

College Station 2016 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) |
|------------------|---------|---------------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| REV | 26BHR50 | Optimum Intrasect | 72 | 89 | 28 | 28,418 | 10.5 | 61.6 | 178 |
| Dyna-Gro | D57VP51 | Genuity VT Triple PRO | 70 | 84 | 30 | 28,625 | 10.2 | 58.4 | 177 |
| Integra | 6474 | Genuity VT Double PRO | 70 | 82 | 34 | 29,351 | 10.1 | 56.9 | 174 |
| Dyna-Gro | D54DC94 | Genuity DG VT Double PRO | 72 | 82 | 33 | 28,729 | 10.1 | 56.8 | 171 |
| Mycogen | 12G36 | SmartStax | 72 | 86 | 31 | 29,662 | 10.7 | 57.5 | 166 |
| REV | 25BHR26 | Optimum Intrasect | 70 | 87 | 31 | 27,277 | 10.3 | 58.5 | 165 |
| REV | 23BHR55 | Optimum Intrasect | 71 | 90 | 29 | 26,447 | 9.8 | 58.1 | 163 |
| Integra | 9678 | Genuity VT Triple PRO | 69 | 78 | 31 | 27,277 | 10.2 | 58.7 | 161 |
| Dyna-Gro | D56VC46 | Genuity VT Double PRO | 70 | 84 | 35 | 28,314 | 10.7 | 59.7 | 161 |
| Golden Acres | G6611 | Genuity VT Triple PRO | 69 | 82 | 31 | 27,277 | 9.9 | 58.7 | 159 |
| Integra | 6612 | Genuity SmartStax RIB Com | 70 | 85 | 30 | 27,173 | 9.9 | 56.6 | 159 |
| Dyna-Gro | D58VC37 | Genuity VT Double PRO | 69 | 76 | 26 | 28,936 | 10.2 | 59.7 | 158 |
| Golden Acres | G7601 | Genuity VT Triple PRO | 71 | 95 | 35 | 27,588 | 10.2 | 56.9 | 157 |
| REV | 28HR20 | Herculex 1 (HX1) | 75 | 95 | 32 | 26,136 | 10.2 | 57.7 | 156 |
| Golden Acres | 5788 | Genuity VT Double PRO | 71 | 81 | 33 | 27,484 | 10.7 | 59.8 | 155 |
| REV | 22BHR43 | Optimum Intrasect | 71 | 93 | 29 | 27,381 | 10.3 | 59.8 | 154 |
| Mycogen | MY13M87 | SmartStax | 70 | 82 | 30 | 27,277 | 10.4 | 59.0 | 153 |
| Integra | 9642 | Genuity VT Triple PRO | 69 | 74 | 24 | 27,173 | 10.3 | 60.0 | 150 |
| American Hybrids | 2843 | N/A | 70 | 79 | 26 | 26,032 | 10.2 | 60.4 | 145 |
| American Hybrids | 2696 | N/A | 69 | 86 | 29 | 27,899 | 10.3 | 60.3 | 142 |
| Phoenix | 8400 | Agrisure Viptera 3111 | 71 | 90 | 30 | 29,351 | 10.1 | 57.7 | 141 |
| Phoenix | 6948 | Agrisure 3000GT | 72 | 88 | 32 | 27,588 | 10.2 | 57.1 | 139 |

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

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|------------------|---------|-----------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Dyna-Gro | D54VC52 | Genuity VT Double PRO | 70 | 81 | 32 | 24,269 | 10.6 | 59.1 | 139 |
| Phoenix | 6542 | Agrisure Viptera 3111 | 72 | 86 | 30 | 27,899 | 10.4 | 55.8 | 137 |
| Phoenix | 6518 | Agrisure GT Artesian | 69 | 84 | 28 | 27,795 | 10.2 | 58.4 | 136 |
| Phoenix | 6522 | Agrisure Viptera 3111 | 72 | 86 | 32 | 27,795 | 10.3 | 56.6 | 135 |
| American Hybrids | 2708 | N/A | 69 | 83 | 25 | 27,484 | 10.1 | 56.5 | 133 |
| 3MG | 15-2256 | Conventional | 74 | 93 | 37 | 24,891 | 10.4 | 59.4 | 127 |

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|------------------------------|---|-------------|--|---|--------------------|--------------------|---------------|------------------------|--------------------|
| Agronomic information | | | | | | | | | |
| Plant Date | 3/3/2016 | | Mean | 71 | 85 | 30 | 27,555 | 10.3 | 153 |
| Harvest Date | 8/12/2016 | | C.V. % | 1.3 | 3.5 | 8.6 | 5.8 | 2.1 | 5.3 |
| Irrigated | Yes | | P>f (hybrid) | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| Row Spacing (in) | 30 | | L.S.D. | 1.3 | 4.1 | 3.7 | 2,240.1 | 0.3 | 11.6 |
| Number of Rows | 2 | | Trial Notes | | | | | | |
| Seeds per Acre | 30,000 | | *5 lb/A of Zn was applied with pre-plant fertilizer | | | | | | |
| N (lb/ac) | 265 | | *No insecticides or fungicides were applied | | | | | | |
| P2O5 (lb/ac) | 17 | | *One cultivation on 4/12/16 with lay-by herbicide | | | | | | |
| K2O (lb/ac) | 0 | | *Due to timely rainfall during the growing season, the test was not irrigated | | | | | | |
| Precipitation (in) | 33.89 | | *Excessive rainfall was recorded in April and May | | | | | | |
| Irrigation (in) | 0 | | | | | | | | |
| Herbicide | Applied 1.7 pt/A Dual +1.5 lb/A Atrazine on 3/4/16. Applied 1 lb/A Atrazine + 1.5 qt/A Prowl H2O on 4/12/16 | | Soil Type | Ships clay loam | | | | | |
| | | | Tillage | Disc, bedded, re-bedded. Planted on raised beds | | | | | |
| | | | Previous Crop | Corn | | | | | |
| | | | Cooperator <input type="text" value="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 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: Dennis Pietsch croptest@tamu.edu 979-845-8505 | | | | | | |

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