TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Dumas
# 2025 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| Brand | Hybrid | GE Trait(s) | Days to 50% Silk | Plant Height (in) | Ear Height (in) | Plants per Acre | Moisture | Test Weight | Yield (bu/acre) | |
|---|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 110-41TRE | Trecepta | 75 | 106 | 47 | 30,565 | 20.3 | 55.7 | 292 | a |
| Integra | 6386PCE | Powercore | 79 | 107 | 46 | 29,984 | 22.7 | 53.8 | 286 | ab |
| DEKALB | DKC 117-27VT4P | VT4PRO with RNAi | 77 | 107 | 53 | 31,581 | 24.3 | 54.1 | 277 | abc |
| Integra | 6915TRE | Trecepta | 79 | 109 | 55 | 31,581 | 26.0 | 53.9 | 276 | abc |
| Integra | 6624TRE | Trecepta | 78 | 104 | 46 | 31,508 | 23.8 | 55.1 | 274 | bcd |
| Croplan | CP5336VT2P | Genuity VT Double PRO | 77 | 107 | 50 | 31,944 | 20.8 | 56.6 | 274 | bcd |
| Croplan | CP5911VT2P | Genuity VT Double PRO | 79 | 112 | 55 | 31,000 | 24.4 | 53.5 | 273 | bcd |
| DEKALB | DKC 66-06TRE | Trecepta | 78 | 109 | 48 | 31,291 | 22.9 | 56.1 | 272 | bcd |
| DEKALB | DKC 113-83TRE | Trecepta | 76 | 109 | 48 | 32,162 | 20.1 | 57.1 | 269 | cde |
| Croplan | CP5363TRE | Trecepta | 77 | 106 | 47 | 29,258 | 23.3 | 55.0 | 269 | cde |
| Croplan | CP5760TRE | Trecepta | 78 | 109 | 45 | 30,395 | 27.9 | 53.5 | 266 | cdef |
| Integra | 6493VT2P | Genuity VT Double PRO | 77 | 110 | 48 | 28,169 | 23.4 | 54.7 | 264 | cdef |
| DEKALB | DKC 68-35VT2 | Genuity VT Double PRO | 77 | 108 | 51 | 30,565 | 22.4 | 56.8 | 263 | cdef |
| Integra | 6342TRE | Trecepta | 76 | 104 | 47 | 28,532 | 21.0 | 55.1 | 262 | cdef |
| DEKALB | DKC 114-43VT2P | Genuity VT Double PRO | 75 | 102 | 45 | 28,967 | 21.0 | 57.6 | 261 | cdef |
| DEKALB | DKC 117-78VT2P | Genuity VT Double PRO | 79 | 107 | 47 | 31,291 | 22.3 | 55.7 | 258 | def |
| DEKALB | DKC 106-98VT4P | VT4PRO with RNAi | 74 | 101 | 45 | 30,928 | 19.0 | 57.4 | 253 | ef |
| Integra | 6641SS | SmartStax | 77 | 104 | 50 | 30,202 | 26.7 | 53.2 | 252 | ef |
| Croplan | CP5682TRE | Trecepta | 79 | 110 | 54 | 31,654 | 25.9 | 53.0 | 249 | f |

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

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| Brand | Hybrid | GE Trait(s) | Days to 50% Silk | Plant Height (in) | Ear Height (in) | Plants per Acre | Moisture | Test Weight | Yield (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 77 | 107 | 49 | 30,609 | 23.0 | 55.1 | 268 |
| | C.V. % | | 2.5 | 3.0 | 6.9 | | 8.3 | 1.9 | 4.5 |
| | P>f (hybrid) | | 0.010 | 0.002 | 0.000 | | 0.000 | 0.000 | 0.000 |

## Agronomic information

| | |
|---|---|
| Plant Date | 5/1/2025 |
| Harvest Date | 10/1/2025 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 32,000 |
| Precipitation (in) | 13.17 |
| Irrigation (in) | |
| Herbicide | |
| Soil Type | Sherm silty clay |
| Tillage | Strip-till |
| Previous Crop | Wheat |

## Trial Notes

Cooperator: Lone Star Family Farms

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 $p < 0.05$. 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:

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979-321-5939 / 979-845-8505

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 176 | pH | 7.6 |
| P (ppm)* | 188 | Conductivity (umho/cm) | 786 |
| K (ppm)* | 650 | Ca (ppm)* | 3,555 |
| S (ppm)* | 67 | Mg (ppm)* | 667 |
| | | Na (ppm)* | 36 |

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

# Dumas
# 2025
# Performance Trial

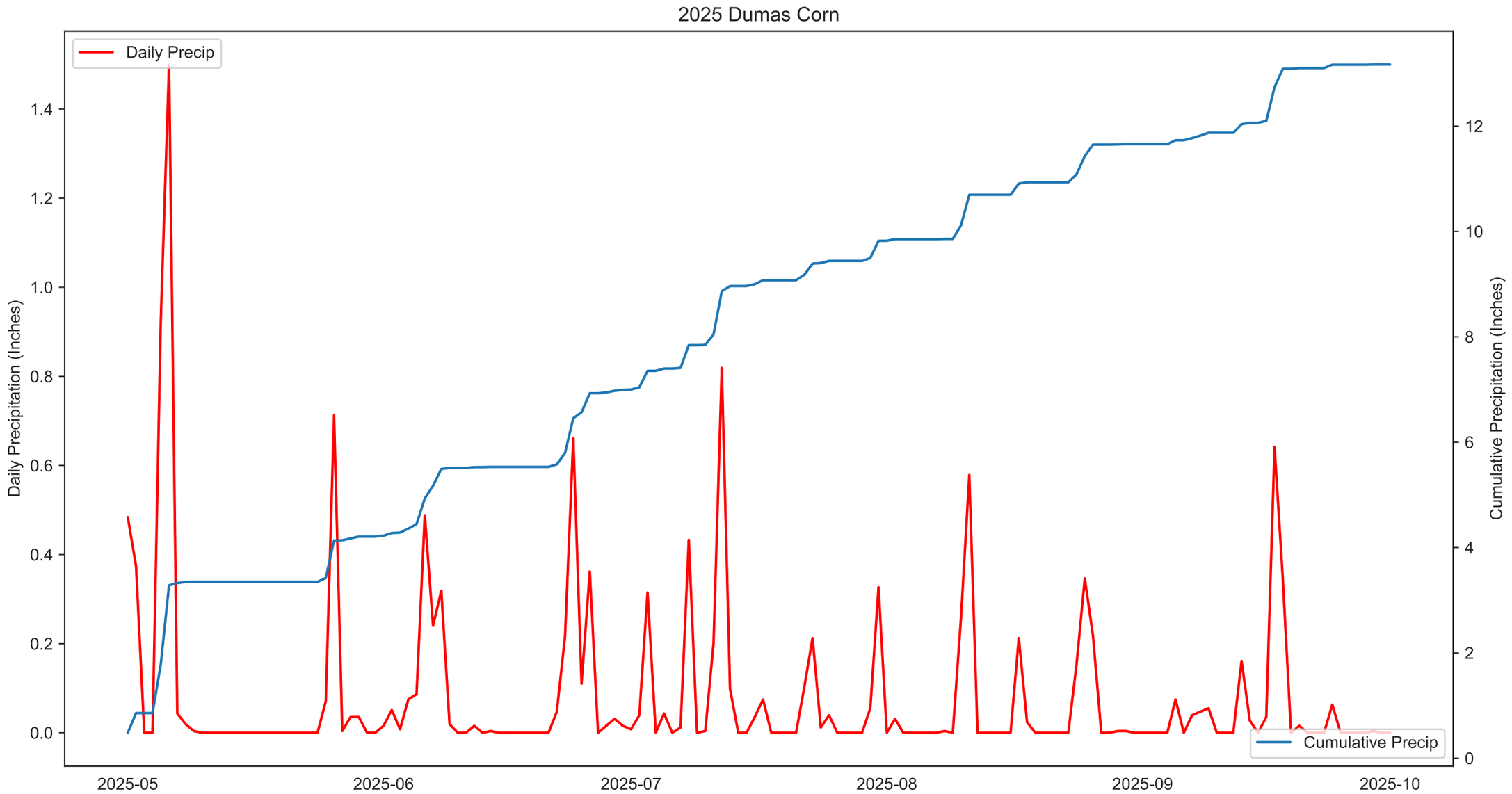
TEXAS A&M AGRILIFE RESEARCH

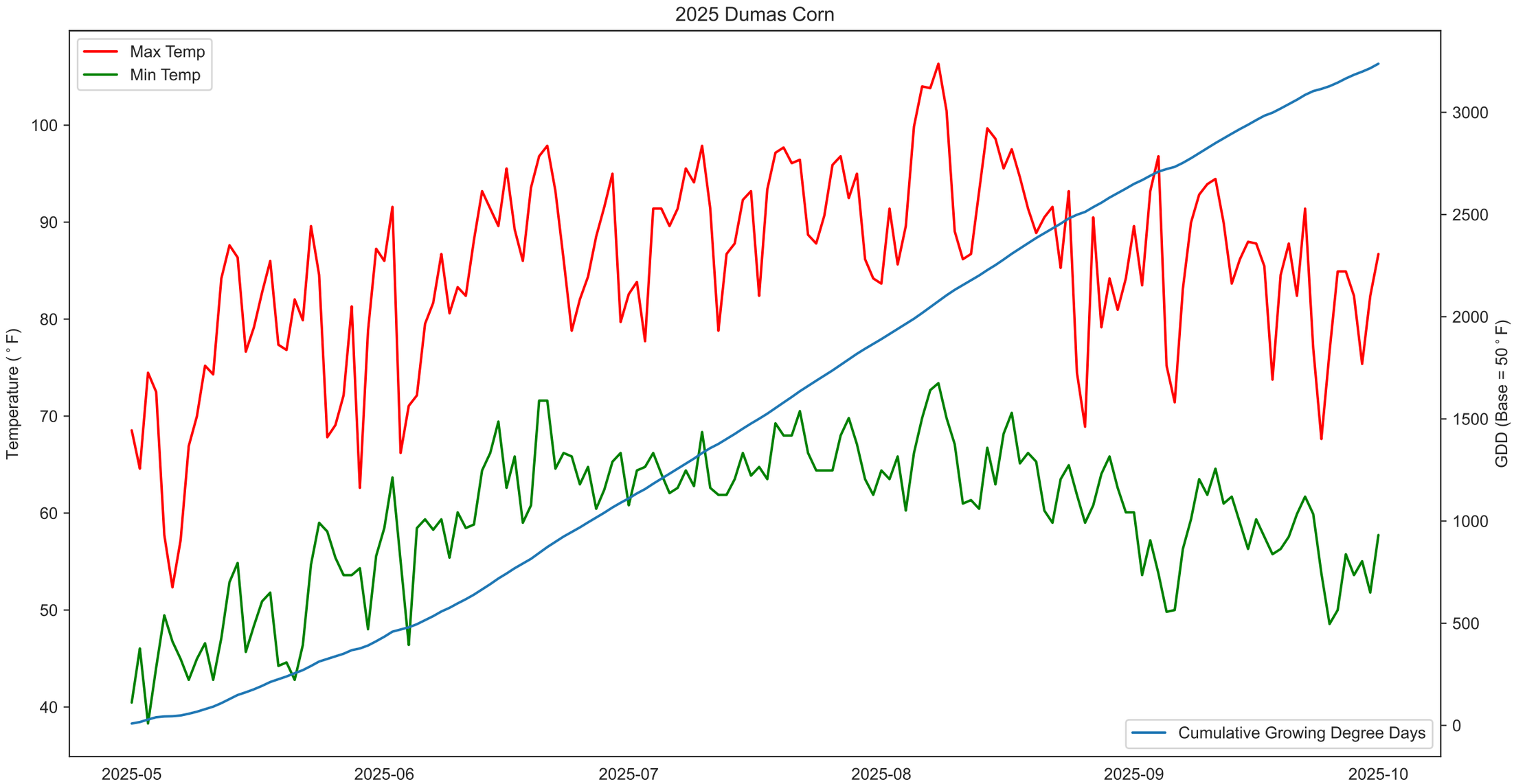
| Brand | Hybrid | GE Trait(s) | Wildlife Damage (%) | Oil (%) | Protein (%) | Starch (%) | Erect (%) |
|---|---|---|---|---|---|---|---|
| Croplan | CP5336VT2P | Genuity VT Double PRO | 0 | 2.9 | 6.1 | 60.8 | 100 |
| Croplan | CP5363TRE | Trecepta | 0 | 3.0 | 5.8 | 61.2 | 99 |
| Croplan | CP5682TRE | Trecepta | 0 | 2.6 | 5.9 | 60.6 | 100 |
| Croplan | CP5760TRE | Trecepta | 0 | 2.6 | 5.8 | 60.2 | 100 |
| Croplan | CP5911VT2P | Genuity VT Double PRO | 0 | 2.7 | 5.6 | 61.4 | 98 |
| DEKALB | DKC 106-98VT4P | VT4PRO with RNAi | 0 | 2.9 | 6.9 | 60.4 | 100 |
| DEKALB | DKC 110-41TRE | Trecepta | 0 | 2.8 | 6.0 | 61.2 | 100 |
| DEKALB | DKC 113-83TRE | Trecepta | 0 | 2.8 | 6.2 | 60.8 | 100 |
| DEKALB | DKC 114-43VT2P | Genuity VT Double PRO | 0 | 3.0 | 5.9 | 61.0 | 100 |
| DEKALB | DKC 117-27VT4P | VT4PRO with RNAi | 0 | 2.7 | 6.3 | 60.4 | 100 |
| DEKALB | DKC 117-78VT2P | Genuity VT Double PRO | 0 | 3.0 | 5.8 | 61.0 | 100 |
| DEKALB | DKC 66-06TRE | Trecepta | 0 | 2.8 | 5.5 | 61.7 | 99 |
| DEKALB | DKC 68-35VT2 | Genuity VT Double PRO | 0 | 2.8 | 5.6 | 61.5 | 100 |
| Integra | 6342TRE | Trecepta | 0 | 2.8 | 6.1 | 61.0 | 99 |
| Integra | 6386PCE | Powercore | 0 | 2.8 | 5.5 | 61.5 | 100 |
| Integra | 6493VT2P | Genuity VT Double PRO | 0 | 2.7 | 6.2 | 60.7 | 100 |
| Integra | 6624TRE | Trecepta | 0 | 3.0 | 5.6 | 61.4 | 99 |
| Integra | 6641SS | SmartStax | 0 | 2.6 | 5.9 | 60.6 | 100 |
| Integra | 6915TRE | Trecepta | 0 | 2.6 | 5.7 | 61.0 | 100 |
| | | Mean | 0.0 | 2.8 | 5.9 | 61.0 | 100 |

# Corn
# Dumas
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Wilbur-Ellis Company | Integra | 6915TRE | 273 | |
| Winfield United | Croplan | CP5760TRE | 272 | |
| Winfield United | Croplan | CP5363TRE | 270 | |
| Wilbur-Ellis Company | Integra | 6624TRE | 269 | |
| Wilbur-Ellis Company | Integra | 6493VT2P | 268 | |
| Bayer | DEKALB | DKC 113-83TRE | 267 | |
| Wilbur-Ellis Company | Integra | 6342TRE | 265 | |
| Bayer | DEKALB | DKC 68-35VT2 | 265 | |
| Bayer | DEKALB | DKC 66-06TRE | 265 | |
| Bayer | DEKALB | DKC 117-78VT2P | 252 | |
| Wilbur-Ellis Company | Integra | 6641SS | 248 | |
| Winfield United | Croplan | CP5682TRE | 247 | |

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 Dumas Corn
Daily Precip
Cumulative Precip
Daily Precipitation (Inches)
Cumulative Precipitation (Inches)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
2
4
6
8
10
12
2025-05
2025-06
2025-07
2025-08
2025-09
2025-10


2025 Dumas Corn
Max Temp
Min Temp
Cumulative Growing Degree Days
Temperature (° F)
GDD (Base = 50 ° F)
100
90
80
70
60
50
40
3000
2500
2000
1500
1000
500
0
2025-05
2025-06
2025-07
2025-08
2025-09
2025-10