

Monte Alto

2022 Corn

Performance Trial

| 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) |
|----------|--------------|--------------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Integra | CX001117TRE | Genuity Trecepta | 63 | 80 | 30 | N/A | 12.2 | 56.5 | 209 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 63 | 81 | 32 | N/A | 13.9 | 58.9 | 198 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 62 | 84 | 32 | N/A | 12.9 | 58.3 | 188 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 63 | 80 | 31 | N/A | 12.1 | 57.2 | 187 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 63 | 72 | 26 | N/A | 12.8 | 58.3 | 184 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 60 | 75 | 30 | N/A | 10.6 | 56.0 | 180 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 62 | 81 | 29 | N/A | 11.7 | 56.4 | 180 |
| Integra | 6641SS | SmartStax | 62 | 78 | 27 | N/A | 12.1 | 56.5 | 179 |
| Integra | 6493VT | Genuity VT Double PRO | 62 | 77 | 27 | N/A | 11.7 | 56.6 | 179 |
| LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | 64 | 83 | 31 | N/A | 13.0 | 58.2 | 176 |
| Integra | 6342TRE | Genuity Trecepta | 61 | 75 | 28 | N/A | 11.6 | 55.7 | 171 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 62 | 81 | 31 | N/A | 12.2 | 56.3 | 169 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 64 | 79 | 30 | N/A | 12.2 | 57.3 | 168 |
| Integra | 6533VT | Genuity VT Double PRO | 61 | 76 | 30 | N/A | 12.6 | 57.7 | 166 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 61 | 79 | 31 | N/A | 11.6 | 57.0 | 166 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 48 | 80 | 27 | N/A | 14.4 | 60.0 | 163 |
| Integra | 6720SS | Genuity SmartStax | 65 | 80 | 32 | N/A | 13.8 | 59.7 | 159 |
| Integra | 6410SS | SmartStax | 60 | 75 | 26 | N/A | 11.6 | 57.4 | 155 |
| Integra | 6811VT | Genuity VT Double PRO | 63 | 79 | 29 | N/A | 13.8 | 59.3 | 151 |
| Integra | 6695TRE | Genuity Trecepta | 60 | 76 | 25 | N/A | 12.0 | 57.7 | 149 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 61 | 77 | 27 | N/A | 11.1 | 56.9 | 149 |

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



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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|----------|-------------|-----------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 64 | 78 | 28 | N/A | 13.7 | 58.2 | 146 |

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



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|--|------------------------|-------------|---|----------------------|--------------------|-------------------------------|------------------------|------------------------|--------------------|
| Agronomic information | | | Mean | 61 | 78 | 29 | 12.4 | 57.5 | 172 |
| Plant Date | 3/2/2022 | | C.V. % | 11.1 | 3.8 | 10.1 | 5.3 | 1.3 | 10.5 |
| Harvest Date | 7/9/2022 | | P>f (hybrid) | 0.502 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 |
| Irrigated | Yes | | L.S.D. | | 4.2 | 4.2 | 0.9 | 1.1 | 25.6 |
| Row Spacing (in) | 30 | | Trial Notes | | | | | | |
| Number of Rows | 2 | | <p>Cooperator: Texas AgriScience</p> <p>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.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu 979-845-2935 / 979-845-8505</p> | | | | | | |
| Target Seeds per Acre | 30,000 | | | | | | | | |
| Precipitation (in) | 9.7 | | <p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p> | | | | | | |
| Irrigation (in) | | | Fertilizer Applied | | | Soil Analysis Report** | | | |
| Herbicide | | | N (lb/ac) | 210 | NO3-N (ppm) | 15 | pH | 8.1 | |
| 3/3/22: 1.66 pt/Ac Dual + 1.5 qt/ac Atrazine 4/6/22: 2 qt/ac Warrant + 1 qt/ac Atrazine | | | P2O5 (lb/ac) | 56 | P (ppm)* | 28 | Conductivity (umho/cm) | 206 | |
| Soil Type | Raymondville clay loam | | K2O (lb/ac) | 0 | K (ppm)* | 521 | Ca (ppm)* | 8,428 | |
| Tillage | Conventional, beds | | S (lb/ac) | 0 | S (ppm)* | 57 | Mg (ppm)* | 644 | |
| Previous Crop | Soybean | | Zn (lb/ac) | 0 | | | Na (ppm)* | 206 | |

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