

## Port Lavaca 2021 Corn Performance Trial

| Brand    | Hybrid      | GE Trait(s)              | Days to 50%<br>Silk | Plant Height<br>(in) | Ear Height<br>(in) | Plants per<br>Acre | Moisture<br>% | Test Weight<br>(lb/bu) | Yield<br>(bu/acre) |
|----------|-------------|--------------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Integra  | 6342        | Genuity Trecepta         | N/A                 | 66                   | 19                 | 24,932             | 12.7          | 54.8                   | 129                |
| Integra  | CX001117    | Genuity Trecepta         | N/A                 | 70                   | 20                 | 25,104             | 12.7          | 54.2                   | 127                |
| Dyna-Gro | D57TC29     | Genuity Trecepta         | N/A                 | 68                   | 18                 | 25,448             | 12.9          | 55.2                   | 126                |
| DEKALB   | DKC 69-99   | Genuity Trecepta         | N/A                 | 69                   | 20                 | 25,620             | 15.0          | 57.8                   | 124                |
| Integra  | 6540        | Genuity Trecepta         | N/A                 | 63                   | 18                 | 24,073             | 13.5          | 55.9                   | 123                |
| Progeny  | PGY2025     | Genuity DG VT Double PRO | N/A                 | 67                   | 19                 | 25,448             | 13.4          | 55.3                   | 122                |
| Dyna-Gro | D57VC51     | Genuity VT Double PRO    | N/A                 | 66                   | 19                 | 24,245             | 14.1          | 56.3                   | 120                |
| Integra  | 6533        | Genuity VT Double PRO    | N/A                 | 64                   | 20                 | 25,104             | 13.7          | 56.4                   | 120                |
| Dyna-Gro | D53TC19     | Genuity Trecepta         | N/A                 | 60                   | 21                 | 24,760             | 13.6          | 55.9                   | 120                |
| Progeny  | EXP115      | Genuity Trecepta         | N/A                 | 71                   | 18                 | 23,729             | 13.5          | 56.4                   | 120                |
| Integra  | 6641        | SmartStax                | N/A                 | 64                   | 20                 | 25,792             | 13.5          | 56.1                   | 119                |
| Dyna-Gro | D54SS34     | Genuity SmartStax        | N/A                 | 65                   | 20                 | 24,417             | 13.0          | 56.6                   | 118                |
| Pioneer  | P1506       | Optimum Intrasect        | N/A                 | 66                   | 17                 | 25,964             | 13.7          | 57.5                   | 115                |
| Dyna-Gro | D58SS65     | Genuity SmartStax        | N/A                 | 65                   | 18                 | 24,760             | 13.7          | 56.5                   | 115                |
| LG Seeds | 68C88       | Genuity VT Double PRO    | N/A                 | 68                   | 19                 | 23,729             | 13.9          | 58.0                   | 115                |
| Progeny  | PGY8116VT2P | Genuity DG VT Double PRO | N/A                 | 64                   | 21                 | 26,308             | 14.0          | 57.1                   | 114                |
| Integra  | 6621        | Genuity DG VT Double PRO | N/A                 | 66                   | 20                 | 23,729             | 13.5          | 56.2                   | 114                |
| Integra  | 6811        | Genuity VT Double PRO    | N/A                 | 63                   | 20                 | 24,760             | 14.6          | 57.6                   | 114                |
| LG Seeds | 64C30       | Genuity Trecepta         | N/A                 | 63                   | 20                 | 23,385             | 14.0          | 56.8                   | 113                |
| Dyna-Gro | D58VC22     | Genuity VT Double PRO    | N/A                 | 66                   | 20                 | 24,073             | 13.7          | 56.9                   | 112                |
| Progeny  | PGY2015     | Genuity VT Double PRO    | N/A                 | 65                   | 20                 | 21,837             | 13.3          | 57.0                   | 112                |

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



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|----------|------------|--------------------------|---------------------|----------------------|--------------------|--------------------|---------------|------------------------|--------------------|
| Progeny  | PGY8116SSX | SmartStax                | N/A                 | 66                   | 22                 | 24,531             | 13.8          | 57.6                   | 109                |
| LG Seeds | 66C44      | Genuity VT Double PRO    | N/A                 | 67                   | 21                 | 24,073             | 13.9          | 56.9                   | 109                |
| Progeny  | PGY2118    | Genuity VT Double PRO    | N/A                 | 66                   | 19                 | 24,417             | 14.5          | 57.5                   | 108                |
| Integra  | 6720       | Genuity DG VT Double PRO | N/A                 | 66                   | 19                 | 23,385             | 14.2          | 57.8                   | 108                |
| Integra  | 6695       | Genuity Trecepta         | N/A                 | 64                   | 19                 | 23,385             | 14.5          | 58.3                   | 104                |
| Pioneer  | P1847      | Leptra                   | N/A                 | 72                   | 21                 | 24,073             | 14.0          | 57.9                   | 103                |
| Dyna-Gro | D54VC14    | Genuity VT Double PRO    | N/A                 | 65                   | 17                 | 22,869             | 13.4          | 56.4                   | 102                |
| Integra  | 6410       | SmartStax                | N/A                 | 64                   | 19                 | 24,932             | 13.8          | 56.3                   | 98                 |

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|---|-------------------------------|-------------|---|----------------------|--------------------|-------------------------------|------------------------|------------------------|--------------------|
| <b>Agronomic information</b>  |                               |             | Mean  | 66                   | 19                 | 24,444                        | 13.7                   | 56.7                   | 115                |
| Plant Date  | 3/18/2021                     |             | C.V. %  | 3.7                  | 10.2               | 7.0                           | 3.8                    | 1.3                    | 9.2                |
| Harvest Date  | 8/11/2021                     |             | P>f (hybrid)  | 0.000                | 0.091              | 0.194                         | 0.000                  | 0.000                  | 0.005              |
| Irrigated   | No                            |             | L.S.D.  | 3.4                  |                    |                               | 0.8                    | 1.0                    | 15.5               |
| Row Spacing (in)  | 38                            |             | <b>Trial Notes</b>  |                      |                    |                               |                        |                        |                    |
| Number of Rows  | 2                             |             | Cooperator <b>Dennis Klump</b>  |                      |                    |                               |                        |                        |                    |
| Target Seeds per Acre   | 24,000                        |             | 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. |                      |                    |                               |                        |                        |                    |
| Precipitation (in)  | 49.1                          |             | For additional information contact:<br>Dr. Ronnie Schnell / Katrina Horn<br>ronschnell@tamu.edu / khorn@tamu.edu<br>979-845-2935 / 979-845-8505   |                      |                    |                               |                        |                        |                    |
| Irrigation (in)   |                               |             | * Mehlich 3 by ICP, soiltesting.tamu.edu<br>** Samples collected at planting, some locations may have applied fertilizer  |                      |                    |                               |                        |                        |                    |
| Herbicide   |                               |             | <b>Fertilizer Applied</b>   |                      |                    | <b>Soil Analysis Report**</b> |                        |                        |                    |
| Preplant: 1.5 oz/ac Leadoff + 24 oz/ac Roundup. In season: 1 qt/ac Atrazine + 2.5 oz/ac Anthem Max + 24 oz/ac Roundup |                               |             | N (lb/ac)   | 135                  | NO3-N (ppm)        | 10                            | pH                     | 6.3                    |                    |
| Soil Type   | Laewest clay                  |             | P2O5 (lb/ac)  | 44                   | P (ppm)*           | 60                            | Conductivity (umho/cm) | 307                    |                    |
| Tillage   | Minimum till, planted on beds |             | K2O (lb/ac)   | 0                    | K (ppm)*           | 309                           | Ca (ppm)*              | 7,117                  |                    |
| Previous Crop   | Corn                          |             | S (lb/ac)   | 16                   | S (ppm)*           | 8                             | Mg (ppm)*              | 725                    |                    |
|   |                               |             | Zn (lb/ac)  | 1                    |                    |                               | Na (ppm)*              | 43                     |                    |

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