



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

## Rosenberg 2025 Grain Sorghum Performance Trial



| Brand    | Hybrid     | Days to<br>50% Flower | Plant<br>Height (in) | Head Ex<br>(in) | Lodging<br>(%) | Moisture<br>(%) | Test Weight<br>(lbs/bu) | Yield *<br>(lbs/acre) |     |
|----------|------------|-----------------------|----------------------|-----------------|----------------|-----------------|-------------------------|-----------------------|-----|
| DEKALB   | DKS 44-07  | 68                    | 53                   | 2               | 0              | 13.1            | 60.4                    | 6,648                 | a   |
| DEKALB   | DKS 36-07  | 65                    | 51                   | 4               | 0              | 11.9            | 58.6                    | 6,490                 | ab  |
| DEKALB   | DKS 49-76  | 69                    | 52                   | 6               | 0              | 12.5            | 58.9                    | 6,310                 | abc |
| DEKALB   | DKS 43-76  | 68                    | 53                   | 5               | 0              | 12.2            | 58.6                    | 6,162                 | abc |
| Dyna-Gro | M62GB36    | 68                    | 50                   | 3               | 0              | 12.1            | 59.1                    | 6,006                 | abc |
| Dyna-Gro | M70GR37    | 68                    | 53                   | 4               | 0              | 13.4            | 60.7                    | 5,923                 | abc |
| DEKALB   | DKS 45-60  | 69                    | 53                   | 8               | 0              | 13.9            | 61.4                    | 5,598                 | bcd |
| DEKALB   | DKS 40-76  | 68                    | 52                   | 5               | 0              | 11.9            | 58.0                    | 5,584                 | bcd |
| Dyna-Gro | M66GR32    | 69                    | 55                   | 3               | 0              | 13.4            | 60.9                    | 5,468                 | cd  |
| Dyna-Gro | M71GR91    | 70                    | 53                   | 3               | 0              | 13.4            | 60.2                    | 4,950                 | de  |
| Dyna-Gro | M72GB71    | 70                    | 56                   | 5               | 0              | 13.2            | 59.0                    | 4,874                 | de  |
| Dyna-Gro | M64GB05 DT | 64                    | 49                   | 2               | 0              | 11.2            | 57.0                    | 4,245                 | e   |

\*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

# Rosenberg

## 2025 Grain Sorghum Performance Trial

| Brand                        | Hybrid | Days to<br>50% Flower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Plant<br>Height (in) | Head Ex<br>(in)               | Lodging<br>(%) | Moisture<br>(%) | Test Weight<br>(lbs/bu) | Yield *<br>(lbs/acre) |
|------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|----------------|-----------------|-------------------------|-----------------------|
| <b>Agronomic information</b> |        | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 68                   | 53                            | 4              | 0.0             | 59.4                    | 5,688                 |
| Plant Date                   |        | C.V. %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.5                  | 5.3                           | 41.0           | 7.8             | 1.2                     | 12.0                  |
| Harvest Date                 |        | P>f (hybrid)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.000                | 0.083                         |                | 0.011           | 0.000                   | 0.000                 |
| Irrigated                    |        | <b>Trial Notes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                               |                |                 |                         |                       |
| Row Spacing (in)             |        | <p><b>Cooperator:</b> Alan Stasney</p> <p>Four replications of each hybrid are planted in a randomized block design. Grain yield was analyzed using a linear mixed model (REML) with hybrid as a fixed effect, block as a random effect, and exponential spatial correlation structure based on plot coordinates. LSD provided when hybrid significant at p &lt; 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. All other hybrids followed by the same letter are considered to have similar yield. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date using MeteoStat in Python 3.11. For additional information contact:</p> <p>Dr. Ronnie Schnell / Katrina Horn<br/>ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu<br/>979-321-5939 / 979-845-8505</p> |                      |                               |                |                 |                         |                       |
| Number of Rows               |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                               |                |                 |                         |                       |
| Target Seeds per Acre        |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                               |                |                 |                         |                       |
| Precipitation (in)           |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                               |                |                 |                         |                       |
| Irrigation (in)              |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                               |                |                 |                         |                       |
| Herbicide                    |        | <p>* Mehlich 3 by ICP, soiltesting.tamu.edu</p> <p>** Samples collected at planting, some locations may have applied fertilizer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                               |                |                 |                         |                       |
| Soil Type                    |        | <b>Fertilizer Applied</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      | <b>Soil Analysis Report**</b> |                |                 |                         |                       |
| Tillage                      |        | N (lb/ac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO3-N (ppm)          | pH                            |                |                 |                         |                       |
| Previous Crop                |        | P2O5 (lb/ac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P (ppm)*             | Conductivity (umho/cm)        |                |                 |                         |                       |
|                              |        | K2O (lb/ac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | K (ppm)*             | Ca (ppm)*                     |                |                 |                         |                       |
|                              |        | S (lb/ac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | S (ppm)*             | Mg (ppm)*                     |                |                 |                         |                       |
|                              |        | Zn (lb/ac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      | Na (ppm)*                     |                |                 |                         |                       |

\*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

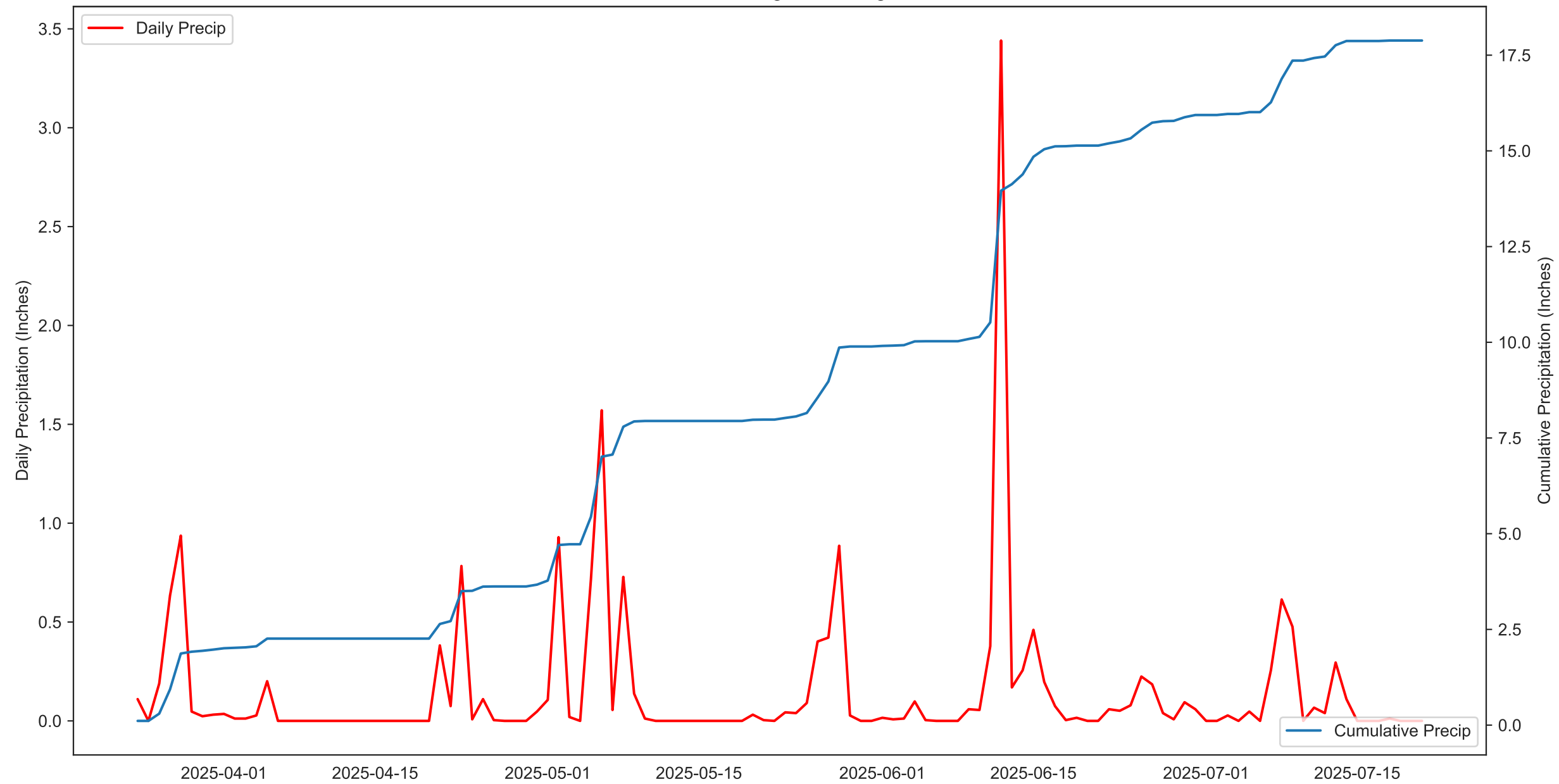
Grain Sorghum  
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Multi-Year Summary



| Company    | Brand    | Hybrid    | 2 YR<br>AVG Yield<br>lb/Acre | 3 YR<br>AVG Yield<br>lb/Acre |
|------------|----------|-----------|------------------------------|------------------------------|
| Bayer      | DEKALB   | DKS 44-07 | 6,963                        | 7,332                        |
| Bayer      | DEKALB   | DKS 36-07 | 5,973                        |                              |
| Nutrien Ag | Dyna-Gro | M62GB36   | 5,757                        |                              |
| Bayer      | DEKALB   | DKS 45-60 | 5,732                        | 6,493                        |
| Nutrien Ag | Dyna-Gro | M66GR32   | 5,678                        |                              |
| Nutrien Ag | Dyna-Gro | M70GR37   | 5,403                        |                              |
| Bayer      | DEKALB   | DKS 40-76 | 5,263                        | 6,052                        |
| Nutrien Ag | Dyna-Gro | M72GB71   | 5,189                        | 6,302                        |
| Nutrien Ag | Dyna-Gro | M71GR91   | 4,870                        | 5,910                        |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

2025 Rosenberg Grain Sorghum



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