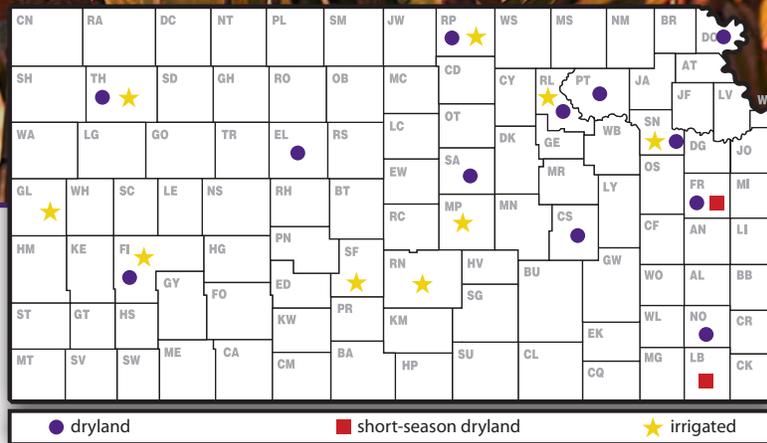


2013 Kansas Performance Tests with

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)

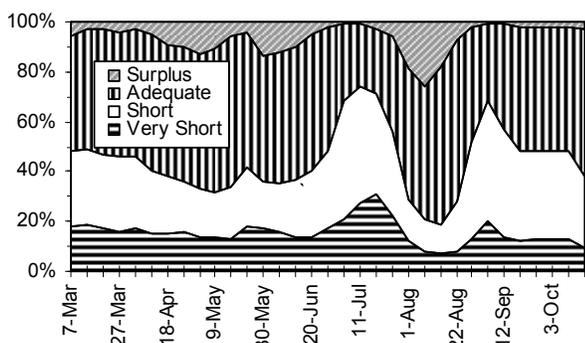


Figure 1. Statewide status of topsoil moisture

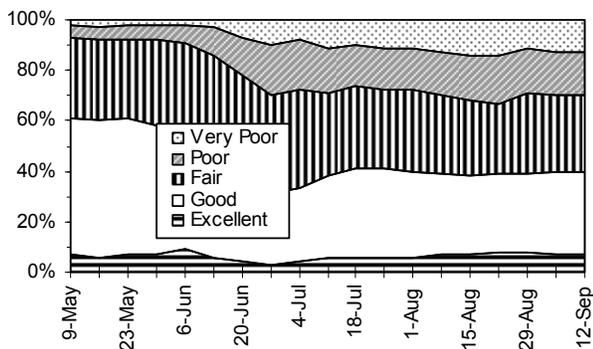


Figure 2. Condition of 2013 Kansas corn crop

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 Lingenfelser, agronomist

Reading silt loam; soybean in 2012

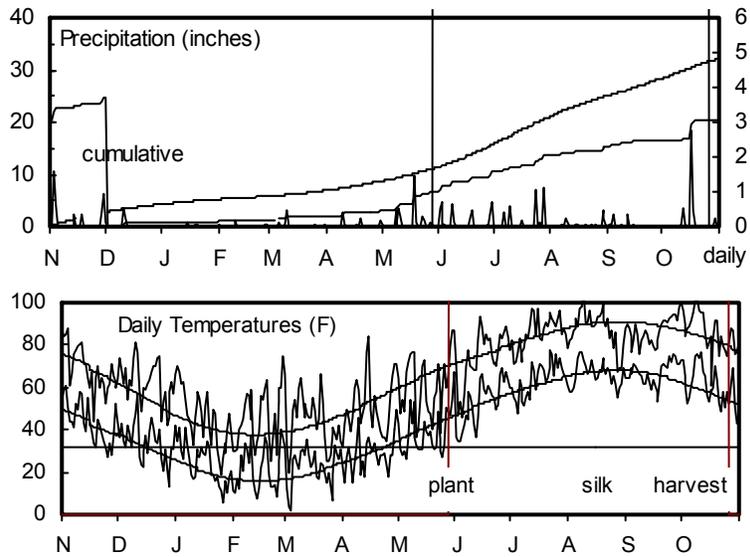
150 - 0 - 0 lb/a N, P, K

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 Lingenfelser, agronomist

Ulysses silt loam; soybean in 2012

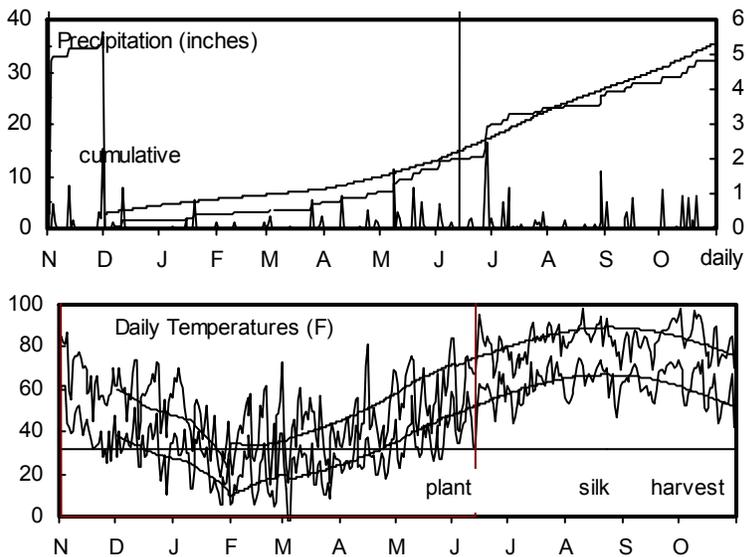
160 - 15 - 0 lb/a N, P, K

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 Lingenfelser, 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 |

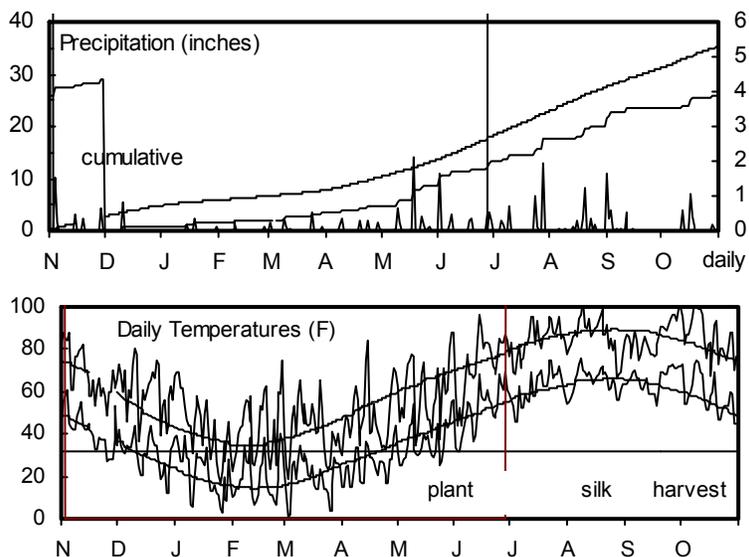


TABLE 2. NORTHEAST KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

| BRAND | NAME | MANHATTAN, Riley County | | | | | SEVERANCE, Doniphan County | | | | | Onaga, Pottawatomie 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 (%) |
| AGRIGOLD | A6458VT3PRIB | -- | -- | -- | -- | -- | 218 | 100 | 55 | 18 | 68 | 29 | 137 | 90 | 58 | 16 | 25 |
| AGRIGOLD | A6517VT3PRIB | 180 | 98 | 55 | 18 | 76 | 220 | 100 | 54 | 20 | 69 | 28 | 146 | 96 | 57 | 17 | 25 |
| AGRIGOLD | A6533VT3PRIB | 183 | 99 | 56 | 17 | 75 | 216 | 99 | 55 | 20 | 68 | 31 | 144 | 94 | 58 | 16 | 25 |
| AGRIGOLD | A6553VT3PRIB | 185 | 100 | 55 | 18 | 74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| DEKALB | DKC52-61 GENSS | 159 | 86 | 57 | 14 | 74 | 196 | 90 | 58 | 16 | 67 | 31 | 162 | 106 | 58 | 14 | 24 |
| DEKALB | DKC61-88 GENVT3P | 194 | 105 | 57 | 17 | 75 | 222 | 102 | 58 | 19 | 66 | 21 | 154 | 101 | 59 | 17 | 23 |
| DEKALB | DKC64-69 GENVT3P | 200 | 108 | 58 | 18 | 76 | 225 | 103 | 58 | 20 | 67 | 31 | 158 | 103 | 58 | 18 | 26 |
| GOLDEN ACRES | G4598 | 206 | 112 | 58 | 17 | 74 | 234 | 107 | 56 | 20 | 67 | 31 | 166 | 108 | 59 | 17 | 26 |
| GOLDEN ACRES | G5531 | 189 | 102 | 58 | 19 | 74 | 217 | 99 | 57 | 21 | 68 | 27 | 152 | 99 | 60 | 18 | 23 |
| GOLDEN ACRES | G5621 | 194 | 105 | 57 | 19 | 73 | -- | -- | -- | -- | -- | -- | 163 | 107 | 57 | 19 | 25 |
| LG SEEDS | LG2602VT3PRIB | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 147 | 96 | 57 | 17 | 26 |
| LG SEEDS | LG2636VT3PRIB | 187 | 101 | 56 | 17 | 74 | 208 | 95 | 55 | 20 | 68 | 30 | -- | -- | -- | -- | -- |
| LG SEEDS | LG5618STX | 193 | 104 | 57 | 20 | 74 | 227 | 104 | 57 | 21 | 68 | 31 | -- | -- | -- | -- | -- |
| LG SEEDS | LG5630VT3PRIB | -- | -- | -- | -- | -- | 220 | 101 | 53 | 21 | 68 | 32 | 138 | 90 | 56 | 17 | 24 |
| MIDLAND | 344PRW | 177 | 96 | 58 | 16 | 74 | 208 | 95 | 58 | 18 | 67 | 29 | 154 | 100 | 59 | 16 | 24 |
| MIDLAND | 534PRW | 196 | 106 | 58 | 17 | 74 | 230 | 105 | 58 | 19 | 68 | 29 | 155 | 101 | 59 | 17 | 24 |
| MIDLAND | 552PRW | 188 | 102 | 57 | 17 | 74 | -- | -- | -- | -- | -- | -- | 140 | 91 | 58 | 17 | 26 |
| MIDLAND | 573PRW | 189 | 102 | 58 | 19 | 74 | 214 | 98 | 57 | 20 | 67 | 26 | 143 | 93 | 60 | 17 | 20 |
| MIDLAND | 583PRW | 182 | 99 | 58 | 18 | 75 | 223 | 102 | 57 | 20 | 67 | 33 | 162 | 106 | 59 | 18 | 26 |
| MIDLAND | 622PRW | -- | -- | -- | -- | -- | 225 | 103 | 56 | 20 | 68 | 27 | -- | -- | -- | -- | -- |
| MIDLAND | 624PRW | -- | -- | -- | -- | -- | 258 | 118 | 56 | 22 | 68 | 33 | -- | -- | -- | -- | -- |
| MIDLAND | 653PRW | 193 | 104 | 57 | 19 | 73 | 224 | 103 | 55 | 21 | 67 | 33 | 162 | 106 | 56 | 19 | 25 |
| MIDLAND | 714PRW | 191 | 104 | 55 | 21 | 76 | 237 | 108 | 55 | 23 | 68 | 29 | 156 | 102 | 57 | 19 | 27 |
| NUTECH/G2 GENETICS | 3F-515 | 191 | 104 | 58 | 19 | 76 | 218 | 99 | 57 | 21 | 68 | 31 | 148 | 97 | 57 | 19 | 25 |
| NUTECH/G2 GENETICS | 5F-811 | 172 | 94 | 58 | 17 | 75 | 228 | 104 | 58 | 21 | 68 | 29 | 155 | 101 | 59 | 17 | 25 |
| NUTECH/G2 GENETICS | 5H-216 | 192 | 104 | 57 | 19 | 76 | 240 | 109 | 56 | 22 | 67 | 31 | 121 | 79 | 58 | 18 | 25 |
| NUTECH/G2 GENETICS | 5H-707 | 152 | 82 | 57 | 15 | 76 | 200 | 91 | 57 | 17 | 68 | 30 | 153 | 100 | 58 | 14 | 24 |
| NUTECH/G2 GENETICS | 5H-905 | 181 | 98 | 57 | 15 | 73 | 208 | 95 | 56 | 16 | 67 | 29 | 165 | 108 | 57 | 13 | 24 |
| NUTECH/G2 GENETICS | 5Z-109 | 180 | 98 | 59 | 17 | 74 | 209 | 95 | 59 | 18 | 68 | 29 | 179 | 117 | 60 | 16 | 25 |
| NUTECH/G2 GENETICS | 5Z-113 | 185 | 101 | 59 | 18 | 74 | 208 | 95 | 58 | 20 | 68 | 26 | 174 | 113 | 61 | 16 | 23 |
| NUTECH/G2 GENETICS | 5Z-1205 | 167 | 91 | 60 | 17 | 76 | 196 | 90 | 59 | 20 | 67 | 29 | 154 | 101 | 61 | 17 | 28 |
| NUTECH/G2 GENETICS | 5Z-1505 | 171 | 93 | 54 | 18 | 76 | 200 | 91 | 54 | 22 | 68 | 28 | 146 | 96 | 55 | 18 | 29 |
| NUTECH/G2 GENETICS | 5Z-709 | 190 | 103 | 56 | 16 | 74 | 216 | 99 | 56 | 19 | 68 | 32 | 177 | 116 | 58 | 15 | 26 |
| PHILLIPS | PSF003 VT2Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 147 | 96 | 60 | 15 | 24 |
| PHILLIPS | PSF053 VT2Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 159 | 104 | 58 | 16 | 27 |
| PHILLIPS | PSF082 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 150 | 98 | 58 | 16 | 23 |
| PHILLIPS | PSF112 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 148 | 97 | 60 | 16 | 21 |
| PHILLIPS | PSF121 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 143 | 93 | 59 | 17 | 27 |
| PHILLIPS | PSF122 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 125 | 81 | 57 | 20 | 28 |
| PHILLIPS | PSF141 SS | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 145 | 95 | 60 | 18 | 25 |
| PIONEER | P0636HR | 169 | 92 | 57 | 15 | 74 | 204 | 93 | 57 | 17 | 67 | 32 | 166 | 109 | 58 | 15 | 29 |
| PIONEER | P1151HR | 177 | 96 | 57 | 17 | 74 | 218 | 100 | 57 | 20 | 69 | 28 | 173 | 113 | 59 | 16 | 25 |
| PIONEER | P1690AM | 196 | 106 | 58 | 18 | 76 | 244 | 111 | 57 | 22 | 69 | 29 | 162 | 106 | 58 | 19 | 23 |
| STEYER | 11208 VT3PRORIBC | 175 | 95 | 58 | 17 | 76 | 206 | 94 | 58 | 20 | 68 | 31 | 156 | 102 | 60 | 17 | 25 |
| STEYER | 11406 GENSSRIBC | 185 | 100 | 58 | 20 | 74 | 235 | 107 | 58 | 22 | 68 | 29 | 129 | 84 | 60 | 19 | 23 |
| STEYER | X31111TM GENSSRIBC | 187 | 102 | 58 | 18 | 76 | 221 | 101 | 56 | 20 | 67 | 29 | 148 | 96 | 59 | 16 | 23 |
| STEYER | X31121TM VT2PRORIBC | 182 | 99 | 58 | 18 | 72 | 210 | 96 | 57 | 20 | 68 | 26 | 166 | 108 | 59 | 17 | 23 |
| TRIUMPH | 1217S | 181 | 98 | 57 | 17 | 76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| TRIUMPH | 1366S | 189 | 102 | 55 | 19 | 76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | AVERAGE | 184 | 100 | 57 | 18 | 75 | 219 | 100 | 57 | 20 | 68 | 29 | 153 | 100 | 58 | 17 | 25 |
| | CV (%) | 6 | 6 | 1 | 3 | 1 | 7 | 7 | 1 | 3 | 2 | 6 | 7 | 7 | 1 | 3 | 3 |
| | LSD (0.05) | 15 | 8 | 1 | 1 | 1 | 23 | 10 | 1 | 1 | 1 | 2 | 15 | 10 | 1 | 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.

NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN TESTS

Ashland Bottoms Research Center, Manhattan; Jane Lingenfelter, agronomist

Sandy loam; soybean in 2012

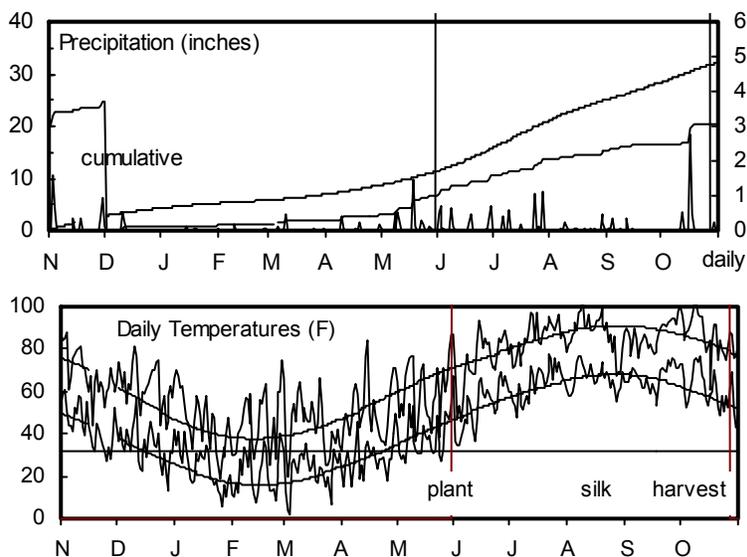
180 - 0 - 0 lb/a N, P, K

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

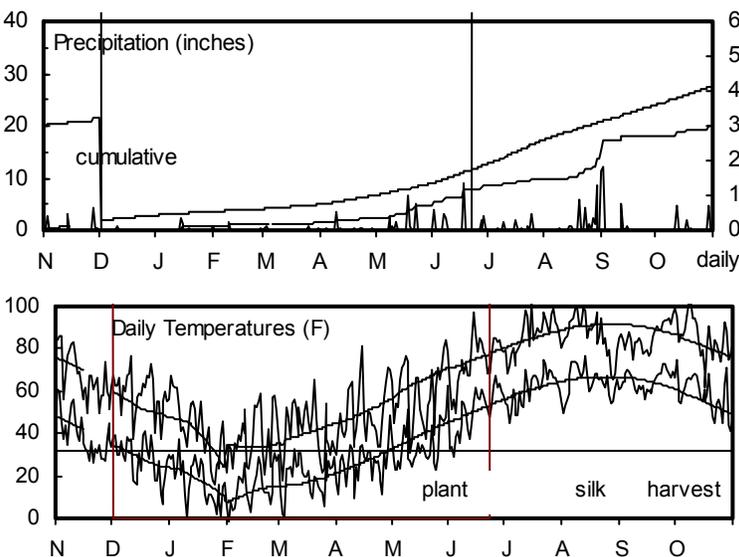
200 - 0 - 0 lb/a N, P, K

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 |

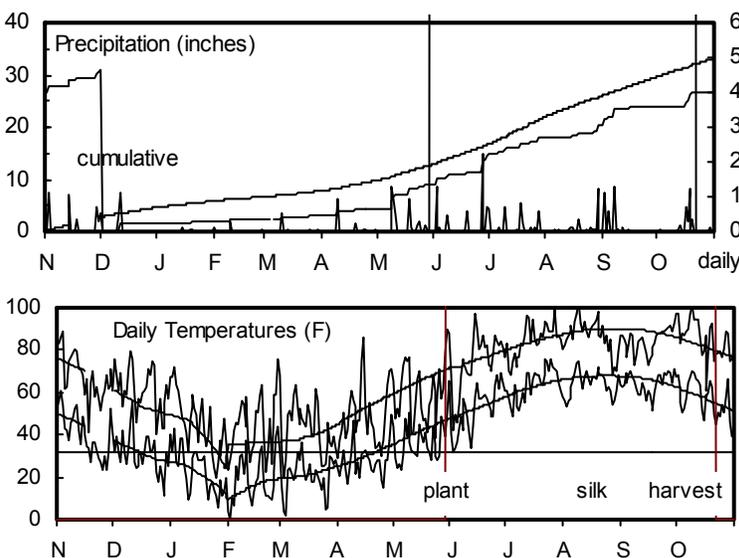


TABLE 3. NORTHEAST KANSAS SPRINKLER-IRRIGATED CORN PERFORMANCE TEST, 2013

| 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 (%) | 1000 ppa | YIELD (bu/a) | PAVG (%) | TW (lb/bu) | MOIST (%) | DAYS (silk) | 1000 ppa | |
| AGRIGOLD | A6499VT3PRO | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 261 | 110 | 59 | 18 | 68 | 26 | | |
| AGRIGOLD | A6517VT3PRIB | 214 | 100 | 54 | 19 | 75 | 28 | 217 | 100 | 57 | 15 | 33 | -- | -- | -- | -- | -- | | |
| AGRIGOLD | A6553VT3PRIB | 183 | 86 | 54 | 20 | 73 | 30 | 225 | 103 | 58 | 15 | 35 | 249 | 105 | 55 | 19 | 69 | 27 | |
| AGRIGOLD | A6573VT3PRIB | 190 | 89 | 55 | 18 | 75 | 31 | 217 | 100 | 57 | 15 | 36 | 233 | 98 | 56 | 18 | 70 | 26 | |
| DEKALB | DKC52-61 GENSS | 191 | 89 | 56 | 14 | 75 | 30 | 189 | 86 | 58 | 15 | 34 | 196 | 82 | 58 | 16 | 69 | 28 | |
| DEKALB | DKC61-88 GENVT3P | 220 | 103 | 57 | 17 | 73 | 27 | 218 | 100 | 59 | 15 | 34 | 251 | 105 | 58 | 18 | 69 | 28 | |
| DEKALB | DKC64-69 GENVT3P | 236 | 110 | 57 | 19 | 73 | 29 | 217 | 99 | 60 | 16 | 36 | 274 | 115 | 57 | 18 | 70 | 26 | |
| GARST | 82K01-3111 | -- | -- | -- | -- | -- | -- | 233 | 107 | 58 | 16 | -- | -- | -- | -- | -- | -- | | |
| GARST | 83R38-3000GT | -- | -- | -- | -- | -- | -- | 213 | 98 | 59 | 16 | -- | -- | -- | -- | -- | -- | | |
| GARST | 83S06-3111 | -- | -- | -- | -- | -- | -- | 213 | 97 | 56 | 15 | -- | -- | -- | -- | -- | -- | | |
| GARST | 84N18-3111 | -- | -- | -- | -- | -- | -- | 211 | 97 | 57 | 15 | -- | -- | -- | -- | -- | -- | | |
| GARST | 84U58-3111 | -- | -- | -- | -- | -- | -- | 208 | 95 | 57 | 15 | -- | -- | -- | -- | -- | -- | | |
| GARST | G08X83-3110 | -- | -- | -- | -- | -- | -- | 217 | 99 | 60 | 16 | -- | -- | -- | -- | -- | -- | | |
| GARST | G14H66-GTA | -- | -- | -- | -- | -- | -- | 181 | 83 | 59 | 16 | -- | -- | -- | -- | -- | -- | | |
| KRUGER | KR-4615 | -- | -- | -- | -- | -- | -- | 223 | 102 | 60 | 15 | 36 | -- | -- | -- | -- | -- | | |
| KRUGER | KR-7913 | -- | -- | -- | -- | -- | -- | 228 | 104 | 59 | 15 | 33 | -- | -- | -- | -- | -- | | |
| KRUGER | KR-9315 | -- | -- | -- | -- | -- | -- | 231 | 106 | 61 | 16 | 35 | -- | -- | -- | -- | -- | | |
| LG SEEDS | LG2602VT3PRIB | -- | -- | -- | -- | -- | -- | 223 | 102 | 57 | 15 | 35 | -- | -- | -- | -- | -- | | |
| LG SEEDS | LG2620VT3PRIB | 216 | 101 | 56 | 18 | 74 | 33 | 224 | 103 | 58 | 15 | 35 | 239 | 100 | 57 | 18 | 70 | 28 | |
| LG SEEDS | LG2636VT3PRIB | 223 | 105 | 56 | 18 | 75 | 29 | -- | -- | -- | -- | -- | 224 | 94 | 57 | 18 | 70 | 27 | |
| LG SEEDS | LG2642VT3PRIB | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 231 | 97 | 55 | 18 | 69 | 27 | |
| LG SEEDS | LG5618STX | 221 | 103 | 58 | 19 | 74 | 30 | 242 | 111 | 59 | 16 | -- | -- | -- | -- | -- | -- | | |
| MIDLAND | 344PRW | 196 | 92 | 57 | 16 | 74 | 27 | 206 | 94 | 59 | 15 | 33 | 235 | 99 | 59 | 16 | 68 | 27 | |
| MIDLAND | 534PRW | 189 | 88 | 58 | 17 | 74 | 23 | 238 | 109 | 60 | 15 | 31 | 254 | 107 | 57 | 19 | 69 | 28 | |
| MIDLAND | 552PRW | 209 | 98 | 57 | 18 | 74 | 32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| MIDLAND | 573PRW | 195 | 91 | 58 | 19 | 74 | 25 | 209 | 96 | 62 | 16 | 30 | 240 | 101 | 59 | 18 | 70 | 26 | |
| MIDLAND | 622PRW | 184 | 86 | 56 | 19 | 74 | 23 | 235 | 108 | 59 | 15 | 33 | 236 | 99 | 57 | 18 | 70 | 28 | |
| MIDLAND | 624PRW | 236 | 110 | 57 | 20 | 76 | 34 | 209 | 96 | 59 | 15 | 37 | 245 | 103 | 58 | 18 | 71 | 26 | |
| MIDLAND | 653PRW | 213 | 100 | 57 | 19 | 74 | 29 | 234 | 107 | 61 | 15 | 31 | 242 | 102 | 59 | 18 | 68 | 27 | |
| MIDLAND | 714PRW | 229 | 107 | 55 | 20 | 75 | 29 | 231 | 106 | 59 | 17 | 33 | 256 | 108 | 55 | 20 | 72 | 28 | |
| NUTECH/G2 GENETICS | 3F-515 | 243 | 114 | 57 | 19 | 76 | 31 | 215 | 98 | 59 | 16 | 33 | 251 | 105 | 58 | 18 | 73 | 28 | |
| NUTECH/G2 GENETICS | 5F-811 | 216 | 101 | 58 | 18 | 75 | 29 | 222 | 102 | 60 | 15 | 35 | 214 | 90 | 59 | 18 | 70 | 27 | |
| NUTECH/G2 GENETICS | 5H-216 | 226 | 106 | 57 | 19 | 75 | 27 | 236 | 108 | 59 | 16 | 34 | 239 | 101 | 57 | 18 | 69 | 25 | |
| NUTECH/G2 GENETICS | 5Z-1008 | 229 | 107 | 57 | 18 | 75 | 30 | 201 | 92 | 59 | 15 | 35 | 233 | 98 | 58 | 17 | 72 | 27 | |
| NUTECH/G2 GENETICS | 5Z-109 | 220 | 103 | 58 | 18 | 74 | 29 | 226 | 104 | 60 | 15 | 36 | 220 | 92 | 60 | 17 | 68 | 27 | |
| NUTECH/G2 GENETICS | 5Z-113 | 216 | 101 | 60 | 18 | 74 | 27 | 200 | 92 | 60 | 16 | 34 | 236 | 99 | 60 | 18 | 69 | 26 | |
| NUTECH/G2 GENETICS | 5Z-1205 | 210 | 98 | 60 | 17 | 74 | 32 | 220 | 101 | 61 | 15 | 35 | 238 | 100 | 60 | 18 | 69 | 26 | |
| NUTECH/G2 GENETICS | 5Z-1505 | 194 | 91 | 54 | 18 | 75 | 33 | 232 | 107 | 58 | 15 | 38 | 235 | 99 | 55 | 18 | 70 | 25 | |
| NUTECH/G2 GENETICS | 5Z-612 | 221 | 103 | 57 | 18 | 74 | 28 | 219 | 100 | 60 | 16 | 33 | 250 | 105 | 58 | 18 | 70 | 27 | |
| NUTECH/G2 GENETICS | 5Z-709 | 219 | 103 | 57 | 18 | 75 | 31 | 220 | 101 | 58 | 15 | 34 | 212 | 89 | 57 | 17 | 69 | 27 | |
| PHILLIPS | 709 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 223 | 94 | 57 | 18 | 69 | 28 | |
| PHILLIPS | PSF112 VT3Pro | 217 | 102 | 56 | 18 | 74 | 28 | 216 | 99 | 59 | 15 | 32 | 241 | 101 | 57 | 18 | 68 | 28 | |
| PHILLIPS | PSF121 VT3Pro | 222 | 104 | 57 | 17 | 75 | 31 | 207 | 95 | 59 | 15 | 34 | -- | -- | -- | -- | -- | | |
| PHILLIPS | PSF122 VT3Pro | 202 | 94 | 57 | 18 | 75 | 32 | 212 | 97 | 60 | 16 | 34 | 231 | 97 | 58 | 18 | 69 | 28 | |
| PHILLIPS | PSF141 SS | 212 | 99 | 58 | 20 | 74 | 29 | 242 | 111 | 60 | 16 | 33 | 237 | 100 | 58 | 19 | 68 | 25 | |
| PHILLIPS | PSF143 VT2Pro | 225 | 105 | 57 | 19 | 75 | 30 | 234 | 107 | 61 | 16 | 33 | 262 | 110 | 58 | 18 | 68 | 28 | |
| PHILLIPS | PSF163 VT2Pro | 220 | 103 | 56 | 19 | 74 | 29 | 213 | 98 | 59 | 16 | 32 | 235 | 99 | 57 | 18 | 71 | 25 | |
| PIONEER | P0636HR | 206 | 96 | 57 | 16 | 74 | 32 | 213 | 98 | 59 | 15 | 38 | 216 | 91 | 58 | 17 | 69 | 29 | |
| PIONEER | P1151HR | 206 | 96 | 57 | 18 | 74 | 30 | 230 | 106 | 60 | 16 | 34 | 208 | 87 | 58 | 18 | 69 | 25 | |
| PIONEER | P1690AM | 259 | 121 | 58 | 20 | 76 | 29 | 215 | 99 | 61 | 16 | 33 | 269 | 113 | 58 | 19 | 72 | 26 | |
| PRODUCERS | 6884VT3Pro | -- | -- | -- | -- | -- | -- | 216 | 99 | 57 | 15 | 36 | -- | -- | -- | -- | -- | | |
| PRODUCERS | 7014VT3 | -- | -- | -- | -- | -- | -- | 210 | 96 | 57 | 15 | 33 | -- | -- | -- | -- | -- | | |
| PRODUCERS | 7224VT3Pro | -- | -- | -- | -- | -- | -- | 212 | 97 | 58 | 15 | 30 | 254 | 107 | 55 | 18 | 70 | 29 | |
| PRODUCERS | 7394VT3 | -- | -- | -- | -- | -- | -- | 216 | 99 | 59 | 16 | 33 | -- | -- | -- | -- | -- | | |
| PRODUCERS | 7414VT3 | -- | -- | -- | -- | -- | -- | 223 | 102 | 57 | 15 | 36 | 230 | 96 | 55 | 18 | 69 | 28 | |
| PRODUCERS | 7574VT3Pro | -- | -- | -- | -- | -- | -- | 225 | 103 | 57 | 16 | 36 | 249 | 104 | 56 | 19 | 69 | 27 | |
| STINE | 9631VT3PRO | -- | -- | -- | -- | -- | -- | 206 | 94 | 58 | 15 | 34 | -- | -- | -- | -- | -- | | |
| STINE | 9732VT3PRO | -- | -- | -- | -- | -- | -- | 214 | 98 | 58 | 15 | 32 | -- | -- | -- | -- | -- | | |
| STINE | 9733EV3PRO | -- | -- | -- | -- | -- | -- | 187 | 86 | 59 | 16 | 35 | -- | -- | -- | -- | -- | | |
| STINE | 9739VT3PRO | -- | -- | -- | -- | -- | -- | 212 | 97 | 57 | 16 | 34 | -- | -- | -- | -- | -- | | |
| TRIUMPH | 1157S | 204 | 96 | 56 | 17 | 76 | 32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| TRIUMPH | 1217S | 206 | 96 | 56 | 17 | 75 | 27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| TRIUMPH | 1366S | -- | -- | -- | -- | -- | -- | 227 | 104 | 58 | 16 | 32 | -- | -- | -- | -- | -- | | |
| TRIUMPH | TRX1375S | -- | -- | -- | -- | -- | -- | 225 | 103 | 60 | 15 | 34 | -- | -- | -- | -- | -- | | |
| | AVERAGE | 214 | 100 | 57 | 18 | 74 | 29 | 218 | 100 | 59 | 15 | 34 | 238 | 100 | 57 | 18 | 70 | 27 | |
| | CV (%) | 9 | 9 | 1 | 3 | 2 | 6 | 6 | 6 | 0 | 0 | 7 | 8 | 8 | 1 | 3 | 1 | 3 | |
| | LSD (0.05) | 27 | 12 | 1 | 1 | 2 | 2 | 23 | 10 | 0 | 0 | 4 | 26 | 11 | 1 | 1 | 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.

EASTERN KANSAS DRYLAND CORN TESTS

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

Woodson silt loam; soybean in 2012

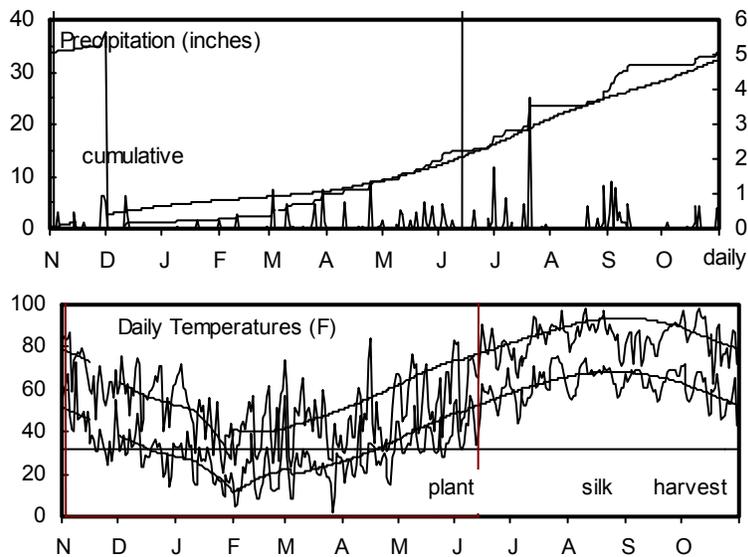
120 - 40 - 13 lb/a N, P, K

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

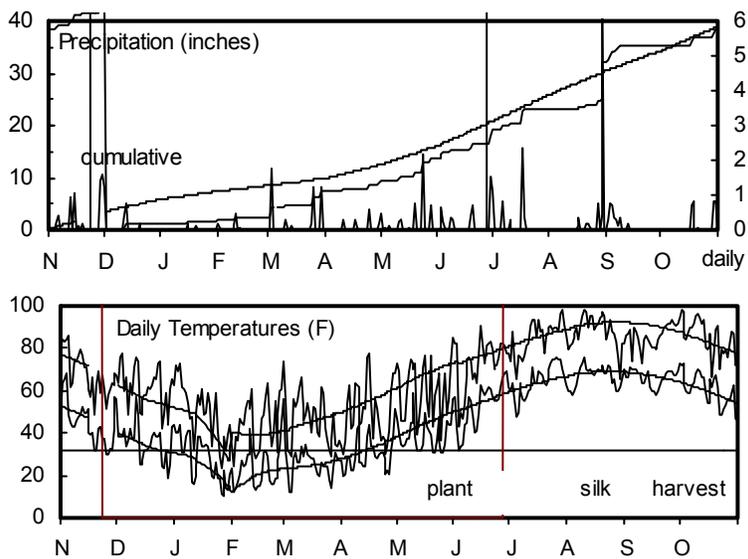
125 - 15 - 15 lb/a N, P, K

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 |

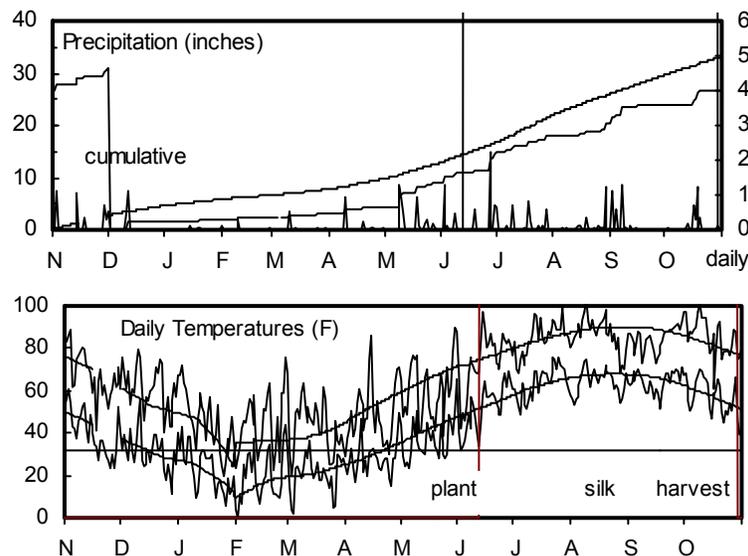


TABLE 4. EASTERN KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

| 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 |
| AGRIGOLD | A6408VT3PRIB | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 41 | 41 | 55 | 16 | 63 | 23 |
| AGRIGOLD | A6486VT2PRIB | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 81 | 81 | 56 | 16 | 66 | 23 |
| AGRIGOLD | A6533VT3PRIB | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 43 | 43 | 56 | 17 | 68 | 23 |
| DEKALB | DKC52-61 GENSS | 118 | 84 | 57 | 15 | 63 | 23 | 169 | 92 | 59 | 15 | 55 | 23 | 100 | 100 | 56 | 15 | 59 | 23 |
| DEKALB | DKC61-88 GENVT3P | 145 | 103 | 57 | 17 | 64 | 23 | 186 | 102 | 58 | 17 | 54 | 22 | 78 | 78 | 56 | 17 | 62 | 24 |
| DEKALB | DKC64-69 GENVT3P | 158 | 112 | 57 | 17 | 67 | 25 | 208 | 113 | 58 | 17 | 56 | 24 | 131 | 131 | 56 | 17 | 66 | 24 |
| GOLDEN ACRES | G4598 | 142 | 101 | 57 | 17 | 65 | 24 | 204 | 112 | 58 | 17 | 54 | 22 | 51 | 51 | 54 | 16 | 70 | 24 |
| GOLDEN ACRES | G5531 | -- | -- | -- | -- | -- | -- | 203 | 111 | 58 | 17 | 54 | 23 | -- | -- | -- | -- | -- | -- |
| GOLDEN ACRES | G5621 | 171 | 122 | 56 | 19 | 65 | 24 | 208 | 113 | 58 | 18 | 54 | 23 | 159 | 159 | 56 | 17 | 63 | 24 |
| MIDLAND | 143BLGW | 108 | 77 | 59 | 14 | 60 | 24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MIDLAND | 154PRW | 120 | 85 | 58 | 14 | 61 | 24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MIDLAND | 344PRW | -- | -- | -- | -- | -- | -- | 163 | 89 | 59 | 15 | 54 | 24 | 112 | 112 | 56 | 17 | 60 | 23 |
| MIDLAND | 534PRW | 141 | 100 | 58 | 17 | 64 | 23 | 201 | 110 | 58 | 17 | 54 | 23 | 91 | 91 | 56 | 17 | 63 | 23 |
| MIDLAND | 552PRW | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 100 | 100 | 55 | 18 | 64 | 25 |
| MIDLAND | 573PRW | -- | -- | -- | -- | -- | -- | 200 | 110 | 58 | 17 | 54 | 22 | 131 | 132 | 57 | 17 | 63 | 23 |
| MIDLAND | 583PRW | 129 | 91 | 57 | 18 | 61 | 23 | 165 | 90 | 58 | 16 | 54 | 22 | 109 | 109 | 56 | 18 | 59 | 24 |
| MIDLAND | 622PRW | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 | 120 | 56 | 17 | 64 | 21 |
| MIDLAND | 624PRW | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 98 | 98 | 55 | 19 | 64 | 24 |
| MIDLAND | 653PRW | 170 | 121 | 56 | 19 | 65 | 23 | 203 | 111 | 57 | 18 | 55 | 24 | 180 | 180 | 55 | 16 | 65 | 23 |
| MIDLAND | 714PRW | -- | -- | -- | -- | -- | -- | 147 | 81 | 59 | 15 | 54 | 24 | 133 | 133 | 56 | 17 | 63 | 24 |
| MYCOGEN | 2C788 | 164 | 116 | 55 | 19 | 67 | 25 | 193 | 106 | 58 | 18 | 56 | 23 | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2H568 | 123 | 87 | 57 | 15 | 63 | 24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2K595 | 122 | 86 | 57 | 15 | 62 | 23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2R549 | 111 | 79 | 57 | 16 | 62 | 24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2V709 | 139 | 99 | 57 | 17 | 64 | 25 | 203 | 111 | 58 | 17 | 54 | 23 | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2V717 | 144 | 102 | 56 | 16 | 64 | 24 | 192 | 105 | 59 | 15 | 54 | 23 | -- | -- | -- | -- | -- | -- |
| MYCOGEN | 2V779 | 145 | 103 | 55 | 17 | 65 | 24 | 197 | 108 | 58 | 16 | 55 | 22 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5N-9802 | -- | -- | -- | -- | -- | -- | 150 | 82 | 59 | 15 | 53 | 20 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5H-707 | -- | -- | -- | -- | -- | -- | 165 | 90 | 59 | 15 | 55 | 21 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5H-903 | -- | -- | -- | -- | -- | -- | 177 | 97 | 59 | 15 | 54 | 21 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5H-905 | -- | -- | -- | -- | -- | -- | 173 | 95 | 59 | 15 | 52 | 21 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5X-698 | -- | -- | -- | -- | -- | -- | 124 | 68 | 60 | 14 | 52 | 22 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5Z-109 | -- | -- | -- | -- | -- | -- | 169 | 93 | 58 | 16 | 55 | 19 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5Z-200 | -- | -- | -- | -- | -- | -- | 149 | 81 | 59 | 15 | 51 | 21 | -- | -- | -- | -- | -- | -- |
| NUTECH/G2 GENETICS | 5Z-709 | -- | -- | -- | -- | -- | -- | 196 | 107 | 58 | 16 | 55 | 21 | -- | -- | -- | -- | -- | -- |
| PHILLIPS | 795 VT2Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 127 | 127 | 56 | 18 | 66 | 24 |
| PHILLIPS | PSF003 VT2Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 101 | 101 | 57 | 15 | 59 | 23 |
| PHILLIPS | PSF053 VT2Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 48 | 48 | 56 | 17 | 66 | 24 |
| PHILLIPS | PSF071 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 54 | 54 | 57 | 16 | 60 | 21 |
| PHILLIPS | PSF082 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 47 | 47 | 55 | 16 | 62 | 23 |
| PHILLIPS | PSF112 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 156 | 156 | 57 | 17 | 59 | 23 |
| PHILLIPS | PSF121 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 81 | 82 | 55 | 17 | 71 | 24 |
| PHILLIPS | PSF122 VT3Pro | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 114 | 114 | 55 | 18 | 60 | 23 |
| PHILLIPS | PSF141 SS | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 142 | 142 | 57 | 17 | 69 | 22 |
| PIONEER | P0636HR | 163 | 116 | 57 | 16 | 64 | 24 | 180 | 99 | 59 | 15 | 54 | 23 | 151 | 151 | 56 | 16 | 62 | 23 |
| PIONEER | P1151HR | 138 | 98 | 58 | 17 | 63 | 24 | 185 | 101 | 58 | 17 | 54 | 23 | -- | -- | -- | -- | -- | -- |
| PIONEER | P1690AM | 162 | 115 | 58 | 18 | 67 | 24 | 221 | 121 | 58 | 18 | 58 | 23 | -- | -- | -- | -- | -- | -- |
| STEYER | 11208 VT3PRORIBC | 144 | 102 | 58 | 17 | 63 | 24 | 182 | 100 | 58 | 17 | 56 | 24 | 114 | 114 | 57 | 17 | 62 | 24 |
| STEYER | 11406 GENSSRIBC | 136 | 96 | 57 | 19 | 64 | 23 | 191 | 104 | 58 | 17 | 55 | 22 | 107 | 107 | 56 | 17 | 65 | 23 |
| STEYER | X31111TM GENSSRIBC | 149 | 106 | 57 | 17 | 66 | 23 | 199 | 109 | 58 | 17 | 56 | 24 | 90 | 90 | 56 | 17 | 70 | 23 |
| STEYER | X31121TM VT2PRORIBC | 132 | 94 | 57 | 18 | 64 | 24 | 168 | 92 | 58 | 16 | 54 | 21 | 109 | 109 | 56 | 17 | 58 | 21 |
| STINE | 9733EVT3PRO | 132 | 94 | 58 | 17 | 64 | 22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| STINE | 9739VT3PRO | 148 | 105 | 54 | 18 | 63 | 23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| STINE | 9808EVT3PRO | 152 | 108 | 55 | 18 | 64 | 22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | AVERAGE | 141 | 100 | 57 | 17 | 64 | 24 | 183 | 100 | 58 | 16 | 54 | 22 | 103 | 100 | 56 | 17 | 64 | 23 |
| | CV (%) | 9 | 9 | 1 | 3 | 2 | 2 | 7 | 7 | 0 | 2 | 1 | 7 | 11 | 11 | 1 | 5 | 4 | 3 |
| | LSD (0.05) | 17 | 12 | 1 | 1 | 2 | 1 | 18 | 10 | 0 | 1 | 1 | 2 | 16 | 16 | 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.

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

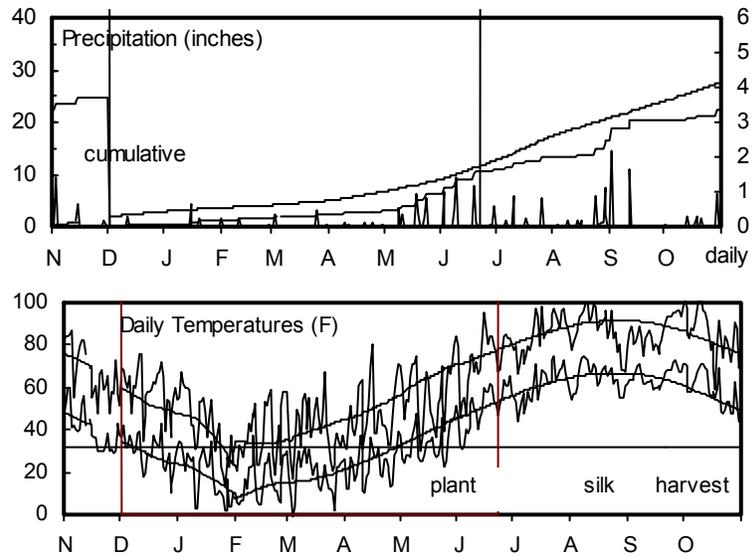
180 - 0 - 0 lb/a N, P, K

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 Lingenfelser, 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 |

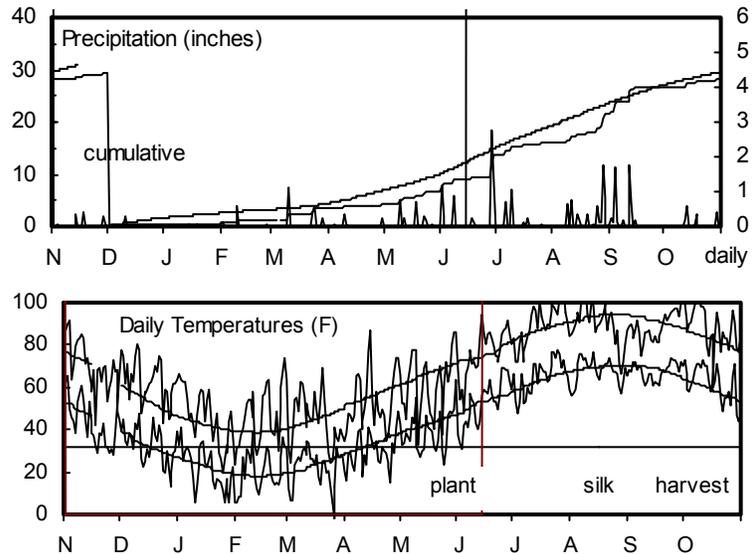


TABLE 5. CENTRAL KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

| 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 |

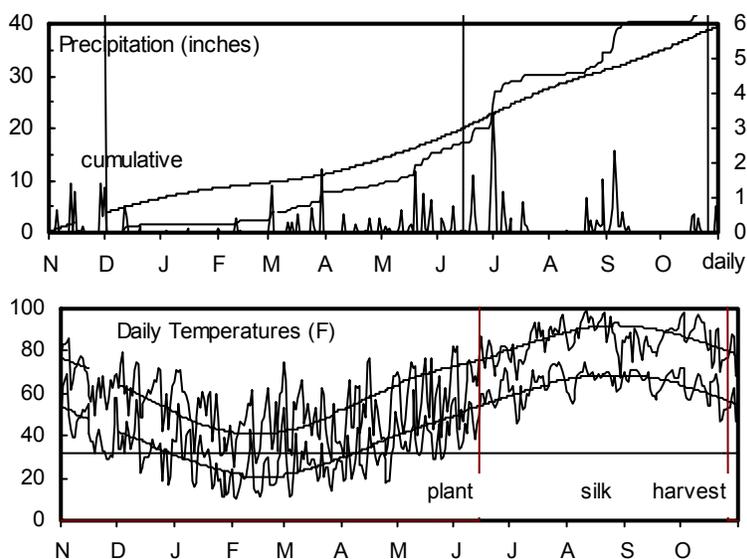


TABLE 6. KANSAS SHORT-SEASON DRYLAND CORN PERFORMANCE TEST, 2013

| | | 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

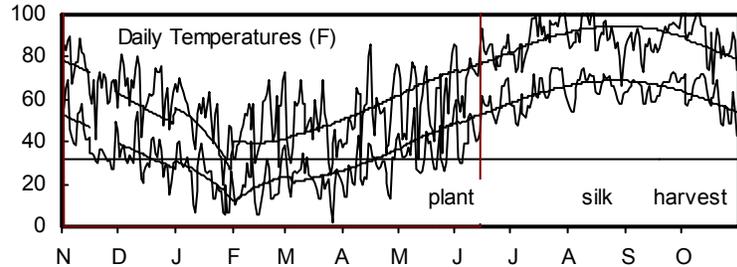
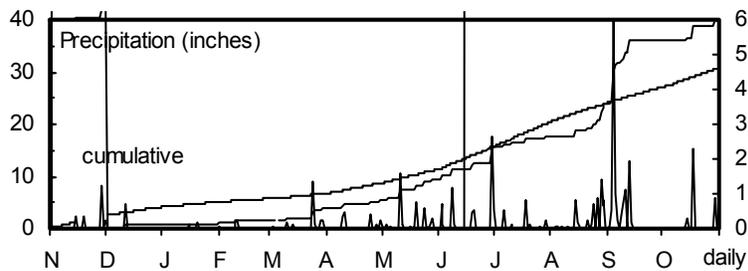
180 - 0 - 0 lb/a N, P, K

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

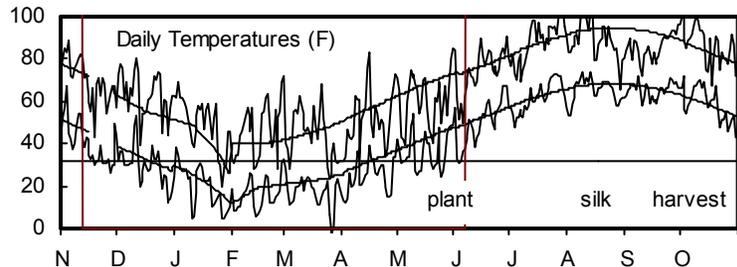
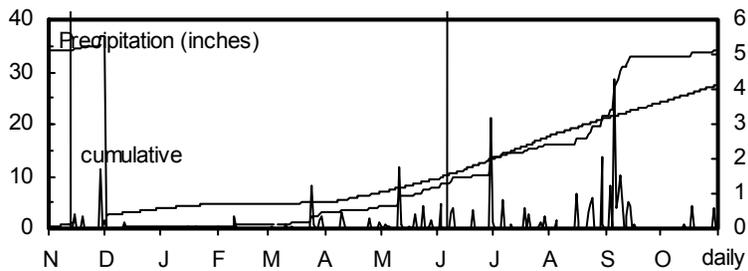
175 - 15 - 0 lb/a N, P, K

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 |

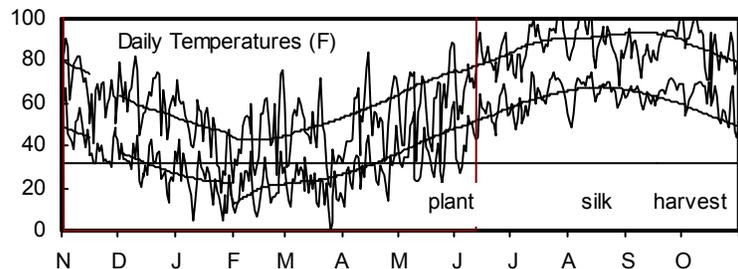
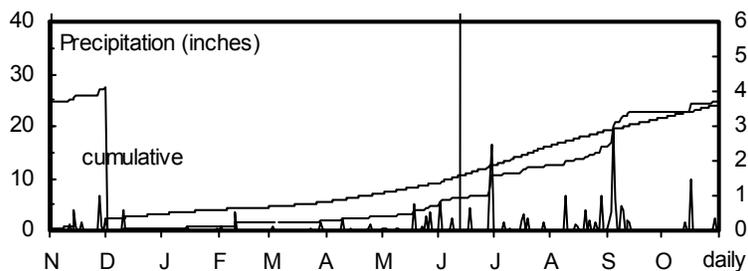


TABLE 7. SOUTH CENTRAL KANSAS IRRIGATED CORN PERFORMANCE TEST, 2013

| 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 |

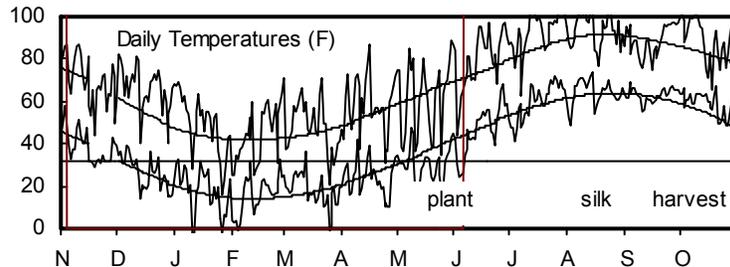
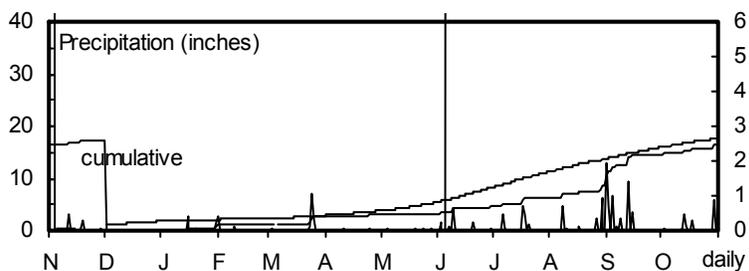


TABLE 8. WESTERN KANSAS DRYLAND CORN PERFORMANCE TEST, 2013

| | | 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

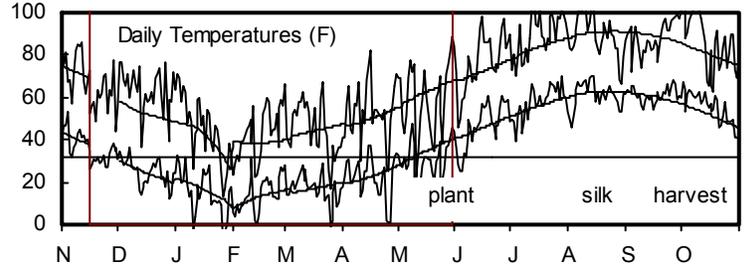
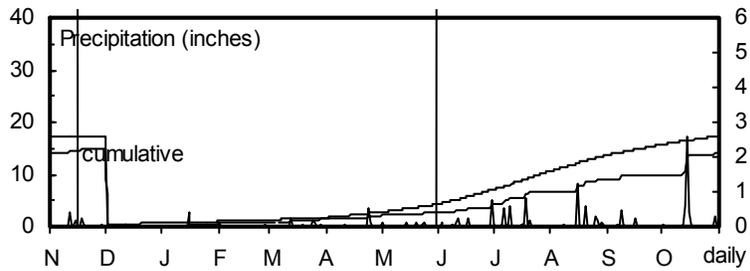
230 - 55 - 0 lb/a N, P, K

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

Target stand of 30,000plants/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

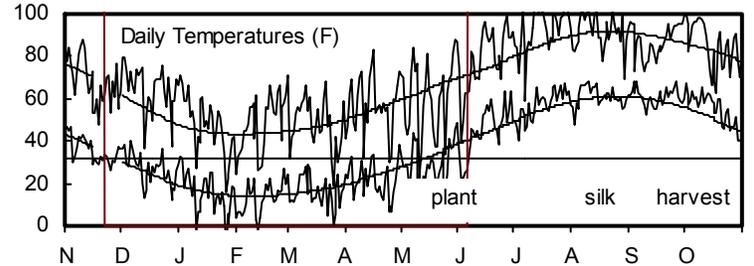
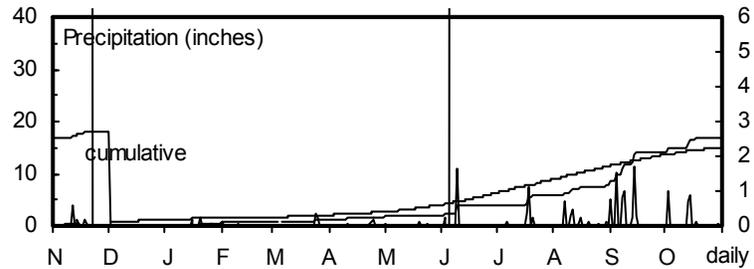
240 - 35 - 0 lb/a N, P, K

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

Target stand of 30,000plants/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 30,000plants/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 |

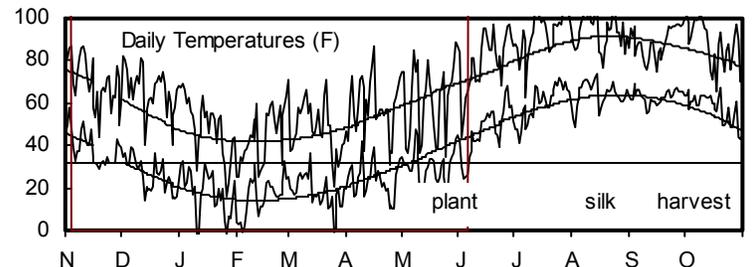
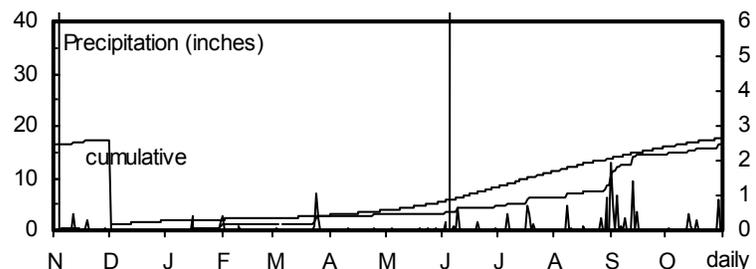


TABLE 9. WESTERN KANSAS IRRIGATED CORN PERFORMANCE TEST, 2013

| 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 (%) | DAYS (silk) | 1000 ppa |
| B-H GENETICS | BH 8550VT2P | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 138 | 116 | 56 | 11 | 73 | 29 | |
| B-H GENETICS | BH 8570VTTP | -- | -- | -- | -- | -- | 239 | 97 | 59 | 16 | 74 | 35 | 99 | 83 | 56 | 11 | 72 | 28 | |
| B-H GENETICS | BH 8700VTTP | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 123 | 104 | 56 | 13 | 73 | 26 | |
| B-H GENETICS | BH 8844VTTP | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 138 | 116 | 58 | 15 | 75 | 29 | |
| B-H GENETICS | BH 8928VTTP | -- | -- | -- | -- | -- | 262 | 106 | 57 | 20 | 77 | 35 | -- | -- | -- | -- | -- | -- | |
| B-H GENETICS | XP 7825VTTP | -- | -- | -- | -- | -- | 246 | 100 | 60 | 15 | 71 | 33 | 120 | 101 | 55 | 11 | 69 | 29 | |
| DEKALB | DKC52-61 GENSS | 223 | 92 | 56 | 14 | 78 | 31 | 220 | 89 | 61 | 13 | 73 | 33 | 115 | 97 | 54 | 11 | 71 | 27 |
| DEKALB | DKC61-88 GENVT3P | 247 | 102 | 58 | 19 | 77 | 29 | 249 | 101 | 59 | 16 | 74 | 35 | 133 | 112 | 56 | 12 | 73 | 29 |
| DEKALB | DKC64-69 GENVT3P | 257 | 106 | 58 | 21 | 81 | 31 | 266 | 108 | 58 | 18 | 75 | 35 | 130 | 110 | 56 | 12 | 75 | 30 |
| GARST | 82K01-3111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 146 | 123 | 53 | 15 | 76 | 30 | |
| GARST | 83E90-3111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 94 | 79 | 58 | 14 | 75 | 28 | |
| GARST | 83R38-3000GT | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 100 | 84 | 55 | 14 | 76 | 26 | |
| GARST | 84N18-3111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 116 | 97 | 52 | 13 | 75 | 29 | |
| GARST | 84U58-3111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 125 | 105 | 53 | 14 | 74 | 30 | |
| GOLDEN ACRES | G1631 | 226 | 94 | 58 | 19 | 79 | 28 | 231 | 93 | 59 | 17 | 75 | 34 | -- | -- | -- | -- | -- | |
| GOLDEN ACRES | G4598 | 258 | 107 | 58 | 21 | 78 | 30 | 261 | 106 | 59 | 16 | 75 | 35 | 143 | 120 | 57 | 11 | 72 | 33 |
| GOLDEN ACRES | G5531 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 129 | 108 | 58 | 14 | 73 | 31 | |
| GOLDEN ACRES | G5621 | 243 | 101 | 56 | 23 | 80 | 31 | 267 | 108 | 57 | 19 | 75 | 35 | -- | -- | -- | -- | -- | |
| GOLDEN ACRES | G6611 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 115 | 97 | 55 | 13 | 73 | 29 | |
| GOLDEN ACRES | G7601 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 145 | 121 | 56 | 17 | 76 | 30 | |
| INTEGRITY | 7752 | 234 | 97 | 59 | 18 | 82 | 30 | 224 | 91 | 59 | 16 | 77 | 33 | 82 | 69 | 58 | 12 | 76 | 26 |
| INTEGRITY | 7854 | 228 | 94 | 56 | 22 | 81 | 30 | 255 | 103 | 58 | 19 | 76 | 34 | 106 | 89 | 58 | 13 | 75 | 28 |
| LG SEEDS | LG2602VT3PRIB | 235 | 97 | 55 | 20 | 81 | 30 | 246 | 100 | 58 | 18 | 77 | 35 | 133 | 112 | 54 | 11 | 76 | 28 |
| LG SEEDS | LG2620VT3PRIB | -- | -- | -- | -- | -- | -- | 248 | 101 | 58 | 18 | 75 | 35 | -- | -- | -- | -- | -- | |
| LG SEEDS | LG2636VT3PRIB | 247 | 102 | 55 | 21 | 80 | 33 | 218 | 88 | 57 | 19 | 76 | 34 | 127 | 106 | 55 | 14 | 74 | 30 |
| LG SEEDS | LG2642VT3PRIB | 253 | 105 | 56 | 22 | 79 | 32 | -- | -- | -- | -- | -- | 123 | 103 | 56 | 15 | 74 | 27 | |
| LG SEEDS | LG5607VT3Pro | -- | -- | -- | -- | -- | -- | 265 | 107 | 58 | 17 | 75 | 35 | -- | -- | -- | -- | -- | |
| LG SEEDS | LG5618STX | 248 | 103 | 58 | 22 | 80 | 32 | 253 | 103 | 57 | 19 | 76 | 34 | 129 | 108 | 57 | 13 | 75 | 31 |
| LG SEEDS | LG5630VT3PRIB | 242 | 100 | 54 | 21 | 80 | 32 | -- | -- | -- | -- | -- | 129 | 108 | 55 | 14 | 76 | 29 | |
| MIDLAND | 134PR | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 124 | 104 | 54 | 10 | 70 | 30 | |
| MIDLAND | 143BLGW | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 103 | 86 | 54 | 11 | 71 | 30 | |
| MIDLAND | 344PRW | 254 | 105 | 58 | 16 | 76 | 32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MIDLAND | 573PRW | 258 | 107 | 59 | 21 | 78 | 29 | -- | -- | -- | -- | -- | 96 | 80 | 58 | 14 | 73 | 24 | |
| MIDLAND | 583PRW | 256 | 106 | 57 | 21 | 78 | 30 | -- | -- | -- | -- | -- | 129 | 108 | 58 | 13 | 72 | 28 | |
| MIDLAND | 622PRW | 234 | 97 | 57 | 20 | 80 | 29 | -- | -- | -- | -- | -- | 109 | 91 | 56 | 14 | 74 | 29 | |
| MIDLAND | 624PRW | 250 | 104 | 58 | 21 | 79 | 32 | -- | -- | -- | -- | -- | 114 | 96 | 58 | 15 | 74 | 29 | |
| MIDLAND | 653PRW | 268 | 111 | 56 | 22 | 78 | 30 | -- | -- | -- | -- | -- | 113 | 95 | 57 | 13 | 73 | 26 | |
| MIDLAND | 670PRW | 226 | 94 | 56 | 22 | 80 | 30 | -- | -- | -- | -- | -- | 122 | 103 | 57 | 14 | 73 | 26 | |
| MIDLAND | 714PRW | 263 | 109 | 55 | 23 | 81 | 30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MYCOGEN | 2K757 | 266 | 110 | 54 | 21 | 79 | 33 | 247 | 100 | 57 | 19 | 74 | 35 | 88 | 74 | 54 | 11 | 72 | 28 |
| MYCOGEN | 2V709 | 246 | 102 | 57 | 21 | 78 | 31 | 253 | 103 | 58 | 18 | 75 | 35 | 118 | 99 | 55 | 12 | 73 | 28 |
| MYCOGEN | 2Y767 | 239 | 99 | 55 | 23 | 79 | 30 | 247 | 100 | 58 | 17 | 75 | 34 | 84 | 71 | 55 | 13 | 73 | 29 |
| MYCOGEN | 2Y816 | 256 | 106 | 53 | 23 | 83 | 28 | 261 | 106 | 57 | 20 | 78 | 34 | 100 | 84 | 55 | 15 | 77 | 28 |
| PHILLIPS | 709 VT3Pro | 223 | 92 | 56 | 22 | 77 | 29 | 241 | 98 | 56 | 20 | 75 | 34 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF112 VT3Pro | 228 | 94 | 58 | 17 | 76 | 28 | 234 | 95 | 60 | 15 | 73 | 33 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF121 VT3Pro | 240 | 99 | 59 | 18 | 77 | 30 | 243 | 98 | 59 | 16 | 73 | 34 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF122 VT3Pro | 257 | 107 | 57 | 22 | 76 | 31 | 235 | 95 | 59 | 17 | 72 | 36 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF141 SS | 228 | 94 | 58 | 22 | 79 | 27 | 247 | 100 | 58 | 18 | 74 | 35 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF143 VT2Pro | 282 | 117 | 56 | 23 | 79 | 32 | 249 | 101 | 57 | 19 | 75 | 35 | -- | -- | -- | -- | -- | |
| PHILLIPS | PSF163 VT2Pro | 224 | 93 | 57 | 21 | 81 | 27 | 234 | 95 | 58 | 18 | 77 | 31 | -- | -- | -- | -- | -- | |
| PIONEER | P0636HR | 241 | 100 | 58 | 16 | 79 | 32 | 233 | 94 | 60 | 15 | 74 | 34 | 127 | 107 | 56 | 11 | 73 | 31 |
| PIONEER | P1151HR | 251 | 104 | 59 | 19 | 79 | 30 | 245 | 99 | 58 | 17 | 75 | 35 | 155 | 130 | 57 | 12 | 72 | 29 |
| PIONEER | P1690AM | 253 | 105 | 58 | 22 | 81 | 31 | 255 | 103 | 57 | 19 | 78 | 35 | 131 | 110 | 58 | 13 | 77 | 29 |
| PRODUCERS | 6884VT3Pro | 204 | 84 | 57 | 14 | 79 | 30 | 222 | 90 | 60 | 16 | 76 | 33 | 112 | 94 | 55 | 10 | 74 | 28 |
| PRODUCERS | 7014VT3 | 224 | 93 | 55 | 18 | 80 | 29 | 252 | 102 | 59 | 16 | 76 | 36 | 111 | 93 | 53 | 11 | 75 | 28 |
| PRODUCERS | 7134VT3 | 246 | 102 | 55 | 20 | 80 | 30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| PRODUCERS | 7224VT3Pro | 238 | 99 | 55 | 19 | 80 | 30 | 269 | 109 | 57 | 18 | 77 | 36 | 104 | 87 | 54 | 11 | 77 | 30 |
| PRODUCERS | 7394VT3 | 229 | 95 | 57 | 16 | 79 | 31 | 246 | 100 | 58 | 18 | 75 | 35 | 114 | 95 | 56 | 11 | 76 | 30 |
| PRODUCERS | 7414VT3 | 231 | 95 | 55 | 18 | 77 | 30 | 248 | 101 | 57 | 19 | 75 | 34 | 125 | 105 | 54 | 11 | 73 | 28 |
| PRODUCERS | 7574VT3Pro | 244 | 101 | 56 | 20 | 80 | 31 | 251 | 102 | 57 | 19 | 76 | 36 | 131 | 110 | 55 | 14 | 75 | 32 |
| PRODUCERS | 7624VT3 | -- | -- | -- | -- | -- | -- | 254 | 103 | 57 | 19 | 75 | 35 | 142 | 119 | 56 | 16 | 74 | 31 |
| STINE | 9631VT3PRO | 211 | 87 | 56 | 17 | 77 | 28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| STINE | 9728EVT3PRO | 226 | 93 | 57 | 18 | 77 | 30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| STINE | 9732VT3PRO | 220 | 91 | 55 | 20 | 77 | 29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| STINE | 9733EVT3PRO | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 | 100 | 56 | 12 | 71 | 26 | |
| STINE | 9739VT3PRO | 212 | 88 | 54 | 21 | 78 | 28 | -- | -- | -- | -- | -- | 131 | 110 | 52 | 11 | 74 | 27 | |
| TRIUMPH | 1157S | 259 | 107 | 56 | 20 | 79 | 31 | 254 | 103 | 58 | 18 | 75 | 35 | 110 | 92 | 55 | 12 | 74 | 31 |
| TRIUMPH | 1217S | 246 | 102 | 57 | 21 | 79 | 28 | 241 | 98 | 58 | 18 | 75 | 33 | 122 | 103 | 55 | 12 | 73 | 30 |
| TRIUMPH | 1366S | 253 | 105 | 55 | 23 | 81 | 30 | 257 | 104 | 57 | 20 | 77 | 34 | 126 | 106 | 54 | 14 | 75 | 29 |
| TRIUMPH | 1725H | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 110 | 92 | 55 | 17 | 76 | 26 | |
| TRIUMPH | TRX21354R2 | 257 | 106 | 55 | 22 | 82 | 32 | -- | -- | -- | -- | -- | 89 | 75 | 56 | 11 | 76 | 29 | |
| TRIUMPH | TRX31375S | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 137 | 115 | 54 | 12 | 74 | 27 | |
| | AVERAGE | 242 | 100 | 56 | 20 | 79 | 30 | 247 | 100 | 58 | 18 | 75 | 34 | 119 | 100 | 56 | 13 | 74 | 29 |
| | CV (%) | 8 | 8 | 1 | 5 | 2 | 9 | 7 | 7 | 1 | 3 | 1 | 3 | 11 | 11 | 1 | 10 | 2 | 10 |
| | | | | | | | | | | | | | | | | | | | |

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.

To access crop performance testing information electronically, visit our website. The information contained in this publication, plus more, is available for viewing or downloading at:

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