	103	103	--	98	110	--	104	--	99	106	--	103
DYNA-GRO	57P12	--	--	--	--	--	--	--	--	--	100	101	109	101	104	
DYNA-GRO	57P93	--	--	--	--	--	--	--	--	--	109	105	120	107	111	
DYNA-GRO	57X97	--	99	109	--	104	--	--	--	--	107	107	116	107	110	
FONTANELLE	7951YGCB	103	107	105	105	105	115	105	102	110	107	106	103	101	105	104
LG SEEDS	LG2619BT	--	104	117	--	111	110	108	113	109	110	105	108	122	106	111
MAT CHK	FULL-R8526YGCB	103	103	101	103	102	107	92	101	99	100	96	79	111	88	96
MAT CHK	SHRT-DKC50-20	97	82	84	89	88	86	87	83	87	85	91	87	68	89	82
MIDLAND	MG 417Bt	--	--	--	--	--	--	--	--	--	100	103	106	102	103	
MIDLAND	MG 697Bt	--	--	--	--	--	--	--	--	--	108	101	93	105	101	
MIDLAND	MG 7A28Bt/RR	--	--	--	--	--	--	--	--	--	96	100	104	98	100	
MYCOGEN	2C727	100	94	104	97	99	99	104	105	101	102	--	--	--	--	--
TRIUMPH	1536CBRR	96	115	105	105	105	--	93	112	--	103	--	--	--	--	--
	AVERAGE (bu/a)	261	224	231	242	239	153	237	245	195	212	159	208	152	184	173
	CV (%)	8	9	9			12	8	7			10	6	12		
	LSD (.05)	11	12	12			17	11	10			14	8	16		

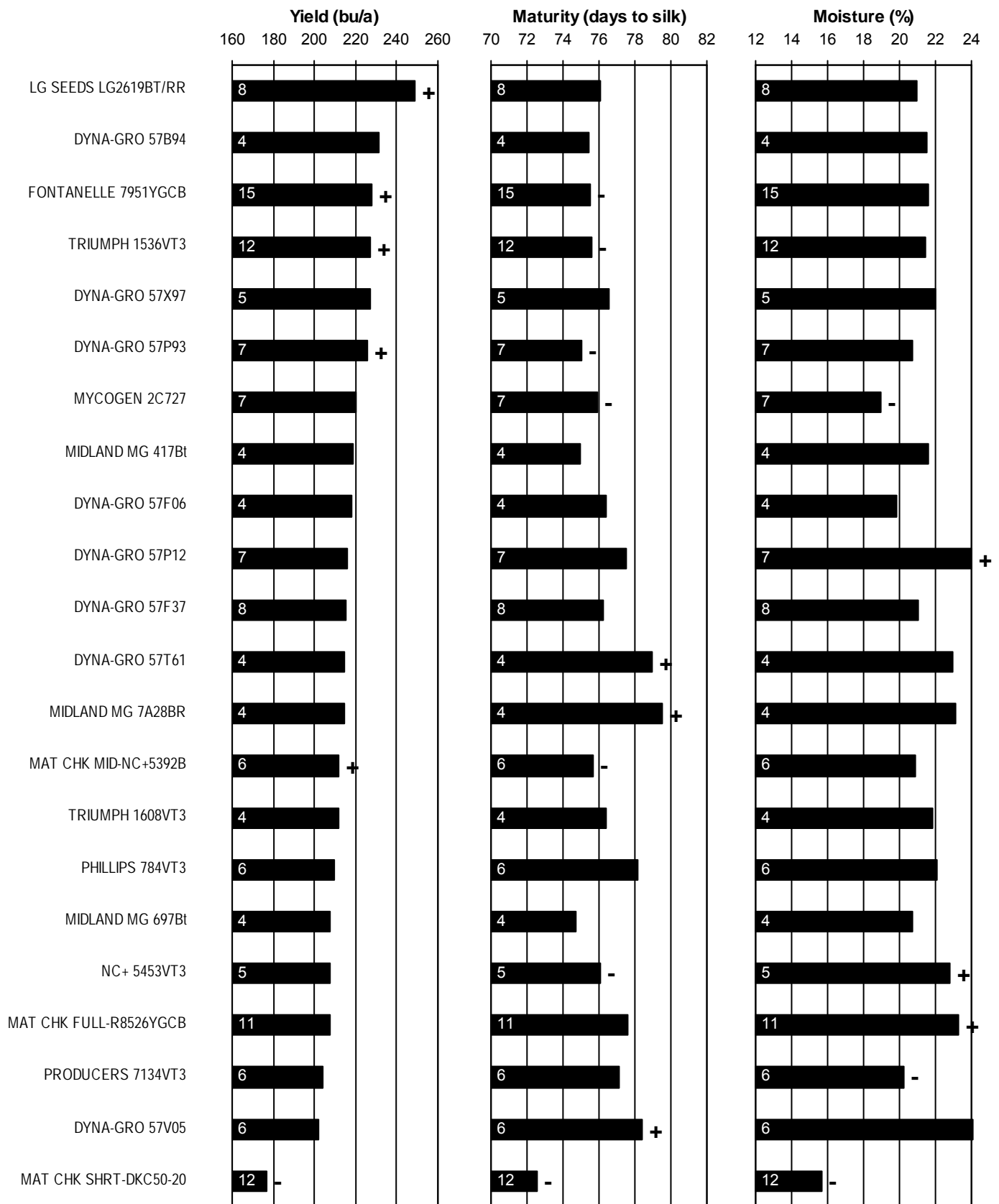


Figure 9. WEST Kansas IRRIGATED corn hybrid standardized performance summary, 2004-2008

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

Table 16. Entries in the 2008 Kansas Corn Performance Tests*

SD TRT* GDD DBL RES P F							SD TRT GDD DBL RES P F						
AGRIGOLD							DYNA-GRO						
A6399VT3	P250	2690	108	RR	--	Y	57P56	P250, A	2850	114	RR,YGCB	Y	Y
A6479VT3	P250	2700	112	RR	--	N	57V07	P250, A	2850	114	VT3	Y	Y
A6489VT3	P250	2700	112	RR	--	N	CXO8514	P250, A	2850	114	YGCB	Y	Y
A6533VT3	P250	2780	113	RR	--	Y	57P12	P250, A	2860	114	RR,YGCB	Y	Y
A6594VT3	P250	2800	115	RR	--	Y	57V05	P250, A	2860	114	RR,YGVT	Y	Y
A6632VT3	P250	2800	115	RR	--	Y	57V21	P250, A	2870	115	VT3	Y	Y
A6633VT3	P250	2800	115	RR	--	Y	58P60	P250, A	2925	116	RR,YGCB	Y	Y
AGVENTURE							FIELDER'S CHOICE						
AV 4480	--	--	--	--	--	--	58P27	P250, A	2985	117	RR,YGCB	Y	Y
AV 4883	--	--	--	--	--	--	NG6686	P250	2650	--	CB,RW,RR	N	Y
DEKALB							FONTANELLE						
DKC45-79	P250	2410	95	VT3	--	--	NG6733	P250	2700	--	CB, RW,RR	N	Y
DKC46-60	P250	2370	96	VT3	--	--	NG6781	P250	2750	--	CB,RW,RR	N	Y
DKC50-19	P250	2530	100	VT3	--	--	NG6783	P250	2780	--	CB, RW,RR	N	Y
DKC50-44	P250	2530	100	VT3	--	--	NG6793	P250	2780	--	CB,RW,RR	N	Y
DKC52-59	P250	2540	102	VT3	--	--	5K626	P250	--	--	YGPL	--	--
DKC54-20	P250	2590	104	RR2,YGCB	--	--	5T128	P250	--	--	VT3	--	--
DKC55-24	P250	2561	105	VT3	--	--	7N771	P250	--	--	YGCB, RR2	--	--
DKC58-16	P250	2735	108	VT3	--	--	7T231	P250	--	--	VT3	--	--
DKC60-18	P250	2750	110	RR2,YGPL	--	--	8B467	P250	--	--	YGCB	--	--
DKC61-69	P250	2760	111	VT3	--	--	8K339	P250	--	--	--	--	--
DKC62-99	P250	2755	112	RR2,YGCB	--	--	8T141	P250	--	--	YGPL	--	--
DKC62-29	P250	2780	112	VT3	--	--	8T169	P250	--	--	VT3	--	--
DKC63-42	P250	2800	113	VT3	--	--	7951YGCB	P250	--	115	CB	N	Y
DKC64-79	P250	2820	114	VT3	--	--	G2 GEN. by NUTECH						
DKC67-23	P250	2830	117	RR2,YGCB	--	--	OA-715	--	--	--	--	--	--
DKC67-87	P250	2845	117	RR2,YGCB	--	--	OA-615	P250, Dyna	1310	--	--	--	Y
DYNA-GRO							KRUGER						
53V13	P250, A	2335	94	RR2,YGCB	Y	Y	1H-715 HX/LL	P250, Dyna	1315	--	HX1/LL	--	Y
54K35	P250, A	2360	96	RR	N	Y	5H-212 RR/HX	P250, Dyna	1320	--	RR2/HX1/LL	--	Y
54V78	P250, A	2400	97	VT3	Y	Y	1H-911 HX/LL	P250, Dyna	1325	--	HX1/LL	--	Y
55P86	P250, A	2545	103	RRCB	Y	Y	1X-911 HXT/LL	P250, Dyna	1325	--	HXT/LL	--	Y
56P07	P250, A	2560	104	RRCB	Y	Y	1H-716 HX/LL	P250, Dyna	1335	--	HX1/LL	--	Y
55B31	P250, A	2580	104R	YGPL CB/RWY	Y	Y	1X-716 HXT/LL	P250, Dyna	1335	--	HXT/LL	--	Y
56B83	P250, A	2625	106R	YGPL CB/RWY	Y	Y	5H-314 RR/HX	P250, Dyna	1345	--	RR2/HX1/LL	--	Y
CXO8808	P250, A	2630	106	RR	Y	Y	5H-501 RR/HX	P250, Dyna	2465	--	RR2/HX1/LL	--	Y
55B49	P250, A	2640	106R	YGPL CB/RWY	Y	Y	5H-702 RR/HX	P250, Dyna	2545	--	RR2/HX1/LL	--	Y
CXO8216	P250, A	2700	108R	YGPL CB/RWY	Y	Y	1H-005 HX/LL	P250, Dyna	2590	--	HX1/LL	--	Y
CXO7110	P250, A	2750	109	VT3	Y	Y	1H-005A HX/LL	P250, Dyna	2590	--	HX1/LL	--	Y
57P69	P250, A	2775	110	RR,CB	Y	Y	5H-506 RR/HX	P250, Dyna	2595	--	RR2/HX1/LL	--	Y
57V98	P250, A	2745	111	VT3	Y	N	5H-508 RR/HX	P250, Dyna	2650	--	RR2/HX1/LL	--	Y
57V77	P250, A	2800	111	VT3	Y	Y	AGRIGOLD						
57F06	P250, A	2805	112	CB	Y	Y	K-6298VT3	CE	--	98	RR,BT,CRW	Y	Y
57F37	P250, A	2810	112	CB	Y	Y	K-6499VT3	CE	--	99	RR,BT,CRW	Y	Y
57V44	P250, A	2810	112	RR,YGVT	Y	Y	K-1500RR	CE	2470	100	RR	Y	Y
57R91	P250, A	2825	112	RR/LL/HXX CB R	Y	Y	K-6400TS	CE	2500	100	RR,YG+	Y	Y
57V30	P250, A	2825	112	VT3	Y	Y	K-6401VT3	CE	--	101	RR,BT,CRW	Y	Y
57T61	P250, A	2820	113	RR,HX1	Y	Y	K-6102VT3	CE	--	102	RR,BT,CRW	Y	Y
57X97	P250, A	2825	113	CB	Y	Y	K-6606VT3	CE	--	106	RR,BT,CRW	Y	Y
57K71	P250, A	2830	113	RR	Y	Y	K-6006VT3	CE	2550	106	RR,YG+	Y	Y
57V62	P250, A	2835	113	VT3	Y	Y	K-6008VT3	CE	--	108	RR,BT,CRW	Y	Y
57B94	P250, A	2840	113	RR,YGPL	Y	Y	K-6210TS	CE	--	110	RR,BT,CRW	Y	Y
57P93	P250, A	2840	113	RR,YGCB	Y	Y	K-7010YG+	CE	--	110	RR,BT,CRW	Y	Y
57K41	P250, A	2850	114	RR	Y	Y	K-6011TS	CE	--	111	RR,BT,CRW	Y	Y
							K-6411VT3	CE	--	111	RR,BT,CRW	Y	Y

Table 16 continued. Entries in the 2008 Kansas Corn Performance Tests

	SD TRT*	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
KRUGER							MYCOGEN						
K-6111TS	CE	2620	111	RR,YG+	Y	Y	2T826	CE250	2790	115	RR,LL	--	Y
K-6212TS	CE	--	112	RR,BT,CRW	Y	Y	NC+						
K-8112HX	CE	--	112	RR,HXX	Y	Y	1981R	C250	--	--	--	--	--
K-6412VT3	CE	2630	112	RR,YG+	Y	Y	4022VT3	C250	--	--	--	--	--
K-6013VT3	CE	--	113	RR,BT,CRW	Y	Y	4023RB	C250	--	--	--	--	--
K-6213VT3	CE	--	113	RR,BT,CRW	Y	Y	4252VT3	C250	--	--	--	--	--
K-6114VT3	CE	--	114	RR,BT,CRW	Y	Y	5393VT3	C250	--	--	--	--	--
K-9414RR/HXT	CE	--	114	RR,HXX	Y	Y	76995S	C250	--	--	--	--	--
K-2115RR/YGCB	CE	--	115	RR,BT	Y	Y	5453VT3	C250	2830	114	RR,CB,RW	N	Y
K-6015VT3	CE	2650	115	RR,YG+	Y	Y	NUTECH						
K-6517TS	CE	2780	115	RR,YG+	N	Y	0C-404 YGCB	P250	--	--	YGCB	--	--
K-5116YGCB	CE	--	116	BT	Y	Y	1B-516 CB/LL	C250	--	--	CB/LL	--	Y
K-8616Hx	CE	2775	116	LL,HX	Y	Y	3A-414 RR	P250	--	--	RR2	--	Y
LEWIS													
910CB/RR	P250	--	110	CB,RR	N	N	3A-799 RR	C250	--	--	RR2	--	Y
912CB	P250	--	112	CB	N	N	3C-317 RR/YGCB	P250	--	--	RR2/YGCB	--	Y
815VT3	P250	--	115	VT3	N	Y	3C-414 RR/YGCB	C250	--	--	RR2/YGCB	--	Y
7198VT3	P250	2820	116	CBRWRR	--	Y	3P-316 RR/YGPL	P250	--	--	RR2/YGPL	--	Y
LG SEEDS													
LG2590VT3	P250	2590	111	VT3	N	Y	3P-708 RR/YGPL	P250	--	--	RR2/YGPL	--	Y
LG2620VT3	P250	2620	112	VT3	N	Y	3T-109 VT3	P250	--	--	VT3	--	Y
LG2619BT/RR	P250	2680	113	CB,RR	N	Y	3T-110 VT3	P250	--	--	VT3	--	Y
LG2619VT3	P250	2680	113	VT3	N	Y	3T-311 VT3	P250	--	--	VT3	--	Y
LG2627VT3	P250	2685	114	VT3	N	Y	3T-315 VT3	P250	--	--	VT3	--	Y
LG2641VT3	P250	2685	114	VT3	N	Y	3T-511 VT3	P250	--	--	VT3	--	Y
LG2642VT3	P250	2700	115	VT3	N	N	3T-514 VT3	P250	--	--	VT3	--	Y
MFA MORCORN													
MC3597VT3	C	2490	105	VT3	Y	N	3T-710 VT3	P250	--	--	VT3	--	Y
MC4207VT3	C	2760	112	VT3	Y	Y	3T-799 VT3	C250	--	--	VT3	--	Y
MC4507VT3	C	2760	115	VT3	Y	Y	3T-809 VT3	P250	--	--	VT3	--	--
MIDLAND													
MG 119BR	--	--	--	--	--	--	3T-912 VT3	P250	--	--	VT3	--	--
MG 159HLR	--	--	--	--	--	--	3W-403 RR/YGRW	P250	--	--	RR2/YGRW	--	--
MG 658HL	--	--	--	--	--	--	5X-512 RR/HXT	P250	--	--	RR2/HXT/LL	--	Y
MG 779BT	--	--	--	--	--	--	1H-201 HX/LL	C250	2525	--	LL,HX1	N	Y
MG 126Bt	--	2510	100	CB	Y	Y	1X-112 HXT/LL	C250	2640	--	LL,HXTRA	N	S
MG 417Bt	--	2760	110	CB	Y	Y	3T-310 VT3	C250	2640	--	VT3	N	S
MG 436Bt	--	2780	111	CB	Y	Y	0C-413 YGCB	P250	2690	--	YGCB	N	S
MG 638RR	--	2820	113	RW,RR	Y	Y	3U-313 VTRR	C250	2690	--	RR2,YGRW	N	S
MG 697Bt	--	2820	113	CB	Y	Y	1X-114 HXT/LL	C250	2720	--	LL,HXTRA	N	S
MG 7A28BR	--	2840	115	CB,RR	Y	Y	3T-115 VT3	P250	2720	--	VT3	N	Y
MG 7A58BR	--	2870	117	CB,RR	Y	Y	0C-616 YGCB	C250	2735	--	YGCB	N	Y
MIDWEST SEED													
70006R	C250	--	--	--	--	--	3T-616 VT3	C250	2790	--	VT3	--	Y
76485VT3	C250	--	--	--	--	--	OTTILIE						
79123VT3	C250	--	--	--	--	--	EXP 11308-1BT	P250	2720	--	BT	N	N
80404VT3	C250	2830	114	RR,CB,RW	N	Y	5441VT3	CE	2800	--	VT3	Y	Y
MYCOGEN													
2C598	CE250	2595	107	RR,LL	--	Y	4971VT3	CE	2810	--	VT3	Y	Y
2C727	CE250	2640	112	HX I,LL	--	Y	5411VT3	P250	2850	--	VT3	N	N
2Y737	CE250	2725	113	Hxtra,LL	N	Y	5477 RR/YGCB	MXL	--	117	RR,CB	--	Y
2T783	CE250	2740	114	RR,LL	--	Y	PFISTER						
2T804	CE250	2745	114	RR,LL	--	Y	2445HXT	P250	2470	124	CB,RW,LL	N	Y
							2424Hx1-RR	P250	2490	125	CB,LL,RR	N	Y
							2570VT3	P250	2640	127	CB,RW,RR	N	Y
							2675RW-Bt	P250	2720	129	CB, RW	N	Y
							2756VT3	P250	2730	130	CB,RW,RR	N	Y
							3366VT3	P250	2900	135	CB,RW,RR	N	Y

Table 16 continued. Entries in the 2008 Kansas Corn Performance Tests

SD TRT*		GDD	DBL	RES	P	F	SD TRT	GDD	DBL	RES	P	F	
PHILLIPS						SYLVESTER							
784VT3	P250	2800	111	RR,Bt	Y	Y	715BRW	--	--	--	--	--	
7B15RRYGCB	P250	2800	111	RR,CB	Y	Y	779BT	--	--	--	--	--	
795YGCB	P250	2820	111	VT3	Y	Y	7A28BR	--	--	--	--	--	
793VT3	P250	2800	112	VT3	Y	Y	7A58BR	--	--	--	--	--	
7A29RRYGCB	P250	2850	113	RR,CB	Y	Y	TAYLOR						
PIONEER													
35P10 YGCB,RR2	P250	2530	104	CB,RR	N	Y	930	P250	--	110	--	Y	Y
35K03 HX1,LL,RR2	P250	2530	106	LL,RR	N	Y	2230	P250	--	112	RR CB	--	--
35F40 HX1,LL,RR2	P250	2550	106	CB,RR	Y	Y	644	P250	--	112	--	N	N
34R67 HX1,LL,RR	P250	2580	109	LL,RR	N	Y	C-36112	P250	--	112	VT3	--	--
PREMIUM													
P244Bt	--	2450	--	YG	N	Y	C-113-08	P250	--	113	VT3	--	--
P246Bt	--	2500	--	YG	N	Y	2260	P250	--	114	--	N	N
P249Bt	--	2500	--	YG	N	Y	C-114-08	P250	--	114	VT3	--	--
P254	--	2500	--	--	N	Y	690	P250	--	118	RR	--	--
P236Bt	--	2550	--	YG	N	Y	TRIUMPH						
P252Bt	--	2550	--	YG	N	Y	3203CBRR	P250	2290	103	CB/RR	N	Y
PRODUCERS													
5624VT3	P250	--	--	RR,CB,RW	--	Y	6512VT3	P250	2350	106	VT3	N	Y
5684VT3	P250	--	--	RR,CB,RW	--	Y	8607CbRR	P250	2410	108	CB/RR	N	Y
5734VT3	P250	--	--	RR,CB,RW	--	Y	1109VT3	P250	2470	111	VT3	N	Y
7254VT3	P250	--	--	RR,CB,RW	--	Y	1536VT3	P250	2550	115	CB,RR	N	Y
7325VT3	P250	--	--	RR,CB,RW	--	Y	1608VT3	P250	2570	116	VT3	N	Y
7374VT3	P250	--	--	RR,CB,RW	--	Y	1706HXRR	P250	2630	117	VT3	N	Y
7394VT3	P250	--	--	RR,CB,RW	--	Y	1802CBRR	P250	2630	118	CB/RR	N	Y
7414VT3	P250	--	--	RR,CB,RW	--	Y	1977CbRR	P250	2650	119	CB/RR	N	Y
7514VT3	P250	--	--	RR,CB,RW	--	Y	MATURITY CHECK						
7624VT3	P250	--	--	RR,CB,RW	--	Y	MID-NC+5392B	--	--	--	--	--	--
6944VT3	P250	2550	--	RR,Bt,RW	--	Y	SHRT-DKC50-20	--	2528	100	RR,CB	--	Y
7134VT3	P250	2575	--	RR,Bt,RW	--	Y	FULL-R8526YGCB	--	2800	118	CB	N	Y
RENZE													
1185VT3	P250	2450	101	RR,CB,RW	Y	Y							
8199YGCB	P250	2520	103	CB	Y	Y							
5X268HXT/LL	--	2620	106	LL,CB,RW	Y	Y							
4296LL	--	2680	107	LL	Y	Y							
5X347HXT/LL	P250	2770	111	LL,CB,RW	Y	Y							
5X389HXT/LL	--	2775	112	LL,CB,RW	Y	Y							
1399VT3	P250	2780	113	RR,CB, RW	Y	Y							
5X479HXT/LL	--	2785	113	LL,CB,RW	Y	Y							
7409RR2	P250	2785	113	RR	Y	N							
1499VT3	P250	2850	116	RR,CB,RW	Y	Y							
1526VT3	P250	2870	117	RR,CB,RW	Y	Y							
STINE													
9724RRYGCB	P250	2550	112	RR,CB	N	Y							
9725VT3	P250	2620	114	RR/RW/CB	N	Y							
9806RRYGCR	P250	2620	116	RR,CB	N	Y							
SYLVESTER													
417Bt	--	--	--	--	--	--							
417HL	--	--	--	--	--	--							
436BT	--	--	--	--	--	--							
638RR	--	--	--	--	--	--							
658HL	--	--	--	--	--	--							
697BT	--	--	--	--	--	--							

*SD TRT = Seed treatment (C=Cruiser, CE=Cruiser Extreme, P=Poncho. Numbers indicate rates if available); GDD = growing degree days; DBL = days to black layer; RES = herbicide, disease, and insect resistance traits[(Bt, BtCB, CB, YG, YG1, YG+, YGCB), Hx = transgenic corn borer protection; BtRW, RW, YGRW, HxRW = transgenic rootworm protection; CL, I, IT, IMI = imidazolinone resistant/tolerant; LL = Liberty Link; RR = Roundup Ready; TS, T= Triple Stack (RRCBRW)]; P= prolific; F= flex ear. Values provided by entrants.

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