



Department of Soil and Crop Sciences

Monte Alto 2018 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) |
|--------------|-----------|-----------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| LG Seeds | 5701 | Genuity VT Double PRO | 61 | 80 | 31 | 28,649 | 14.1 | 55.5 | 186 |
| LG Seeds | 68C88 | Genuity VT Double PRO | 61 | 82 | 32 | 29,571 | 14.3 | 56.0 | 181 |
| DEKALB | DKC 62-08 | Genuity SmartStax | 59 | 74 | 32 | 29,571 | 13.8 | 55.7 | 177 |
| REV | 25LPR26 | Leptra | 61 | 88 | 33 | 27,560 | 14.2 | 56.7 | 174 |
| Integra | 6647 | Genuity VT Double PRO | 60 | 78 | 31 | 28,063 | 14.5 | 56.0 | 172 |
| Legend | LR98T16 | Genuity VT Double PRO | 60 | 78 | 30 | 27,393 | 14.1 | 55.6 | 172 |
| REV | 24BHR99 | Optimum Intrasect | 61 | 82 | 30 | 28,733 | 14.3 | 56.2 | 171 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 62 | 80 | 30 | 27,979 | 14.4 | 56.1 | 170 |
| REV | 25LPR89 | Leptra | 61 | 87 | 33 | 28,565 | 14.4 | 56.0 | 167 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 59 | 75 | 27 | 28,146 | 14.2 | 56.2 | 167 |
| REV | 28LPR18 | Leptra | 63 | 86 | 34 | 27,979 | 13.9 | 55.7 | 166 |
| REV | 27LPR79 | Leptra | 65 | 90 | 30 | 29,319 | 14.7 | 56.1 | 165 |
| Dyna-Gro | D56VC46 | Genuity VT Double PRO | 60 | 75 | 31 | 28,733 | 14.7 | 55.8 | 164 |
| Legend | LR98T14 | Genuity VT Double PRO | 59 | 76 | 28 | 28,314 | 14.6 | 56.8 | 161 |
| REV | 23LPR55 | Leptra | 61 | 84 | 32 | 27,811 | 13.0 | 54.1 | 159 |
| Navajo Seeds | Lombard | Conventional | 64 | 85 | 38 | 28,146 | 14.2 | 56.0 | 159 |
| Integra | 6588 | Genuity VT Double PRO | 62 | 80 | 30 | 27,141 | 14.3 | 57.2 | 158 |
| Integra | 6400 | Genuity SmartStax | 61 | 74 | 30 | 27,728 | 13.9 | 55.0 | 158 |
| Legend | LR97TX16 | Genuity VT Double PRO | 60 | 75 | 29 | 28,984 | 14.2 | 56.1 | 157 |
| Integra | 6533 | Genuity VT Double PRO | 59 | 76 | 30 | 28,230 | 14.6 | 56.1 | 157 |
| Legend | LR97TX14 | Genuity VT Double PRO | 59 | 74 | 26 | 28,565 | 13.9 | 55.8 | 155 |

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



Department of Soil and Crop Sciences

Monte Alto 2018 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) |
|---------------|---------|-----------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Dyna-Gro | 58SS65 | Genuity SmartStax | 61 | 69 | 29 | 28,817 | 15.0 | 57.5 | 155 |
| Integra | 9678 | Genuity VT Double PRO | 60 | 71 | 31 | 27,141 | 14.3 | 55.6 | 154 |
| Dyna-Gro | D52SS63 | SmartStax | 61 | 75 | 29 | 28,649 | 14.2 | 55.6 | 149 |
| Legend | LR98T13 | Genuity VT Double PRO | 59 | 74 | 28 | 27,057 | 14.3 | 56.3 | 145 |
| B-H Genetics | 8900 | | 62 | 86 | 31 | 25,550 | 13.9 | 55.9 | 143 |
| Anzu Genetica | AG 0717 | N/A | 63 | 86 | 32 | 25,047 | 13.7 | 55.7 | 129 |
| Navajo Seeds | Oscar | Conventional | 64 | 87 | 35 | 27,895 | 14.2 | 55.3 | 127 |
| Anzu Genetica | AG 0824 | N/A | 65 | 83 | 35 | 26,387 | 14.0 | 54.5 | 111 |
| Anzu Genetica | AG 0924 | N/A | 66 | 79 | 33 | 25,717 | 13.4 | 53.8 | 107 |

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

Monte Alto 2018 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) | |
|------------------------------|-----------|---|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|-------|
| Agronomic information | | | Mean | 61 | 79 | 31 | 27,915 | 14.2 | 55.8 | 157 |
| Plant Date | 2/16/2018 | | C.V. % | 1.1 | 3.9 | 7.8 | 6.5 | 3.9 | 1.9 | 11.0 |
| Harvest Date | 7/11/2018 | | P>f (hybrid) | 0.000 | 0.000 | 0.000 | 0.065 | 0.008 | 0.003 | 0.000 |
| Irrigated | Yes | | L.S.D. | 1.0 | 4.4 | 3.4 | 0.8 | 1.5 | 24.4 | |
| Row Spacing (in) | 30 | Trial Notes | | | | | | | | |
| Number of Rows | 2 | <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%; border: 1px solid gray; height: 100px;"></div> <div style="width: 35%; border: 1px solid gray; padding: 5px;"> Cooperator <input style="width: 90%;" type="text" value="Rio Farms"/> </div> </div> <div style="border: 2px solid gray; padding: 10px; margin-top: 10px;"> <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 Almaco meter units on a JD Max-Emerge II 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: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p> </div> | | | | | | | | |
| Seeds per Acre | 30,000 | | | | | | | | | |
| N (lb/ac) | | | | | | | | | | |
| P2O5 (lb/ac) | | | | | | | | | | |
| K2O (lb/ac) | | Soil Type <input style="width: 90%;" type="text" value="Willacy Fine Sandy Loam"/> | | | | | | | | |
| Precipitation (in) | 9.78 | Tillage <input style="width: 90%;" type="text"/> | | | | | | | | |
| Irrigation (in) | | Previous Crop <input style="width: 90%;" type="text" value="Corn"/> | | | | | | | | |
| Herbicide | | | | | | | | | | |

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