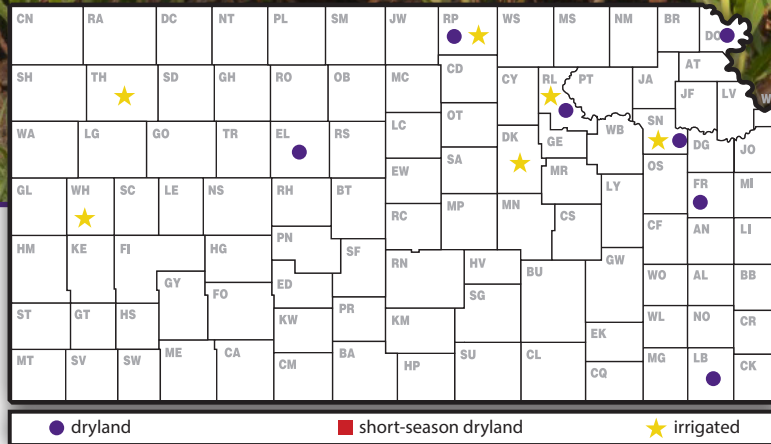
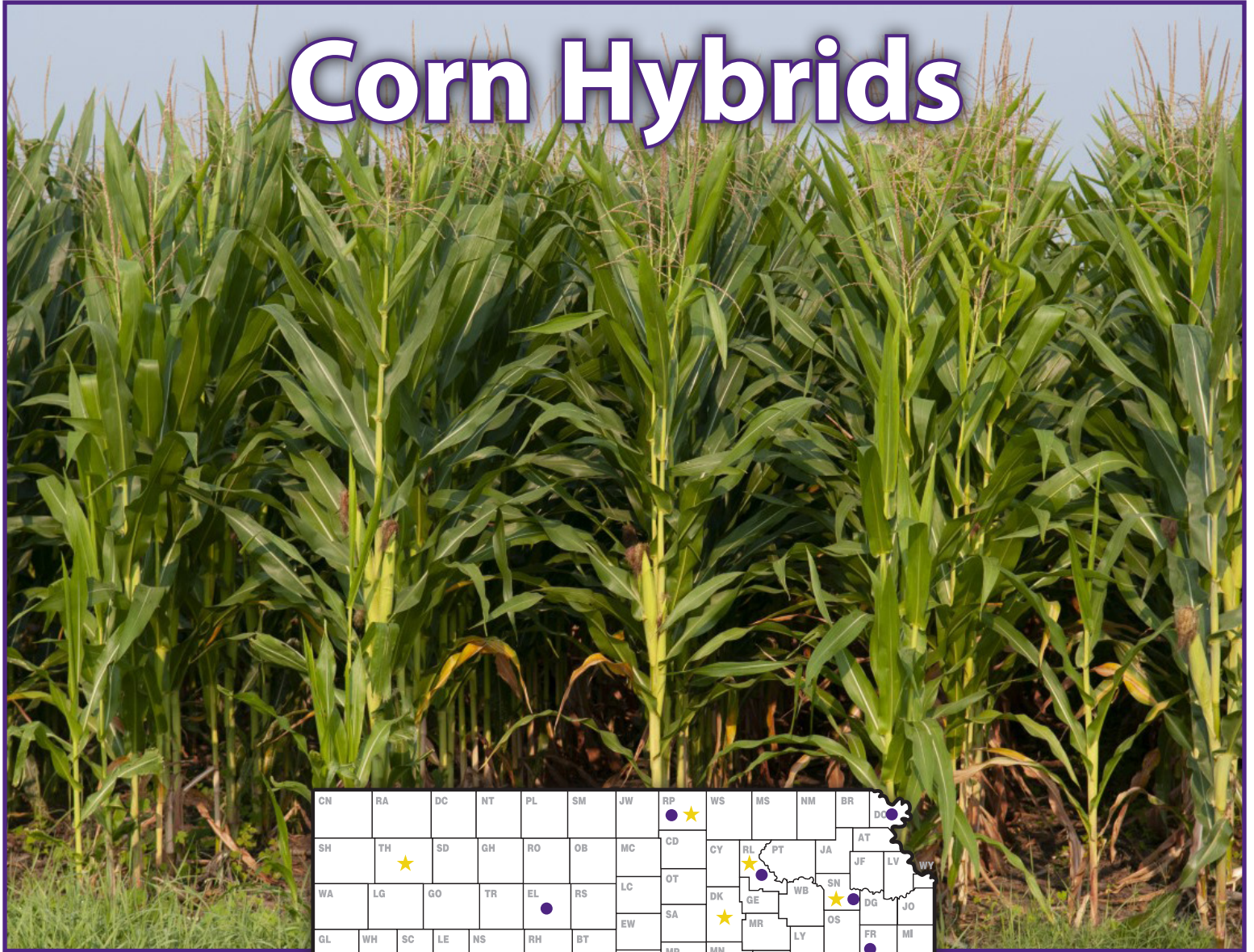


# 2021 Kansas Performance Tests with

# Corn Hybrids



## Report of Progress 1166



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## 2021 CORN CROP REVIEW

### Statewide Growing Conditions

The 2021 corn season was something of a roller coaster ride weather-wise: temperature and precipitation were up and down from month to month throughout most of the growing season.

The season started (or at least tried to start) in March, which was the fifth wettest March on record since 1895. Precipitation in east central Kansas was 145% higher than normal, but the clear winner for that state was northwest Kansas, which was 262% higher than normal. Due to adequate or surplus subsoil moisture, reported by 78% of the state, early planting was delayed until April or May. March was also warmer than normal, but those warm temperatures ended as we moved into April. The month of April was drier and significantly cooler than normal, to the extent that there was snow and a freeze April 20-22 for much of the state. Following the freeze there were numerous reports of chilling injury to the early planted corn.

The month of May brought another upward swing in precipitation. The drought in Kansas was essentially (temporarily) eliminated because 97% of the state was considered drought-free. The extra precipitation did cause saturated soils and standing water that had mixed results on the corn crop depending on the stage of development. There were numerous cases of uneven stands, poor root development, and many fields had to be replanted or were abandoned. The additional rain also often coincided with severe weather for the state. In May, there were 34 tornadoes, 159 hail events, 116 damaging wind events, and several flash floods.

There was some relief in June with drier and warmer than normal conditions for most parts of the state, however southeast Kansas remained at 124% of the normal precipitation. North central Kansas was the hardest hit with only 37%. The dry conditions persisted into July, again except for southeast which was still 133% of normal. Northwest Kansas dropped from 262% of normal in March to only 43%. The temperatures for July dropped as well; the average temperature was 1.4°F cooler than normal and only 1 new daily record high for the state. The weather was not quite as severe as in earlier months with no tornadoes, 11 hail events, and 51 damaging wind events.

The dry pattern remained through August and northwest Kansas dropped again to only 34% of normal precipitation and that area of Kansas was back on the drought monitor. Temperatures rebounded and the average daily temperature was 1.7°F warmer than normal with 12 new record high maximum temperatures. There was also 1 tornado, 69 hail events, and 111 damaging wind events in August.

September was also warmer than normal, but this time precipitation rebounded into a fairly wet month, which delayed grain drying and harvest.

These monthly fluctuations in precipitation and temperatures meant that growing conditions and consequently yields and quality varied widely across the state; there were pockets of excellent corn neighbored by subpar corn or corn cut for silage. There was a phenomenon that was found in many corn fields in Kansas this year of premature ear droop or ear drop. Usually the corn ear remains in an upright position until it reaches black layer, but in 2021 there were numerous reports from across the state in dryland and irrigated fields of corn ears that were drooping or had dropped to the ground. This happens when the plant runs out of resources and uses up all of the sugar and carbohydrate reserves in the plant stem and shank for grain filling. Some of the conditions that normally favor ear droop are high temperatures, drought stress, and poor root development. It can also occur when there is interrupted photosynthesis from cloudy days or smoke from wildfires. The exact cause of ear droop cannot be pinpointed this year since it occurred in rainfed and irrigated fields under a variety of weather conditions. However, our observations lead us to believe that it was some unfavorable combination of weather and lack of solar radiation that may have reduced yields and hindered harvest.

Overall, the U.S. Department of Agriculture National Agricultural Statistics Service reported the average yield for the state at 140 bushels/acre; up 6 bushels from last year, and statewide corn production at 742 million bushels, which is down 3% from last year.

## **Diseases**

The advantage to the up-and-down growing season conditions is that it seemed to alleviate disease and insect pressures. Conditions did not stay favorable long enough for diseases to get established and affect the crop to economic thresholds. There were moderate amounts of the usual Kansas suspects: gray leaf spot, bacterial leaf streak, Southern rust, Diplodia ear rot, and stalk rots late in the season, but no disease stood out as the main concern for 2021.

## **Insects**

Twenty-thirty years ago, we had more pest problems in corn than any other crop. However, now most corn pest problems have, or can, be mitigated with a good integrated pest management (IPM) program. But we always seem to have a few spider mite problems, mainly in the western half of Kansas. These are a difficult problem, but they can be managed.

The last 2-3 years, we have seen Japanese beetle populations increase throughout the state—mainly moving east to west. We now see the populations extend about two-thirds across the state. These beetles are relatively large and feed voraciously on silks- if the silks are emerging at about the same time as the beetles. So far, there seems to be more concern than actual damage. But these populations do need monitoring in 2022. (Jeff Whitworth, Kansas State University Department of Entomology)

## **2021 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 11 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 10 contain results from the individual performance tests. Hybrids are listed together by company name. A summary of growing season precipitation data is given for individual test discussions. General trends in precipitation relative to normal are readily observed in the graphs.

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.

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 2021 Kansas Corn Performance Tests**

---

**Corteva AgriSciences**

Johnston, IA  
800-233-7333  
pioneer.com  
\*maturity checks

**Golden Harvest Brand Seed**

Minnetonka, MN  
800-455-0956  
syngentaseeds.com

**Midland Genetics**

Ottawa, KS  
800-819-7333  
midlandgenetics.com

**Renk Seed Co**

Sun Prairie, WI  
800-289-7365  
renkseed.com

**Beck's Hybrids**

Atlanta, IN  
800-937-2325  
beckshybrids.com

**Lewis Hybrids**

Paola, KS  
816-835-5965  
lewishybrids.com

**Monsanto (Dekalb)**

St. Louis, MO  
314-694-1000  
monsanto.com  
\*maturity checks

**Syngenta (NK Hybrids)**

Greensboro, NC  
800-334-9481  
nkhybrids.com

**Dyna-Gro Seeds**

Loveland, CO  
970-685-3300  
nutrien.com

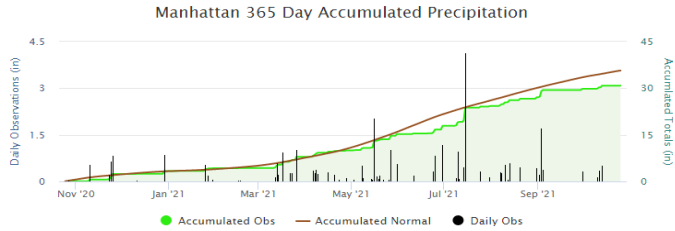
**Table 2. Manhattan, Kansas Dryland Corn Performance Test, Riley County, 2021**

Agronomy North Farm, Manhattan

Planted: 4/29/2021

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

Herbicide: Lexar applied pre-emergence



| Brand          | Name            | Yield<br>(bu/a) | PAVG<br>(%) | Moist<br>(%) | TW<br>(lb/bu) |
|----------------|-----------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM         | 209.9           | 91.1        | 10.4         | 59.1          |
| BECKS          | 5909 AM         | 230.3           | 99.9        | 10.8         | 58.1          |
| BECKS          | 6282 AM         | <b>258.6</b>    | 112.2       | 11.9         | 61.0          |
| BECKS          | 6414 V2P        | 223.6           | 97.1        | 12.9         | 60.6          |
| DEKALB         | DKC59-82        | 236.6           | 102.7       | 11.3         | 57.9          |
| DEKALB         | DKC65-95 RIB    | 242.0           | 105.0       | 13.5         | 60.7          |
| DYNA-GRO       | D48QV22         | 247.7           | 107.5       | 10.6         | 58.0          |
| DYNA-GRO       | D49SS70         | 215.0           | 93.3        | 11.4         | 60.3          |
| DYNA-GRO       | D50VC09         | 224.5           | 97.5        | 10.5         | 56.9          |
| DYNA-GRO       | D50VC78         | 218.5           | 94.9        | 10.6         | 58.6          |
| DYNA-GRO       | D51SS41         | 244.8           | 106.3       | 11.0         | 58.6          |
| DYNA-GRO       | D51SS61         | <b>266.4</b>    | 115.6       | 10.7         | 58.2          |
| DYNA-GRO       | D52DC82         | 232.5           | 100.9       | 11.9         | 57.6          |
| DYNA-GRO       | D53TC19         | 246.3           | 106.9       | 11.4         | 59.4          |
| DYNA-GRO       | D57TC29         | 235.4           | 102.2       | 13.9         | 58.4          |
| DYNA-GRO       | D57VC17         | 193.5           | 84.0        | 13.2         | 60.1          |
| DYNA-GRO       | D58VC65         | 226.6           | 98.3        | 13.0         | 60.3          |
| GOLDEN HARVEST | G13N18-3111     | 242.6           | 105.3       | 11.1         | 54.6          |
| LEWIS          | 10DP719         | 215.8           | 93.7        | 11.2         | 58.7          |
| LEWIS          | 14DD849         | <b>256.2</b>    | 111.2       | 13.5         | 58.9          |
| LEWIS          | 15DP899         | 234.2           | 101.6       | 12.8         | 59.1          |
| LEWIS          | 16DP850         | 243.9           | 105.9       | 13.3         | 60.8          |
| LEWIS          | 16DP887         | 248.8           | 108.0       | 16.3         | 60.0          |
| MATURITY CHECK | FULL            | <b>262.1</b>    | 113.8       | 13.4         | 60.0          |
| MATURITY CHECK | MID             | 215.8           | 93.7        | 10.8         | 57.9          |
| MATURITY CHECK | SHORT           | 209.0           | 90.7        | 10.7         | 58.4          |
| MIDLAND        | 381VLGA EZ1     | 206.6           | 89.7        | 10.6         | 58.0          |
| MIDLAND        | 570PR RIB       | 229.7           | 99.7        | 12.3         | 60.2          |
| MIDLAND        | 621PR           | 218.1           | 94.7        | 12.9         | 60.0          |
| MIDLAND        | 662TRE          | 243.6           | 105.8       | 12.5         | 58.8          |
| MIDLAND        | 721PR RIB       | 219.5           | 95.3        | 12.4         | 61.6          |
| MIDLAND        | 782PR           | 240.9           | 104.6       | 12.8         | 59.5          |
| NK             | NK1284-3220-EZ1 | 207.0           | 89.8        | 11.6         | 58.6          |
| NK             | NK1354          | 224.0           | 97.2        | 11.3         | 57.3          |
| RENK           | RK710DGV2P      | 216.3           | 93.9        | 10.9         | 58.8          |
| RENK           | RK782VT2P       | 229.5           | 99.6        | 11.4         | 59.5          |
| RENK           | RK821SSTX       | 234.9           | 102.0       | 11.4         | 59.3          |
| RENK           | RK826VT2P       | 221.6           | 96.2        | 12.2         | 58.7          |
| RENK           | RK882TRE        | 217.3           | 94.3        | 12.3         | 58.7          |
| RENK           | RK907SSTX       | 236.9           | 102.8       | 12.1         | 60.1          |
| RENK           | RK915VT2P       | 233.8           | 101.5       | 13.4         | 59.4          |
| RENK           | RK945DGV2P      | 215.6           | 93.6        | 12.6         | 57.1          |
|                | AVERAGE         | 230.4           | 100.0       | 12.0         | 59.0          |
|                | CV (%)          | 7.2             | 7.2         | 1.4          | 0.8           |
|                | LSD (0.05)      | 13.8            | 9.3         | 2.0          | 1.0           |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD values in bold.**

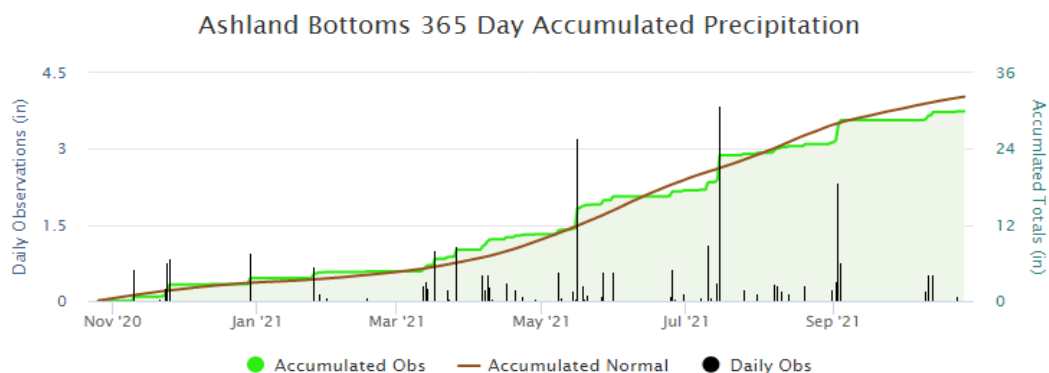
**Table 3. Ashland Bottoms, Kansas Irrigated Corn Performance Test, Riley County, 2021**

Ashland Bottoms Research Farm, Riley County

Planted: 5/7/2021

220-0-0 lb/ac N, P, K

Herbicide: 3 qt/a Lexar EZ pre-emergence



| Brand          | Name            | Yield<br>(bu/a) | PAVG<br>(%) | Moist<br>(%) | TW<br>(lb/bu) |
|----------------|-----------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM         | 238.3           | 102.2       | 10.9         | 59.4          |
| BECKS          | 5909 AM         | <b>249.6</b>    | 107.1       | 10.6         | 59.1          |
| BECKS          | 6282 AM         | <b>248.2</b>    | 106.5       | 11.7         | 61.7          |
| BECKS          | 6414 V2P        | <b>244.2</b>    | 104.8       | 12.2         | 61.0          |
| DEKALB         | DKC59-82        | 234.7           | 100.7       | 11.0         | 58.6          |
| GOLDEN HARVEST | G13N18-3111     | 230.3           | 98.8        | 10.0         | 54.8          |
| LEWIS          | 10DP719         | 214.0           | 91.8        | 10.8         | 58.9          |
| LEWIS          | 14DD849         | 239.9           | 102.9       | 12.1         | 58.9          |
| LEWIS          | 15DP899         | 236.4           | 101.4       | 12.1         | 58.5          |
| LEWIS          | 16DP850         | <b>246.6</b>    | 105.8       | 11.5         | 60.3          |
| LEWIS          | 16DP887         | <b>257.1</b>    | 110.3       | 14.6         | 60.3          |
| MATURITY CHECK | FULL            | <b>251.2</b>    | 107.8       | 12.6         | 60.6          |
| MATURITY CHECK | MID             | 211.8           | 90.9        | 11.1         | 59.0          |
| MATURITY CHECK | SHORT           | 212.6           | 91.2        | 10.6         | 58.8          |
| NK             | NK1284-3220-EZ1 | 200.5           | 86.0        | 10.9         | 57.7          |
| NK             | NK1354          | 214.3           | 91.9        | 10.6         | 57.3          |
|                | AVERAGE         | 233.1           | 100.0       | 11.4         | 59.0          |
|                | CV (%)          | 6.1             | 6.1         | 3.4          | 0.7           |
|                | LSD (0.05)      | 17.1            | 6.4         | 2.3          | 1.6           |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD values in bold.**

**Table 4. Scandia, Kansas Irrigated Corn Performance Test, Republic County, 2021**

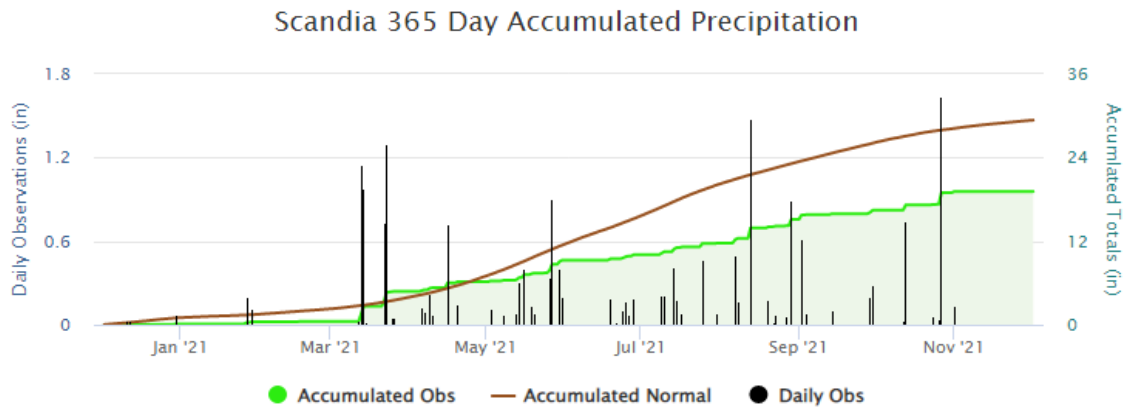
North Central Experiment Field, Scandia

Planted: 4/30/2021

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

Herbicide: 1.5 qt/a Makaze, 3 qt/a Acuron, 10 oz/a Status, 1.5 qt/a Mad Dog

Irrigation: 10 inches 6/24-8/25



| BRAND          | NAME         | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | HT<br>(in) |
|----------------|--------------|-----------------|-------------|--------------|---------------|------------|
| BECKS          | 5765 AM      | 203.9           | 94.0        | 14.0         | 58.8          | 108        |
| BECKS          | 5909 AM      | 196.4           | 90.5        | 14.0         | 59.3          | 104        |
| BECKS          | 6282 AM      | 231.7           | 106.8       | 14.3         | 61.2          | 110        |
| BECKS          | 6414 V2P     | 231.4           | 106.7       | 14.5         | 60.9          | 108        |
| DEKALB         | DKC59-82     | 224.0           | 103.3       | 13.8         | 58.6          | 102        |
| DEKALB         | DKC65-95 RIB | 233.9           | 107.8       | 14.7         | 61.1          | 108        |
| GOLDEN HARVEST | G13N18-3111  | <b>244.2</b>    | 112.5       | 14.2         | 56.7          | 110        |
| LEWIS          | 10DP719      | 183.4           | 84.5        | 14.2         | 59.8          | 112        |
| LEWIS          | 14DD849      | <b>241.9</b>    | 111.5       | 14.3         | 60.4          | 108        |
| LEWIS          | 15DP899      | 226.3           | 104.3       | 14.3         | 59.7          | 108        |
| LEWIS          | 16DP850      | <b>256.2</b>    | 118.1       | 14.5         | 61.7          | 104        |
| LEWIS          | 16DP887      | 213.0           | 98.2        | 14.6         | 61.4          | 112        |
| MATURITY CHECK | FULL         | 200.5           | 92.4        | 14.9         | 61.4          | 116        |
| MATURITY CHECK | MID          | 219.8           | 101.3       | 13.9         | 59.2          | 110        |
| MATURITY CHECK | SHORT        | 205.6           | 94.8        | 14.1         | 59.1          | 108        |
| MIDLAND        | 721PR RIB    | 212.9           | 98.1        | 14.8         | 62.0          | 104        |
| NK             | NK1284-3220- | 164.7           | 75.9        | 14.4         | 59.8          | 116        |
| NK             | NK1354       | 218.3           | 100.6       | 14.4         | 58.7          | 108        |
| RENK           | RK710DGVT2P  | 214.2           | 98.7        | 14.0         | 59.6          | 114        |
|                | AVERAGE      | 217.0           | 100.0       | 14.3         | 60.0          | 109        |
|                | CV (%)       | 8.5             | 8.5         | 1.5          | 1.1           | 5          |
|                | LSD (0.05)   | 22.0            | 10.1        | 1.1          | 2.3           | 3          |

\*Yields must differ by more than the LSD value to be considered statistically different.

**Top LSD group in bold.**



**Table 5. Rossville, Kansas Irrigated Corn Performance Test, Shawnee County, 2021**

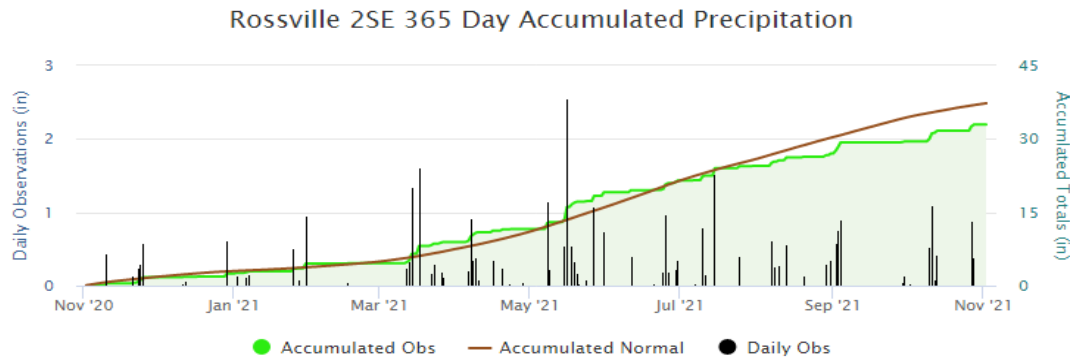
Kansas River Valley Experiment Field, Rossville

Planted: 4/27/2021

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

Herbicide: pre-emergence: 6 oz/a Callisto, 3 qt/a Degree Xtra, 0.5 lb/a Aatrex 90, 1 oz/a Aim;

post emergence: 1 lb/a Aatrex 90, 14 oz/a Aremezon Pro, 1 oz/a Aim, 1 qt/100 gal Enact



| BRAND          | NAME         | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | PLANTS<br>per acre |
|----------------|--------------|-----------------|-------------|--------------|---------------|--------------------|
| BECKS          | 5765 AM      | 235.9           | 97.3        | 17.8         | 59.6          | 27750              |
| BECKS          | 5909 AM      | 247.3           | 102.0       | 19.0         | 58.9          | 28750              |
| BECKS          | 6282 AM      | 230.6           | 95.1        | 18.1         | 59.7          | 29000              |
| BECKS          | 6414 V2P     | 235.3           | 97.1        | 20.8         | 58.4          | 28250              |
| DEKALB         | DKC59-82     | <b>261.8</b>    | 108.0       | 18.7         | 57.5          | 28000              |
| DEKALB         | DKC65-95 RIB | <b>262.3</b>    | 108.2       | 20.8         | 59.2          | 28500              |
| DYNA-GRO       | D50VC09      | <b>254.0</b>    | 104.7       | 17.6         | 57.4          | 28000              |
| DYNA-GRO       | D50VC78      | 224.2           | 92.5        | 18.5         | 58.5          | 28250              |
| DYNA-GRO       | D51SS41      | 233.8           | 96.4        | 18.9         | 57.4          | 29250              |
| DYNA-GRO       | D51SS61      | 240.1           | 99.0        | 18.7         | 58.6          | 27000              |
| DYNA-GRO       | D52DC82      | <b>261.8</b>    | 108.0       | 19.1         | 57.4          | 27750              |
| DYNA-GRO       | D53TC19      | <b>252.4</b>    | 104.1       | 18.4         | 59.3          | 28333              |
| DYNA-GRO       | D57TC29      | <b>255.8</b>    | 105.5       | 21.0         | 56.9          | 28750              |
| DYNA-GRO       | D57VC17      | 236.0           | 97.3        | 20.6         | 58.9          | 29000              |
| DYNA-GRO       | D58VC65      | <b>248.8</b>    | 102.6       | 20.3         | 58.1          | 28250              |
| GOLDEN HARVEST | G13N18-3111  | 248.0           | 102.3       | 19.9         | 56.4          | 27750              |
| LEWIS          | 10DP719      | <b>251.0</b>    | 103.5       | 18.2         | 58.7          | 27250              |
| LEWIS          | 14DD849      | <b>255.9</b>    | 105.5       | 21.0         | 57.2          | 29250              |
| LEWIS          | 15DP899      | <b>263.6</b>    | 108.7       | 19.9         | 57.8          | 28500              |
| LEWIS          | 16DP850      | <b>264.5</b>    | 109.1       | 19.5         | 59.5          | 32750              |
| LEWIS          | 16DP887      | <b>261.1</b>    | 107.7       | 20.2         | 56.5          | 26500              |
| MATURITY CHECK | FULL         | 229.3           | 94.6        | 20.7         | 58.8          | 24500              |
| MATURITY CHECK | MID          | 220.8           | 91.1        | 18.2         | 58.4          | 26250              |
| MATURITY CHECK | SHORT        | 223.3           | 92.1        | 16.5         | 59.5          | 29250              |
| MIDLAND        | 381VLGA EZ1  | <b>250.7</b>    | 103.4       | 19.8         | 57.4          | 26000              |
| MIDLAND        | 570PR RIB    | <b>254.7</b>    | 105.0       | 19.8         | 59.8          | 27750              |

**Table 5 continued. Rossville, Kansas Irrigated Corn Performance Test, Shawnee County, 2021**

| <b>BRAND</b> | <b>NAME</b>     | <b>YIELD<br/>(bu/a)</b> | <b>PAVG<br/>(%)</b> | <b>MOIST<br/>(%)</b> | <b>TW<br/>(lb/bu)</b> | <b>PLANTS<br/>per acre</b> |
|--------------|-----------------|-------------------------|---------------------|----------------------|-----------------------|----------------------------|
| MIDLAND      | 621PR           | <b>252.5</b>            | 104.2               | 19.7                 | 58.4                  | 28000                      |
| MIDLAND      | 662TRE          | <b>255.2</b>            | 105.3               | 18.8                 | 58.4                  | 30000                      |
| MIDLAND      | 721PR RIB       | 233.1                   | 96.1                | 19.1                 | 60.5                  | 26250                      |
| MIDLAND      | 782PR           | 238.3                   | 98.3                | 20.0                 | 57.9                  | 25750                      |
| NK           | NK1284-3220-EZ1 | 215.0                   | 88.7                | 18.5                 | 57.9                  | 29000                      |
| NK           | NK1354          | 216.4                   | 89.2                | 20.4                 | 57.0                  | 29000                      |
| RENK         | RK782VT2P       | 236.4                   | 97.5                | 18.5                 | 59.6                  | 27500                      |
| RENK         | RK821SSTX       | 243.7                   | 100.5               | 17.6                 | 59.1                  | 28000                      |
| RENK         | RK826VT2P       | 244.4                   | 100.8               | 17.5                 | 58.3                  | 29000                      |
| RENK         | RK882TRE        | 216.1                   | 89.1                | 19.6                 | 58.1                  | 26000                      |
| RENK         | RK907SSTX       | 226.3                   | 93.3                | 19.5                 | 59.1                  | 29000                      |
| RENK         | RK915VT2P       | 233.4                   | 96.3                | 20.0                 | 58.5                  | 28250                      |
| RENK         | RK945DGV2P      | 241.7                   | 99.7                | 20.3                 | 57.6                  | 27000                      |
|              | AVERAGE         | 242.4                   | 100.0               | 19.3                 | 58.4                  | 28034                      |
|              | CV (%)          | 7.2                     | 7.2                 | 2.2                  | 1.9                   | --                         |
|              | LSD (0.05)      | 16.3                    | 6.9                 | 2.0                  | 0.9                   | --                         |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top**

**LSD values in bold.**

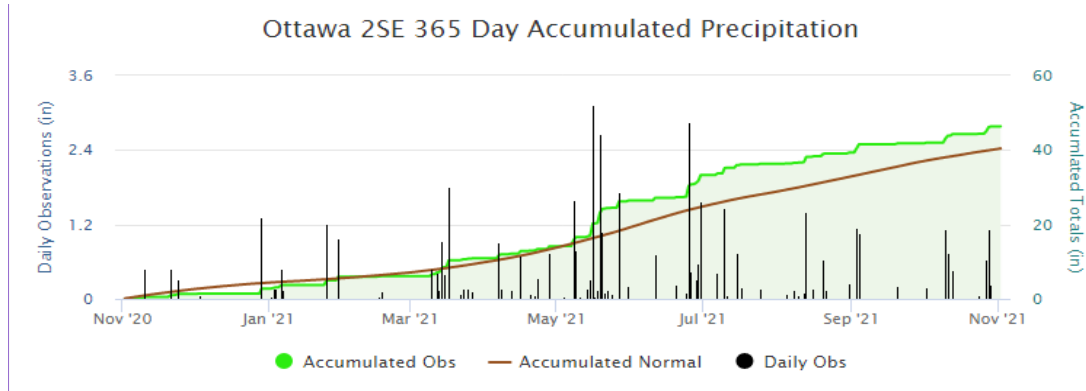
**Table 6. Ottawa, Kansas Dryland Corn Performance Test, Franklin County, 2021**

East Central Experiment Field, Ottawa

Planted: 6/7/2021

121-47-31-10 lb/ac N, P, K, S + 50 lb/a N on 6/16

Herbicide: 1.5 lb/a Atrazine, 1.25 pt/a S-Metolachlor, Callisto



| BRAND          | NAME            | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | DATE<br>(1/2 silk) | PLANTS<br>per acre |
|----------------|-----------------|-----------------|-------------|--------------|---------------|--------------------|--------------------|
| BECKS          | 5765 AM         | 139.2           | 87.5        | 17.6         | 54.8          | 28-Jul             | 23500              |
| BECKS          | 5909 AM         | <b>161.2</b>    | 101.4       | 18.6         | 54.9          | 28-Jul             | 24250              |
| BECKS          | 6282 AM         | 150.0           | 94.4        | 20.0         | 55.9          | 29-Jul             | 24625              |
| BECKS          | 6414 V2P        | <b>176.1</b>    | 110.8       | 20.8         | 55.0          | 28-Jul             | 23500              |
| DEKALB         | DKC59-82        | 153.2           | 96.4        | 19.1         | 54.1          | 29-Jul             | 23625              |
| DEKALB         | DKC65-95 RIB    | <b>172.5</b>    | 108.5       | 20.6         | 56.0          | 3-Aug              | 24750              |
| GOLDEN HARVEST | G13N18-3111     | <b>170.5</b>    | 107.2       | 21.8         | 51.0          | 29-Jul             | 23375              |
| LEWIS          | 10DP719         | 157.0           | 98.7        | 18.3         | 55.4          | 29-Jul             | 22500              |
| LEWIS          | 14DD849         | <b>160.4</b>    | 100.9       | 22.8         | 52.9          | 3-Aug              | 24625              |
| LEWIS          | 15DP899         | <b>169.6</b>    | 106.7       | 21.8         | 54.5          | 30-Jul             | 23625              |
| LEWIS          | 16DP850         | <b>169.2</b>    | 106.5       | 21.5         | 55.3          | 30-Jul             | 23500              |
| MATURITY CHECK | FULL            | <b>164.1</b>    | 103.2       | 21.1         | 54.8          | 30-Jul             | 22750              |
| MATURITY CHECK | MID             | 141.7           | 89.1        | 19.5         | 54.7          | 1-Aug              | 22125              |
| MATURITY CHECK | SHORT           | 150.5           | 94.7        | 16.3         | 57.2          | 26-Jul             | 23750              |
| NK             | NK1284-3220-EZ1 | 138.3           | 87.0        | 20.3         | 54.1          | 3-Aug              | 24000              |
| NK             | NK1354          | <b>170.2</b>    | 107.1       | 22.4         | 51.1          | 29-Jul             | 24250              |
|                | AVERAGE         | 159.0           | 100.0       | 20.2         | 54.5          | 30-Jul             | 23672              |
|                | CV (%)          | 7.9             | 7.9         | 3.4          | 1.1           | --                 | 6                  |
|                | LSD (0.05)      | 17.9            | 10.3        | 1.0          | 0.9           | --                 | 1883               |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD group in bold.**

**Table 7. Kiro, Kansas Dryland Corn Performance Test, Shawnee County, 2021**

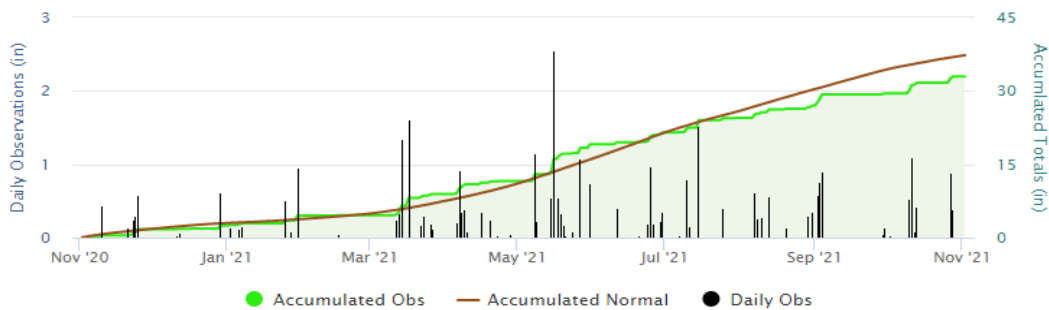
Private farm, Kiro, Kansas

Planted: 4/27/2021

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

Herbicide: pre-emergence: 6 oz/a Callisto, 3 qt/a Degree Xtra, 0.5 lb/a Aatrex 90, 1 oz/a Aim;  
 post emergence: 1 lb/a Aatrex 90, 14 oz/a Aremezon Pro, 1 oz/a Aim, 1 qt/100 gal Enact

Rossville 2SE 365 Day Accumulated Precipitation



| BRAND          | NAME            | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | PLANTS<br>per acre |
|----------------|-----------------|-----------------|-------------|--------------|---------------|--------------------|
| BECKS          | 5765 AM         | <b>229.5</b>    | 102.4       | 13.7         | 60.3          | 21750              |
| BECKS          | 5909 AM         | 227.0           | 101.3       | 14.3         | 60.0          | 24250              |
| BECKS          | 6282 AM         | 225.8           | 100.8       | 15.3         | 61.5          | 23500              |
| BECKS          | 6414 V2P        | <b>227.8</b>    | 101.7       | 16.4         | 60.7          | 23000              |
| DEKALB         | DKC59-82        | <b>228.0</b>    | 101.7       | 15.2         | 59.3          | 23000              |
| DEKALB         | DKC65-95 RIB    | <b>238.0</b>    | 106.2       | 17.8         | 60.5          | 24500              |
| GOLDEN HARVEST | G13N18-3111     | 216.6           | 96.6        | 16.1         | 56.6          | 24250              |
| LEWIS          | 10DP719         | 219.7           | 98.0        | 14.4         | 59.9          | 22250              |
| LEWIS          | 14DD849         | <b>227.4</b>    | 101.5       | 17.2         | 58.9          | 23250              |
| LEWIS          | 15DP899         | <b>240.3</b>    | 107.2       | 17.0         | 60.0          | 22500              |
| LEWIS          | 16DP850         | <b>242.9</b>    | 108.4       | 18.5         | 60.5          | 25250              |
| MATURITY CHECK | FULL            | 225.8           | 100.8       | 17.9         | 60.6          | 22500              |
| MATURITY CHECK | MID             | 203.5           | 90.8        | 14.2         | 60.1          | 21250              |
| MATURITY CHECK | SHORT           | 198.0           | 88.3        | 13.2         | 59.8          | 22500              |
| NK             | NK1284-3220-EZ1 | <b>235.2</b>    | 104.9       | 14.4         | 60.4          | 23750              |
| NK             | NK1354          | 200.2           | 89.3        | 17.2         | 58.2          | 23750              |
|                | AVERAGE         | 224.1           | 100.0       | 15.8         | 59.8          | 23203              |
|                | CV (%)          | 5.9             | 5.9         | 2.1          | 0.9           | --                 |
|                | LSD (0.05)      | 15.9            | 6.7         | 1.8          | 1.5           | --                 |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD value in bold.**

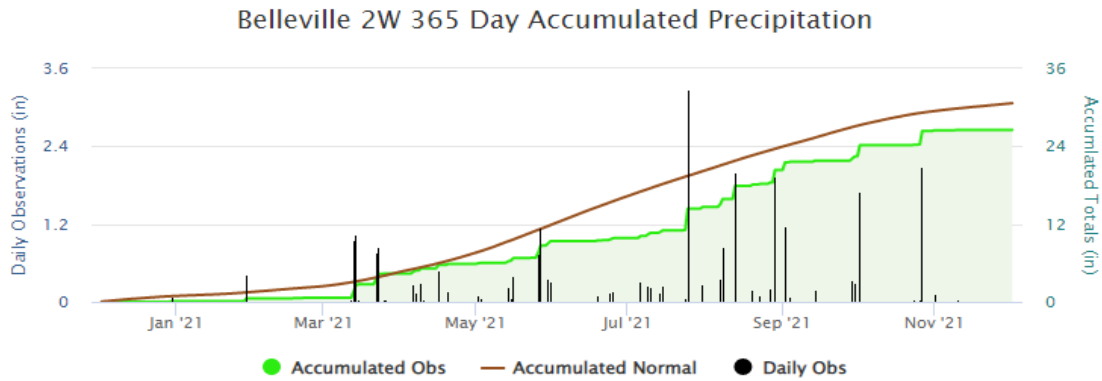
**Table 8. Belleville, Kansas Dryland Corn Performance Test, Republic County, 2021**

North Central Experiment Field, Belleville

Planted: 5/7/2021

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

Herbicide: 3.0 qt/a Makaze, 8 oz/a Rifle, 1 pt/a Salvo, 3 qt/a Acuron, 10 oz/a Status, 1.5 qt/a Mad Dog



| BRAND          | NAME            | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | HT<br>(in) |
|----------------|-----------------|-----------------|-------------|--------------|---------------|------------|
| BECKS          | 5765 AM         | <b>231.7</b>    | 106.5       | 17.0         | 59.8          | 92.7       |
| BECKS          | 5909 AM         | 222.0           | 102.1       | 15.8         | 59.1          | 82.0       |
| BECKS          | 6282 AM         | 213.5           | 98.2        | 18.7         | 60.2          | 89.0       |
| BECKS          | 6414 V2P        | 221.8           | 102.0       | 19.5         | 60.5          | 90.7       |
| DEKALB         | DKC59-82        | <b>239.6</b>    | 110.2       | 16.8         | 59.0          | 90.0       |
| DEKALB         | DKC65-95 RIB    | <b>240.4</b>    | 110.5       | 20.1         | 59.8          | 96.7       |
| DYNA-GRO       | D51SS41         | 211.5           | 97.2        | 17.3         | 59.0          | 80.7       |
| GOLDEN HARVEST | G13N18-3111     | 207.0           | 95.2        | 25.0         | 56.9          | 101.3      |
| LEWIS          | 14DD849         | 212.6           | 97.8        | 23.3         | 58.5          | 92.7       |
| MATURITY CHECK | FULL            | 212.8           | 97.8        | 23.7         | 60.1          | 98.7       |
| MATURITY CHECK | MID             | 220.1           | 101.2       | 17.1         | 59.0          | 94.0       |
| MATURITY CHECK | SHORT           | 197.6           | 90.8        | 16.0         | 58.5          | 84.0       |
| MIDLAND        | 570PR RIB       | <b>225.0</b>    | 103.4       | 18.4         | 59.9          | 91.3       |
| NK             | NK1284-3220-EZ1 | 197.9           | 91.0        | 19.6         | 60.1          | 98.7       |
| NK             | NK1354          | 215.1           | 98.9        | 17.6         | 58.8          | 94.0       |
| RENK           | RK945DGVT2P     | 211.2           | 97.1        | 20.6         | 59.3          | 94.0       |
|                | AVERAGE         | 217.5           | 100.0       | 19.2         | 59.3          | 91.9       |
|                | CV (%)          | 5.2             | 5.2         | 3.2          | 0.9           | 5.2        |
|                | LSD (0.05)      | 16.0            | 7.4         | 1.7          | 1.4           | 2.6        |

\*Yields must differ by more than the LSD value to be considered statistically different.

Top LSD values in bold.

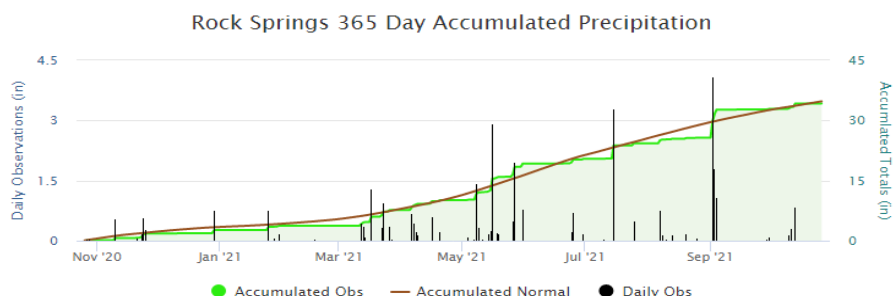
**Table 9. Abilene, Kansas Irrigated Corn Performance Test, Dickinson County, 2021**

Private Farm, Dickinson County, 38.91433439, -97.16233227

Planted: 4/29/2021

Previous Crop: Soybean

Conventional tillage; flood irrigation



| Brand          | Name        | Yield<br>(bu/a) | PAVG<br>(%) | Moist<br>(%) | TW<br>(lb/bu) |
|----------------|-------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM     | 270.4           | 100.7       | 12.9         | 62.8          |
| BECKS          | 5909 AM     | 236.8           | 88.2        | 13.3         | 61.6          |
| BECKS          | 6282 AM     | <b>293.9</b>    | 109.5       | 12.7         | 63.3          |
| BECKS          | 6414 V2P    | 273.3           | 101.8       | 13.1         | 63.0          |
| DYNA-GRO       | D50VC09     | 267.8           | 99.7        | 12.6         | 62.9          |
| DYNA-GRO       | D50VC78     | 257.2           | 95.8        | 12.9         | 61.8          |
| DYNA-GRO       | D51SS41     | 264.3           | 98.4        | 12.4         | 62.9          |
| DYNA-GRO       | D51SS61     | 273.0           | 101.7       | 13.0         | 62.6          |
| DYNA-GRO       | D52DC82     | 270.1           | 100.6       | 13.3         | 62.3          |
| DYNA-GRO       | D53TC19     | <b>286.3</b>    | 106.6       | 13.9         | 61.7          |
| DYNA-GRO       | D57TC29     | <b>280.3</b>    | 104.4       | 13.4         | 62.2          |
| DYNA-GRO       | D57VC17     | 271.6           | 101.1       | 13.5         | 63.1          |
| DYNA-GRO       | D58VC65     | <b>288.8</b>    | 107.6       | 13.5         | 63.7          |
| GOLDEN HARVEST | G13N18-3111 | 273.5           | 101.9       | 14.0         | 61.4          |
| LEWIS          | 10DP719     | 249.0           | 92.7        | 12.6         | 63.0          |
| LEWIS          | 14DD849     | <b>282.9</b>    | 105.4       | 13.8         | 62.4          |
| LEWIS          | 15DP899     | <b>295.2</b>    | 110.0       | 13.1         | 63.5          |
| LEWIS          | 16DP850     | <b>291.9</b>    | 108.7       | 13.4         | 63.6          |
| LEWIS          | 16DP887     | <b>289.9</b>    | 108.0       | 13.8         | 64.1          |
| MATURITY CHECK | FULL        | <b>280.1</b>    | 104.3       | 14.1         | 62.0          |
| MATURITY CHECK | MID         | 257.8           | 96.0        | 13.1         | 62.3          |
| MATURITY CHECK | SHORT       | 240.6           | 89.6        | 12.0         | 63.2          |
| MIDLAND        | 381VLGA EZ1 | 258.2           | 96.2        | 12.6         | 62.6          |
| MIDLAND        | 570PR RIB   | 264.1           | 98.4        | 12.1         | 64.5          |
| MIDLAND        | 621PR       | 266.3           | 99.2        | 12.4         | 64.4          |
| MIDLAND        | 662TRE      | 273.5           | 101.8       | 13.1         | 63.2          |
| MIDLAND        | 721PR RIB   | 252.9           | 94.2        | 12.8         | 63.4          |
| MIDLAND        | 782PR       | 259.9           | 96.8        | 12.9         | 63.7          |
| NK             | NK1354      | <b>289.7</b>    | 107.9       | 13.7         | 62.2          |
| RENK           | RK710DGV2P  | 213.0           | 79.3        | 12.4         | 63.2          |
| RENK           | RK782VT2P   | 251.6           | 93.7        | 12.9         | 63.4          |
|                | AVERAGE     | 268.5           | 100.0       | 13.1         | 62.9          |
|                | CV (%)      | 4.9             | 4.9         | 4.3          | 1.4           |
|                | LSD (0.05)  | 18.3            | 6.8         | 1.7          | 1.1           |

\*Yields must differ by more than the LSD value to be considered statistically different.

Top LSD value in bold.

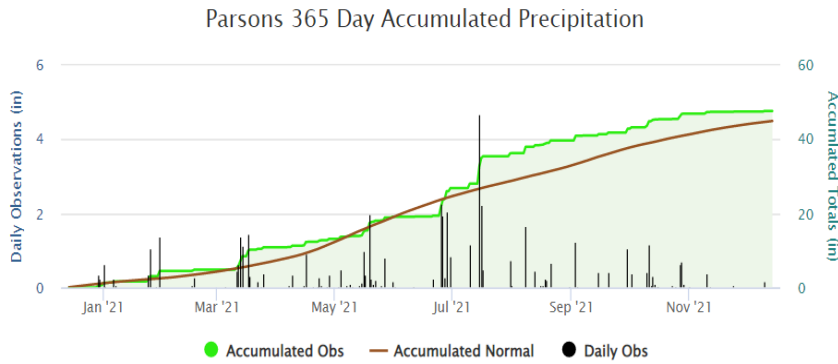
**Table 10. Parsons, Kansas Corn Performance Test, Labette County, 2021**

Southeast Agricultural Research Center, Parsons

Planted: 4/9/2021

180-46-60 lb/a N, P, K

Herbicide: 2 qt/a glyphosate + 2.0 qt/a Atrazine 4L + 2qt/a 2,4-D



| BRAND          | NAME            | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) |
|----------------|-----------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM         | 118             | 90          | 14           | 56            |
| BECKS          | 5909 AM         | 119             | 91          | 16           | 56            |
| BECKS          | 6282 AM         | 135             | 103         | 16           | 57            |
| BECKS          | 6414 V2P        | <b>140</b>      | 106         | 17           | 58            |
| DEKALB         | DKC59-82        | 121             | 92          | 16           | 54            |
| DEKALB         | DKC65-95 RIB    | <b>147</b>      | 112         | 17           | 58            |
| DYNA-GRO       | D43VC81         | 114             | 87          | 14           | 56            |
| DYNA-GRO       | D45TC55         | 130             | 99          | 14           | 56            |
| DYNA-GRO       | D48QV22         | <b>138</b>      | 105         | 15           | 55            |
| GOLDEN HARVEST | G13N18-3111     | <b>148</b>      | 113         | 18           | 53            |
| LEWIS          | 10DP719         | 115             | 88          | 16           | 55            |
| LEWIS          | 14DD849         | <b>154</b>      | 117         | 16           | 56            |
| LEWIS          | 15DP899         | <b>146</b>      | 111         | 17           | 57            |
| LEWIS          | 16DP850         | <b>144</b>      | 110         | 17           | 58            |
| LEWIS          | 16DP887         | 133             | 101         | 19           | 55            |
| MATURITY CHECK | FULL            | <b>150</b>      | 114         | 17           | 57            |
| MATURITY CHECK | MID             | 115             | 88          | 16           | 56            |
| MATURITY CHECK | SHORT           | 130             | 99          | 15           | 57            |
| MIDLAND        | 381VLGA EZ1     | 127             | 97          | 15           | 54            |
| MIDLAND        | 570PR RIB       | 109             | 83          | 16           | 57            |
| MIDLAND        | 621PR           | 135             | 103         | 18           | 57            |
| MIDLAND        | 662TRE          | <b>139</b>      | 106         | 16           | 55            |
| MIDLAND        | 721PR RIB       | 119             | 91          | 17           | 59            |
| MIDLAND        | 782PR           | 123             | 94          | 17           | 56            |
| NK             | NK1284-3220-EZ1 | 134             | 102         | 15           | 57            |
| NK             | NK1354          | 128             | 97          | 15           | 55            |
|                | AVERAGE         | 131             | 100         | 16           | 56            |
|                | CV (%)          | 9               | 9           | 2            | 1             |
|                | LSD (0.05)      | 17              | 15          | 1            | 1             |

\*Yields must differ by more than the LSD value to be considered statistically different.

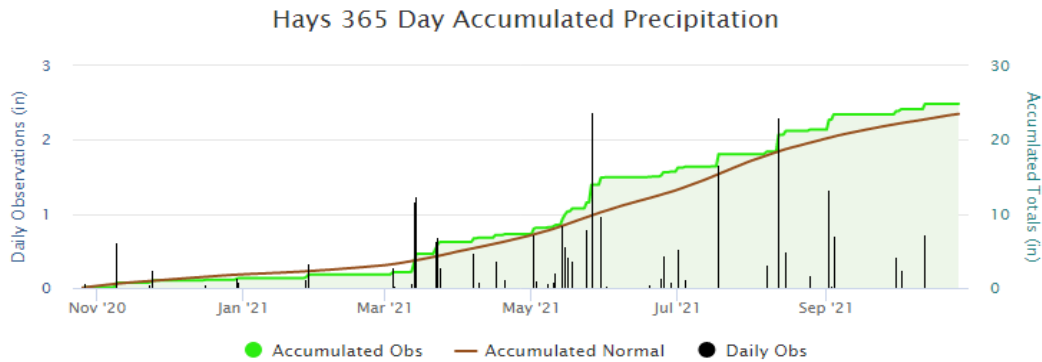
Top LSD group in bold.

**Table 11. Hays, Kansas Dryland Corn Performance Test, Ellis County, 2021**

Kansas Agricultural Research Center, Hays

Planted: 4/30/2021

Harvested: 9/27/2021



| Brand          | Name        | Yield<br>(bu/a) | PAVG<br>(%) | Moist<br>(%) | TW<br>(lb/bu) |
|----------------|-------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM     | <b>135.2</b>    | 108.3       | 12.7         | 53.1          |
| BECKS          | 5909 AM     | <b>138.4</b>    | 110.8       | 12.8         | 53.7          |
| BECKS          | 6282 AM     | <b>129.4</b>    | 103.7       | 13.0         | 54.3          |
| BECKS          | 6414 V2P    | 128.5           | 102.9       | 15.4         | 53.8          |
| DYNA-GRO       | D43VC81     | 115.7           | 92.7        | 12.0         | 51.4          |
| DYNA-GRO       | D45TC55     | <b>132.0</b>    | 105.7       | 11.7         | 53.0          |
| DYNA-GRO       | D48QV22     | 114.8           | 92.0        | 11.9         | 51.6          |
| DYNA-GRO       | D49SS70     | 118.0           | 94.6        | 12.8         | 55.2          |
| GOLDEN HARVEST | G13N18-3111 | <b>136.0</b>    | 109.0       | 15.7         | 50.1          |
| LEWIS          | 10DP719     | 101.3           | 81.2        | 12.7         | 54.4          |
| LEWIS          | 14DD849     | <b>131.6</b>    | 105.4       | 15.9         | 53.4          |
| LEWIS          | 15DP899     | 118.7           | 95.1        | 15.1         | 54.4          |
| MATURITY CHECK | FULL        | <b>138.0</b>    | 110.6       | 16.4         | 54.3          |
| MATURITY CHECK | MID         | 107.3           | 86.0        | 11.6         | 53.2          |
| MATURITY CHECK | SHORT       | <b>131.1</b>    | 105.0       | 10.1         | 53.7          |
| RENK           | RK882TRE    | 113.0           | 90.5        | 14.8         | 52.4          |
| RENK           | RK907SSTX   | 129.1           | 103.4       | 14.9         | 53.9          |
| RENK           | RK915VT2P   | 129.1           | 103.4       | 15.7         | 52.0          |
| RENK           | RK945DGVT2P | 124.5           | 99.7        | 16.2         | 51.6          |
|                | AVERAGE     | 124.8           | 100.0       | 13.8         | 55.1          |
|                | CV (%)      | 9.0             | 9.0         | 4.1          | 3.2           |
|                | LSD (0.05)  | 9.2             | 6.2         | 3.0          | 2.5           |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD values in bold.**



**Table 12. Colby, Kansas Irrigated Corn Performance Test, Thomas County, 2021**

Northwest Research-Extension Center, Colby

Planted: 5/6/2021

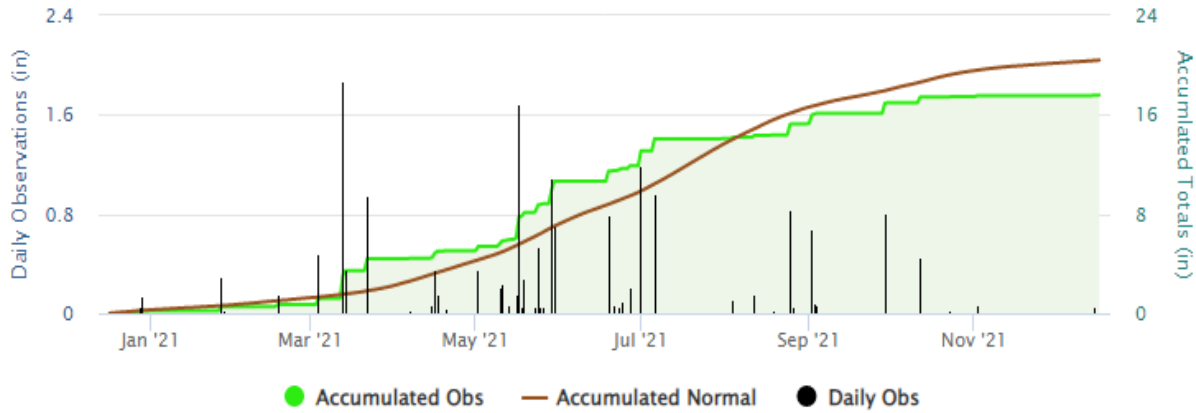
235-60-0 lb/a N, P, K

Atrazine 4L 16 oz/a, Detonate 16 oz/a, Buccaneer 5Extra 32 oz/a, Mesotrione 3 oz/a, Basis Blend 1 oz/a on 4/2/21;

Atrazine 4L 24 oz/a, Brawl II 32 oz/a, Buccaneer 5Extra 32 oz/a, Mesotrione 4SC 4 oz/a, Status 10 oz/a on 5/8/21

Irrigation: 12.3 inches

Colby 365 Day Accumulated Precipitation



| BRAND          | NAME        | YIELD<br>(bu/a) | PAVG<br>(%) | MOIST<br>(%) | TW<br>(lb/bu) | DAYS<br>(silk) | HT<br>(in) |
|----------------|-------------|-----------------|-------------|--------------|---------------|----------------|------------|
| BECKS          | 5765 AM     | 259             | 94          | 12           | 50            | 73             | 95         |
| BECKS          | 5909 AM     | 269             | 98          | 11           | 55            | 75             | 93         |
| BECKS          | 6282 AM     | <b>308</b>      | 112         | 13           | 60            | 74             | 92         |
| BECKS          | 6414 V2P    | 288             | 105         | 13           | 56            | 76             | 90         |
| DYNA-GRO       | D48QV22     | 278             | 101         | 12           | 52            | 76             | 93         |
| DYNA-GRO       | D49SS70     | 262             | 96          | 11           | 51            | 73             | 93         |
| DYNA-GRO       | D50VC09     | 268             | 98          | 12           | 51            | 74             | 93         |
| DYNA-GRO       | D50VC78     | 293             | 107         | 11           | 54            | 71             | 91         |
| DYNA-GRO       | D51SS41     | 263             | 96          | 12           | 50            | 71             | 87         |
| GOLDEN HARVEST | G13N18-3111 | 286             | 104         | 17           | 51            | 77             | 96         |
| MATURITY CHECK | FULL        | 267             | 97          | 15           | 54            | 77             | 97         |
| MATURITY CHECK | MID         | 238             | 87          | 12           | 55            | 74             | 94         |
| MATURITY CHECK | SHORT       | 231             | 84          | 11           | 50            | 71             | 90         |
| RENK           | RK882TRE    | 288             | 105         | 13           | 54            | 73             | 93         |
| RENK           | RK907SSTX   | <b>319</b>      | 116         | 13           | 60            | 74             | 92         |
| RENK           | RK915VT2P   | <b>303</b>      | 111         | 14           | 56            | 73             | 91         |
| RENK           | RK945DGV2P  | 240             | 88          | 14           | 52            | 73             | 94         |
|                | AVERAGE     | 274             | 100         | 13           | 54            | 73             | 92         |
|                | CV (%)      | 7               | 7           | 4            | 3             | 1              | 3          |
|                | LSD (0.05)  | 22              | 10          | 2            | 2             | 1              | 3          |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD group in bold.**

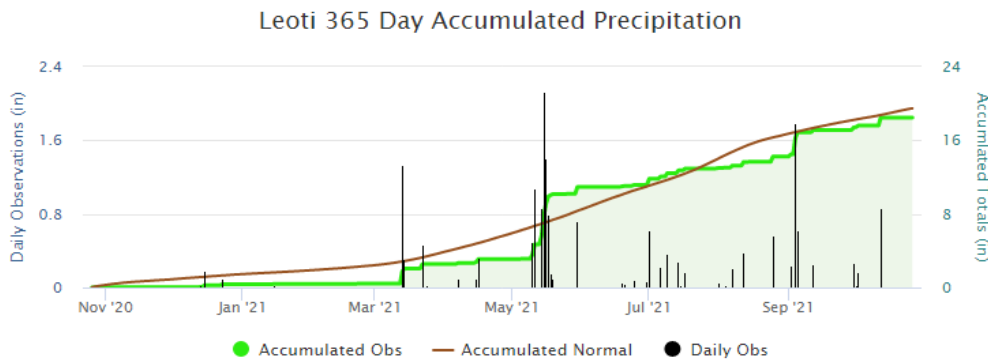
**Table 13. Leoti, Kansas Irrigated Corn Performance Test, Wichita County, 2021**

Private Farm, Wichita County, 38.54192413, -101.2303249

Planted: 5/4/2021

Previous crop: corn

Strip-tillage; pivot irrigation



| Brand          | Name        | Yield<br>(bu/a) | PAVG<br>(%) | Moist<br>(%) | TW<br>(lb/bu) |
|----------------|-------------|-----------------|-------------|--------------|---------------|
| BECKS          | 5765 AM     | <b>207.7</b>    | 105.5       | 16.8         | 61.5          |
| BECKS          | 5909 AM     | <b>213.9</b>    | 108.6       | 15.5         | 62.3          |
| BECKS          | 6282 AM     | 188.6           | 95.7        | 17.4         | 62.1          |
| BECKS          | 6414 V2P    | 201.6           | 102.3       | 17.1         | 62.2          |
| DYNA-GRO       | D48QV22     | <b>210.3</b>    | 106.7       | 16.8         | 59.8          |
| DYNA-GRO       | D49SS70     | 193.6           | 98.3        | 15.6         | 63.3          |
| DYNA-GRO       | D50VC09     | 177.7           | 90.2        | 15.7         | 60.6          |
| DYNA-GRO       | D50VC78     | 203.0           | 103.1       | 17.7         | 60.9          |
| DYNA-GRO       | D51SS41     | 191.3           | 97.1        | 16.3         | 62.0          |
| GOLDEN HARVEST | G13N18-3111 | 196.5           | 99.8        | 22.9         | 56.1          |
| LEWIS          | 14DD849     | 205.8           | 104.5       | 18.4         | 60.5          |
| MATURITY CHECK | FULL        | 193.8           | 98.4        | 17.2         | 62.2          |
| MATURITY CHECK | MID         | 198.9           | 100.9       | 15.7         | 62.5          |
| MATURITY CHECK | SHORT       | 185.6           | 94.2        | 15.3         | 62.8          |
| RENK           | RK882TRE    | 197.0           | 100.0       | 16.9         | 61.3          |
| RENK           | RK907SSTX   | 191.4           | 97.2        | 14.8         | 63.7          |
| RENK           | RK915VT2P   | 205.4           | 104.3       | 18.0         | 61.9          |
| RENK           | RK945DGVT2P | 183.6           | 93.2        | 20.9         | 58.9          |
|                | AVERAGE     | 197.0           | 100.0       | 17.1         | 61.4          |
|                | CV (%)      | 8.3             | 8.3         | 3.3          | 0.7           |
|                | LSD (0.05)  | 7.9             | 4.0         | 0.6          | 0.6           |

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD value in bold.**

**Table 14. Entries in the 2021 Kansas Corn Performance Tests\***

|                       | <b>SD TRT*</b> | <b>DBL</b> | <b>RES</b>   |             | <b>SD TRT</b> | <b>DBL</b> | <b>RES</b> |
|-----------------------|----------------|------------|--------------|-------------|---------------|------------|------------|
| <b>BECKS</b>          |                |            |              | <b>RENK</b> |               |            |            |
| 5765 AM               | P/V500         | 107        | AcreMax      | RK782VT2P   | ACC250        | 109        | VT2P       |
| 5909 AM               | P/V500         | 109        | AcreMax      | RK821SSTX   | ACC250        | 111        | Smart Stax |
| 6282 AM               | P/V500         | 112        | AcreMax      | RK826VT2P   | ACC250        | 111        | VT2P       |
| 6414 V2P              | P/V500         | 114        | AcreMax      | RK882TRE    | ACC250        | 111        | Trecepta   |
| <b>DEKALB</b>         |                |            |              | RK907SSTX   | ACC250        | 115        | Smart Stax |
| DKC59-82              | ACC/VOT        | 109        | VT2PRIB      | RK915VT2P   | ACC250        | 115        | VT2P       |
| DKC65-95 RIB          | ACC/VOT        | 115        | VT2PRIB      | RK945DGV2P  | AC250         | 115        | VT2P       |
| <b>DYNA-GRO</b>       |                |            |              |             |               |            |            |
| D43VC81               | ACC/P500       | 103        | VT2P         |             |               |            |            |
| D45TC55               | ACC/P500       | 105        | Trecepta     |             |               |            |            |
| D48QV22               | ACC/P500       | 108        | VT2PRIB      |             |               |            |            |
| D49SS70               | ACC/P500       | 109        | Smart Stax   |             |               |            |            |
| D50VC09               | ACC/P500       | 110        | VT2PRIB      |             |               |            |            |
| D50VC78               | ACC/P500       | 110        | VT2PRIB      |             |               |            |            |
| D51SS41               | ACC/P500       | 111        | Smart Stax   |             |               |            |            |
| D51SS61               | ACC/P500       | 111        | Smart Stax   |             |               |            |            |
| D52DC82               | ACC/P500       | 112        | DGVT2PRIB    |             |               |            |            |
| D53TC19               | ACC/P500       | 113        | Trecepta     |             |               |            |            |
| D57TC29               | ACC/P500       | 117        | Trecepta     |             |               |            |            |
| D57VC17               | ACC/P500       | 117        | VT2P         |             |               |            |            |
| D58VC65               | ACC/P500       | 118        | VT2P         |             |               |            |            |
| <b>GOLDEN HARVEST</b> |                |            |              |             |               |            |            |
| G13N18-3111           | P/VOT          | 113        | AgriSure Vip |             |               |            |            |
| <b>LEWIS</b>          |                |            |              |             |               |            |            |
| 10DP719               | P/VOT          | 110        | VT2PRIB      |             |               |            |            |
| 14DD849               | P/VOT          | 114        | DGVT2PRIB    |             |               |            |            |
| 15DP899               | P/VOT          | 115        | VT2PRIB      |             |               |            |            |
| 16DP850               | P/VOT          | 116        | VT2PRIB      |             |               |            |            |
| 16DP887               | P/VOT          | 116        | VT2PRIB      |             |               |            |            |
| <b>MATURITY CHECK</b> |                |            |              |             |               |            |            |
| SHORT                 | --             | 106        | AQUAmax      |             |               |            |            |
| MID                   | --             | 112        | AQUAmax      |             |               |            |            |
| FULL                  | --             | 118        | AQUAmax      |             |               |            |            |
| <b>MIDLAND</b>        |                |            |              |             |               |            |            |
| 381VLGA EZ1           | CM/VIB         | 108        | 3330         |             |               |            |            |
| 570PR RIB             | ACC250         | 112        | VT2P         |             |               |            |            |
| 662TRE                | P/VOT          | 113        | Trecepta     |             |               |            |            |
| 621PR                 | P/VOT          | 114        | VT2PRIB      |             |               |            |            |
| 721PR RIB             | ACC            | 115        | VT2P         |             |               |            |            |
| 782PR                 | P/VOT          | 115        | VT2PRIB      |             |               |            |            |
| <b>NK</b>             |                |            |              |             |               |            |            |
| NK1354                | AV500          | 112        | HX/LL        |             |               |            |            |
| NK1284-3220-EZ1       | AV500          | 113        | HX/LL        |             |               |            |            |
| <b>RENK</b>           |                |            |              |             |               |            |            |
| RK710DGV2P            | AC250          | 106        | VT2P         |             |               |            |            |

\*SD TRT = Seed treatment (C = Cruiser, ACC = Acceleron, P = Poncho, VOT = Votivo. Numbers indicate rates (if available)); DBL = days to black layer; RES = herbicide, disease, and insect resistance traits. 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:

***[agronomy.k-state.edu/services/crop-performance-tests/index.html](http://agronomy.k-state.edu/services/crop-performance-tests/index.html)***

Excerpts from the  
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Permission is hereby given to Kansas State University to test varieties and/or hybrids designated on the attached entry forms in the manner indicated in the test announcements. I certify that seed submitted for testing is a true sample of the seed being offered for sale.

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