

Bardwell

2020 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 | D53TC19 | Genuity Trecepta | N/A | 92 | 42 | 23,255 | 9.2 | 56.9 | 120 |
| LG Seeds | 67C45 | SmartStax | N/A | 92 | 44 | 24,590 | 11.8 | 58.1 | 116 |
| LG Seeds | 64C30 | Genuity Trecepta | N/A | 95 | 40 | 24,590 | 9.6 | 57.2 | 116 |
| Progeny | EXP1913 | Genuity VT Double PRO | N/A | 93 | 41 | 23,888 | 10.5 | 57.7 | 115 |
| Integra | 6540 | Genuity Trecepta | N/A | 92 | 43 | 23,607 | 9.1 | 56.5 | 115 |
| Progeny | PGY8116 | SmartStax | N/A | 94 | 44 | 24,380 | 11.1 | 59.3 | 114 |
| Integra | 6720 | Genuity DG VT Double PRO | N/A | 92 | 42 | 25,152 | 10.8 | 58.7 | 113 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | N/A | 87 | 37 | 23,536 | 9.8 | 57.6 | 112 |
| Integra | 6533 | Genuity VT Double PRO | N/A | 92 | 43 | 23,958 | 11.8 | 57.0 | 112 |
| Dyna-Gro | D55VC80 | Genuity VT Double PRO | N/A | 95 | 43 | 24,169 | 10.1 | 57.5 | 112 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | N/A | 81 | 34 | 23,747 | 11.5 | 57.6 | 112 |
| Progeny | EXP2018 | SmartStax | N/A | 91 | 42 | 23,466 | 12.0 | 59.4 | 110 |
| Integra | 6588 | Genuity VT Double PRO | N/A | 93 | 40 | 23,747 | 11.2 | 58.2 | 109 |
| Progeny | PGY2012 | Genuity VT Double PRO | N/A | 91 | 40 | 24,309 | 9.6 | 56.6 | 107 |
| Progeny | EXP1915 | SmartStax | N/A | 92 | 40 | 24,028 | 10.0 | 58.4 | 106 |
| Integra | 6410 | SmartStax | N/A | 88 | 38 | 24,099 | 9.9 | 57.8 | 106 |
| Integra | 6621 | Genuity DG VT Double PRO | N/A | 93 | 40 | 24,169 | 9.6 | 56.4 | 105 |
| Integra | 6695 | Genuity Trecepta | N/A | 87 | 40 | 23,817 | 9.4 | 55.7 | 101 |
| Progeny | PGY9114 | Genuity VT Double PRO | N/A | 88 | 39 | 23,326 | 9.9 | 58.2 | 101 |
| Progeny | EXP2013 | Genuity VT Double PRO | N/A | 92 | 41 | 24,590 | 12.7 | 57.4 | 100 |
| Progeny | EXP1912 | Genuity VT Double PRO | N/A | 93 | 40 | 24,590 | 9.0 | 56.1 | 100 |

*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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|----------|----------|-----------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Pioneer | P1903 | | N/A | 98 | 43 | 23,817 | 10.5 | 54.4 | 100 |
| Progeny | PGY9117 | Genuity VT Double PRO | N/A | 96 | 41 | 23,677 | 11.4 | 58.8 | 98 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | N/A | 91 | 41 | 23,045 | 10.6 | 56.4 | 95 |
| LG Seeds | 68C59 | | N/A | 94 | 38 | 22,623 | 9.0 | 55.1 | 87 |
| AgraTech | AT-1720C | Conventional | N/A | 86 | 39 | 23,185 | 10.1 | 55.9 | 87 |
| AgraTech | AT-1640C | Conventional | N/A | 97 | 44 | 21,921 | 11.3 | 56.3 | 64 |

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|------------------------------|--------------|---|---------------------|----------------------|---|------------------------|---------------|------------------------|--------------------|
| Agronomic information | | | | | | | | | |
| Plant Date | 4/16/2020 | Mean | | 92 | 41 | 23,825 | 10.4 | 57.2 | 105 |
| Harvest Date | 8/13/2020 | C.V. % | | 3.8 | 4.6 | 4.3 | 6.9 | 1.9 | 8.4 |
| Irrigated | No | P>f (hybrid) | | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | 0.000 |
| Row Spacing (in) | 30 | L.S.D. | | 4.9 | 2.6 | 1,453.7 | 1.1 | 1.6 | 13.5 |
| Number of Rows | 2 | Trial Notes | | | | | | | |
| Seeds per Acre | 24,000 | Cooperator | | | Bob & Steven Beakley | | | | |
| Precipitation (in) | 26.7 | <p>*Due to wet field conditions in the spring, test was planted later than the optimum plant date</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 ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p> | | | | |
| Irrigation (in) | | | | | | | | | |
| Herbicide | | | | | | | | | |
| Soil Type | Clay | | | | | | | | |
| Tillage | Conventional | Fertilizer Applied | | | Soil Analysis Report** | | | | |
| Previous Crop | Wheat | N (lb/ac) | | NO3-N (ppm) | 121 | pH | | 8.0 | |
| | | P2O5 (lb/ac) | | P (ppm)* | 35 | Conductivity (umho/cm) | | 592 | |
| | | K2O (lb/ac) | | K (ppm)* | 714 | Ca (ppm)* | | 16,447 | |
| | | S (lb/ac) | | S (ppm)* | 9 | Mg (ppm)* | | 150 | |
| | | Zn (lb/ac) | | | | Na (ppm)* | | 12 | |

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