TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# College Station
# 2022 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 (lb/bu) | Yield (bu/acre) |
|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 64 | 87 | 38 | 30,843 | 13.6 | 60.7 | 189 |
| Integra | 6641SS | SmartStax | 62 | 85 | 36 | 30,633 | 12.5 | 58.9 | 176 |
| Integra | 6493VT | Genuity VT Double PRO | 64 | 86 | 34 | 28,033 | 11.7 | 58.5 | 175 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 64 | 86 | 37 | 29,649 | 12.0 | 59.1 | 174 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 63 | 89 | 35 | 30,422 | 12.2 | 59.7 | 173 |
| Integra | 6695TRE | Genuity Trecepta | 61 | 81 | 34 | 29,860 | 12.3 | 60.1 | 172 |
| Integra | CX001117TRE | Genuity Trecepta | 65 | 86 | 30 | 31,897 | 11.0 | 57.1 | 172 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 65 | 86 | 37 | 31,054 | 14.2 | 59.2 | 171 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 65 | 86 | 35 | 31,054 | 12.0 | 58.3 | 171 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 64 | 88 | 36 | 29,368 | 12.6 | 59.3 | 170 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 62 | 88 | 35 | 28,384 | 12.0 | 58.6 | 168 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 63 | 85 | 34 | 31,616 | 11.0 | 57.5 | 167 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 64 | 82 | 31 | 30,773 | 12.5 | 60.2 | 166 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 66 | 86 | 35 | 31,124 | 14.1 | 60.0 | 165 |
| Integra | 6342TRE | Genuity Trecepta | 61 | 86 | 33 | 25,293 | 12.1 | 57.3 | 164 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 64 | 85 | 35 | 28,806 | 13.3 | 59.7 | 163 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 61 | 85 | 34 | 30,351 | 11.8 | 58.4 | 161 |
| Integra | 6410SS | SmartStax | 61 | 82 | 32 | 28,455 | 11.5 | 59.0 | 156 |
| Progeny | PGY8116SS | SmartStax | 65 | 89 | 37 | 27,752 | 13.7 | 60.0 | 154 |
| Integra | 6720SS | Genuity SmartStax | 65 | 88 | 39 | 31,757 | 13.3 | 60.2 | 153 |
| Progeny | PGY2215TRE | Genuity Trecepta | 64 | 87 | 35 | 30,562 | 12.3 | 59.2 | 150 |

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

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|---|---|---|---|---|---|---|---|---|---|
| Integra | 6811VT | Genuity VT Double PRO | 65 | 86 | 33 | 28,736 | 13.2 | 60.2 | 148 |
| Integra | 6533VT | Genuity VT Double PRO | 62 | 83 | 35 | 30,422 | 12.7 | 58.9 | 147 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 61 | 88 | 34 | 26,277 | 12.1 | 59.6 | 147 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 60 | 81 | 36 | 23,185 | 11.3 | 58.0 | 134 |

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|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 63 | 86 | 35 | 29,452 | 12.4 | 59.1 | 163 |
| | C.V. % | | 1.5 | 3.5 | 6.8 | 6.4 | 6.8 | 1.2 | 10.4 |
| | P>f (hybrid) | | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 |
| | L.S.D. | | 1.3 | 4.3 | 3.3 | 2,639.9 | 1.2 | 1.0 | 22.0 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/17/2022 |
| Harvest Date | 7/27/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 30,000 |
| Precipitation (in) | 13 |
| Irrigation (in) | |

Herbicide

2.5 qt/ac Acuron

| | |
|---|---|
| Soil Type | Weswood silty clay loam |
| Tillage | Chiseled, disked, bedded |
| Previous Crop | Grain Sorghum |

## Trial Notes

Cooperator: Texas A&M AgriLife Research

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.

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

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 220 |
| P2O5 (lb/ac) | 0 |
| K2O (lb/ac) | 0 |
| S (lb/ac) | 0 |
| Zn (lb/ac) | 0 |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 14 | pH | 7.8 |
| P (ppm)* | 37 | Conductivity (umho/cm) | 316 |
| K (ppm)* | 208 | Ca (ppm)* | 4,157 |
| S (ppm)* | 9 | Mg (ppm)* | 178 |
| | | Na (ppm)* | 12 |

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