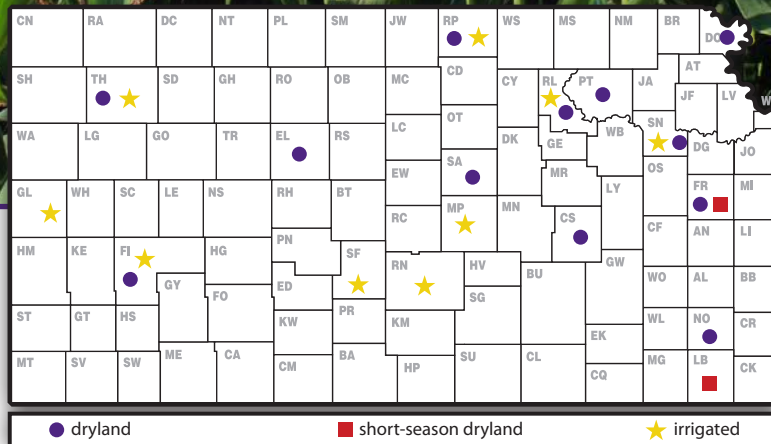


# 2012 Kansas Performance Tests with

# Corn Hybrids



## Report of Progress 1073



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# 2012 CORN CROP REVIEW

## Statewide Growing Conditions

The 2012 Kansas corn crop suffered through another devastating growing season for most of the state. Unlike the previous year when the northeast and north central areas of the state had too much water during the spring months, all counties in Kansas experienced higher-than-normal temperatures and lack of precipitation during the summer (Figure 1). High temperatures and limited moisture adversely affected pollination and grain fill and resulted in crop failure or early cutting for many acres of corn. The corn performance tests that failed in 2012 include the dryland tests in Pottawatomie, Chase, Saline, Ellis, and Thomas Counties. The Kansas corn crop did enjoy a respite in August with widespread rains and cooler temperatures, but the relief was too late for much of the state.

The quality of the corn crop was directly affected by the adverse conditions; less than 15% of the crop was rated in good condition by the end of the growing season (Figure 2). (Crop-Weather Reports, Kansas Agricultural Statistics, Topeka)

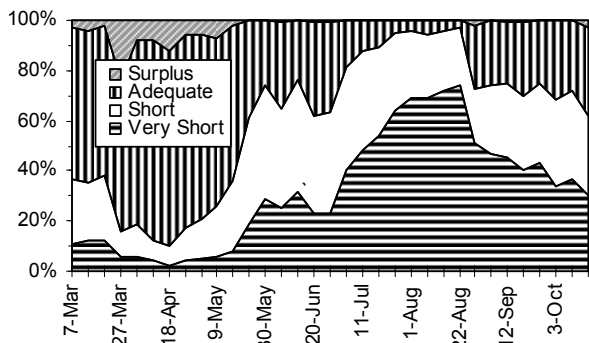


Figure 1. Statewide status of topsoil moisture

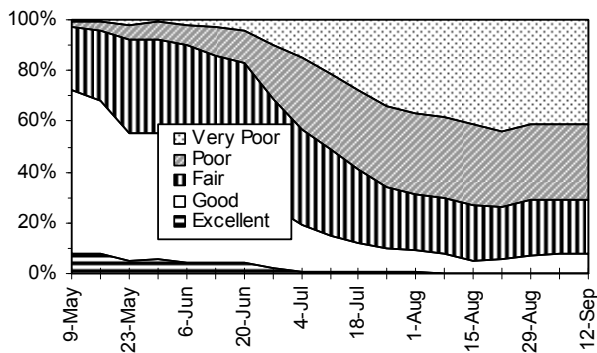


Figure 2. Condition of 2012 Kansas corn crop

## Harvest Statistics

The October 11 Crops Report predicted a 382.2 million-bushel crop, down 15% from last year's production. If realized, this would be the smallest Kansas corn crop since 2006. The anticipated number of acres to be harvested for grain is 4.2 million, unchanged from last year. The predicted average yield of 91 bushels per acre is down 16 bushels from last year. If realized, this would be the lowest Kansas corn yield since 1975. (Kansas Agricultural Statistics Service, Topeka)

## Diseases

For the second year in a row, drought significantly affected much of the Kansas corn crop. Gray leaf spot, typically the most common foliar disease, was almost nonexistent in Kansas corn fields. The upside of this is that foliar fungicides were generally not necessary for disease control, helping to reduce inputs on a below-average crop.

Goss's bacterial wilt was common in fields with susceptible hybrids where hail or sand blasting created wounds for the bacterium to enter. Incidence and severity of the disease continues to be correlated with no-till, continuously cropped corn systems.

For the second year in a row, drought resulted in above-normal levels of the ear mold, *Aspergillus flavus*. *Aspergillus* is an important mold because of its ability to produce aflatoxin, a known liver carcinogen that is highly regulated by the Food and Drug Administration (FDA). The good news is that most fields tested below 100 ppb. At this level, the corn can be consumed by mature swine, sheep, and beef cattle, and most producers were able to market their grain without penalty. In early October, the FDA granted Kansas permission to blend the 2012 crop to reduce aflatoxin levels to useable levels.

Both stalk rot and charcoal rot were present in most dryland corn fields. Although lodging was not significant, reduced ear size contributed to reduced yields in addition to the drought.

Most other diseases were at very low levels. Diseases identified include common rust, southern rust, anthracnose, and *Diplodia* stalk rot. Common smut was also present in many fields where high heat inhibited pollination. (Doug Jardine, Kansas State University Department of Plant Pathology)

## **Insects**

2012 was a very stressful year for all crops, especially corn. Because the corn was so negatively affected by the weather, there was very little concern or impact related to corn pests. In fields that produced corn, spider mites were sometimes a problem, which makes sense because spider mites always thrive in hot, dry conditions. A few fields were treated in eastern KS for Japanese beetles feeding on silks, which is often necessary for states east of KS, but has not really been a problem in this state before this year. (Jeff Whitworth, Kansas State University Department of Entomology)

## **2012 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. Most companies submit seed treated with systemic insecticides, which can affect yield in some situations. A column listing insecticide seed treatments for each hybrid is included in Table 9 to help interpret yield results.

Three to 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 in summaries preceding data for each test. Tables 2 through 8 contain results from the individual performance tests. Hybrids are listed together by company name. A summary of growing season weather data is given for individual test discussions. Precipitation graphs include cumulative lines for 2012 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.

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 midseason 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 2012 Kansas Corn Performance Tests**

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<b>AgriGold Hybrids</b> St. Francisville, IL 618-943-5776 agrigold.com	<b>Golden Acres Genetics</b> Waco, TX 254-761-9838 gaseed.com	<b>Midland Genetics Group</b> Ottawa, KS 785-242-3598 midlandgenetics.com	<b>Producers Hybrids</b> Battle Creek, NE 800-673-3190 producershybrids.com
<b>AgVenture</b> Minden, NE 308-832-1050 agventure.com	<b>Hoegemeyer Hybrids</b> Hooper, NE 402-654-3399 hoegemeyer.com	<b>Mycogen Seeds</b> Indianapolis, IN 1-800-MYCOGEN dow.com	<b>Stine Seed Company</b> Sheridan, IN 317-758-0800 stineseed.com
<b>Dekalb (Monsanto)</b> St. Louis, MO 800-768-6387 asgrowanddekalb.com	<b>Kruger Seed</b> Dike, IA 319-989-2414 krugerseed.com	<b>NuTech Seed, LLC</b> Ames IA 515-232-1997 yieldleader.com	<b>Taylor Seed Farms, Inc.</b> White Cloud, KS 785-595-3236 taylorseedfarms.com
<b>G2 Genetics by NuTech</b> Ames, IA 515-232-1997 yieldleader.com	<b>LG Seeds</b> Elmwood, IL 800-752-6847 lgseeds.com	<b>Phillips Seed Farms, Inc.</b> Hope, KS 785-949-2204 phillipsseed.com	<b>Triumph Seed Co., Inc.</b> Ralls, TX 888-521-7333 triumphseed.com
<b>Garst Seed</b> Munden, KS 785-427-8122 syngenta.com	<b>Masters Choice</b> Anna, IL 866-444-1044 seedcorn.com	<b>Pioneer Hi-Bred Intl., Inc.</b> Lincoln, NE 402-467-5458 pioneer.com	



## NORTHEAST KANSAS DRYLAND CORN TESTS

Agronomy North Farm, Manhattan; Jane Lingenfelter, agronomist; Edward Quigley, technician

Reading silt loam; Soybean in 2011

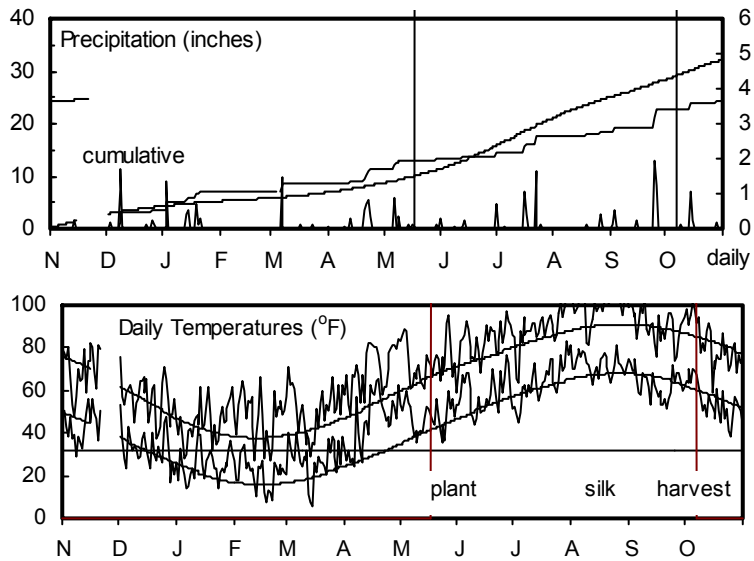
160 - 0 - 0 lb/a N, P, K

Planted on 4/17/2012; Harvested on 9/5/2012

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

Rains in late March resulted in good establishment and early growth. Plants were badly stressed during the summer months.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	12.5	7.4	45	37	591	273
April	1.7	2.4	60	53	333	222
May	0.4	4.2	71	64	596	412
June	3.3	4.8	78	73	696	640
July	0.6	3.7	86	79	840	770
August	4.2	3.2	76	78	678	750
Sep.-Oct.	2.1	5.1	63	66	718	563
Totals:	24.7	30.9	59	54	4,451	3,628



Fuhrman Farms, Inc., Severance; Al Fuhrman, cooperater; Jane Lingenfelter, agronomist; Edward Quigley, technician

Ulysses silt loam; Soybean in 2011

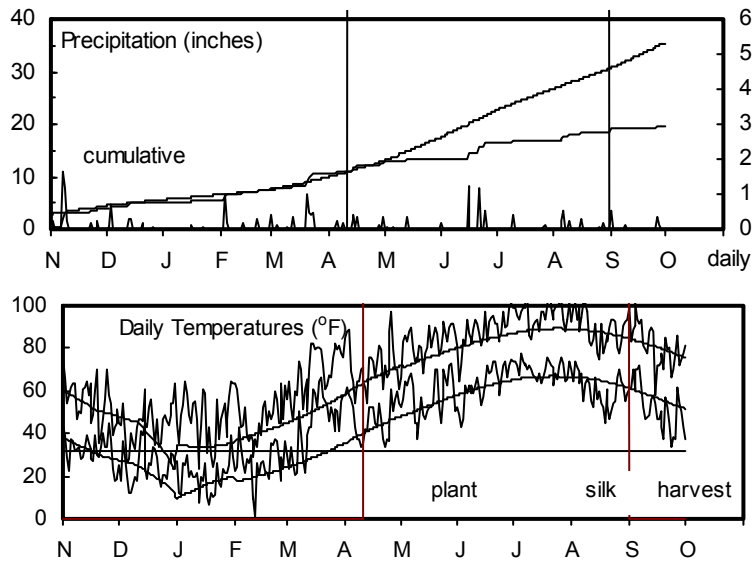
175 - 0 - 0 lb/a N, P, K

Planted on 4/11/2012; Harvested on 8/30/2012

Target stand of 32,000plants/acre; 6.5 in. spacing

Spring months were uncharacteristically dry and greatly reduced final yields.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	11.7	8.5	43	36	553	247
April	1.8	2.9	59	54	330	216
May	0.5	4.2	71	64	591	417
June	2.9	4.7	76	73	684	643
July	0.6	3.9	83	78	809	761
August	1.6	3.7	74	76	637	732
Sep.-Oct.	0.6	4.7	66	68	492	528
Totals:	19.7	32.6	58	53	4,097	3,545



North Central Experiment Field, Belleville; Randall Nelson, agronomist; Michael Larson and Doug Stensaas, technicians

Crete silt loam; Soybean in 2011

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

Planted on 5/8/2012; Harvested on 10/24/2012

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

Warm, relatively normal precipitation during spring months. Abnormally hot and dry in the summer.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	3.6	6.0	41	34	530	235
April	2.9	2.1	58	52	283	204
May	0.2	3.5	70	63	561	393
June	3.2	4.3	77	73	672	635
July	2.2	3.2	82	78	785	755
August	2.4	3.1	73	77	619	731
Sep.-Oct.	2.0	4.2	61	65	766	515
Totals:	16.4	26.5	56	52	4,217	3,468

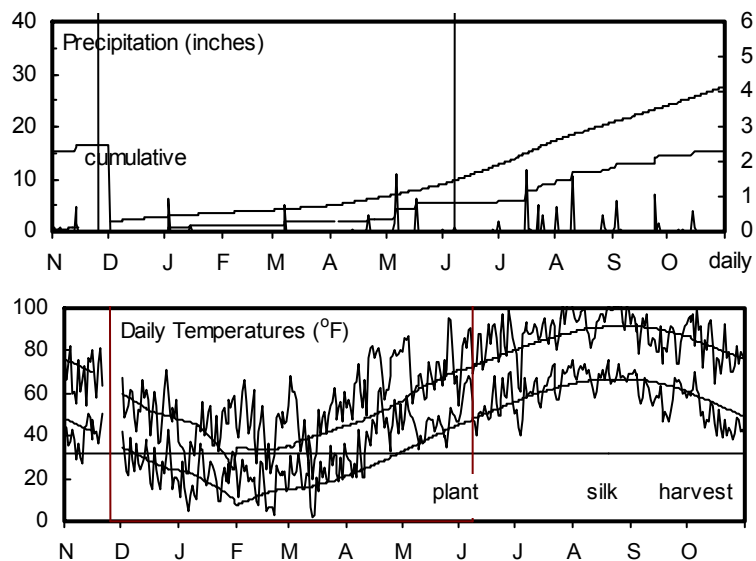


TABLE 2. NORTHEAST KANSAS DRYLAND CORN PERFORMANCE TEST, 2012

BRAND	NAME	MANHATTAN, Riley County					SEVERANCE, Doniphan County					BELLEVILLE, Republic County							
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
AGRIGOLD	A6458VT3	--	--	--	--	--	116	98	55	17	89	29	--	--	--	--	--	--	
AGRIGOLD	A6486VT3Pro	154	109	56	16	70	126	107	55	18	88	26	--	--	--	--	--	--	
AGRIGOLD	A6517VT3Pro	151	107	56	16	71	149	126	54	19	89	28	122	102	59	15	68	25	
AGRIGOLD	A6533VT3	160	113	57	15	71	123	104	56	17	89	30	137	115	59	15	69	25	
AGRIGOLD	A6553VT3	160	113	56	16	70	--	--	--	--	--	--	175	148	59	16	69	25	
AGRIGOLD	A6573VT3Pro	--	--	--	--	--	--	--	--	--	--	--	109	92	59	16	71	27	
DEKALB	DKC60-62	--	--	--	--	--	--	--	--	--	--	--	132	111	59	15	66	23	
DEKALB	DKC61-88	--	--	--	--	--	--	--	--	--	--	--	101	85	59	16	72	25	
DEKALB	DKC62-97	--	--	--	--	--	--	--	--	--	--	--	148	125	59	16	68	24	
DEKALB	DKC63-87	--	--	--	--	--	--	--	--	--	--	--	84	70	59	15	67	24	
DEKALB	DKC64-69	--	--	--	--	--	--	--	--	--	--	--	159	134	60	15	68	25	
G2 GENETICS	3D-811	131	93	59	17	71	130	110	57	20	88	27	56	47	60	15	70	26	
G2 GENETICS	3F-515	129	92	58	19	73	110	93	57	20	89	31	74	62	60	16	71	26	
G2 GENETICS	5H-1005	141	100	58	17	72	126	107	57	18	88	30	109	92	59	16	70	25	
G2 GENETICS	5H-716	122	86	60	18	73	98	83	56	23	87	29	131	110	60	16	72	26	
G2 GENETICS	5X-214	120	85	58	19	70	116	98	55	21	87	27	151	127	60	16	69	25	
G2 GENETICS	5X-411	110	78	59	16	70	113	95	57	19	88	26	137	115	59	16	69	25	
G2 GENETICS	5X-915	128	91	61	17	70	122	103	58	20	89	23	124	104	59	16	70	22	
G2 GENETICS	5Z-1204	139	98	59	16	71	126	106	58	19	88	31	133	112	60	15	69	26	
GARST	82K01-3111 Brand	--	--	--	--	--	--	--	--	--	--	--	121	102	59	16	70	25	
GARST	83G41-3000GT	--	--	--	--	--	--	--	--	--	--	--	111	94	58	16	70	24	
GARST	83R38-3000GT Brand	--	--	--	--	--	--	--	--	--	--	--	97	82	59	16	69	25	
GARST	84U58-3111 Brand	--	--	--	--	--	--	--	--	--	--	--	103	87	59	15	68	23	
GARST	86H30-3111	--	--	--	--	--	--	--	--	--	--	--	65	55	58	17	70	24	
GOLDEN ACRES	28V81	136	96	57	19	71	110	93	54	21	89	28	--	--	--	--	--	--	
GOLDEN ACRES	G4588	--	--	--	--	--	--	--	--	--	--	--	150	126	59	15	69	25	
GOLDEN ACRES	G4598	151	107	57	17	72	130	110	57	18	88	34	--	--	--	--	--	--	
GOLDEN ACRES	G5531	161	114	59	16	70	131	111	58	18	87	26	121	102	60	16	65	24	
KRUGER	K-7312	--	--	--	--	--	--	--	--	--	--	--	122	103	59	15	70	25	
KRUGER	K-7315	--	--	--	--	--	--	--	--	--	--	--	113	95	59	17	72	25	
KRUGER	K-7615	--	--	--	--	--	--	--	--	--	--	--	136	115	59	16	68	25	
KRUGER	K-7810	--	--	--	--	--	--	--	--	--	--	--	124	104	60	14	64	23	
KRUGER	K-7911	--	--	--	--	--	--	--	--	--	--	--	123	103	59	15	68	24	
LG SEEDS	LG2555VT3	162	114	57	17	71	25	--	--	--	--	--	--	--	--	--	--	--	
LG SEEDS	LG2602VT3Pro	151	107	56	17	70	23	--	--	--	--	--	--	--	--	--	--	--	
LG SEEDS	LG2620VT3	--	--	--	--	--	--	114	97	55	17	88	31	124	105	60	15	69	25
LG SEEDS	LG2636VT3Pro	--	--	--	--	--	--	135	114	53	19	89	29	157	132	60	15	69	24
LG SEEDS	LG2641VT3	166	117	55	16	69	24	--	--	--	--	--	--	--	--	--	--	--	
LG SEEDS	LG5630VT3Pro	--	--	--	--	--	--	142	120	53	19	89	27	69	58	59	16	71	25
MAT CHK	EARLY (DEKALB)	144	102	55	12	68	23	103	87	55	13	88	29	104	88	59	15	68	24
MAT CHK	FULL (DEKALB)	148	105	59	17	72	23	130	110	55	20	87	28	112	94	59	17	70	25
MAT CHK	MID (DEKALB)	154	109	56	15	69	23	110	93	55	15	88	29	89	75	60	16	69	24
MIDLAND	143BLGW	--	--	--	--	--	--	--	--	--	--	--	130	109	60	15	67	25	
MIDLAND	361PRW	140	99	60	14	69	23	101	85	58	16	88	30	123	104	60	15	70	25
MIDLAND	417PRW	127	90	55	17	71	21	--	--	--	--	--	59	50	59	15	69	27	
MIDLAND	481PRW	139	98	58	17	71	24	--	--	--	--	--	153	129	60	15	67	28	
MIDLAND	523BLGW	140	99	58	15	71	24	117	99	57	17	88	34	147	124	60	15	67	24
MIDLAND	552PRW	125	89	57	16	68	21	109	93	57	17	89	30	144	121	60	15	68	24
MIDLAND	571BLG	--	--	--	--	--	--	--	--	--	--	--	131	110	59	15	68	26	
MIDLAND	573PRW	150	106	60	17	69	20	131	111	58	18	88	28	140	118	59	15	67	25
MIDLAND	622PRW	145	103	57	15	70	22	107	91	57	18	87	28	142	119	60	16	69	24
MIDLAND	653PRW	147	104	56	19	71	21	130	110	56	17	88	26	74	63	59	16	70	25
MIDLAND	670PRW	--	--	--	--	--	--	103	87	56	19	90	31	134	113	59	16	70	25
MIDLAND	779PRW	--	--	--	--	--	--	93	79	57	13	89	29	--	--	--	--	--	--
MIDLAND	7A28PRW	134	95	55	18	72	23	118	100	52	22	89	30	161	136	59	15	69	25
NUTECH	5B-410	137	97	57	14	70	28	87	74	56	16	90	33	107	91	59	17	71	27
NUTECH	5N-910	125	88	57	15	73	26	97	82	56	15	88	34	109	92	59	15	68	26
NUTECH	5V-514	145	102	58	18	71	22	125	106	55	19	88	28	157	132	59	16	70	26
PHILLIPS	709VT3	156	110	55	16	69	25	--	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	PSF071	136	96	57	15	70	23	--	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	PSF082	--	--	--	--	--	--	--	--	--	--	--	169	143	60	16	69	24	
PHILLIPS	PSF111	127	90	57	16	71	22	--	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	PSF112	--	--	--	--	--	--	--	--	--	--	--	103	87	59	16	69	25	
PHILLIPS	PSF122	--	--	--	--	--	--	--	--	--	--	--	84	70	60	16	69	25	
PHILLIPS	PSF141	--	--	--	--	--	--	--	--	--	--	--	153	129	60	15	66	24	
PRODUCERS	5904VT3Pro	--	--	--	--	--	--	--	--	--	--	--	134	113	59	15	67	26	
PRODUCERS	6424VT3Pro	--	--	--	--	--	--	--	--	--	--	--	129	108	60	15	70	25	
PRODUCERS	6624VT3Pro	--	--	--	--	--	--	--	--	--	--	--	114	96	59	15	68	24	
PRODUCERS	6884VT3Pro	--	--	--	--	--	--	--	--	--	--	--	108	91	60	15	69	25	
PRODUCERS	7014VT3	--	--	--	--	--	--	--	--	--	--	--	120	101	59	15	69	24	
PRODUCERS	7224VT3Pro	--	--	--	--	--	--	128	108	54	19	89	27	65	55	59	17	71	25
PRODUCERS	7414VT3	--	--	--	--	--	--	133	113	54	18	89	32	108	91	59	15	67	26
PRODUCERS	7574VT3Pro	--	--	--	--	--	--	116	98	54	20	90	29	161	136	59	15	69	25
PRODUCERS	XP5894VT3Pro	--	--	--	--	--	--	--	--	--	--	--	103	87	60	15	66	25	

TABLE 2 continued. NORTHEAST KANSAS DRYLAND CORN PERFORMANCE TEST, 2012

BRAND	NAME	MANHATTAN, Riley County						SEVERANCE, Doniphan County						BELLEVILLE, Republic County					
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
PRODUCERS	XP6104VT3Pro	--	--	--	--	--	--	--	--	--	--	--	94	79	59	15	67	25	
TRIUMPH	1157X	141	99	55	14	70	24	--	--	--	--	--	110	93	58	16	69	21	
TRIUMPH	1329H	<b>146</b>	103	55	17	71	25	--	--	--	--	--	50	42	59	17	71	20	
TRIUMPH	1334X	136	96	55	17	71	23	--	--	--	--	--	--	--	--	--	--	--	
TRIUMPH	7514S	--	--	--	--	--	--	--	--	--	--	--	111	94	59	16	69	22	
	AVERAGE	141	141	57	16	71	23	118	118	56	18	88	29	119	119	59	16	69	25
	CV (%)	10	10	1	9	1	3	16	16	2	6	2	3	14	14	1	7	4	7
	LSD (0.05)	20	14	1	2	1	1	26	22	1	2	2	1	28	23	1	2	4	3

Onaga, Pottawatomie County abandoned; extreme drought conditions and weed control failure.

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.



# NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TESTS

Ashland Bottoms Research Center, Manhattan; Jane Lingenfelter, agronomist; Edward Quigley, technician

Sandy loam; Soybean in 2011

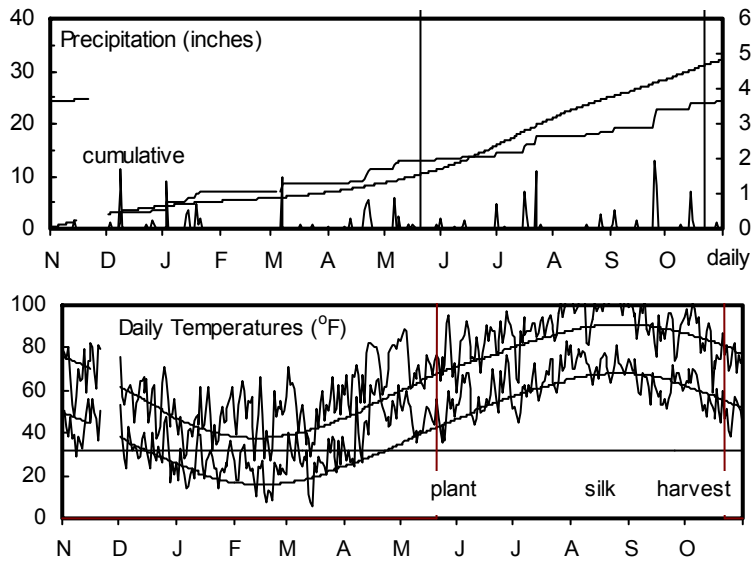
200 - 0 - 0 lb/a N, P, K

Planted on 4/20/2012; Harvested on 9/20/2012

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

Very hot temperatures in summer months affected pollination and grain fill.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	12.5	7.4	45	37	591	273
April	1.7	2.4	60	53	333	222
May	0.4	4.2	71	64	596	412
June	3.3	4.8	78	73	696	640
July	0.6	3.7	86	79	840	770
August	4.2	3.2	76	78	678	750
Sep.-Oct.	2.1	5.1	63	66	718	563
Totals:	24.7	30.9	59	54	4,451	3,628



Kansas River Valley Experiment Field, Topeka; Eric Adee, agronomist; Charles Clark and William Riley, technicians

Eudora silt loam; Corn in 2011

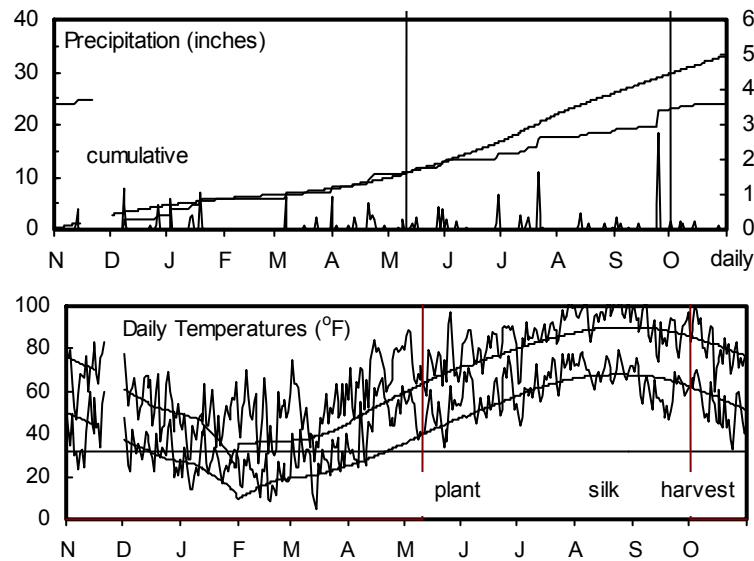
172 - 112 - 120 lb/a N, P, K

Planted on 4/11/2012; Harvested on 8/30/2012

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

Good establishment and start to the growing season; hot and dry during summer months.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	11.4	8.4	45	37	571	268
April	2.1	2.8	61	54	345	221
May	1.5	3.7	71	64	598	414
June	3.0	4.8	77	73	710	652
July	1.0	3.8	84	78	815	774
August	4.3	3.5	74	77	638	751
Sep.-Oct.	1.7	4.6	62	66	713	547
Totals:	24.9	31.6	59	54	4,391	3,627



Irrigation Experiment Field, Scandia; Randall Nelson, agronomist; Michael Larson and Doug Stensaaas, technicians

Crete silt loam; Soybean in 2011

200 - 20 - 0 lb/a N, P, K

Planted on 5/4/2012; Harvested on 10/29/2012

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

Warm, relatively normal precipitation during spring months. Abnormally hot and dry in the summer.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	3.6	6.0	41	34	512	235
April	2.9	2.1	58	52	283	204
May	0.2	3.5	70	63	561	393
June	3.2	4.3	77	73	672	635
July	2.2	3.2	82	78	785	755
August	2.4	3.1	73	77	619	731
Sep.-Oct.	2.0	4.2	61	65	604	515
Totals:	16.4	26.5	56	52	4,037	3,468

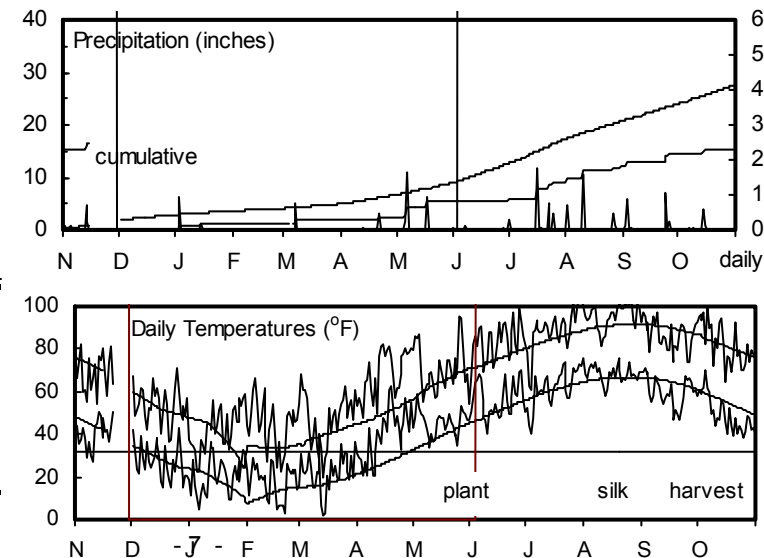


TABLE 3. NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN PERFORMANCE TEST, 2012

BRAND	NAME	MANHATTAN, Riley County					SCANDIA, Republic County					TOPEKA, Shawnee County							
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
AGRIGOLD	A6517VT3Pro	110	101	57	18	74	28	228	105	59	14	66	36	--	--	--	--	--	--
AGRIGOLD	A6533VT3	151	139	58	15	82	31	220	101	60	14	62	35	--	--	--	--	--	--
AGRIGOLD	A6553VT3	92	85	57	17	83	33	226	104	59	14	62	36	--	--	--	--	--	--
AGRIGOLD	A6573VT3Pro	119	109	56	16	82	29	200	92	60	14	64	34	--	--	--	--	--	--
DEKALB	DKC61-88	--	--	--	--	--	--	224	103	60	14	24	36	--	--	--	--	--	--
DEKALB	DKC62-09	--	--	--	--	--	--	239	110	59	14	62	35	--	--	--	--	--	--
DEKALB	DKC62-97	--	--	--	--	--	--	212	98	58	14	62	35	--	--	--	--	--	--
DEKALB	DKC63-87	--	--	--	--	--	--	205	95	60	14	63	34	--	--	--	--	--	--
DEKALB	DKC64-69	--	--	--	--	--	--	195	90	60	14	62	37	--	--	--	--	--	--
G2 GENETICS	3D-811	89	82	58	16	80	29	207	95	60	14	63	35	196	93	57	16	68	30
G2 GENETICS	3F-515	121	112	57	17	75	32	207	95	59	14	64	34	219	103	57	17	71	30
G2 GENETICS	5H-1005	99	91	57	15	72	32	220	101	59	14	63	33	221	105	57	16	69	29
G2 GENETICS	5H-117	86	79	58	19	83	28	222	102	60	14	67	35	197	93	57	17	70	27
G2 GENETICS	5H-716	75	69	59	16	75	31	231	106	59	14	63	35	186	88	58	16	72	30
G2 GENETICS	5X-214	100	92	56	18	72	29	217	100	60	14	61	33	171	81	56	18	67	29
G2 GENETICS	5X-411	80	74	59	16	79	27	183	84	59	14	66	35	183	86	57	15	67	28
G2 GENETICS	5X-915	82	76	59	16	74	27	213	98	60	14	64	34	182	86	58	15	70	27
G2 GENETICS	5Z-1204	114	105	59	16	81	30	218	100	61	14	63	36	205	97	58	16	69	29
GARST	82K01-3111 Brand	--	--	--	--	--	--	215	99	60	14	67	34	--	--	--	--	--	--
GARST	83G41-3000GT	--	--	--	--	--	--	211	97	60	14	64	36	--	--	--	--	--	--
GARST	83P07-3111	--	--	--	--	--	--	199	92	61	14	64	35	--	--	--	--	--	--
GARST	83R38-3000GT Brand	--	--	--	--	--	--	217	100	60	14	64	35	--	--	--	--	--	--
GARST	84N18-3111	--	--	--	--	--	--	238	109	59	14	63	35	--	--	--	--	--	--
HOEGEMEYER	7876	--	--	--	--	--	--	216	99	59	14	64	35	--	--	--	--	--	--
HOEGEMEYER	8122	122	113	58	16	73	31	231	106	59	14	63	37	--	--	--	--	--	--
HOEGEMEYER	8389	137	126	56	17	73	31	226	104	59	14	63	38	--	--	--	--	--	--
KRUGER	K-4714	--	--	--	--	--	--	207	95	60	14	63	37	--	--	--	--	--	--
KRUGER	K-7312	--	--	--	--	--	--	209	96	58	14	61	36	--	--	--	--	--	--
KRUGER	K-7615	--	--	--	--	--	--	246	113	60	14	61	35	--	--	--	--	--	--
KRUGER	K-7810	--	--	--	--	--	--	239	110	59	14	62	35	--	--	--	--	--	--
KRUGER	K-7911	--	--	--	--	--	--	218	100	59	14	63	34	--	--	--	--	--	--
LG SEEDS	LG2602VT3Pro	--	--	--	--	--	--	232	107	59	14	66	34	218	103	55	16	67	29
LG SEEDS	LG2620VT3	126	116	59	15	81	31	226	104	59	14	64	34	224	106	56	16	67	30
LG SEEDS	LG2636VT3Pro	77	71	56	16	81	32	--	--	--	--	--	224	106	55	15	67	30	
LG SEEDS	LG5630VT3Pro	89	82	56	17	81	28	215	99	59	14	63	35	--	--	--	--	--	--
MASTERS CHOICE	MC-534	--	--	--	--	--	--	212	98	60	14	61	34	--	--	--	--	--	--
MASTERS CHOICE	MC-6020	--	--	--	--	--	--	189	87	61	14	60	33	--	--	--	--	--	--
MASTERS CHOICE	MC-630	--	--	--	--	--	--	--	--	--	--	--	199	94	58	16	71	29	
MASTERS CHOICE	MCT-6323	--	--	--	--	--	--	--	--	--	--	--	210	99	56	16	67	31	
MAT CHK	EARLY (DEKALB)	119	110	55	13	70	30	204	94	58	14	63	39	197	93	55	14	68	29
MAT CHK	FULL (DEKALB)	71	66	59	17	100	32	209	96	61	14	62	34	232	110	57	16	68	29
MAT CHK	MID (DEKALB)	149	137	56	14	78	32	180	83	60	14	66	34	221	105	55	16	68	30
MIDLAND	361PRW	80	74	60	16	81	33	218	100	59	14	63	35	187	88	58	14	68	29
MIDLAND	523BLGW	106	98	59	15	73	33	211	97	61	14	63	36	206	97	56	15	69	29
MIDLAND	552PRW	116	107	58	16	68	30	193	89	59	14	63	35	203	96	58	15	66	29
MIDLAND	571BLG	--	--	--	--	--	--	212	98	59	14	61	33	--	--	--	--	--	--
MIDLAND	573PRW	118	109	58	17	70	27	238	109	60	14	60	34	230	109	59	17	66	28
MIDLAND	622PRW	157	145	58	15	80	27	216	99	59	14	61	35	224	106	57	16	68	27
MIDLAND	653PRW	184	169	57	17	70	28	237	109	59	14	64	35	243	115	57	16	67	30
MIDLAND	670PRW	124	114	57	17	83	30	220	101	60	14	66	36	223	105	56	16	66	28
MIDLAND	779PRW	77	71	59	17	79	31	200	92	60	14	62	36	222	105	57	16	67	29
MIDLAND	7A28PRW	95	87	57	18	83	29	222	102	59	14	65	35	213	101	54	17	70	29
NUTECH	5B-410	107	99	59	15	81	33	226	104	59	14	63	37	218	103	56	14	69	30
NUTECH	5N-910	61	56	58	15	82	35	231	106	60	14	66	39	207	98	57	15	68	29
PHILLIPS	795VT3	115	106	57	16	69	32	--	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	PSF112	131	121	56	14	79	31	214	99	59	14	64	35	243	115	56	16	66	30
PHILLIPS	PSF121	75	69	58	16	74	34	219	101	59	14	66	36	213	101	58	15	67	30
PHILLIPS	PSF122	127	117	58	16	81	29	212	98	59	14	61	35	228	108	57	15	66	30
PHILLIPS	PSF141	132	121	59	16	69	29	226	104	60	14	64	31	256	121	58	17	66	28
PRODUCERS	6884VT3Pro	--	--	--	--	--	--	227	104	59	14	62	34	213	101	57	14	67	28
PRODUCERS	7014VT3	--	--	--	--	--	--	221	102	59	14	65	37	210	99	54	14	67	29
PRODUCERS	7224VT3Pro	--	--	--	--	--	--	216	99	59	14	64	34	223	105	54	16	69	29
PRODUCERS	7394VT3	--	--	--	--	--	--	242	111	59	14	67	35	224	106	55	16	67	30
PRODUCERS	7414VT3	--	--	--	--	--	--	237	109	60	14	64	37	222	105	54	17	67	30
PRODUCERS	7574VT3Pro	--	--	--	--	--	--	231	106	59	14	64	37	228	108	56	16	67	29
TRIUMPH	1157X	146	134	54	14	72	34	--	--	--	--	--	--	--	--	--	--	--	--
TRIUMPH	1217S	--	--	--	--	--	--	208	96	59	14	62	35	--	--	--	--	--	--
TRIUMPH	1329H	127	117	55	17	73	33	210	96	59	14	66	34	--	--	--	--	--	--
	AVERAGE	109	109	57	16	78	30	217	217	59	14	63	35	212	212	56	16	68	29
	CV (%)	13	13	2	6	5	2	8	8	2	2	13	6	9	9	1	6	1	2
	LSD (0.05)	22	21	2	1	7	1	29	13	2	0	14	3	27	13	1	1	1	1

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.

# EAST/CENTRAL KANSAS DRYLAND CORN TESTS

East Central Kansas Experiment Field, Ottawa; Eric Adee, agronomist; Jim Kimball, technician

Woodson silt loam; Soybean in 2011

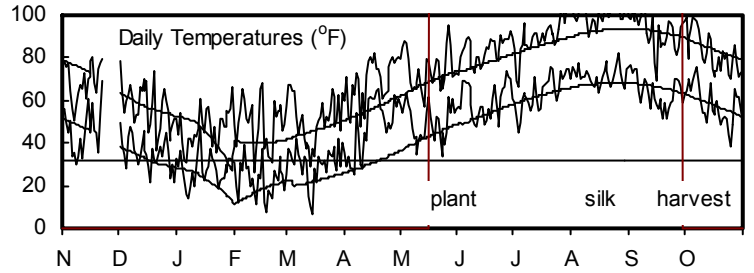
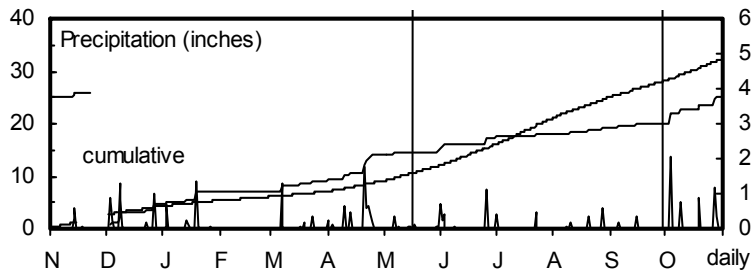
120 - 40 - 13 lb/a N, P, K

Planted on 4/16/2012; Harvested on 8/28/2012

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

Good emergence, good early season growth and weed control. Extremely hot and dry during summer months caused poor conditions for pollination and grain fill.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	15.4	7.7	46	39	600	319
April	0.7	2.7	61	56	368	260
May	1.6	3.9	72	65	616	449
June	0.5	4.6	78	74	700	667
July	1.2	3.7	86	80	835	778
August	0.6	3.0	78	79	699	756
Sep.-Oct.	6.1	5.1	65	68	793	591
Totals:	26.0	30.8	60	56	4,611	3,820



Private farm, Erie; Kelly Kusel, research technician

Lanton silt loam; Soybean in 2011

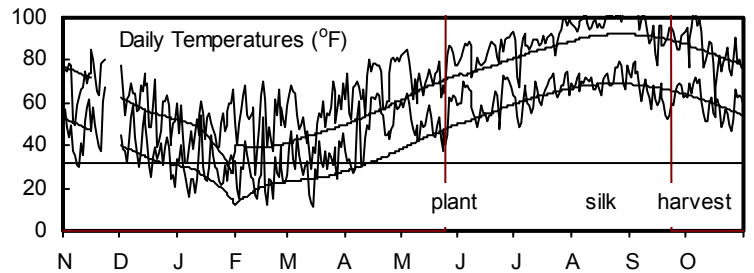
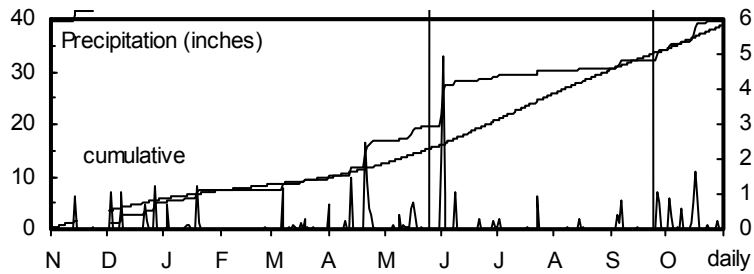
175 - 25 - 25 lb/a N, P, K

Planted on 4/25/2012; Harvested on 8/22/2012

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

Good moisture at planting contributed to good stands. Fast growth and drydown due to the weather.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	24.9	10.6	48	40	608	315
April	2.7	3.3	62	56	381	254
May	2.6	4.6	72	66	631	461
June	1.1	4.6	77	74	698	681
July	0.4	4.3	85	80	825	791
August	3.2	3.7	79	79	728	763
Sep.-Oct.	6.8	5.9	66	68	851	575
Totals:	41.6	36.9	62	56	4,722	3,840



Private farm northwest of Topeka; Eric Adee, agronomist; Charles Clark and William Riley, technicians

Silty clay loam; Soybean in 2011

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

Planted on 4/20/2012; Harvested on 8/30/2012

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

Very good stand establishment. Warmer than normal in the spring changed to hot and dry during the summer.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	11.4	8.4	45	37	571	268
April	2.1	2.8	61	54	345	221
May	1.5	3.7	71	64	598	414
June	3.0	4.8	77	73	710	652
July	1.0	3.8	84	78	815	774
August	4.3	3.5	74	77	638	751
Sep.-Oct.	1.7	4.6	62	66	713	547
Totals:	24.9	31.6	59	54	4,391	3,627

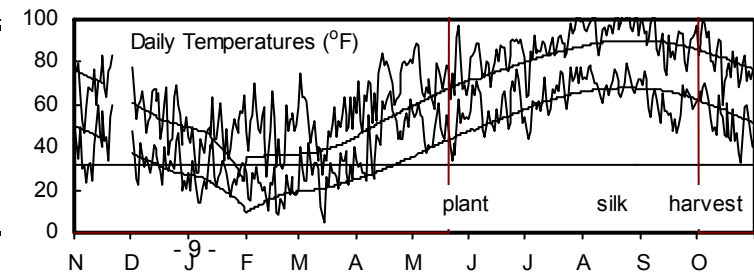
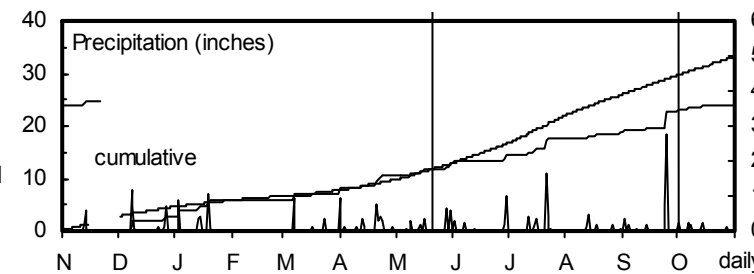


TABLE 4. EAST/CENTRAL KANSAS DRYLAND CORN PERFORMANCE TEST, 2012

BRAND	NAME	OTTAWA, Franklin County						ERIE, Neosho County						TOPEKA, Shawnee County					
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
G2 GENETICS	3D-811	7	49	52	18	74	24	148	102	54	15	58	26	66	95	52	13	66	25
G2 GENETICS	3F-515	9	62	54	16	74	23	<b>156</b>	107	54	15	61	27	45	65	52	13	68	25
G2 GENETICS	5H-0504	--	--	--	--	--	--	<b>155</b>	106	56	13	57	27	--	--	--	--	--	--
G2 GENETICS	5H-0603	--	--	--	--	--	--	<b>156</b>	107	55	13	57	25	--	--	--	--	--	--
G2 GENETICS	5H-1005	6	42	53	15	71	24	135	93	56	12	59	26	66	95	52	13	67	27
G2 GENETICS	5H-309	--	--	--	--	--	--	141	97	55	13	59	25	--	--	--	--	--	--
G2 GENETICS	5H-399	--	--	--	--	--	--	136	94	56	12	57	27	--	--	--	--	--	--
G2 GENETICS	5H-716	6	37	53	15	78	24	139	95	54	15	62	28	24	35	51	12	68	25
G2 GENETICS	5H-806	--	--	--	--	--	--	145	100	57	12	59	25	--	--	--	--	--	--
G2 GENETICS	5H-905	--	--	--	--	--	--	<b>152</b>	105	56	13	56	25	--	--	--	--	--	--
G2 GENETICS	5X-0004	--	--	--	--	--	--	126	87	56	12	55	24	--	--	--	--	--	--
G2 GENETICS	5X-214	12	78	54	17	70	23	136	93	53	17	60	26	64	92	50	13	66	25
G2 GENETICS	5X-411	14	91	53	13	69	22	134	92	55	14	59	26	59	86	52	12	66	24
G2 GENETICS	5X-915	7	46	53	15	75	20	146	100	54	15	61	25	57	82	52	13	68	24
G2 GENETICS	5Z-008	--	--	--	--	--	--	<b>151</b>	104	56	12	58	26	--	--	--	--	--	--
G2 GENETICS	5Z-1204	9	60	53	15	73	24	<b>151</b>	104	54	15	60	26	67	97	53	13	65	25
G2 GENETICS	5Z-407	--	--	--	--	--	--	140	96	56	12	57	26	--	--	--	--	--	--
GOLDEN ACRES	G4588	19	122	53	15	67	24	147	101	56	12	56	26	<b>88</b>	126	52	13	64	25
GOLDEN ACRES	G5531	20	131	53	13	67	23	<b>161</b>	111	55	14	57	27	64	92	53	13	62	26
MAT CHK	EARLY (DEKALB)	<b>31</b>	202	49	12	67	21	<b>150</b>	103	57	11	58	25	83	119	51	12	63	25
MAT CHK	FULL (DEKALB)	5	35	53	16	72	24	<b>155</b>	107	55	14	59	27	58	83	50	12	66	26
MAT CHK	MID (DEKALB)	11	72	53	15	70	24	<b>150</b>	103	55	14	59	26	73	105	49	12	65	26
MIDLAND	417PRW	14	90	53	15	68	25	--	--	--	--	--	79	114	51	12	66	25	
MIDLAND	481PRW	<b>29</b>	191	54	13	68	24	<b>154</b>	106	56	13	56	27	<b>98</b>	142	53	12	63	27
MIDLAND	523BLGW	19	128	53	15	69	24	137	94	56	13	60	27	83	120	51	12	66	26
MIDLAND	552PRW	11	72	53	13	68	23	<b>157</b>	108	56	12	56	26	81	117	53	13	64	26
MIDLAND	573PRW	23	148	55	13	67	24	<b>157</b>	108	56	13	58	25	75	108	53	12	62	26
MIDLAND	622PRW	--	--	--	--	--	--	<b>160</b>	110	56	13	59	28	73	105	51	12	66	25
MIDLAND	653PRW	--	--	--	--	--	--	<b>161</b>	111	55	14	57	27	77	111	51	12	65	26
MIDLAND	670PRW	--	--	--	--	--	--	--	--	--	--	--	75	108	52	12	64	26	
MIDLAND	7A28PRW	--	--	--	--	--	--	145	99	55	14	61	27	54	78	51	13	68	25
MYCOGEN	2A787	22	146	52	15	67	24	<b>151</b>	104	55	14	57	28	--	--	--	--	--	--
MYCOGEN	2V707	16	104	54	13	70	25	<b>152</b>	105	55	13	59	29	--	--	--	--	--	--
MYCOGEN	2V715	<b>31</b>	206	51	13	69	24	<b>150</b>	103	56	13	59	27	--	--	--	--	--	--
MYCOGEN	X12767	21	137	51	13	68	22	140	96	56	12	59	25	--	--	--	--	--	--
NUTECH	5B-410	9	58	53	13	70	25	129	89	57	12	59	27	71	102	51	12	66	27
NUTECH	5N-517	9	60	53	15	69	24	--	--	--	--	--	73	105	51	13	66	25	
NUTECH	5N-910	11	74	53	13	69	26	130	90	57	12	58	27	68	98	52	13	66	27
PHILLIPS	PSF082	14	94	53	14	68	24	--	--	--	--	--	<b>89</b>	129	51	12	62	27	
PHILLIPS	PSF112	25	161	51	13	67	24	--	--	--	--	--	75	108	50	12	64	25	
PHILLIPS	PSF122	9	62	52	13	68	23	--	--	--	--	--	75	108	52	13	63	25	
PRODUCERS	6424VT3Pro	--	--	--	--	--	--	<b>155</b>	106	56	12	59	25	--	--	--	--	--	--
PRODUCERS	6624VT3Pro	--	--	--	--	--	--	<b>163</b>	112	56	12	56	27	--	--	--	--	--	--
PRODUCERS	6884VT3Pro	--	--	--	--	--	--	145	99	57	11	56	27	--	--	--	--	--	--
PRODUCERS	7014VT3	--	--	--	--	--	--	<b>163</b>	112	55	14	58	28	--	--	--	--	--	--
PRODUCERS	7224VT3Pro	--	--	--	--	--	--	<b>150</b>	103	55	13	59	27	--	--	--	--	--	--
PRODUCERS	7394VT3	--	--	--	--	--	--	<b>164</b>	112	56	13	58	27	--	--	--	--	--	--
	AVERAGE	15	15	53	14	70	24	145	145	55	13	58	26	69	69	51	12	65	25
	CV (%)	14	14	1	1	3	2	7	7	1	7	1	6	13	13	1	3	1	6
	LSD (0.05)	3	22	1	0	3	1	14	10	1	1	1	2	13	18	1	0	1	2

Assaria, Saline County, Strong City, Chase County abandoned; extreme drought conditions.

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.

## SHORT-SEASON DRYLAND CORN TESTS

East Central Kansas Experiment Field, Ottawa; Eric Adee, agronomist; Jim Kimball, technician

Woodson silt loam; Soybean in 2011

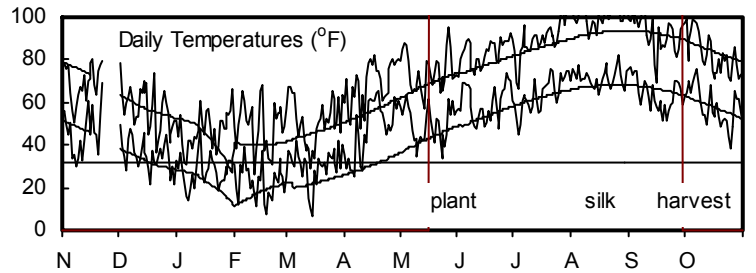
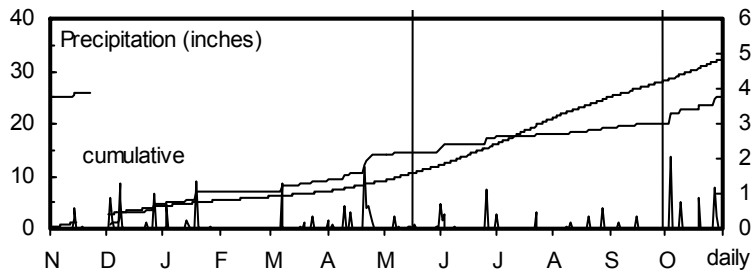
120 - 40 - 13 lb/a N, P, K

Planted on 4/16/2012; Harvested on 8/28/2012

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

Good emergence, good early season growth and weed control. Extreme heat and drought during June and July caused poor conditions for pollination and grain fill.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	15.4	7.7	46	39	600	319
April	0.7	2.7	61	56	368	260
May	1.6	3.9	72	65	616	449
June	0.5	4.6	78	74	700	667
July	1.2	3.7	86	80	835	778
August	0.6	3.0	78	79	699	756
Sep.-Oct.	6.1	5.1	65	68	793	591
Totals:	26.0	30.8	60	56	4,611	3,820



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

Parsons silt loam; Soybean in 2011

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

Planted on 4/4/2012; Harvested on 8/1/2012

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

Excellent stand establishment. Very hot and dry: 1 rainfall event of more than 1" in June. Plants were dead by 3rd week of July.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	11.0	11.9	47	42	586	348
April	1.7	3.4	61	57	363	265
May	2.1	4.6	71	65	608	448
June	1.4	4.5	77	74	689	665
July	0.7	3.3	85	80	834	780
August	3.3	3.6	79	79	733	765
Sep.-Oct.	3.3	6.2	60	68	620	608
Totals:	23.5	37.5	60	57	4,432	3,878

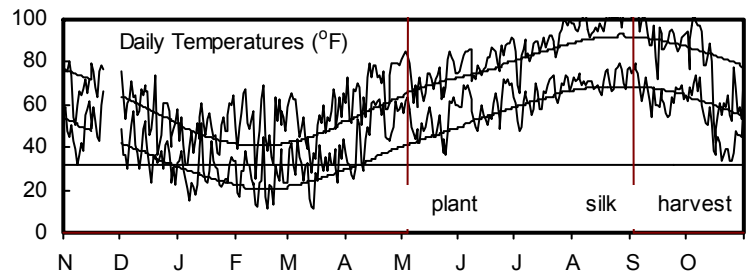
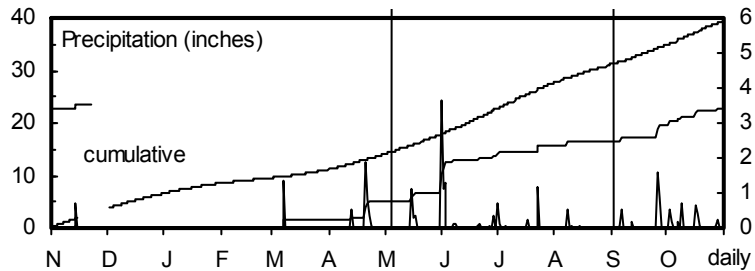


TABLE 5. KANSAS SHORT-SEASON DRYLAND CORN PERFORMANCE TEST, 2012

BRAND	NAME	OTTAWA, Franklin County						PARSONS, Lette County							
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	PHT (in)	EHT (in)	1000 ppa
AGRIGOLD	A6225VT3	25	77	52	12	66	22	48	114	52	10	70	75	33	22
AGRIGOLD	A6309STXRIB	23	71	54	12	66	25	29	68	52	9	72	79	34	25
AGRIGOLD	A6319VT3Pro	33	99	50	12	65	18	56	131	51	11	68	80	33	22
AGRIGOLD	A6384VT3Pro	22	67	52	12	67	24	35	83	52	10	71	79	34	25
AGVENTURE	AV R6786	--	--	--	--	--	--	<b>66</b>	156	51	10	69	80	31	22
AGVENTURE	AV RL6311HB	--	--	--	--	--	--	54	127	51	11	69	79	35	21
AGVENTURE	AV RL6786HB	--	--	--	--	--	--	43	102	51	10	70	80	36	23
AGVENTURE	AV RL6991HB	--	--	--	--	--	--	45	105	49	13	72	82	37	24
DEKALB	DKC52-59	--	--	--	--	--	--	52	123	52	10	71	74	34	24
DEKALB	DKC52-61	--	--	--	--	--	--	56	132	52	10	71	76	33	23
G2 GENETICS	3F-515	<b>50</b>	152	51	11	66	22	--	--	--	--	--	--	--	--
G2 GENETICS	5H-0504	25	77	52	12	68	23	45	107	51	11	70	84	37	23
G2 GENETICS	5H-0603	33	101	52	12	65	24	<b>59</b>	140	51	11	69	83	32	23
G2 GENETICS	5H-399	36	111	51	12	66	24	50	119	52	10	68	78	34	25
G2 GENETICS	5H-716	<b>51</b>	154	51	12	66	22	--	--	--	--	--	--	--	--
G2 GENETICS	5H-905	28	86	51	12	65	23	56	132	51	10	70	78	35	22
G2 GENETICS	5X-0004	35	107	51	12	65	25	<b>61</b>	143	51	10	67	80	33	22
G2 GENETICS	5X-915	34	102	52	12	65	23	--	--	--	--	--	--	--	--
MAT CHK	EARLY (DEKALB)	<b>50</b>	152	50	12	66	24	42	98	52	10	71	76	33	23
MAT CHK	FULL (DEKALB)	28	84	51	12	71	24	34	81	48	15	72	81	33	24
MAT CHK	MID (DEKALB)	24	71	53	12	68	25	37	88	51	10	72	78	35	24
MIDLAND	143BLGW	27	83	52	12	68	23	45	107	52	10	70	87	35	24
MYCOGEN	2H566	32	98	53	12	67	25	45	106	52	10	71	76	34	22
MYCOGEN	2J567	24	73	53	12	66	25	35	82	51	11	72	79	34	25
MYCOGEN	2K594	31	95	52	12	67	25	43	101	51	10	71	77	35	24
MYCOGEN	2V676	<b>46</b>	140	51	12	66	25	34	79	50	12	73	80	35	25
PIONEER	35P10 YGCB,RR2	--	--	--	--	--	--	56	131	51	11	68	80	34	22
PRODUCERS	5904VT3Pro	--	--	--	--	--	--	44	104	52	10	69	82	32	24
PRODUCERS	6424VT3Pro	--	--	--	--	--	--	36	86	51	11	74	84	35	22
PRODUCERS	6624VT3Pro	--	--	--	--	--	--	26	62	49	13	74	80	30	23
PRODUCERS	6884VT3Pro	--	--	--	--	--	--	23	53	52	11	74	77	31	24
PRODUCERS	7014VT3	--	--	--	--	--	--	26	60	51	11	73	77	31	24
PRODUCERS	XP5894VT3Pro	--	--	--	--	--	--	56	131	52	10	69	81	30	23
PRODUCERS	XP6104VT3Pro	--	--	--	--	--	--	59	138	51	10	68	79	29	22
	AVERAGE	33	33	52	12	66	24	45	45	51	11	71	79	34	23
	CV (%)	10	10	2	3	1	1	12	12	1	9	1	5	5	6
	LSD (0.05)	5	16	2	1	1	5	7	17	1	1	1	5	2	2

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.

## SOUTH CENTRAL KANSAS IRRIGATED CORN TESTS

Norman Schmidt Farm, Inman; Norman Schmidt, cooperater; Jane Lingenfelter, agronomist; Edward Quigley, technician

Crete silt loam; Soybean in 2011

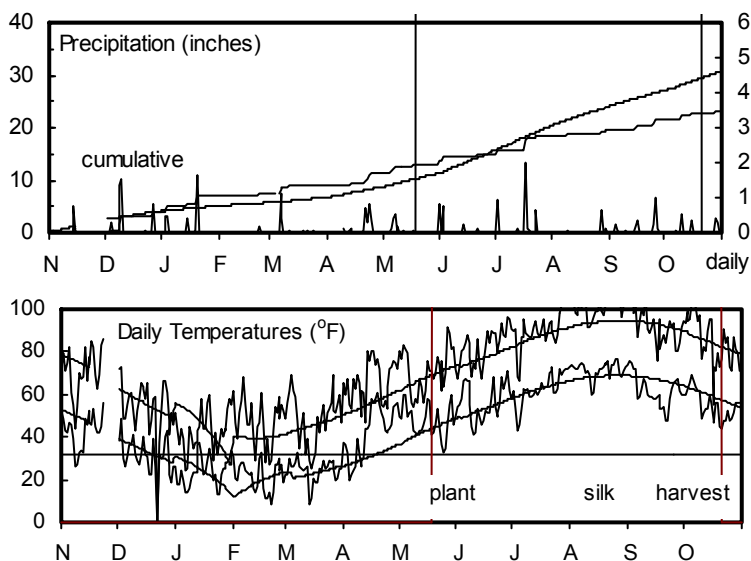
180 - 0 - 0 lb/a N, P, K

Planted on 4/18/2012; Harvested on 9/19/2012

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

Relentless heat and wind during summer months severely stressed the corn.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	13.3	7.5	43	39	514	317
April	1.3	2.4	58	56	305	253
May	1.2	4.1	70	65	559	445
June	2.9	4.4	77	75	671	677
July	0.8	3.4	86	81	834	787
August	2.3	2.9	76	80	670	767
Sep.-Oct.	2.5	4.7	64	68	514	607
Totals:	24.2	29.3	58	56	4,068	3,854



Redd Research Quarter, Hutchinson; Bill Heer, agronomist; Wendell Lilyhorn, technician

Punkin silt loam; Soybean in 2011

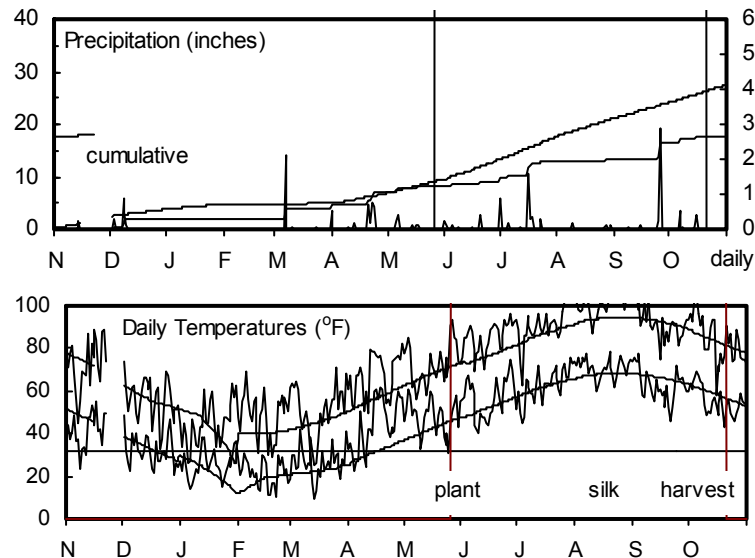
190 - 0 - 0 lb/a N, P, K

Planted on 4/26/2012; Harvested on 9/19/2012

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

Excessive heat during pollination limited grain fill and reduced yields.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	8.3	5.6	44	39	544	324
April	1.0	2.4	59	55	325	254
May	0.6	3.6	71	65	589	427
June	2.9	4.0	78	75	684	666
July	0.5	3.2	86	81	822	779
August	3.3	2.9	77	79	683	756
Sep.-Oct.	1.3	4.3	64	67	767	586
Totals:	18.0	26.1	59	56	4,414	3,792



Justin Vosburgh Farms, Macksville; Justin Vosburgh, cooperater; Jane Lingenfelter, agronomist; Edward Quigley, technician

Carwile fine sandy loam; Soybean in 2011

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

Planted on 4/24/2012; Harvested on 9/19/2012

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

Excellent stand establishment. Good irrigation management led to above-average yields.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	7.7	6.0	43	41	541	350
April	1.4	1.8	60	56	320	282
May	0.4	3.2	70	66	570	464
June	2.6	3.4	77	76	658	678
July	0.5	2.7	84	79	791	772
August	3.2	2.3	76	78	684	715
Sep.-Oct.	2.8	3.4	64	66	772	545
Totals:	18.6	22.9	58	57	4,336	3,806

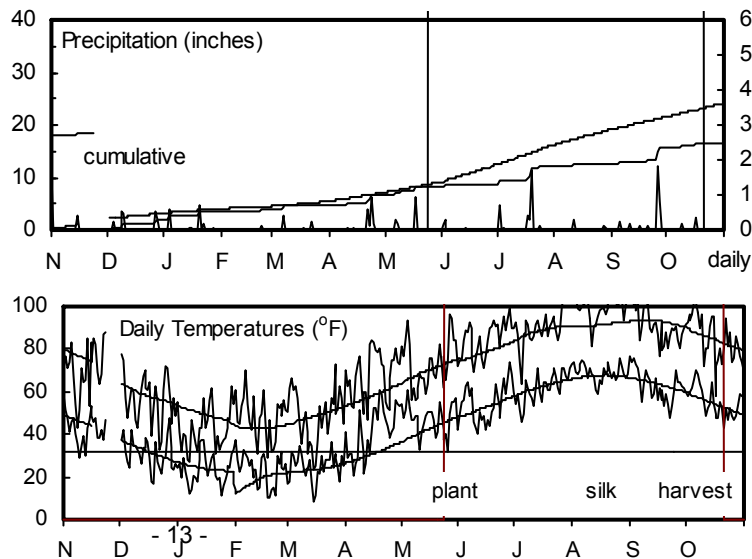




TABLE 6. SOUTH CENTRAL KANSAS IRRIGATED CORN PERFORMANCE TEST, 2012

BRAND	NAME	INMAN, McPherson County					HUTCHINSON, Reno County					MACKSVILLE, Stafford County				
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa
DEKALB	DKC62-09	--	--	--	--	--	--	--	--	--	<b>233</b>	102	60	14	31	
DEKALB	DKC62-97	--	--	--	--	--	--	--	--	--	225	98	61	16	29	
DEKALB	DKC64-69	--	--	--	--	--	--	--	--	--	<b>233</b>	102	62	16	29	
DEKALB	DKC66-86	--	--	--	--	--	--	--	--	--	<b>234</b>	102	60	16	29	
DEKALB	DKC66-97	--	--	--	--	--	--	--	--	--	<b>256</b>	112	62	17	31	
G2 GENETICS	3D-811	169	106	60	12	33	107	89	61	14	29	218	95	62	16	29
G2 GENETICS	3F-515	167	105	60	12	34	121	101	60	14	33	<b>256</b>	112	60	16	35
G2 GENETICS	5H-1005	<b>183</b>	115	59	11	33	108	90	60	13	34	230	101	61	16	34
G2 GENETICS	5H-117	138	87	60	13	30	113	94	60	15	30	230	100	60	17	28
G2 GENETICS	5H-716	147	92	61	12	35	106	88	59	13	31	224	98	62	16	34
G2 GENETICS	5X-214	139	87	59	12	31	98	82	60	14	28	205	90	60	17	28
G2 GENETICS	5X-411	137	86	60	11	28	95	79	60	13	29	185	81	61	15	26
G2 GENETICS	5X-915	148	93	61	12	29	91	76	61	14	24	207	90	62	16	26
G2 GENETICS	5Z-1204	168	105	61	12	34	125	104	62	15	31	<b>243</b>	106	63	17	31
GOLDEN ACRES	G4588	144	90	58	11	33	111	93	60	13	30	222	97	60	16	28
GOLDEN ACRES	G5531	163	102	61	12	33	<b>131</b>	109	62	15	29	<b>234</b>	102	62	16	28
LG SEEDS	LG2555VT3	<b>172</b>	108	58	10	34	--	--	--	--	--	--	--	--	--	--
LG SEEDS	LG2602VT3Pro	164	103	58	11	33	121	101	58	12	30	<b>250</b>	109	59	14	30
LG SEEDS	LG2636VT3Pro	134	84	58	11	32	114	95	59	13	34	225	98	58	16	31
LG SEEDS	LG2642VT3	--	--	--	--	--	121	101	59	14	36	<b>249</b>	109	59	17	33
LG SEEDS	LG5630VT3Pro	139	87	57	11	29	122	102	58	14	31	216	94	57	16	27
MAT CHK	EARLY (DEKALB)	160	101	55	10	32	104	86	58	12	32	206	90	59	13	30
MAT CHK	FULL (DEKALB)	168	106	58	11	34	<b>137</b>	115	61	14	32	<b>248</b>	108	61	16	32
MAT CHK	MID (DEKALB)	<b>187</b>	117	57	10	34	102	85	58	12	30	<b>235</b>	103	60	14	33
MIDLAND	361PRW	153	96	60	11	34	<b>128</b>	107	60	13	32	206	90	60	13	29
MIDLAND	417PRW	142	89	58	11	29	109	91	59	13	30	206	90	58	16	29
MIDLAND	523BLGW	162	101	59	11	34	106	89	59	13	34	217	95	60	14	35
MIDLAND	552PRW	137	86	59	11	33	<b>128</b>	107	61	13	33	<b>237</b>	104	61	14	31
MIDLAND	573PRW	<b>177</b>	111	61	12	31	<b>145</b>	121	62	15	31	<b>234</b>	102	62	16	29
MIDLAND	583PRW	148	93	59	11	32	<b>128</b>	107	61	15	30	221	97	61	16	30
MIDLAND	622PRW	<b>181</b>	114	59	11	33	<b>135</b>	112	60	14	28	<b>248</b>	108	61	15	32
MIDLAND	653PRW	<b>185</b>	116	60	12	32	<b>142</b>	118	61	15	30	<b>244</b>	106	62	16	28
MIDLAND	670PRW	161	101	59	12	33	100	83	60	14	31	222	97	60	16	29
MIDLAND	779PRW	140	88	60	12	35	126	105	60	15	31	<b>236</b>	103	59	17	32
MIDLAND	7A28PRW	--	--	--	--	--	--	--	--	--	--	218	95	59	15	29
NUTECH	5N-517	168	105	59	12	34	<b>135</b>	113	59	16	31	<b>240</b>	105	60	18	31
PHILLIPS	PSF112	150	94	57	10	33	<b>130</b>	108	61	14	30	225	98	61	16	29
PHILLIPS	PSF122	167	104	59	11	31	111	92	61	14	30	227	99	61	16	31
PHILLIPS	PSF141	168	105	61	12	32	<b>145</b>	121	62	15	31	217	95	62	17	29
PRODUCERS	7224VT3Pro	--	--	--	--	--	<b>128</b>	107	59	12	28	<b>251</b>	110	58	15	28
PRODUCERS	7394VT3	--	--	--	--	--	<b>135</b>	112	59	14	33	232	101	59	15	30
PRODUCERS	7414VT3	--	--	--	--	--	126	105	60	13	35	223	97	58	16	34
PRODUCERS	7574VT3Pro	--	--	--	--	--	118	98	59	13	32	<b>242</b>	106	59	17	31
PRODUCERS	7624VT3	--	--	--	--	--	113	94	59	15	33	<b>236</b>	103	59	17	30
STINE	9731VT3Pro	--	--	--	--	--	107	89	61	13	30	--	--	--	--	--
STINE	9732 VT3Pro	--	--	--	--	--	<b>144</b>	120	58	14	30	--	--	--	--	--
STINE	9733E VT3Pro	--	--	--	--	--	118	98	60	13	31	--	--	--	--	--
STINE	9808E VT3Pro	--	--	--	--	--	125	104	58	17	28	--	--	--	--	--
TRIUMPH	1157X	163	102	57	10	34	106	89	58	12	35	226	99	58	15	33
TRIUMPH	1217S	--	--	--	--	--	--	--	--	--	--	229	100	60	16	34
TRIUMPH	1329H	<b>172</b>	108	58	11	37	<b>137</b>	115	60	14	31	219	96	58	16	35
TRIUMPH	1334X	--	--	--	--	--	118	99	58	14	33	--	--	--	--	--
TRIUMPH	1725H	<b>187</b>	117	58	13	32	124	104	59	16	28	<b>243</b>	106	57	18	28
	AVERAGE	160	160	59	11	33	120	120	60	14	31	229	229	60	16	30
	CV (%)	8	8	1	5	3	11	11	1	4	3	8	8	1	4	4
	LSD (0.05)	17	11	1	1	1	19	16	1	1	2	25	11	1	1	2

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.

# WESTERN KANSAS NO-TILL DRYLAND CORN TEST

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

Keith silt loam; Wheat in 2011

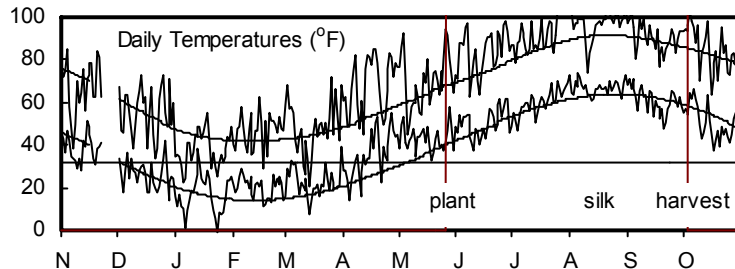
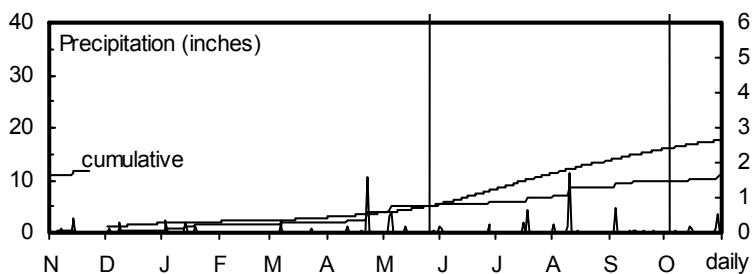
150 - 0 - 0 lb/a N, P, K

Planted on 4/26/2012; Harvested on 9/1/2012

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

Uneven emergence due to dry conditions; very hot and dry throughout season.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	4.4	3.6	40	36	506	255
April	1.3	1.5	56	50	263	200
May	0.3	2.7	67	61	493	362
June	0.9	2.8	77	72	652	594
July	1.9	2.3	82	78	760	719
August	1.0	2.1	75	76	655	699
Sep.-Oct.	1.9	2.1	61	64	685	508
<b>Totals:</b>	<b>11.7</b>	<b>17.1</b>	<b>56</b>	<b>53</b>	<b>4,015</b>	<b>3,337</b>



**TABLE 7. WESTERN KANSAS NO-TILL DRYLAND CORN PERFORMANCE TEST, 2012**

		GARDEN CITY, Finney County					
BRAND	NAME	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
MAT CHK	EARLY (DEKALB)	<b>29</b>	124	54	12	76	13
MAT CHK	FULL (DEKALB)	27	112	55	12	77	14
MAT CHK	MID (DEKALB)	21	88	54	10	77	13
MIDLAND	361PRW	12	49	54	12	81	13
MIDLAND	417PRW	<b>33</b>	141	54	12	79	14
MIDLAND	523BLGW	16	68	54	11	81	11
MIDLAND	552PRW	18	78	54	12	76	13
MIDLAND	573PRW	16	68	54	12	77	11
MIDLAND	583PRW	<b>33</b>	138	55	14	77	14
MIDLAND	622PRW	25	106	54	10	79	14
MIDLAND	653PRW	<b>29</b>	122	54	12	76	15
MIDLAND	670PRW	16	66	54	9	79	11
MIDLAND	779PRW	19	79	54	10	79	13
PHILLIPS	PSF071	22	93	54	11	75	13
PHILLIPS	PSF082	<b>30</b>	128	53	12	74	14
PHILLIPS	PSF111	26	111	53	12	76	13
PHILLIPS	PSF122	<b>30</b>	129	54	11	77	12
	AVERAGE	24	24	54	11	77	13
	CV (%)	16	16	1	15	2	8
	LSD (0.05)	5	23	1	2	3	1

**Hays, Ellis County abandoned; extreme drought conditions.**

**Colby, Thomas County abandoned; extreme drought conditions.**

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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.

## WESTERN KANSAS IRRIGATED CORN TESTS

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

Keith silt loam; Sunflower in 2011

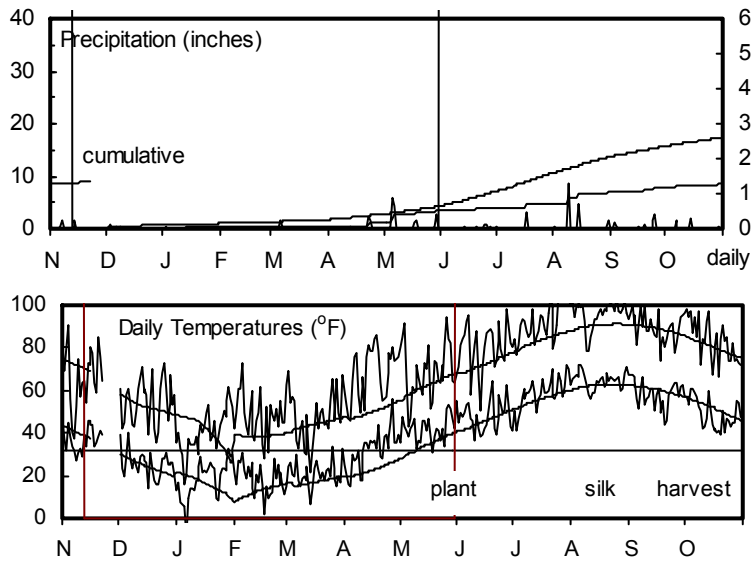
240 - 65 - 0 lb/a N, P, K

Planted on 4/30/2012; Harvested on 10/11/2012

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

Good stands were established, but the summer was hot and dry. Weed control was fair to poor.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	1.5	3.3	40	34	495	206
April	2.5	1.3	55	49	251	175
May	0.4	2.7	64	59	444	327
June	0.5	3.2	77	70	634	553
July	2.1	2.9	80	76	729	701
August	1.0	1.9	74	74	622	669
Sep.-Oct.	1.2	1.7	60	62	659	462
Totals:	9.1	17.2	55	51	3,834	3,093



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

Ulysses silt loam; Sunflower in 2011

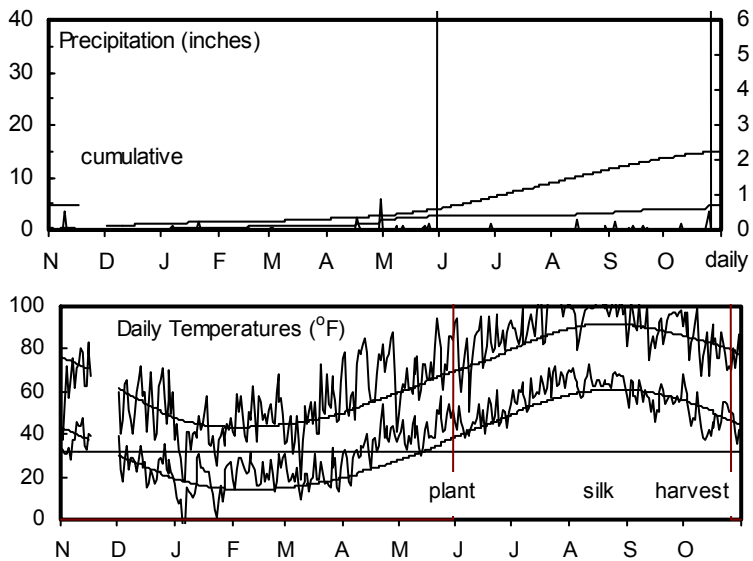
250 - 40 - 0 lb/a N, P, K

Planted on 4/30/2012; Harvested on 9/24/2012

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

Very hot and extremely dry weather during growing season.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	2.1	2.8	40	36	498	261
April	0.6	1.2	57	49	305	207
May	0.2	2.2	64	59	444	356
June	0.0	2.4	79	70	664	544
July	0.4	2.4	81	76	732	674
August	0.5	2.1	75	74	622	653
Sep.-Oct.	1.6	1.6	59	63	578	483
Totals:	5.5	14.7	55	52	3,843	3,177



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

Keith silt loam; Wheat in 2011

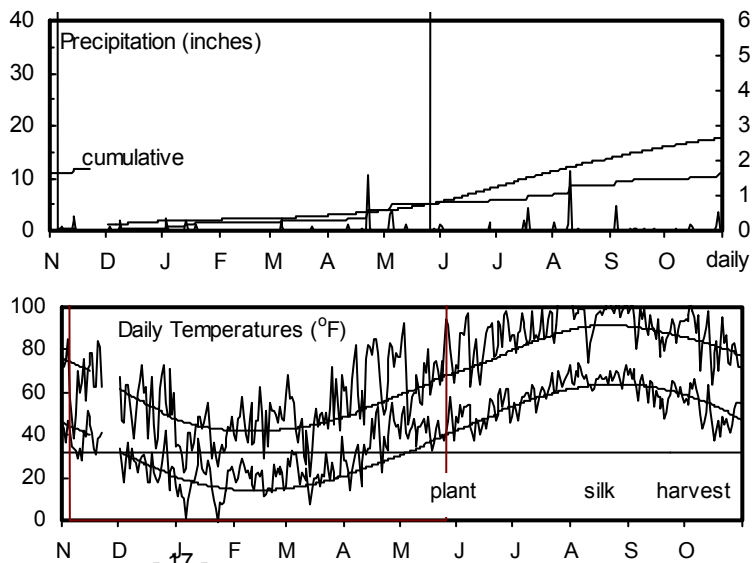
200 - 0 - 0 lb/a N, P, K

Planted on 4/26/2012; Harvested on 10/4/2012

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

Severe July weather caused extensive green snap; hot and dry throughout the season.

Month	Precipitation		Average Temp.		GDU	
	2012	Norm.	2012	Norm.	2012	Norm.
Nov.-Mar.	4.4	3.6	40	36	506	255
April	1.3	1.5	56	50	263	200
May	0.3	2.7	67	61	493	362
June	0.9	2.8	77	72	652	594
July	1.9	2.3	82	78	760	719
August	1.0	2.1	75	76	655	699
Sep.-Oct.	1.9	2.1	61	64	685	508
Totals:	11.7	17.1	56	53	4,015	3,337



**TABLE 8. WESTERN KANSAS IRRIGATED CORN PERFORMANCE TEST, 2012**

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 (%)	1000 ppa
DEKALB	DKC52-04	190	89	58	15	69	25	241	96	56	21	75	30	--	--	--	--	--
DEKALB	DKC60-62	<b>231</b>	108	56	20	71	26	240	96	53	29	75	27	--	--	--	--	--
DEKALB	DKC61-17	228	106	56	19	74	26	<b>260</b>	104	53	29	77	29	183	117	58	14	28
DEKALB	DKC61-88	--	--	--	--	--	--	--	--	--	--	--	--	160	103	58	15	28
DEKALB	DKC62-97	<b>232</b>	108	55	22	73	28	<b>265</b>	106	52	31	76	32	158	101	58	15	28
DEKALB	DKC63-07	228	106	56	21	74	27	250	100	53	29	77	30	--	--	--	--	--
DEKALB	DKC64-69	--	--	--	--	--	--	--	--	--	--	--	--	152	97	57	16	26
DEKALB	DKC66-86	--	--	--	--	--	--	--	--	--	--	--	--	158	101	56	16	27
GARST	82K01-3000GT	--	--	--	--	--	--	--	--	--	--	--	--	179	115	55	17	29
GARST	83E90-3111 Brand	--	--	--	--	--	--	--	--	--	--	--	--	146	93	57	17	28
GARST	83R38-3000GT Brand	--	--	--	--	--	--	--	--	--	--	--	--	169	108	56	17	30
GARST	84N18-3111	--	--	--	--	--	--	--	--	--	--	--	--	<b>210</b>	134	55	16	34
GARST	84U58-3111 Brand	--	--	--	--	--	--	--	--	--	--	--	--	182	116	56	15	28
GOLDEN ACRES	28V81	208	97	54	24	77	27	<b>263</b>	105	53	30	79	30	128	82	57	17	29
GOLDEN ACRES	G1518	163	76	58	18	74	27	239	95	54	26	77	31	120	77	58	14	28
GOLDEN ACRES	G4598	219	102	56	20	77	27	<b>283</b>	113	53	28	77	30	149	95	58	14	29
GOLDEN ACRES	G5531	215	100	57	20	76	28	<b>271</b>	108	53	29	76	30	127	82	59	16	29
HOEGEMEYER	8122	--	--	--	--	--	--	--	--	--	--	--	--	169	108	58	16	28
HOEGEMEYER	8389	--	--	--	--	--	--	--	--	--	--	--	--	180	115	59	17	30
HOEGEMEYER	EXP1186	--	--	--	--	--	--	--	--	--	--	--	--	136	87	58	16	28
LG SEEDS	LG2555VT3	222	104	56	19	77	28	252	101	53	27	79	31	134	86	58	14	28
LG SEEDS	LG2602VT3Pro	224	104	55	20	77	27	246	98	53	29	80	30	171	109	57	15	31
LG SEEDS	LG2636VT3Pro	210	98	55	20	76	28	234	93	52	33	80	31	166	106	56	15	28
LG SEEDS	LG2641VT3	--	--	--	--	--	--	--	--	--	--	--	--	182	116	58	14	32
LG SEEDS	LG2642VT3	209	97	54	23	75	28	247	99	52	34	78	31	146	93	58	17	28
LG SEEDS	LG5630VT3Pro	204	95	54	20	77	26	234	93	52	31	81	29	188	121	56	15	27
MAT CHK	EARLY (DEKALB)	185	86	57	15	74	26	247	98	56	19	75	31	162	104	58	13	28
MAT CHK	FULL (DEKALB)	220	103	55	25	77	27	<b>258</b>	103	52	35	80	30	189	121	58	14	27
MAT CHK	MID (DEKALB)	<b>249</b>	116	55	20	76	28	<b>272</b>	109	52	33	77	30	152	97	57	15	31
MIDLAND	361PRW	--	--	--	--	--	--	--	--	--	--	--	--	152	97	59	13	31
MIDLAND	417PRW	--	--	--	--	--	--	--	--	--	--	--	--	157	100	57	15	31
MIDLAND	481PRW	185	86	58	19	72	28	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	523BLGW	190	89	56	21	76	27	--	--	--	--	--	--	125	80	57	15	28
MIDLAND	552PRW	197	92	57	18	73	27	--	--	--	--	--	--	136	87	57	14	29
MIDLAND	573PRW	207	96	58	20	76	27	--	--	--	--	--	--	120	77	59	15	26
MIDLAND	583PRW	--	--	--	--	--	--	<b>270</b>	108	53	27	75	28	133	85	58	16	28
MIDLAND	622PRW	<b>233</b>	109	56	21	77	28	<b>282</b>	112	52	31	79	31	169	108	58	15	31
MIDLAND	653PRW	228	106	54	24	76	25	<b>262</b>	104	53	31	78	30	135	87	57	17	28
MIDLAND	670PRW	200	93	55	21	74	28	252	101	52	32	77	30	130	83	57	16	30
MIDLAND	779PRW	211	99	53	23	76	27	218	87	52	34	80	30	147	94	58	15	30
MIDLAND	7A28PRW	208	97	53	24	80	28	--	--	--	--	--	--	--	--	--	--	--
MYCOGEN	2T784	200	94	55	21	77	27	247	99	52	31	80	30	143	91	58	16	26
MYCOGEN	2V676	225	105	55	17	77	27	--	--	--	--	--	--	--	--	--	--	--
MYCOGEN	2V707	<b>253</b>	118	56	19	77	28	251	100	53	30	79	30	<b>211</b>	135	58	15	32
MYCOGEN	2V738	230	107	56	22	77	28	230	92	53	32	80	30	162	104	58	15	34
MYCOGEN	2Y816	--	--	--	--	--	--	226	90	52	36	81	30	<b>194</b>	124	55	17	31
PHILLIPS	PSF082	211	99	57	16	72	27	<b>259</b>	103	54	25	75	28	144	92	58	14	31
PHILLIPS	PSF112	210	98	56	20	74	27	<b>270</b>	108	53	29	76	30	145	93	58	15	30
PHILLIPS	PSF122	202	94	55	22	74	27	<b>265</b>	106	53	31	76	28	178	114	58	16	27
PHILLIPS	PSF141	<b>232</b>	108	58	20	75	28	252	101	53	29	76	29	96	61	58	15	22
PRODUCERS	6884VT3Pro	187	87	58	16	75	26	--	--	--	--	--	--	--	--	--	--	--
PRODUCERS	7014VT3	225	105	56	18	76	28	--	--	--	--	--	--	--	--	--	--	--
PRODUCERS	7224VT3Pro	214	100	55	20	77	27	237	95	53	31	80	26	166	106	58	14	25
PRODUCERS	7394VT3	209	98	56	18	75	29	253	101	53	27	79	30	131	84	57	15	27
PRODUCERS	7414VT3	195	91	55	19	74	28	227	91	53	28	78	30	172	110	58	14	31
PRODUCERS	7574VT3Pro	215	100	55	21	76	27	237	95	52	32	79	31	154	98	57	14	30
PRODUCERS	7624VT3	--	--	--	--	--	--	237	95	52	33	78	30	132	85	56	17	30
STINE	9732 VT3Pro	219	102	55	22	76	27	183	117	56	16	0	28	--	--	--	--	--
STINE	9733E VT3Pro	182	85	58	18	74	28	--	--	--	--	--	--	152	97	59	13	28
STINE	9808E VT3Pro	211	99	53	26	76	26	--	--	--	--	--	--	180	115	57	20	28
TAYLOR	T9920	203	95	57	18	73	29	<b>264</b>	105	53	27	75	29	107	68	59	15	32
TAYLOR	T9922	221	103	55	23	74	27	<b>280</b>	112	53	31	76	29	181	116	58	15	27
TAYLOR	T9945	212	99	58	20	74	26	225	90	53	28	77	30	122	78	60	15	30

**TABLE 8 continued. WESTERN KANSAS IRRIGATED CORN PERFORMANCE TEST, 2012**

BRAND	NAME	COLBY, Thomas County					TRIBUNE, Greeley County					GARDEN CITY, Finney County						
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa
TRIUMPH	1002S	221	103	55	18	77	28	248	99	53	26	79	29	151	97	57	14	32
TRIUMPH	1157X	<b>256</b>	120	54	19	77	29	243	97	53	29	79	30	179	115	55	14	31
TRIUMPH	1217S	<b>258</b>	121	55	21	77	28	250	100	53	30	79	29	175	112	57	14	31
TRIUMPH	1329H	<b>246</b>	115	53	22	76	29	240	96	53	31	78	30	133	85	56	14	32
TRIUMPH	1725H	--	--	--	--	--	--	--	--	--	--	--	--	188	121	55	16	32
TRIUMPH	4401X	187	87	56	17	77	29	--	--	--	--	--	--	--	--	--	--	--
	AVERAGE	214	214	56	20	75	27	251	251	53	30	78	30	156	156	57	15	29
	CV (%)	9	9	2	5	1	6	8	8	1	6	1	5	10	10	2	7	11
	LSD (0.05)	28	13	1	1	1	2	29	12	0	2	2	2	22	14	1	1	5

Seed treatment and hybrid traits located in Table 9.

Yields in bold 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. Entries in the 2012 Kansas Corn Performance Tests**

	SD TRT*	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
<b>AGRIGOLD</b>							<b>G2 GENETICS</b>						
A6309STXRIB	P500, Vot	2465	--	RR/CB/RW	--	Y	5X-903	Maxim Q	--	--	HXT/RR2/LL	N	N
A6384VT3Pro	P500, Vot	2600	--	RR/CB/RW	--	--	5X-915	Poncho125	--	--	HXT/RR2/LL	N	Y
A6553VT3	P500, Vot	2765	--	RR/CB/RW	--	Y	5Z-008	Poncho125	--	--	YGCB,HX,RR,LL	N	N
A6225VT3	P500, Vot	2260	98	RR	--	Y	5Z-1204	Poncho125	--	--	HXT/RR2/LL	N	Y
A6319VT3Pro	P500, Vot	2437	103	RR/CB/RW	--	Y	5Z-407	Poncho125	--	--	YGCB,HX,RR,LL	N	N
A6458VT3	P500, Vot	2660	110	RR/CB/RW	--	Y	5Z-802	Maxim Q	--	--	YGCB,HX,RR,LL	N	Y
A6486VT3Pro	P500, Vot	2712	111	RR	--	Y	5H-716	Poncho125	--	116	HX1/RR2/LL	N	Y
A6517VT3Pro	P500, Vot	2765	113	RR	--	Y	<b>GARST</b>						
A6533VT3	P500, Vot	2780	113	RR/CB/RW	--	Y	82K01-3000GT	Cruiser	--	--	--	--	--
A6573VT3Pro	P500, Vot	2793	114	RR	--	Y	84N18-3111	Cruiser	--	--	--	--	--
<b>AGVENTURE</b>							86H30-3111	Cruiser	2550	105	GT/CB/LL/RW	Y	SF
AV R6786	--	--	--	--	--	--	84U58-3111	Cruiser	2580	110	LL,RR,CB,RW	Y	Y
AV RL6311HB	--	--	--	--	--	--	83R38-3000GT	Cruiser	2600	113	LL,RR,CB,RW	Y	Y
AV RL6786HB	--	--	--	--	--	--	83G41-3000GT	Cruiser	2620	113	GT/CB/LL/RW	Y	SF
AV RL6991HB	--	--	--	--	--	--	83E90-3111	Cruiser	2630	113	CBGTLR	Y	Y
<b>DEKALB</b>							83P07-3111	Cruiser	2640	115	GTRRCBLL	N	Y
DKC49-30	A500 P/V	2400	99	VT3P	--	N	82K01-3111	Cruiser	2650	116	LL,RR,CB,RW	Y	Y
DKC52-59	A500 P/V	2540	102	VT3	--	--	<b>GOLDEN ACRES</b>						
DKC52-61	A500 P/V	2540	102	VT2P	--	Y	28V81	P250	--	--	--	--	--
DKC52-04	A500 P/V	2550	102	VT3P	--	Y	G4598	P250	2550	113	VT3P	N	Y
DKC53-45	A500 P/V	2530	103	GENSS	Y	Y	G1518	P250	2600	114	VT2P	N	Y
DKC60-62	A500 P/V	2775	110	VT3P	--	N	G4588	P250	2600	114	VT3P	N	Y
DKC61-17	A500 P/V	2750	111	VT3P	--	N	G5531	P250	2650	115	VT3P	N	Y
DKC61-49	A500 P/V	2775	111	VT2P	Y	Y	<b>HOEGEMEYER</b>						
DKC61-88	A500 P/V	2775	111	VT3P	--	Y	7278	P1250	2460	102	HX/LL/RR	--	Y
DKC62-09	A500 P/V	2800	112	VT3P	Y	Y	7644	Cruiser	2550	106	HX/LL/RR	--	N
DKC62-97	A500 P/V	2800	112	VT3P	Y	Y	7876	P1250	2600	108	HX/LL/RR/CB	--	N
DKC63-07	A500 P/V	2825	113	VT3P	Y	Y	8122	P1250	2656	110	HX/LL/RR	--	N
DKC63-87	A500 P/V	2825	113	VT2P	Y	Y	8389	P1250	2760	114	HXT/LL/RR/CB	--	Y
DKC64-69	A500 P/V	2850	114	GENVT3P	Y	Y	EXP1186	P1250	2820	116	HXT/LL/RR/CB	--	Y
DKC66-97	A500 P/V	2820	116	VT2P	--	N	<b>KRUGER</b>						
DKC66-86	A500 P/V	2900	116	VT3P	--	Y	K-7810	P500	2750	110	RR/CB/RW	Y	Y
<b>G2 GENETICS</b>							K-7911	P500	2775	111	RR/CB/RW	Y	N
3D-811	Maxim Q	--	--	AcreMax	N	Y	K-7312	P500	2800	112	RR/BW/RW	Y	Y
3F-515	Maxim Q	--	--	HX1/RR2/LL	N	N	K-4714	P500	2850	114	RR/CB	Y	N
5H-0504	Poncho125	--	--	HX1/RR2/LL	N	N	K-7315	P500	2875	115	RR/CB/RW	Y	N
5H-0603	Poncho125	--	--	HX1/RR2/LL	N	N	K-7615	P500	2875	115	RR/CB/RW	Y	Y
5H-1005	Poncho125	--	--	HX1/RR2/LL	N	N	<b>LG SEEDS</b>						
5H-117	Poncho125	--	--	HX1/RR2/LL	N	Y	LG5522VT3	P500	2525	103	VT3	--	Y
5H-309	Poncho125	--	--	HX1/RR2/LL	N	Y	LG5533VT3Pro	P500	2530	107	VT3PRO	--	Y
5H-399	Poncho125	--	--	HX1/RR2/LL	N	Y	LG5550VT3Pro	P500	2550	108	VT3PRO	--	Y
5H-502	Maxim Q	--	--	HX1/RR2/LL	N	N	LG2552VT2Pro	P500	2625	110	VT2PRO	--	Y
5H-806	Poncho125	--	--	HX1/RR2/LL	N	Y	LG2555VT3	P500	2670	111	VT3	N	Y
5H-905	Poncho125	--	--	HX1/RR2/LL	N	N	LG2620VT3	P500	2620	112	VT3	N	Y
5X-0004	Poncho125	--	--	HXT/RR2/LL	N	Y	LG2602VT3Pro	P500	2700	112	VT3PRO	--	Y
5X-214	Maxim Q	--	--	HXT/RR2/LL	N	Y	LG2641VT3	P500	2685	114	VT3	N	Y
5X-411	Maxim Q	--	--	HXT/RR2/LL	N	N							



**Table 9 continued. Entries in the 2012 Kansas Corn Performance Tests**

SD TRT* GDD DBL RES P F							SD TRT GDD DBL RES P F						
<b>LG SEEDS</b>							<b>PHILLIPS</b>						
LG5630VT3Pro	P500	2715	114	VT3PRO	--	Y	PSF112	Acceleron	2737	111	VT3P	--	Y
LG2636VT3Pro	P500	2750	114	VT3PRO	--	Y	795VT3	Acceleron	2820	111	VT3	Y	Y
LG2642VT3	P500	2700	115	VT3	N	N	PSF122	Acceleron	2662	112	VT3P	--	N
<b>MASTERS CHOICE</b>							<b>PIONEER</b>						
MC-534	P250	2575	107	--	N	Y	PSF121	Acceleron	2754	112	VT3P	--	Y
MC-6020	P250	--	110	--	N	Y	PSF141	Acceleron	2825	114	VT3P	--	Y
MCT-6323	C250	--	113	3000GT	N	Y	35P10 YGCB,RR2-		2530	104	CB,RR	N	Y
MC-630	P250	2755	115	--	N	Y	<b>PRODUCERS</b>						
<b>MIDLAND</b>							7394VT3 Votivo -- -- RR,CB,RW -- Y						
417PRW	C250	--	--	--	--	--	7414VT3 Votivo -- -- RR,CB,RW -- Y						
670PRW	C250	--	--	--	--	--	7624VT3 Votivo -- -- RR,CB,RW -- Y						
779PRW	C250	--	--	--	--	--	XP5894VT3Pro Votivo 2626 98 VT3PRO Y Y						
143BLGW	C250	--	101	CBLLGTRW	Y	Y	5904VT3Pro Votivo 2455 99 VT3PRO Y Y						
361PRW	C250	2660	107	VT3	Y	Y	XP6104VT3Pro Votivo 2647 101 VT3PRO Y Y						
481PRW	C250	2630	110	VT3P	Y	Y	6424VT3Pro Votivo 2512 104 VT3PRO Y Y						
523BLGW	C250	--	111	CBLLGTRW	Y	Y	6624VT3Pro Votivo 2520 106 VT3PRO Y Y						
552PRW	C250	--	112	VT3PR	Y	Y	6884VT3Pro Votivo 2535 108 VT3PRO Y Y						
571BLG	C250	--	112	CB,LL,GT	Y	Y	7014VT3 Votivo -- 110 VT3 Y Y						
573PRW	C250	--	112	VT3Pro	Y	Y	7224VT3Pro Votivo 2610 112 VT3 Y Y						
583PRW	C250	--	112	VT3Pro	Y	Y	7574VT3Pro Votivo 2700 115 VT3 Y Y						
622PRW	C250	--	113	VT3PR	Y	Y	<b>STINE</b>						
653PRW	C250	--	113	VT3Pro	Y	Y	9732 VT3Pro P250 2540 112 RR,CB,CRW N N						
7A28PRW	C250	2840	115	CB,RR	Y	Y	9731VT3Pro P250 2560 113 RR,CB,CRW N N						
<b>MYCOGEN</b>							9733E VT3Pro P250 2580 113 RR,CB,CRW N N						
2J567	C250	--	104	HXXTRR	N	Y	9808E VT3Pro P250 2610 114 RR,CB,CRW N N						
2H566	C250	2495	104	LL,RR,CB,RW	N	N	<b>TAYLOR</b>						
2J597	C250	2500	105	LL,RR,CB,RW	N	N	T9920 -- -- -- -- --						
2K594	C250	2620	105	LL,RR,CB,RW	N	N	T9922 -- -- -- -- --						
2V676	C250	--	107	SSX	N	Y	T9945 -- -- -- -- --						
2V707	C250	--	111	LL,RR,CB,RW	N	N	<b>TRIUMPH</b>						
2V715	C250	2735	112	LL,RR,CB,RW	N	Y	1002S -- -- -- -- --						
2V738	C250	2765	113	LL,RR,CB,RW	N	N	1157X -- -- -- -- --						
X12767	C250	--	114	SSX	N	Y	1217S -- -- -- CB -- --						
2T784	C250	2740	114	RR/LL	N	Y	1329H -- -- -- -- --						
2A787	C250	--	115	RR/LL	N	N	1334X -- -- -- -- --						
2Y816	C250	--	116	H1RR	N	Y	1725H -- -- -- -- --						
<b>NUTECH</b>							4401X -- -- -- -- --						
5B-410	Maxim Q	--	--	GT/CB/LL	N	Y	7514S -- 2580 114 LRCBRW -- Y						
5N-517	Maxim Q	--	--	GT/CB/LL/RW	N	N	<b>MATURITY CHECK</b>						
5N-910	Maxim Q	--	--	GT/CB/LL/RW	N	Y	MID A500 P/V -- -- -- -- --						
5V-514	Maxim Q	--	--	GT/CB/LL/RW	N	N	EARLY A500 P/V 2530 100 VT3 -- --						
<b>PHILLIPS</b>							FULL A500 P/V 2800 118 CB N Y						
709VT3	Acceleron	--	--	--	--	--							
PSF071	Acceleron	2628	107	VT3P	--	Y							
PSF082	Acceleron	2766	108	VT3P	--	Y							
PSF111	Acceleron	2617	111	VT3P	--	N							

\*SD TRT = Seed treatment (C=Cruiser, CE=Cruiser Extreme, P=Poncho, Vot=Votivo. 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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## Contributors

### **Main Station, Manhattan**

Jane Lingenfelter, Assistant Agronomist (Senior Author)  
Doug Jardine, Extension Plant Pathologist  
Jeff Whitworth, Extension Entomologist  
Mary Knapp, KSU Weather Data Librarian  
Edward O. Quigley, Agricultural Technician

### **Experiment Fields**

Eric Adee, Topeka  
William Heer, Hutchinson  
James Kimball, Ottawa  
Wendell Lilyhorn, Hutchinson  
Randall Nelson, Scandia

### **Research Centers**

Wayne Aschwege, Hays  
DeWayne Bond, Tribune  
Patrick Evans, Colby  
Kelly Kusel, Parsons  
Alan Schlegel, Tribune  
Monty Spangler, Garden City

### **Cooperators**

Fuhrman Farms, Severance  
Lance Rezac, Onaga  
Norman Schmidt, Inman  
Clayton Short, Assaria  
Justin Vosburgh, Macksville

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