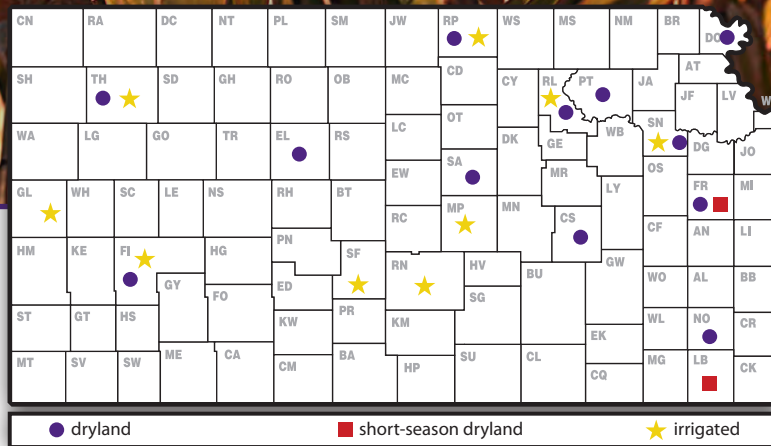


2013 Kansas Performance Tests with

Corn Hybrids



Report of Progress 1091



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2013 CORN CROP REVIEW

Statewide Growing Conditions

The corn crop enjoyed a much more productive growing season than was experienced the last two years in Kansas, but 2013 was not without challenges. Widespread rains in March and April meant that the majority of the state had adequate topsoil moisture in the spring (Figure 1), corn planting had to be delayed or skipped in favor of grain sorghum or soybeans in many cases because the ground was too wet. The hot, dry weather that is more typical of summer in Kansas returned in May and stayed until the end of July, when the surviving corn crop benefitted from more widespread rains and cooler temperatures. This relief came a few weeks too late for many dryland acres, including the dryland performance tests in Chase, Ellis, and Thomas Counties.

The effects of the milder growing season in 2013 could be seen in the quality of the corn crop; 43% of the crop was rated as good or excellent at the time of harvest (Figure 2). (Crop-Weather Reports, Kansas Agricultural Statistics, Topeka)

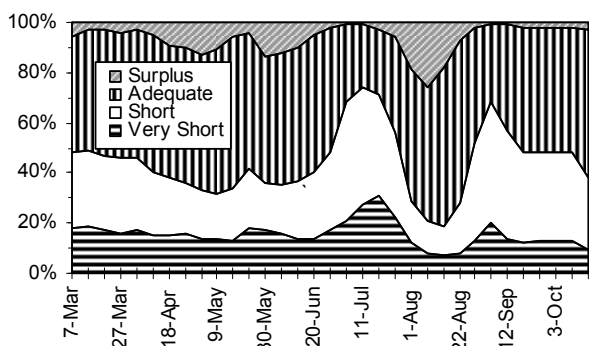


Figure 1. Statewide status of topsoil moisture

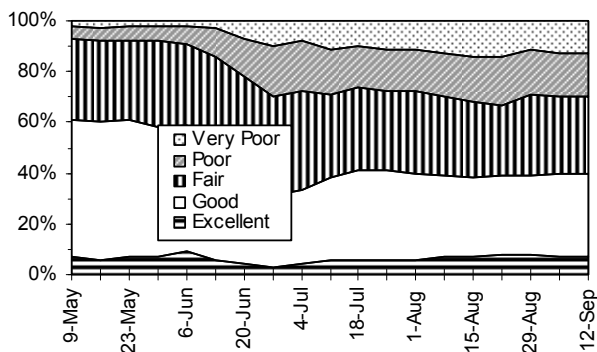


Figure 2. Condition of 2013 Kansas corn crop

Harvest Statistics

The September 12 Crops Report predicted a 525 million-bushel crop, up 38% from last year's production. The anticipated number of acres to be harvested for grain is 4.2 million, unchanged from last year. The predicted average yield of 125 bushels per acre is up 29 bushels from last year. (Kansas Agricultural Statistics Service, Topeka)

Diseases

Rain finally returned to Kansas in 2013. Delayed planting due to wet soils allowed soil temperatures to increase to the point that there were relatively few stand establishment problems due to seedling diseases.

It was anticipated that gray leaf spot would be a problem in 2013 due to the generally increased precipitation compared with the previous two years, but that was not the case. Only scattered fields reached disease levels that required a fungicide application. Lack of inoculum from the previous two years is partially responsible, as well as a lack of June rainfall in some areas of the state traditionally plagued by gray leaf spot.

Northern corn leaf blight, which is normally uncommon in Kansas, was present in a number of fields in the north central and northeast part of the state. Cooler temperatures are usually associated with the outbreak of this disease. Incidences and severity were generally low however, and no fungicide applications were needed.

Goss's bacterial wilt incidences continued to increase. The disease was reported in 22 different counties across the state in 2013. Severity varied with time of infection, with early infected fields having the most yield reduction. Incidence and severity of the disease continues to be correlated with no-till, continuously cropped corn fields planted to moderately susceptible hybrids.

Common rust was found throughout the state, but there are no indications that any yield loss was suffered from it. Southern rust was identified in McPherson County on August 1, about the average time of appearance in Kansas. Because of delayed plantings in many areas, it was anticipated that many acres of corn might have required a fungicide application. Cooler than normal temperatures in early- to mid-August, however greatly slowed the progress of the disease and few, if any, fields required spraying.

Incidence of *Aspergillus* ear mold decreased greatly over the previous two years. For instance, fields near Fredonia that had incidences of 50% molded ears in 2012, had incidences of only 15% in 2013. Reports from grain handlers indicate that aflatoxin was a problem only in some early harvested fields in southeast Kansas. Over half of the early submitted samples tested above 100 ppb, with many over 400 ppb. As later harvested corn came off, levels fell to under 20 ppb for approximately 65% of the samples, with only a few over 100 ppb. In northern production areas, little aflatoxin could be detected.

The 2013 growing season was a good one for stalk rots in corn. Depending on your location in the state, all four major stalk rots were identified; *Fusarium* stalk rot, charcoal rot, anthracnose stalk rot and *Diplodia* stalk rot. *Fusarium* stalk rot was the most common and severe of the four. The weather pattern of wet early, dry mid-season, and wet near season's end is always a good combination for the development of *Fusarium* stalk rot. (Doug Jardine, Kansas State University Department of Plant Pathology)

Insects

2013 was a relatively pest-free year for corn production. Few early season pests were noted on a wide-scale basis. There were many reports of numerous corn earworm eggs deposited on silks during pollination, but this did not seem to result in more damage than usual.

There were also reports of spider mite infestations which required 2 applications of miticides in southwest Kansas, but little else in the way of pest problems. Two fields in northeast Kansas that were planted with a corn rootworm-traits variety had significant goose-necking and lodging due to western corn rootworm larval root pruning. (Jeff Whitworth, Kansas State University Department of Entomology)

2013 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 2013 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 of 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 2013 Kansas Corn Performance Tests

AgriGold Hybrids St. Francisville, IL 800-262-7333 agrigold.com	Golden Acres Genetics Waco, TX 254-761-9838 gaseed.com	Midland Genetics Group Ottawa, KS 785-242-3598 midlandgenetics.com	Producers Hybrids Battle Creek, NE 800-673-3190 producershybrids.com
B-H Genetics Ganado, TX 361-771-2755 bhgenetics.com	Integrity Hybrids Kelley, IA 515-460-2169	Mycogen Seeds Indianapolis, IN 1-800-MYCOGEN dow.com	Steyer Seeds Old Fort, OH 800-231-4274 steyerseeds.com
Dekalb (Monsanto) St. Louis, MO 800-768-6387 asgrowanddekalb.com	Kruger Seed Dike, IA 319-989-2414 krugerseed.com	NuTech Seed, LLC (G2 Genetics) Ames IA 515-232-1997 yieldleader.com	Stine Seed Company Sheridan, IN 317-758-0800 stinseed.com
Garst Seed Minnetonka, MN 800-445-0956 GarstSeeds.com	LG Seeds Elmwood, IL 800-752-6847 lgseeds.com	Phillips Seed Farms, Inc. Hope, KS 785-949-2204 phillipsseed.com	Triumph Seed Co., Inc. Ralls, TX 888-521-7333 triumphseed.com
		Pioneer Hi-Bred Intl., Inc. Lincoln, NE 402-467-5458 pioneer.com	

NORTHEAST KANSAS DRYLAND CORN TESTS

Agronomy North Farm, Manhattan; Jane Lingenfelter, agronomist

Reading silt loam; soybean in 2012

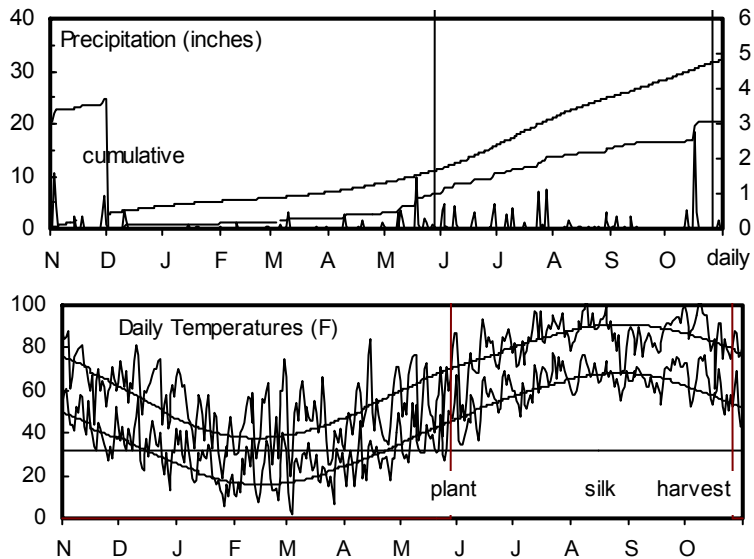
150 - 0 - 0 lb/a N, P, K

Planted on 4/28/2013; Harvested on 9/24/2013

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

Good, mild conditions throughout growing season.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	3.8	7.4	40	37	313	273
April	3.5	2.4	49	53	184	222
May	3.4	4.2	64	64	447	412
June	3.5	4.8	76	73	673	640
July	1.4	3.7	78	79	731	770
August	0.9	3.2	77	78	734	750
Sep.-Oct.	8.4	5.1	64	66	920	563
Totals:	24.8	30.9	55	54	4,002	3,628



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

Ulysses silt loam; soybean in 2012

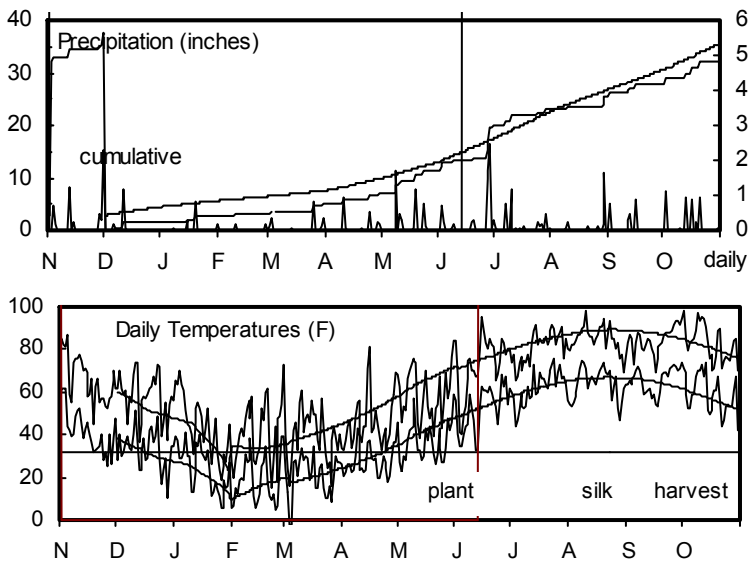
160 - 15 - 0 lb/a N, P, K

Planted on 5/14/2013; Harvested on 10/2/2013

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

Good, mild conditions throughout growing season.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	10.8	8.5	38	36	280	247
April	4.5	2.9	48	54	145	216
May	8.1	4.2	62	64	411	417
June	3.2	4.7	72	73	605	643
July	2.4	3.9	75	78	699	761
August	2.4	3.7	75	76	698	732
Sep.-Oct.	6.4	4.7	62	68	810	528
Totals:	37.7	32.6	53	53	3,646	3,545



Lance Rezac Farm, Onaga; Lance Rezac, cooperater; Jane Lingenfelter, agronomist

Kipson silty clay loam; soybean in 2012

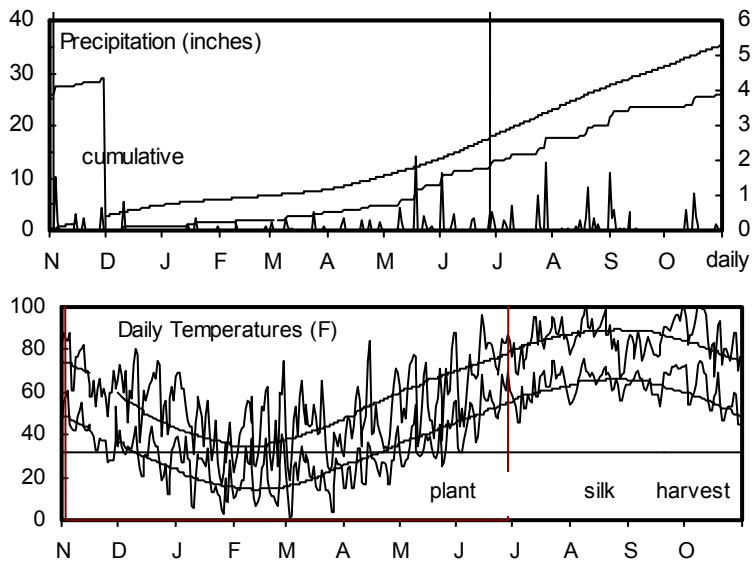
160 - 0 - 0 lb/a N, P, K

Planted on 5/30/2013; Harvested on 10/2/2013

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

Good, mild conditions throughout growing season.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.2	9.1	38	36	306	261
April	3.9	2.9	47	53	155	208
May	4.1	4.3	62	62	411	373
June	4.3	4.3	73	72	624	614
July	2.6	4.4	76	77	705	742
August	3.3	3.5	75	76	699	716
Sep.-Oct.	5.6	5.2	63	64	866	496
Totals:	29.1	33.8	53	53	3,766	3,409



NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TESTS

Ashland Bottoms Research Center, Manhattan; Jane Lingenfelter, agronomist

Sandy loam; soybean in 2012

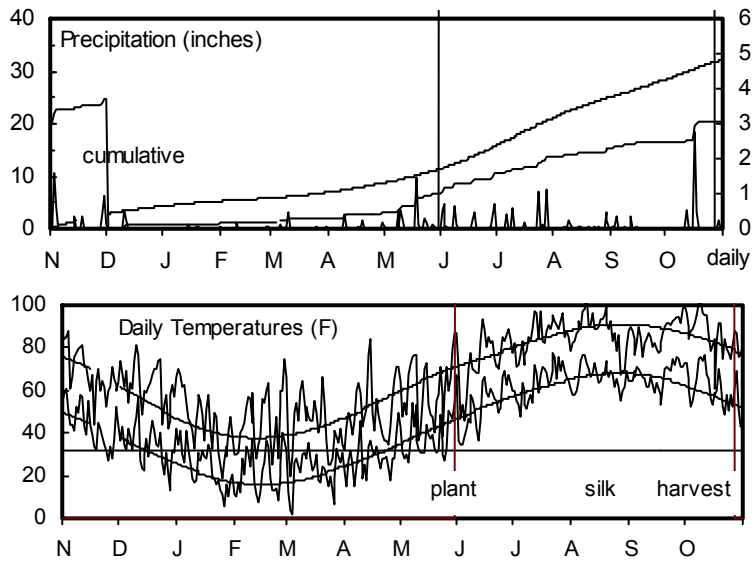
180 - 0 - 0 lb/a N, P, K

Planted on 4/30/2013; Harvested on 9/25/2013

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

High temperatures and dry winds around tasseling affected some hybrids.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	3.8	7.4	40	37	313	273
April	3.5	2.4	49	53	184	222
May	3.4	4.2	64	64	447	412
June	3.5	4.8	76	73	673	640
July	1.4	3.7	78	79	731	770
August	0.9	3.2	77	78	734	750
Sep.-Oct.	8.4	5.1	64	66	920	563
Totals:	24.8	30.9	55	54	4,002	3,628



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

Crete silt loam; soybean in 2012

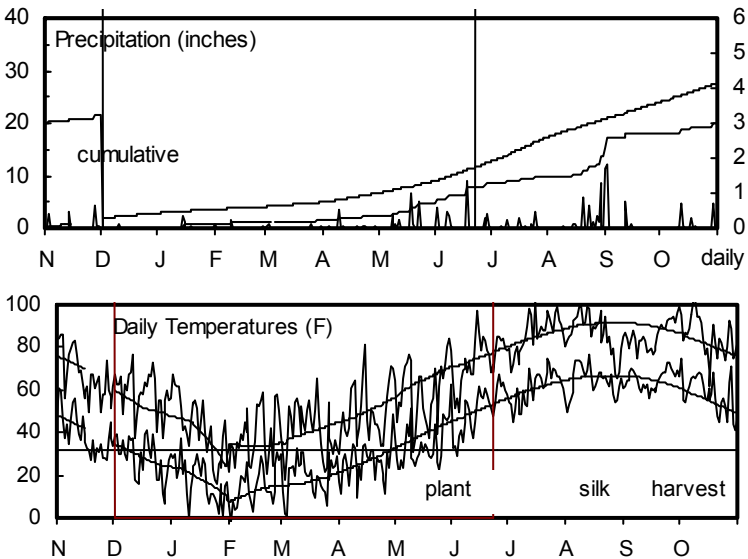
200 - 0 - 0 lb/a N, P, K

Planted on 5/23/2013; Harvested on 11/1/2013

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

Planting and later grain drydown and harvest were delayed by wet weather.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	4.6	6.0	36	34	278	235
April	2.6	2.1	47	52	168	204
May	3.1	3.5	63	63	421	393
June	1.4	4.3	75	73	637	635
July	3.8	3.2	76	78	695	755
August	2.8	3.1	75	77	701	731
Sep.-Oct.	3.4	4.2	62	65	853	515
Totals:	21.6	26.5	52	52	3,753	3,468



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

Eudora silt loam; soybean in 2012

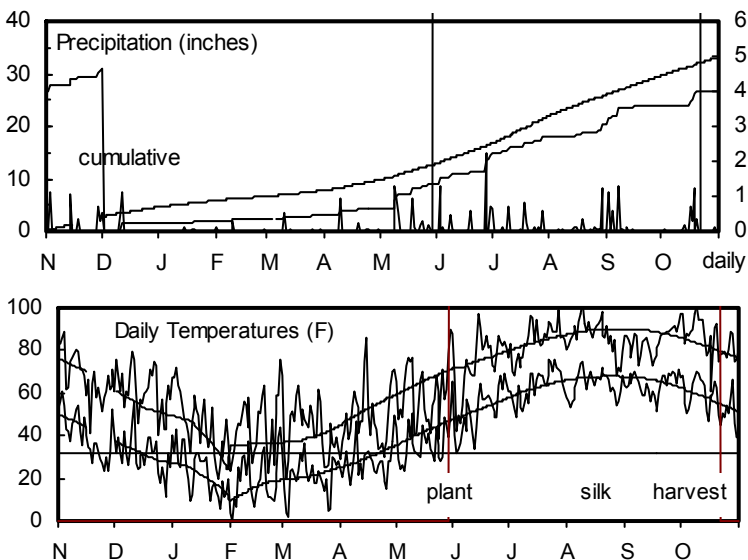
160 - 0 - 0 lb/a N, P, K

Planted on 4/29/2013; Harvested on 9/20/2013

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

Growing conditions varied considerably through the season. It started with a later planting date with cool and wet soils, then a dry and hot period around tasseling, followed by rain and cooler temperatures that helped grain fill.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.8	8.4	39	37	295	268
April	4.5	2.8	48	54	168	221
May	5.5	3.7	63	64	434	414
June	2.8	4.8	75	73	661	652
July	2.5	3.8	76	78	700	774
August	3.3	3.5	74	77	680	751
Sep.-Oct.	6.7	4.6	62	66	859	547
Totals:	31.0	31.6	54	54	3,797	3,627



EASTERN KANSAS DRYLAND CORN TESTS

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

Woodson silt loam; soybean in 2012

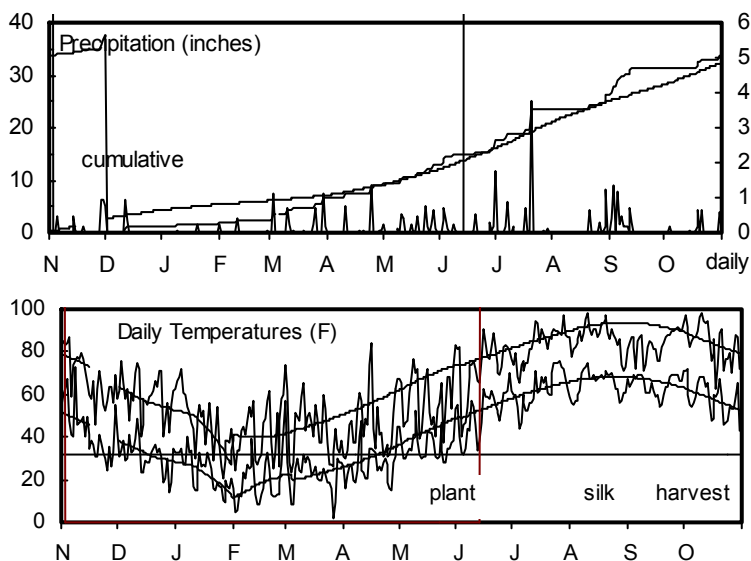
120 - 40 - 13 lb/a N, P, K

Planted on 5/14/2013; Harvested on 10/2/2013

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

Excellent conditions at planting; dry during June and July, but precipitation improved in August.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	12.0	7.7	39	39	298	319
April	3.7	2.7	47	56	135	260
May	2.9	3.9	62	65	411	449
June	6.0	4.6	73	74	630	667
July	2.4	3.7	76	80	718	778
August	5.2	3.0	74	79	683	756
Sep.-Oct.	5.5	5.1	63	68	876	591
Totals:	37.5	30.8	54	56	3,750	3,820



Private farm, Erie; Kelly Kusel, research technician

Lanton silt loam; corn in 2012

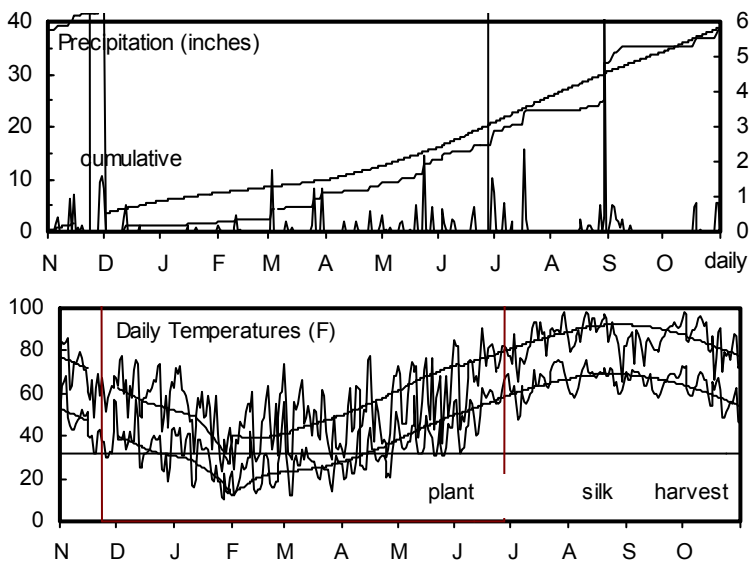
125 - 15 - 15 lb/a N, P, K

Planted on 5/28/2013; Harvested on 10/22/2013

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

Late planting due to wet weather, emergence in saturated soil. Late July, early Aug. rain very beneficial to varieties.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	11.6	10.6	42	40	355	315
April	4.5	3.3	49	56	162	254
May	4.3	4.6	63	66	421	461
June	3.9	4.6	75	74	662	681
July	9.0	4.3	78	80	740	791
August	3.2	3.7	76	79	723	763
Sep.-Oct.	9.1	5.9	64	68	902	575
Totals:	45.7	36.9	56	56	3,963	3,840



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

Silty clay loam; soybean in 2012

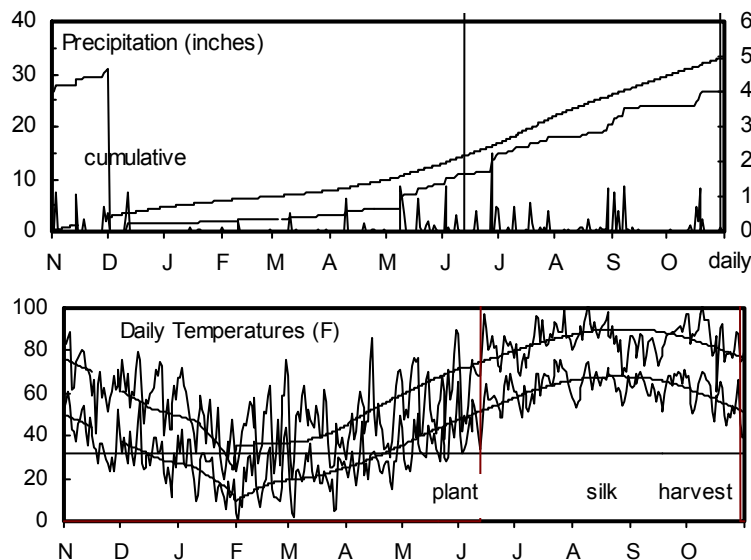
145 - 0 - 0 lb/a N, P, K

Planted on 5/13/2013; Harvested on 9/27/2013

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

Several of the hybrids had trouble pollinating because of hot and dry conditions.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.8	8.4	39	37	295	268
April	4.5	2.8	48	54	168	221
May	5.5	3.7	63	64	434	414
June	2.8	4.8	75	73	661	652
July	2.5	3.8	76	78	700	774
August	3.3	3.5	74	77	680	751
Sep.-Oct.	6.7	4.6	62	66	859	547
Totals:	31.0	31.6	54	54	3,797	3,627



CENTRAL KANSAS DRYLAND CORN TESTS

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

Crete silt loam; soybean in 2012

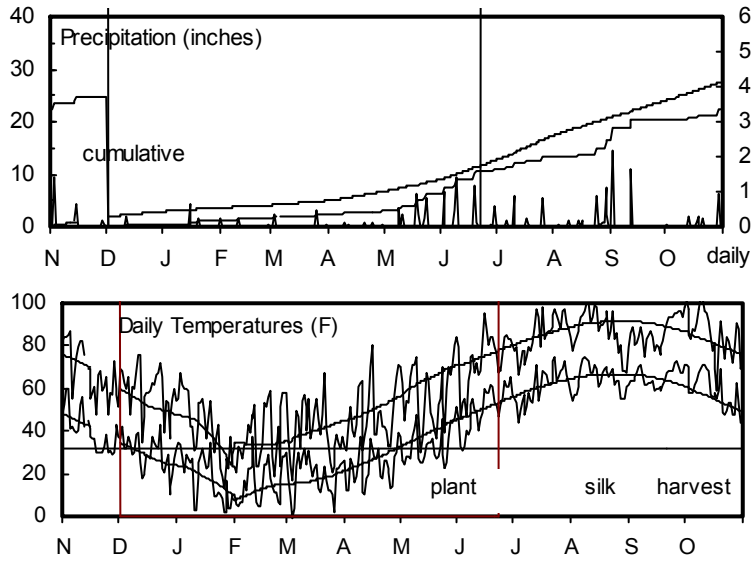
180 - 0 - 0 lb/a N, P, K

Planted on 5/23/2013; Harvested on 11/14/2013

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

Planting and later grain drydown and harvest were delayed by wet weather.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	3.1	6.0	36	34	288	235
April	3.3	2.1	45	52	136	204
May	4.8	3.5	62	63	398	393
June	2.2	4.3	74	73	616	635
July	3.3	3.2	77	78	703	755
August	3.8	3.1	76	77	708	731
Sep.-Oct.	4.3	4.2	62	65	848	515
Totals:	24.7	26.5	52	52	3,695	3,468



Clayton Short Farm, Assaria; Clayton Short, cooperator; Jane Lingenfelter, agronomist

Smolan silt loam; grain sorghum in 2012

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

Planted on 5/15/2013; Harvested on 10/1/2013

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

Plants were stressed from hot, dry weather early in the season but hung on through grain fill.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.5	8.3	40	39	338	327
April	2.3	2.8	50	55	192	236
May	5.9	4.8	65	65	465	432
June	2.2	3.9	78	75	697	690
July	5.8	4.1	79	81	757	805
August	5.0	3.3	78	80	754	790
Sep.-Oct.	2.8	3.7	66	68	986	595
Totals:	29.5	30.9	56	56	4,187	3,875

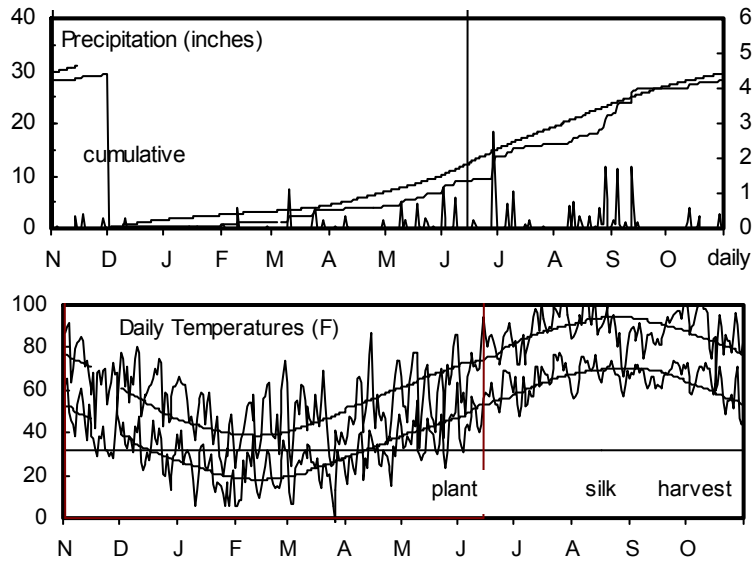


TABLE 5. CENTRAL KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

BRAND	NAME	BELLEVILLE, Republic County						ASSARIA, Saline County				
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa
AGRIGOLD	A6408VT3PRIB	155	95	57	14	68	23	--	--	--	--	--
AGRIGOLD	A6517VT3PRIB	170	104	54	13	70	23	--	--	--	--	--
AGRIGOLD	A6553VT3PRIB	156	95	55	15	65	27	--	--	--	--	--
DEKALB	DKC52-61 GENSS	156	95	57	14	65	25	113	88	56	14	18
DEKALB	DKC61-88 GENVT3P	176	107	58	14	65	25	145	113	58	17	18
DEKALB	DKC64-69 GENVT3P	169	103	56	14	68	28	183	142	59	18	21
GARST	82K01-3111	147	90	56	14	68	23	--	--	--	--	--
GARST	83S06-3111	182	111	58	14	68	25	--	--	--	--	--
GARST	84N18-3111	158	97	57	15	70	25	--	--	--	--	--
GARST	84U58-3111	169	103	56	15	68	25	--	--	--	--	--
GARST	87P52-4011	158	96	57	14	65	27	--	--	--	--	--
GARST	G14H66-GTA	162	99	57	15	68	23	--	--	--	--	--
GOLDEN ACRES	G5621	189	116	59	15	65	25	--	--	--	--	--
GOLDEN ACRES	G6641	178	109	58	15	68	23	--	--	--	--	--
LG SEEDS	LG2602VT3PRIB	161	98	58	14	70	26	--	--	--	--	--
LG SEEDS	LG2620VT3PRIB	155	95	56	14	68	23	--	--	--	--	--
LG SEEDS	LG2636VT3PRIB	170	104	57	15	68	25	--	--	--	--	--
MIDLAND	344PRW	159	97	59	15	65	25	--	--	--	--	--
MIDLAND	534PRW	179	109	56	15	65	24	--	--	--	--	--
MIDLAND	573PRW	166	101	59	15	65	22	--	--	--	--	--
MIDLAND	583PRW	177	108	58	14	65	26	--	--	--	--	--
MIDLAND	624PRW	154	94	58	17	70	26	--	--	--	--	--
MIDLAND	653PRW	195	119	58	16	65	24	--	--	--	--	--
MIDLAND	714PRW	181	110	56	15	70	25	--	--	--	--	--
NUTECH/G2 GENETICS	5H-707	--	--	--	--	--	--	110	86	59	16	18
NUTECH/G2 GENETICS	5H-903	--	--	--	--	--	--	119	93	56	15	19
NUTECH/G2 GENETICS	5H-905	--	--	--	--	--	--	112	87	57	15	18
NUTECH/G2 GENETICS	5N-9802	--	--	--	--	--	--	106	82	59	15	18
NUTECH/G2 GENETICS	5X-698	--	--	--	--	--	--	82	64	57	13	19
NUTECH/G2 GENETICS	5Z-109	--	--	--	--	--	--	146	114	60	16	20
NUTECH/G2 GENETICS	5Z-200	--	--	--	--	--	--	103	81	60	14	16
NUTECH/G2 GENETICS	5Z-709	--	--	--	--	--	--	143	112	57	16	22
PHILLIPS	795 VT2Pro	--	--	--	--	--	--	148	115	58	18	23
PHILLIPS	PSF003 VT2Pro	141	86	58	14	65	24	101	79	60	13	18
PHILLIPS	PSF053 VT2Pro	172	105	58	15	65	25	128	100	60	17	17
PHILLIPS	PSF071 VT3Pro	113	69	57	16	65	23	101	79	61	16	17
PHILLIPS	PSF082 VT3Pro	172	105	58	14	68	25	119	93	59	15	19
PHILLIPS	PSF112 VT3Pro	162	99	58	16	65	22	--	--	--	--	--
PHILLIPS	PSF121 VT3Pro	159	97	59	14	65	25	122	95	60	16	20
PHILLIPS	PSF122 VT3Pro	171	105	58	14	65	26	--	--	--	--	--
PHILLIPS	PSF141 SS	175	107	59	14	68	24	141	110	60	18	19
PIONEER	P0636HR	161	98	56	14	65	25	127	99	59	15	21
PIONEER	P1151HR	166	101	60	15	65	24	152	119	58	17	20
PIONEER	P1690AM	180	110	59	14	68	25	--	--	--	--	--
PRODUCERS	5898STXRIB	144	88	57	14	65	25	--	--	--	--	--
PRODUCERS	6108STXRIB	157	96	57	14	65	26	--	--	--	--	--
PRODUCERS	6424VT3Pro	153	93	54	14	70	24	--	--	--	--	--
PRODUCERS	7014VT3	152	93	55	14	70	24	--	--	--	--	--
PRODUCERS	7134VT3	159	97	57	15	65	25	--	--	--	--	--
PRODUCERS	7414VT3	157	96	56	14	68	25	--	--	--	--	--

TABLE 5 continued. CENTRAL KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

BRAND	NAME	BELLEVILLE, Republic County						ASSARIA, Saline County				
		YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	1000 ppa
TRIUMPH	1157S	180	110	56	14	65	25	145	113	58	15	21
TRIUMPH	1217S	149	91	57	14	65	24	158	123	58	16	21
TRIUMPH	1366S	159	97	56	15	70	23	147	114	58	17	21
	AVERAGE	164	164	57	15	67	25	128	128	59	16	19
	CV (%)	10	10	0	0	0	7	10	10	2	4	4
	LSD (0.05)	28	17	0	0	0	3	17	13	2	1	1

*Seed treatment and hybrid traits located in Table 10.

**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.

SOUTHEAST KANSAS SHORT-SEASON DRYLAND CORN TEST

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

Parsons silt loam; soybean in 2012

125 - 15 - 15 lb/a N, P, K

Planted on 5/15/2013; Harvested on 9/24/2013

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

Late planting due to wet weather; emergence in saturated soil. Late July/early August rain very beneficial to varieties.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	16.6	11.9	42	42	357	348
April	5.8	3.4	49	57	161	265
May	5.9	4.6	63	65	415	448
June	3.4	4.5	75	74	655	665
July	4.0	3.3	78	80	738	780
August	6.0	3.6	76	79	724	765
Sep.-Oct.	7.9	6.2	64	68	893	608
Totals:	49.6	37.5	56	57	3,941	3,878

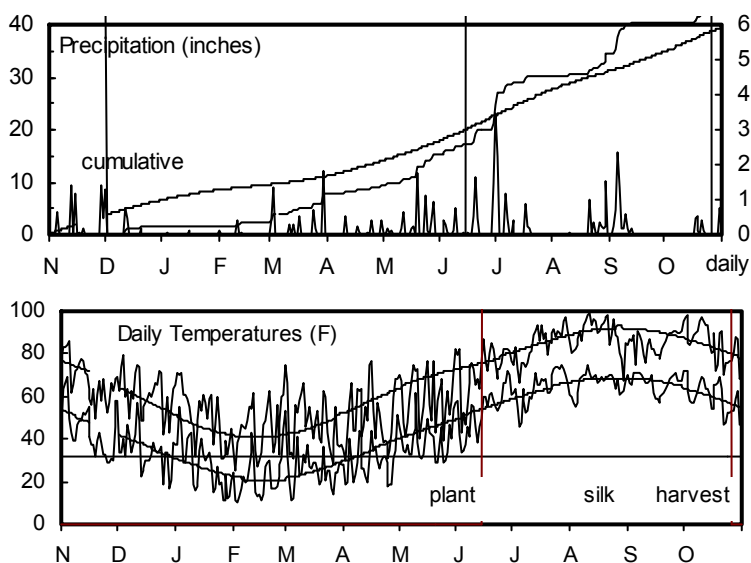


TABLE 6. KANSAS SHORT-SEASON DRYLAND CORN PERFORMANCE TEST, 2013

		PARSONS, Labette County						
BRAND	NAME	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	PHT (in)	1000 ppa
AGRIGOLD	A6252STXRIB	97	100	57	17	60	91	22
AGRIGOLD	A6267STXRIB	97	101	55	18	62	81	22
AGRIGOLD	A6358VT3PRIB	66	68	57	17	64	94	23
DEKALB	DKC52-61 GENSS	114	118	56	18	60	76	22
DEKALB	DKC61-88 GENVT3P	104	109	54	19	61	87	23
DEKALB	DKC64-69 GENVT3P	119	124	55	19	62	81	22
MIDLAND	143BLGW	75	78	57	17	58	91	24
MIDLAND	154PRW	81	84	57	17	58	83	24
MYCOGEN	2H568	85	89	56	18	60	83	23
MYCOGEN	2K595	89	92	55	18	60	82	23
MYCOGEN	2R549	54	56	56	18	60	89	22
NUTECH/G2 GENETICS	5N-9802	90	93	57	18	59	84	21
NUTECH/G2 GENETICS	5H-707	126	131	56	18	60	84	22
NUTECH/G2 GENETICS	5H-903	105	110	55	18	58	87	22
NUTECH/G2 GENETICS	5H-905	112	116	56	18	58	84	22
NUTECH/G2 GENETICS	5X-698	95	99	57	18	57	87	23
NUTECH/G2 GENETICS	5Z-109	123	128	56	18	61	90	22
NUTECH/G2 GENETICS	5Z-200	125	130	57	17	57	80	22
NUTECH/G2 GENETICS	5Z-709	115	120	55	18	62	85	23
PIONEER	P0636HR	98	102	56	18	61	91	21
PIONEER	P1151HR	120	124	55	18	61	88	22
PRODUCERS	5898STXRIB	98	102	56	18	61	83	22
PRODUCERS	6108STXRIB	109	114	55	18	61	84	23
PRODUCERS	6424VT3Pro	78	81	57	17	63	93	23
PRODUCERS	7014VT3	71	74	55	18	63	86	23
PRODUCERS	7134VT3	84	87	55	19	63	85	24
TRIUMPH	6754S	66	69	56	18	61	90	22
	AVERAGE	96	100	56	18	60	86	22
	CV (%)	9	9	0	3	1	3	4
	LSD (0.05)	12	13	0	1	1	4	1

* Seed treatment and hybrid traits located in Table 10.

** 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

Crete silt loam; soybean in 2012

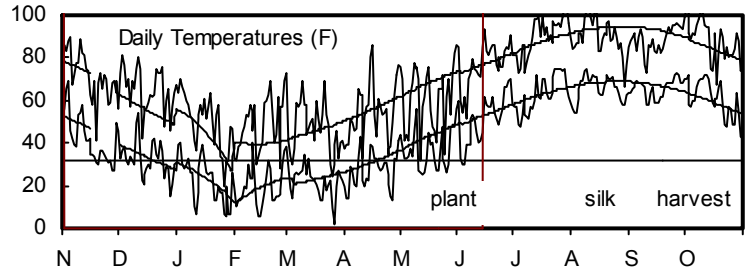
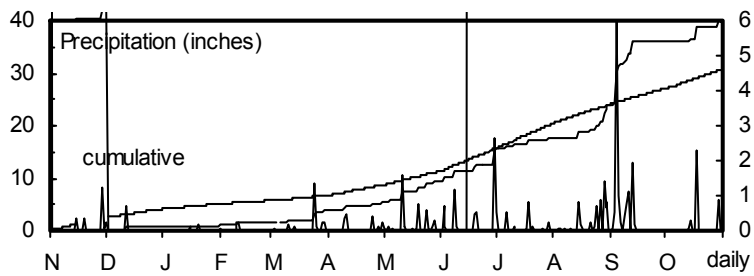
180 - 0 - 0 lb/a N, P, K

Planted on 5/15/2013; Harvested on 10/1/2013

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

Windstorm in late June caused extensive green snap.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	6.4	7.5	41	39	367	317
April	3.8	2.4	48	56	185	253
May	5.8	4.1	64	65	450	445
June	1.9	4.4	77	75	667	677
July	6.2	3.4	78	81	734	787
August	12.4	2.9	77	80	730	767
Sep.-Oct.	5.6	4.7	65	68	981	607
Totals:	42.1	29.3	56	56	4,113	3,854



Redd Research Quarter, Hutchinson; Gary Cramer, agronomist; Wendell Lilyhorn and Keith Thompson, technicians

Punkin silt loam; soybean in 2012

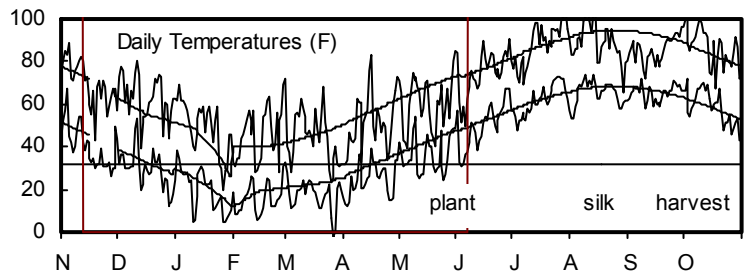
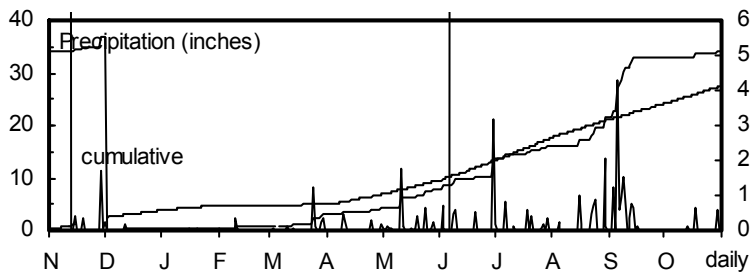
175 - 15 - 0 lb/a N, P, K

Planted on 5/7/2013; Harvested on 10/11/2013

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

Increased rainfall over the previous 2 years led to good growing conditions.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	4.6	5.6	38	39	318	324
April	3.6	2.4	48	55	164	254
May	5.6	3.6	62	65	401	427
June	2.5	4.0	76	75	638	666
July	5.6	3.2	78	81	724	779
August	11.2	2.9	76	79	706	756
Sep.-Oct.	3.9	4.3	63	67	907	586
Totals:	37.0	26.1	54	56	3,856	3,792



Justin Vosburgh Farms, Macksville; Justin Vosburgh, cooperater; Jane Lingenfelter, agronomist

Carwile fine sandy loam; soybean in 2012

180 - 15 - 0 lb/a N, P, K

Planted on 5/13/2013; Harvested on 10/1/2013

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

Wet soils at planting caused some emergence issues.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	4.0	6.0	40	41	326	350
April	2.0	1.8	49	56	195	282
May	5.1	3.2	64	66	445	464
June	1.7	3.4	77	76	669	678
July	3.8	2.7	78	79	735	772
August	6.5	2.3	77	78	717	715
Sep.-Oct.	4.5	3.4	64	66	919	545
Totals:	27.5	22.9	55	57	4,005	3,806

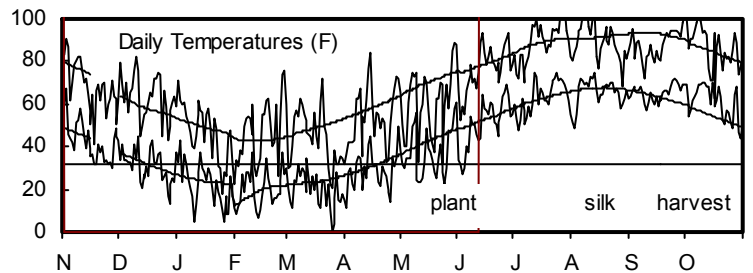
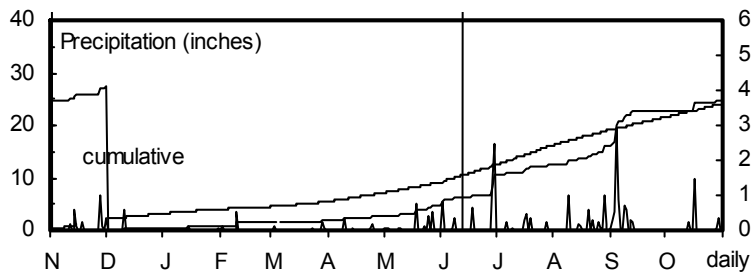


TABLE 7. SOUTH CENTRAL KANSAS IRRIGATED CORN PERFORMANCE TEST, 2013

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
AGRIGOLD	A6533VT3PRIB	--	--	--	--	--	--	--	--	--	180	92	59	13	28	
AGRIGOLD	A6553VT3PRIB	--	--	--	--	--	--	--	--	--	192	98	58	12	31	
AGRIGOLD	A6559VT2PRO	--	--	--	--	--	--	--	--	--	204	104	61	13	27	
B-H GENETICS	BH 8475SS	--	--	--	--	--	142	94	60	12	29	--	--	--	--	
B-H GENETICS	BH 8570VTTP	--	--	--	--	--	137	91	60	11	32	--	--	--	--	
B-H GENETICS	BH 8660VTTP	--	--	--	--	--	163	107	59	13	28	--	--	--	--	
B-H GENETICS	BH 8700VTTP	--	--	--	--	--	148	98	61	13	30	--	--	--	--	
B-H GENETICS	BH 8732VTTP	--	--	--	--	--	161	106	59	12	33	--	--	--	--	
B-H GENETICS	BH 8844VTTP	--	--	--	--	--	147	97	61	12	26	--	--	--	--	
B-H GENETICS	BH 8845VTTP	--	--	--	--	--	143	94	61	13	29	--	--	--	--	
B-H GENETICS	BH 8900VIP3111	--	--	--	--	--	147	97	61	14	36	--	--	--	--	
B-H GENETICS	BH 8928VTTP	--	--	--	--	--	159	105	59	13	35	--	--	--	--	
DEKALB	DKC52-61 GENSS	148	115	61	12	30	139	92	57	11	29	171	88	58	12	25
DEKALB	DKC61-88 GENVT3P	137	106	60	16	27	152	101	60	12	29	202	104	60	13	26
DEKALB	DKC64-69 GENVT3P	67	52	60	17	29	150	99	60	13	31	184	94	61	14	31
GOLDEN ACRES	G1631	138	107	62	16	26	--	--	--	--	--	--	--	--	--	--
GOLDEN ACRES	G4598	88	68	60	16	30	156	103	60	12	34	215	110	61	13	32
GOLDEN ACRES	G5531	50	38	63	17	25	144	95	61	13	30	193	99	62	15	28
GOLDEN ACRES	G6611	--	--	--	--	--	156	103	59	13	30	197	101	59	16	31
GOLDEN ACRES	G6641	109	84	60	18	28	141	93	60	12	31	187	96	60	15	26
GOLDEN ACRES	G7601	--	--	--	--	--	157	104	59	12	26	221	113	59	16	25
LG SEEDS	LG2602VT3PRIB	--	--	--	--	--	161	106	57	11	37	208	106	57	11	30
LG SEEDS	LG2636VT3PRIB	--	--	--	--	--	156	103	59	12	31	209	107	59	13	29
LG SEEDS	LG5607VT3Pro	--	--	--	--	--	156	103	60	12	33	222	114	60	14	31
LG SEEDS	LG5618STX	--	--	--	--	--	164	108	61	12	35	207	106	61	16	28
LG SEEDS	LG5630VT3PRIB	--	--	--	--	--	144	95	58	12	29	195	100	57	13	26
MIDLAND	134PR	82	63	60	13	27	133	87	58	11	30	155	80	59	12	27
MIDLAND	143BLGW	106	82	61	13	32	137	91	60	12	34	143	73	61	13	30
MIDLAND	552PRW	63	49	60	16	33	143	94	60	12	35	--	--	--	--	--
MIDLAND	573PRW	41	32	63	17	25	139	92	61	12	28	183	94	62	16	27
MIDLAND	583PRW	85	66	62	16	29	148	97	61	12	30	187	96	61	14	28
MIDLAND	622PRW	180	140	60	17	26	168	111	60	12	30	206	106	60	14	30
MIDLAND	624PRW	219	170	62	17	33	172	114	60	12	34	202	104	61	14	30
MIDLAND	653PRW	108	84	60	17	29	151	99	60	14	31	195	100	61	15	28
MIDLAND	670PRW	136	106	61	16	29	163	108	60	12	29	178	91	60	14	30
NUTECH/G2 GENETICS	3F-515	180	139	60	18	31	168	111	60	13	28	--	--	--	--	--
NUTECH/G2 GENETICS	5F-811	163	127	61	16	30	139	92	60	12	31	--	--	--	--	--
NUTECH/G2 GENETICS	5H-216	91	71	60	19	27	160	105	60	13	27	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-1008	196	152	60	15	34	158	104	58	11	33	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-109	90	70	60	15	29	155	102	60	12	33	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-113	158	122	61	17	26	131	87	61	12	27	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-1205	136	105	61	16	33	145	96	61	13	33	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-1505	134	104	58	17	31	144	95	58	12	30	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-612	58	45	60	16	27	151	100	61	12	32	--	--	--	--	--
NUTECH/G2 GENETICS	5Z-709	116	90	59	15	33	158	104	59	11	35	--	--	--	--	--
PHILLIPS	709 VT3Pro	--	--	--	--	--	159	105	59	12	31	--	--	--	--	--
PHILLIPS	PSF112 VT3Pro	154	120	60	16	26	136	90	60	12	26	194	99	60	14	30
PHILLIPS	PSF121 VT3Pro	71	55	61	16	30	143	95	60	12	33	177	90	61	13	29
PHILLIPS	PSF122 VT3Pro	123	95	60	16	35	146	96	60	12	33	186	96	60	14	31
PHILLIPS	PSF141 SS	105	81	61	16	29	144	95	61	13	32	208	107	62	16	27
PHILLIPS	PSF143 VT2Pro	126	98	60	17	28	153	101	61	13	28	191	98	61	15	28
PHILLIPS	PSF163 VT2Pro	149	116	59	17	27	162	107	60	12	26	184	94	60	15	28
PIONEER	P0636HR	135	105	60	14	33	154	102	59	12	33	212	108	59	13	35
PIONEER	P1151HR	159	123	60	16	30	149	99	60	11	30	210	107	60	15	30
PIONEER	P1690AM	191	148	61	16	27	173	114	60	13	27	229	117	62	16	27

TABLE 7 continued. SOUTH CENTRAL KANSAS IRRIGATED CORN PERFORMANCE TEST, 2013

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
PRODUCERS	6884VT3Pro	--	--	--	--	--	--	--	--	--	163	83	59	12	32	
PRODUCERS	7014VT3	--	--	--	--	--	--	--	--	--	202	103	58	11	28	
PRODUCERS	7224VT3Pro	--	--	--	--	--	--	--	--	--	177	91	57	12	29	
PRODUCERS	7394VT3	--	--	--	--	--	--	--	--	--	197	101	59	12	28	
PRODUCERS	7414VT3	--	--	--	--	--	--	--	--	--	202	104	58	12	30	
PRODUCERS	7574VT3Pro	--	--	--	--	--	--	--	--	--	200	102	59	13	28	
PRODUCERS	7624VT3	--	--	--	--	--	--	--	--	--	203	104	59	15	32	
STINE	9728EVT3PRO	--	--	--	--	--	145	96	58	12	29	--	--	--	--	
STINE	9739VT3PRO	--	--	--	--	--	149	98	55	13	30	--	--	--	--	
TRIUMPH	1217S	203	158	60	16	32	159	105	59	11	28	219	112	60	14	28
TRIUMPH	1329S	--	--	--	--	--	146	96	58	12	29	--	--	--	--	
TRIUMPH	1366S	218	169	58	16	30	170	112	59	12	31	205	105	58	16	28
TRIUMPH	1725H	187	145	57	18	27	161	106	59	14	30	207	106	58	17	27
TRIUMPH	TRX31375S	--	--	--	--	--	--	--	--	--	--	188	96	59	14	30
	AVERAGE	129	100	60	16	29	152	152	60	12	31	195	195	60	14	29
	CV (%)	11	11	2	4	3	9	9	1	6	0	8	8	1	3	5
	LSD (0.05)	20	15	1	1	1	18	12	1	1	0	23	12	1	1	2

*Seed treatment and hybrid traits located in Table 10.

**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 DRYLAND CORN TEST

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

Keith silt loam; wheat in 2012

140 - 0 - 0 lb/a N, P, K

Planted on 5/6/2013; Harvested on 10/3/2013

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

Good emergence with some rodent damage.

Hailstorm on 7/31/13.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.0	3.6	39	36	398	255
April	0.3	1.5	46	50	209	200
May	1.3	2.7	63	61	442	362
June	1.8	2.8	77	72	640	594
July	2.2	2.3	79	78	729	719
August	4.1	2.1	76	76	684	699
Sep.-Oct.	2.7	2.1	63	64	898	508
Totals:	17.4	17.1	54	53	3,998	3,337

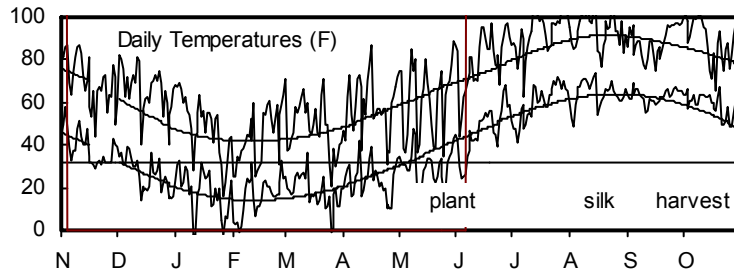
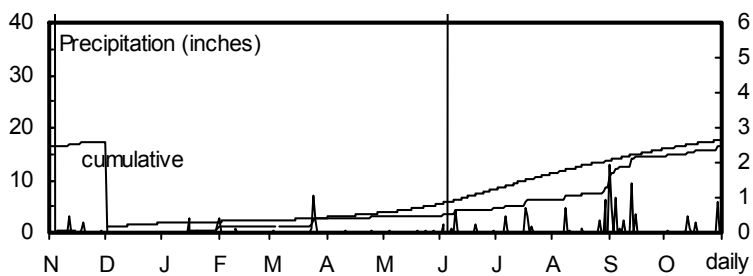


TABLE 8. WESTERN KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

		GARDEN CITY, Finney County					
BRAND	NAME	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	DAYS (silk)	1000 ppa
B-H GENETICS	BH 8475SS	26	129	56	22	84	13
B-H GENETICS	BH 8550VT2P	15	72	54	22	85	16
B-H GENETICS	BH 8844VTTP	18	86	57	20	85	16
B-H GENETICS	XP 8525GT	17	82	53	23	86	14
DEKALB	DKC52-61 GENSS	27	133	56	18	80	15
DEKALB	DKC61-88 GENVT3P	26	127	55	21	85	15
DEKALB	DKC64-69 GENVT3P	32	155	54	21	85	14
MIDLAND	134PR	21	102	55	13	80	14
MIDLAND	143BLGW	9	44	55	20	87	16
MIDLAND	573PRW	13	63	55	22	85	13
MIDLAND	583PRW	24	117	57	21	85	16
MIDLAND	622PRW	23	110	55	22	84	16
MIDLAND	624PRW	35	170	55	20	84	14
MIDLAND	653PRW	22	106	56	22	82	15
MIDLAND	670PRW	16	80	55	21	84	13
PIONEER	P0636HR	11	54	55	20	85	14
PIONEER	P1151HR	12	57	56	18	87	15
PIONEER	P1690AM	23	113	54	21	87	15
	AVERAGE	21	21	55	20	84	15
	CV (%)	13	13	1	4	4	17
	LSD (0.05)	4	18	1	1	5	3

Hays, Ellis County abandoned; extreme drought conditions.

Colby, Thomas County abandoned; extreme drought conditions.

* Seed treatment and hybrid traits located in Table 10.

** 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; sorghum in 2012

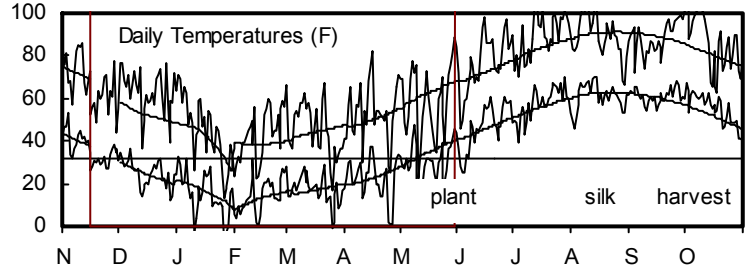
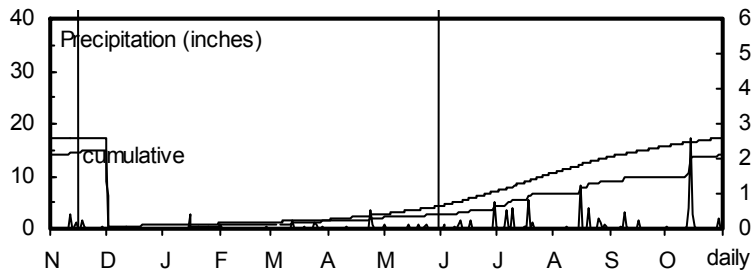
230 - 55 - 0 lb/a N, P, K

Planted on 4/30/2013; Harvested on 10/15/2013

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

Good stands were established and growing conditions were normal. Test was sprayed twice for spider mites.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	2.4	3.3	36	34	307	206
April	0.4	1.3	44	49	166	175
May	1.6	2.7	62	59	412	327
June	2.3	3.2	74	70	596	553
July	2.5	2.9	76	76	659	701
August	0.9	1.9	75	74	653	669
Sep.-Oct.	5.0	1.7	60	62	781	462
Totals:	15.0	17.2	52	51	3,574	3,093



Southwest Research-Extension Center, Tribune; Alan Schlegel, agronomist; Dewayne Bond, technician

Ulysses silt loam; fallow in 2012

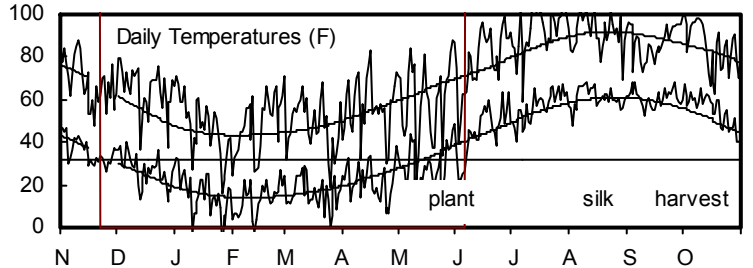
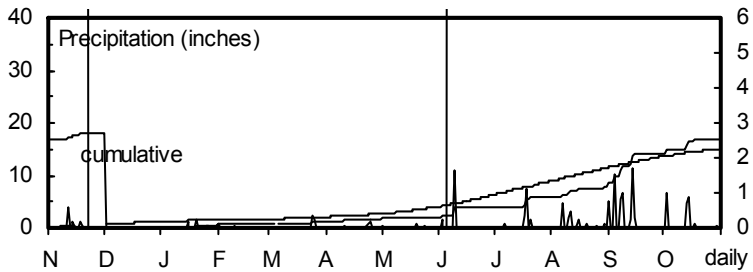
240 - 35 - 0 lb/a N, P, K

Planted on 5/6/2013; Harvested on 10/21/2013

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

Dry in the spring and early summer, but conditions improved after the first of August.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	3.6	2.8	38	36	366	261
April	0.2	1.2	44	49	194	207
May	1.9	2.2	62	59	419	356
June	1.8	2.4	75	70	593	544
July	2.0	2.4	77	76	670	674
August	5.6	2.1	74	74	644	653
Sep.-Oct.	2.9	1.6	60	63	808	483
Totals:	18.0	14.7	53	52	3,692	3,177



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

Keith silt loam; wheat in 2012

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

Planted on 5/6/2013; Harvested on 10/3/2013

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

Hailstorm on 7/31/13 affected grain filling.

Month	Precipitation		Average Temp.		GDU	
	2013	Norm.	2013	Norm.	2013	Norm.
Nov.-Mar.	5.0	3.6	39	36	398	255
April	0.3	1.5	46	50	209	200
May	1.3	2.7	63	61	442	362
June	1.8	2.8	77	72	640	594
July	2.2	2.3	79	78	729	719
August	4.1	2.1	76	76	684	699
Sep.-Oct.	2.7	2.1	63	64	898	508
Totals:	17.4	17.1	54	53	3,998	3,337

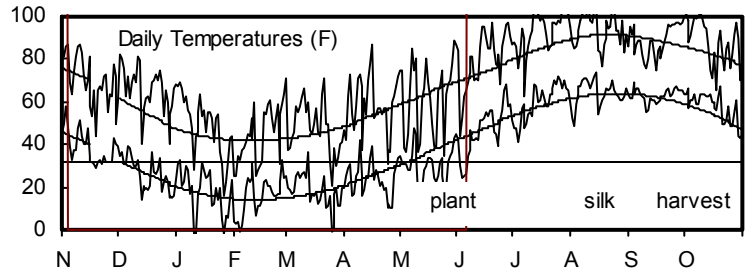
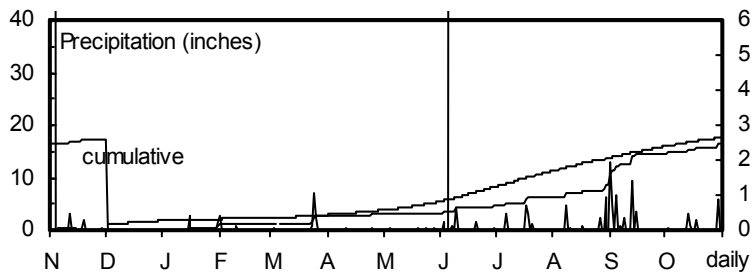


Table 10. Entries in the 2013 Kansas Corn Performance Tests*

	SD TRT*	GDD	DBL	RES	P	F		SD TRT	GDD	DBL	RES	P	F
AGRIGOLD							GOLDEN ACRES						
A6553VT3PRIB	--	2765	--	RR/CB/RW	--	Y	G6641	P500	2670	116	VT3P	N	Y
A6252STXRIB	AC/V	2340	100	RR,CB,RW	--	Y	G7601	AC1250	2700	117	VT3P	N	Y
A6267STXRIB	AC/V	2430	102	RR,CB,RW	--	Y	INTEGRITY						
A6358VT3PRIB	AC/V	2586	105	RR,CB,RW	--	Y	7752	P500, Max	--	--	--	--	--
A6408VT3PRIB	AC/V	2671	107	RR,CB,RW	--	Y	7854	P500, Max	--	--	--	--	--
A6458VT3PRIB	--	2660	110	RR/CB/RW	--	Y	KRUGER						
A6486VT2PRIB	AC/V	2725	111	RR,CB	--	Y	KR-7913	P500	1380	2825	RR, RW,CB	N	Y
A6499VT3PRO	AC/V	2700	112	RR,CB,RW	--	Y	KR-4615	P500	1394	2875	RR/CB	N	Y
A6517VT3PRIB	P500, Vot	2765	113	RR	--	Y	KR-9315	P500	1394	2875	RR/LL/RW/CB	N	Y
A6559VT2PRO	AC/V	2765	113	RR,CB	--	Y	LG SEEDS						
A6533VT3PRIB	--	2780	113	RR/CB/RW	--	Y	LG5470STXRIB	P/V	2450	97	STXRIB	--	Y
A6573VT3PRIB	P500, Vot	2793	114	RR	--	Y	LG5499STXRIB	P/V	2490	100	STXRIB	--	Y
B-H GENETICS							LG5522VT3PRIB	P500/Vot	2525	103	VT3	--	Y
XP 7810VTTP	A500	--	108	VTTP	--	--	LG2552VT3PRIB	P500/Vot	2625	110	VT2PRO	--	Y
XP 7825VTTP	A500	--	108	VTTP	--	--	LG2620VT3PRIB	P500/Vot	2620	112	VT3	N	Y
BH 8475SS	A500	--	113	SS	--	--	LG2602VT3PRIB	P500/Vot	2700	112	VT3PRO	--	Y
BH 8570VTTP	A500	--	113	VTTP	--	--	LG5618STX	P/V	2720	112	STXRIB	--	Y
BH 8550VT2P	A1250	--	114	VT2P	--	--	LG5607VT3Pro	P/V	2795	112	VT3PRIB	--	Y
XP 8525GT	C500	--	114	GT	--	--	LG5630VT3PRIB	P500/Vot	2715	114	VT3PRO	--	Y
BH 8700VTTP	C500	--	115	VTTP	--	--	LG2636VT3PRIB	P500/Vot	2750	114	VT3PRO	--	Y
BH 8660VTTP	A500	--	116	VTTP	--	--	LG2642VT3PRIB	P500/Vot	2700	115	VT3	N	N
BH 8732VTTP	A500	--	116	VTTP	--	--	MIDLAND						
BH 8844VTTP	A500	--	117	VTTP	--	--	134PR	C250	--	101	VT3Pro	Y	Y
BH 8845VTTP	A500	--	117	VTTP	--	--	143BLGW	C250	--	101	CBLLGTRW	Y	Y
BH 8900VIP3111	C500	--	118	VIP3111	--	--	154PRW	C250	--	102	VT3Pro	Y	Y
BH 8928VTTP	A500	--	119	VTTP	--	--	344PRW	C250	--	108	VT3Pro	Y	Y
DEKALB							534PRW	C250	--	112	VT3Pro	Y	Y
DKC52-61 GENSS	--	--	99	--	--	--	552PRW	C250	--	112	VT3PR	Y	Y
DKC61-88 GENVT3	A500 P/V	2775	111	VT3P	--	Y	573PRW	C250	--	112	VT3Pro	Y	Y
DKC64-69 GENVT3	A500 P/V	2850	114	GENVT3P	Y	Y	583PRW	C250	--	112	VT3Pro	Y	Y
GARST							622PRW	C250	--	113	VT3PR	Y	Y
84N18-3111	--	--	--	--	--	--	653PRW	C250	--	113	VT3Pro	Y	Y
87P52-4011	C	2460	101	GT,CB,LL,RW	Y	SF	624PRW	C250	--	114	VT3Pro	Y	Y
G08X83-3110	C	2575	108	GT,CB,LL	Y	SD	670PRW	C250	--	114	VT3PR	Y	Y
84U58-3111	--	2580	110	LL,RR,CB,RW	Y	Y	714PRW	C250	--	115	VT3Pro	Y	Y
83R38-3000GT	--	2600	113	LL,RR,CB,RW	Y	Y	MYCOGEN						
83S06-3111	C	2610	113	GT,CB,LL,RW	Y	Y	2H568	C250	2495	104	SSX RA	N	S
83E90-3111	--	2630	113	CBGTLRW	Y	Y	2R549	C250	2535	104	SSX RA	N	S
G14H66-GTA	C	2660	114	GT	Y	SF	2K595	C250	2620	105	SSX RA	N	S
82K01-3111	--	2650	116	LL,RR,CB,RW	Y	Y	2V709	C250	2725	110	SSX RA	N	S
GOLDEN ACRES							2V717	C250	2740	111	SSX RA	N	Y
G1631	AC1250	2500	111	VT3P	N	Y	2V779	C250	2740	113	SSX RA	N	S
G4598	P250	2550	113	VT3P	N	Y	2K757	C250	2760	113	HXXTR	N	Y
G5531	P250	2650	115	VT3P	N	Y	2Y767	C250	2745	114	SSX RA	N	Y
G5621	P500	2660	115	VT3P	N	Y	2C788	C250	2770	114	SSX RA	N	S
G6611	P500	2670	116	VT3P	N	Y	2Y816	C250	--	116	H1RR	N	Y

Table 10 continued. Entries in the 2013 Kansas Corn Performance Tests

SD TRT* GDD DBL RES P F							SD TRT GDD DBL RES P F						
NUTECH							STEYER						
5N-9802	Maxim Q	2450	--	CB,RW	N	N	X31111TM GENSS CE	2620	111	CB,CEW,FAWN	N	Y	
NUTECH/G2 GENETICS							X31121TM VT2PRO CE 2650 112 CB,CEW,FA N Y						
3F-515	Maxim Q	--	--	HX1/RR2/LL	N	N	11208 VT3PRORIB CE	2670	112	CB,CEW,FA	N	Y	
5H-905	Maxim Q	--	--	HX1/RR2/LL	N	N	11406 GENSSRIBC CE	2820	114	CEW,FAW	N	Y	
5X-698	MQ	2440	--	CB,RW	N	N	STINE						
5Z-200	P/V	2460	--	C	N	N	9631VT3PRO	--	2525	109	RR	N	Y
5H-707	P/V	2570	--	CB	N	Y	9728EVT3PRO	--	2510	110	RR	N	Y
5Z-109	P/V	2620	--	CB	N	N	9732VT3PRO	--	2585	111	RR	N	Y
5Z-709	P/V	2640	--	CB	N	N	9733EVT3PRO	--	2600	113	RR	N	Y
5Z-1008	P/V	2670	--	CB	N	Y	9739VT3PRO	--	2685	114	RR	N	Y
5F-811	Maxim Q	2680	--	CB	N	Y	9808EVT3PRO	--	2690	115	RR	N	Y
5Z-1205	P/V	2700	--	CB	N	Y	TRIUMPH						
5Z-612	P/V	2720	--	CB	N	Y	1157S	--	--	--	--	--	--
5Z-113	P/V	2730	--	CB	N	Y	1217S	--	--	--	CB	--	--
5Z-1505	P/V	2750	--	CB	N	Y	1329S	--	--	--	--	--	--
5H-216	P/V	2780	--	CB	N	Y	1366S	--	--	--	--	--	--
5H-903	--	--	103	HX1/RR	N	N	1725H	--	--	--	--	--	--
PHILLIPS							6754S						
709 VT3Pro	--	--	--	--	--	--	TRX21354R2	--	--	--	--	--	--
PSF003 VT2Pro	Acc	--	100	CB	--	--	TRX31375S	--	--	--	--	--	--
PSF053 VT2Pro	Acc	--	105	CB	--	--							
PSF071 VT3Pro	Acc	2628	107	VT3P	--	Y							
PSF082 VT3Pro	Acc	2766	108	VT3P	--	Y							
PSF112 VT3Pro	Acc	2737	111	VT3P	--	Y							
795 VT2Pro	--	2820	111	VT3	Y	Y							
PSF122 VT3Pro	Acc	2662	112	VT3P	--	N							
PSF121 VT3Pro	Acc	2754	112	VT3P	--	Y							
PSF141 SS	Acc	2825	114	VT3P	--	Y							
PSF143 VT2Pro	Acc	2850	114	CB	--	--							
PSF163 VT2Pro	Acc	2875	116	CB	--	--							
PIONEER													
P0636HR	--	--	106	--	--	--							
P1151HR	--	--	111	--	--	--							
P1690 AM	--	--	116	--	--	--							
PRODUCERS													
7394VT3	Vot	--	--	RR,CB,RW	--	Y							
7414VT3	Vot	--	--	RR,CB,RW	--	Y							
7624VT3	Vot	--	--	RR,CB,RW	--	Y							
7134VT3	--	2575	--	RR,Bt,RW	--	Y							
5898STXRIB	Vot	2435	98	VT3PRIB	Y	N							
6108STXRIB	Vot	2470	101	VT3PRIB	Y	N							
6424VT3Pro	Vot	2512	104	VT3PRO	Y	Y							
6884VT3Pro	Vot	2535	108	VT3PRO	Y	Y							
7014VT3	Vot	--	110	VT3	Y	Y							
7224VT3Pro	Vot	2610	112	VT3	Y	Y							
7574VT3Pro	Vot	2700	115	VT3	Y	Y							

*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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