SCS-2022-09

# 2022 Texas Corn Performance Variety Trials

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The Texas A&M University Systems

# 2022 TEXAS CORN PERFORMANCE VARIETY TRIALS

By

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# 2022 TEXAS CORN PERFORMANCE VARIETY TRIALS

Ronnie Schnell, Katrina Horn, Giordano Fontana, and Seth Murray

## Introduction

Texas A&M AgriLife Research conducts the corn performance tests each year to provide growers in Texas with accurate and unbiased information on hybrid performance at locations across the state. Selection of superior hybrids that are well adapted for a given region is essential for maximizing yield and profit.

This year, six irrigated and five non-irrigated test sites were planted in the major production regions of Texas. Major corn production regions include the Western Gulf Coastal Plain, Southern Texas Plains, East Central Texas Plains, Texas Blackland Prairies and High Plains. Approximate locations of the 2022 test sites are shown in Figure 1. A total of 247 entries were evaluated across 11 locations representing 40 unique hybrids from 7 commercial seed companies. Commercial seed companies enter hybrids into each trial location at their own discretion.

Performance trials are managed by personnel from the Crop Testing Program, Texas A&M AgriLife Research, and financed by fees collected from participating commercial seed companies. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated four times at each location. All test sites are managed according to practices common to each production region. Field maps and planting plans can be found at the link below shortly after planting. Following harvest, results are statistically analyzed and made available at: http://varietytesting.tamu.edu/corn/.

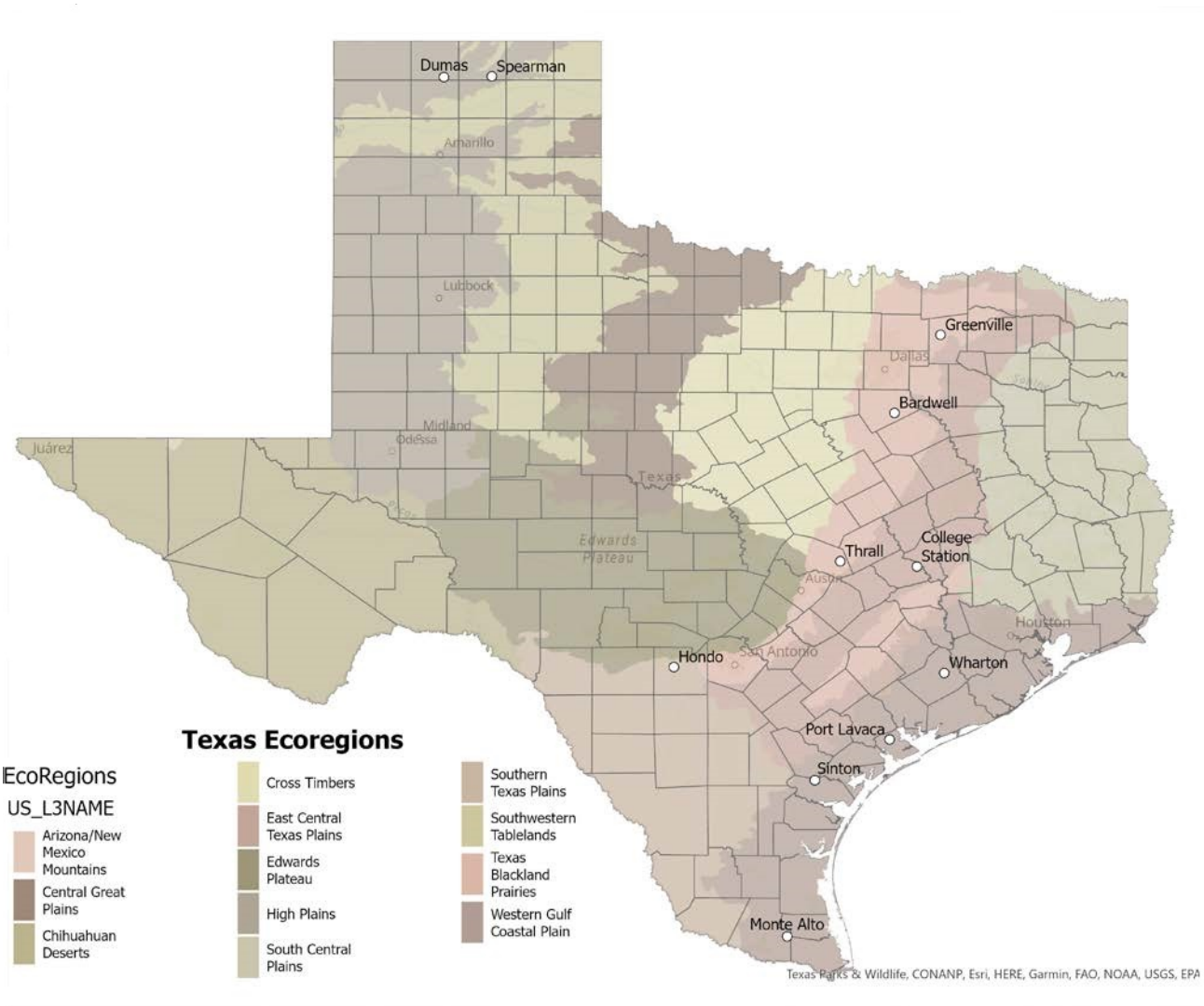
## Suggestions for Selecting Hybrids and Varieties

Variety or hybrid selection is often the first decision a grower must make each crop year. The goal is to identify hybrids with superior performance (top yielding) for your environment. Many environments exist in Texas with significant variation within regions and across years, mostly due to variation in weather. Documented, consistent yield performance within a region is essential for selecting hybrids that will perform well on your farming operation. This means that evaluation of hybrids over multiple locations and years (when possible) is the best way to predict future performance. Exercise caution when using single location data to compare hybrid performance.

Following yield performance, other characteristics may be useful for selecting the best hybrid. Maturity or days to flowering may be important for selecting hybrids that are appropriate for your growing season/conditions. Hybrids that possess insect or herbicide traits may be useful for

managing various insect and weed pests found on your farm. While consistent yield will be the most important factor affecting hybrid selection, additional plant characteristics or traits could be used to select from hybrids with similar yield performance.

**Figure 1. 2022 Corn Performance Trial Locations**



## Field-Plot Techniques

Performance trials are conducted at each location using a randomized complete block design with four replications of each entry (hybrid). Plots are generally 2 rows wide with row spacing ranging from 30 to 40 inches depending on location. Population is determined based on the appropriate seeding rate for each production region and cropping system. Seeds are packaged to deliver 30 feet of planted row per plot. Seed is planted using a SRES Advanced research air planter with Monosem units at all sites. Following emergence, alleys are trimmed if necessary for a final plot length of 30 feet with a 4 foot alley. Alleys are maintained free of weeds throughout the growing season through mechanical or chemical control measures.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Field data such as plant stands, plant height, ear height, silk dates and lodging are recorded at the appropriate times. All locations are harvested with a John Deere 3300 plot combine equipped with the HarvestMaster Grain Gauge that measures plot weight, test weight, and grain moisture. Field and harvest notes are compiled for each location and results analyzed.

## Data Analysis and Reporting

Data from each location is analyzed statistically using SAS. Mean values for yield and additional agronomic data are presented in tables for each location. Mean values are derived from the average of all replications for each entry in each trial. Least Significant Difference (LSD) is a statistical test used that determines the minimum difference between two entries required to be considered having different levels of performance. Differences between entries (yield, plant height, etc.) less than the LSD value represents variation measurements due to factors other than hybrid performance, such as variation in soil type, soil moisture, fertility, insect or disease pressure, planting or harvesting procedures. Although numeric differences in yield or other measurements may exist, if two entries are within the LSD value, they should be considered to have equal performance. The Coefficient of Variation (CV) is used to determine the amount of variability in the data set relative to the mean and can be used to determine if the results are reliable. Generally, CV's greater than 20% indicate that the data is unreliable and is not reported. However, each data set is evaluated individually to determine if results will be reported.

In the 2022 Corn Hybrid Characteristics table you will find agronomic data submitted by each company for their entries. Agronomic information provided by the companies about their hybrids are found in the list below and include items such as cob color, grain color and genetic traits. Agronomic data measured and collected by the Crop Testing program is described in the section below.

## Agronomic Data as designated by each company:

| | | | |
|---|---|---|---|
| Cob Color: | R = red | W = white | P = pink |
| Grain Color: | Y = yellow | W = white | |

Type GE (Genetically Engineered Traits):

| Trait Family | Trait Name | Abbreviation |
|---|---|---|
| | Conventional | Conv |
| Agrisure | Agrisure Artesian 3011A | 3011A |
| Agrisure | Agrisure Duracade 5222 E-Z Refuge | 5222EZ |
| Agrisure | Agrisure GT Artesian | GT-Artesian |
| Agrisure | Agrisure Duracade 5122 E-Z Refuge | 5122EZ |
| Agrisure | Agrisure 3220 E-Z Refuge | 3220EZ |
| Agrisure | Agrisure Viptera 3111 | V3111 |
| Agrisure | Agrisure CB/LL | CB/LL |
| Agrisure | Agrisure Viptera 3110 | V3110 |
| Agrisure | Agrisure 3122 E-Z Refuge | 3122EZ |
| Agrisure | Agrisure 3000GT | GT3K |
| Agrisure | Agrisure CB/LL/RW | CB/LL/RW |
| Agrisure | Agrisure GT/RW | GT/RW |
| Agrisure | Agrisure RW | RW |
| Agrisure | Agrisure 3010 | GT/CB/LL |
| Generic | RR2 | RR2 |
| Generic | GT | GT |
| Generic | BGTCBLL | BGTCBLL |
| Genuity | Genuity VT Triple PRO | GEN VT3P |
| Genuity | Genuity SmartStax | GEN SSX |
| Genuity | Genuity VT Double PRO | GEN VT2P |
| Genuity | Genuity SmartStax RIB Complete | GEN SSXRIB |
| Genuity | Genuity VT Triple PRO RIB Complete (GENVT3P) | GEN VT3PRIB |
| Genuity | Genuity DG VT Double PRO | GEN DGVT2P |
| Genuity | Genuity DG VT Triple PRO | GEN DGVT3P |
| Genuity | DroughtGard Roundup Ready Corn 2 | GEN DG RR2 |
| Genuity | Genuity Trecepta | Trecepta |
| Genuity | Genuity VT Double PRO RIB Complete (GENVT2P) | GEN VT2PRIB |
| Herculex | Herculex Extra (HXX) | HXX |
| Herculex | Herculex 1 (HX1) | HX1 |
| Herculex | Herculex RW (HXRW) | HXRW |
| Mycogen | SmartStax | SSX |
| Mycogen | Powercore | Powercore |
| Optimum | Optimum Intrasect | INT |
| Optimum | Optimum Intrasect-AQUAmax | INT-AQUAmax |
| Optimum | Optimum AcreMax Xtreme (AMXT-R) | AMXT-R |
| Optimum | Optimum AcreMax Rootworm (AMRW-R) | AMRW-R |

| | | |
|---|---|---|
| Optimum | Optimum AcreMax Xtra (AMX-R) | AMX-R |
| Optimum | Optimum AcreMax (AM-R) | AM-R |
| Optimum | Optimum Intrasect Xtra | INT-X |
| Optimum | Optimum Intrasect Xtreme | INT-XT |
| Optimum | Optimum TRIsect | TRI |
| Optimum | Optimum AcreMax - AQUAmax (AM-R) | AM-AQUAmax |
| Optimum | Optimum AcreMax1 (AM1) | AM1 |
| Optimum | Leptra | VYHR |
| Refuge Advanced | Refuge Advanced (SmartStax) | SSX |
| YieldGard | YieldGard VT Triple | YG VT3 |

**Measured Agronomic Data:**

Days to Silk: the average number of days from planting to the date when 50 percent of the plants within the plot are in some stage of silking (R1).

Plant Height: the average height in inches from ground to top of tassel.

Ear Height: the average height in inches from ground to base of ear.

Grain Moisture: the average moisture at harvest as a percent (%).

Plant Population: the average number of plants per acre at harvest.

Test Weight: is a measure of bulk grain density and is determined by the seed weight per unit of volume. This is measured at harvest and expressed as pounds per bushel.

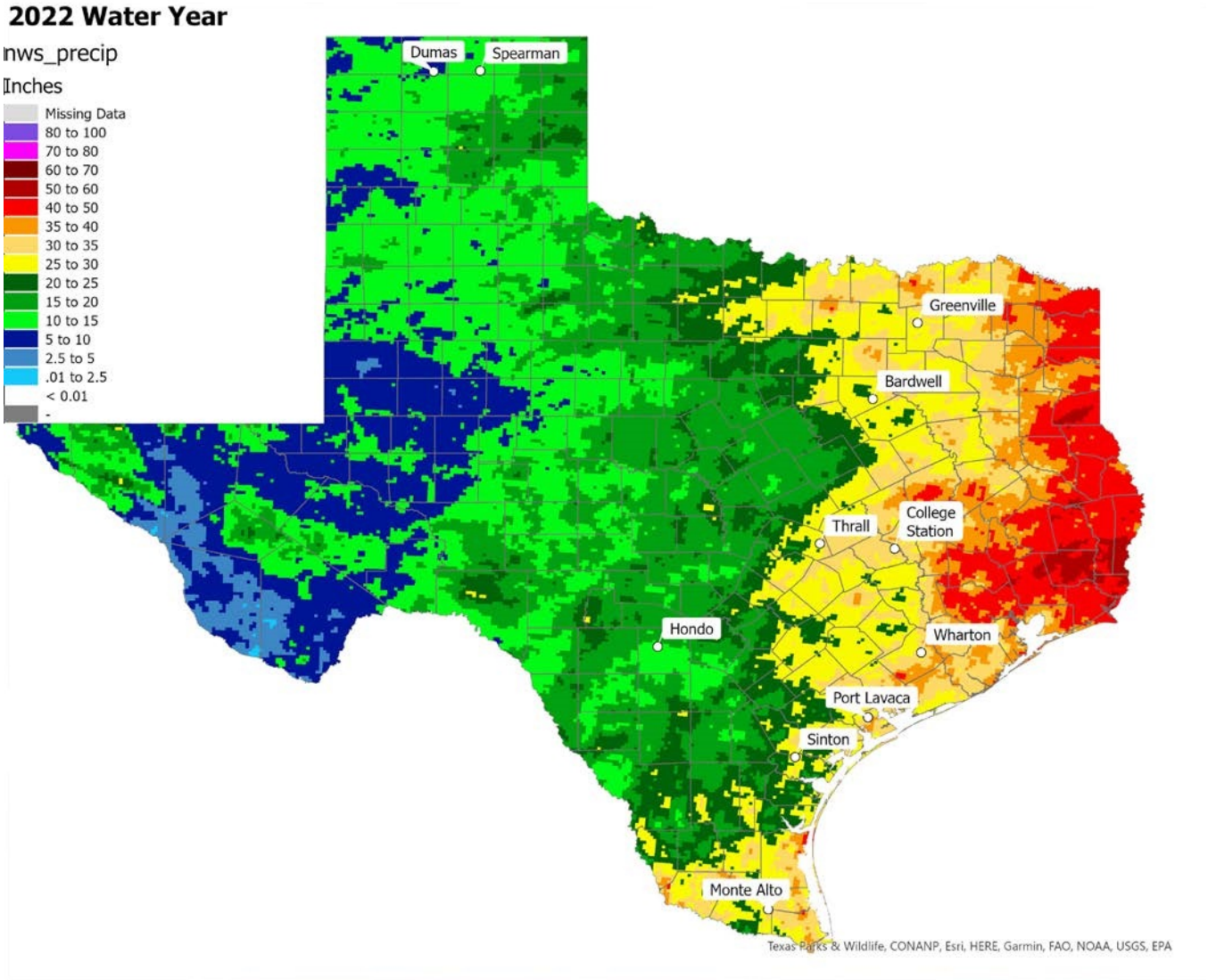
Yield: Standardized to 15.5% moisture: expressed in bushels per acre (bu/acre) and calculated using [((100 – moisture (%) /84.5) * yield (lb/acre)/56].

In addition to individual site performance, information on multi-year performance for each site and regional performance is provided. Multi-year tables are presented as 2 and 3-year summaries of yield performance data. The entries are ranked according to hybrid performance in the current year. In addition, summaries for regional performance are provided. Regional summaries present the data as average relative yield. Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid. For example, if hybrid A is the top yielding entry at a particular location with a yield of 150 bu/acre and hybrid B yields 130 bu/acre, hybrid A would have a relative yield of 100% and hybrid B would have a relative yield of 87%. The relative yields are averaged across all locations for each production region. Average relative yield values less than 90% suggest inconsistent performance.

## Rainfall

Available soil moisture during the growing season is often a limiting factor for corn production in Texas. Variation in rainfall patterns can be substantial within a production region and from year to year. A significant gradient in annual rainfall exist in Texas moving east to west. Often, it is useful to look at rainfall amounts for a given region based on the water-year. The water-year corresponds with hydrological cycles and runs from October 1 through September 30. In contrast to annual rainfall amounts, water-year analysis includes periods of time when soil profile moisture recharge can occur. The observed water-year totals are provided in Figure 2.

**Figure 2. 2022 water year (October 1, 2021 – September 30, 2022) precipitation in inches**



# 2022 Corn
# Hybrid Characteristics

| Company | Brand | Hybrid | Transgenic Traits | Grain Color | Cob Color | GDD to Maturitry | Relative Maturity |
|---|---|---|---|---|---|---|---|
| Bayer | DEKALB | DKC 67-94TRE | Genuity Trecepta | Yellow | | | |
| Bayer | DEKALB | DKC 68-48SS | Genuity SmartStax | | | | |
| Bayer | DEKALB | DKC 69-99TRE | Genuity Trecepta | Yellow | Red | 2970 | 119 |
| Corteva | Pioneer | P1847 | Leptra | Yellow | Pink | 2780 | 118 |
| Corteva | Pioneer | P1718 | N/A | | | | |
| Corteva | Pioneer | P1759 | N/A | | | | |
| Croplan | Croplan | CP5760TRE | Genuity Trecepta | Yellow | Pink | | 117 |
| Croplan | Croplan | X20117C/VT2P | Genuity VT Double PRO | Yellow | Pink | 2880 | 117 |
| LG Seeds | LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | Yellow | Red | 2952 | 118 |
| LG Seeds | LG Seeds | 66C32STX | SmartStax | Yellow | Red | 2904 | 116 |
| LG Seeds | LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | Yellow | Red | | 117 |
| LG Seeds | LG Seeds | 65C14TRC | Genuity Trecepta | Yellow | Red | | 115 |
| LG Seeds | LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | Yellow | Red | | 117 |
| LG Seeds | LG Seeds | 66C44VT2PRO | Genuity VT Double PRO | Yellow | Red | 2876 | 116 |
| LG Seeds | LG Seeds | 5701VT2PRO | Genuity VT Double PRO | Yellow | Pink | 2902 | 116 |
| LG Seeds | LG Seeds | 5643VT2RIB | Genuity VT Double PRO RI | Yellow | Red | 2842 | 114 |
| LG Seeds | LG Seeds | 64C30TRC | Genuity Trecepta | Yellow | Red | 2828 | 114 |
| Nutrien Ag | Dyna-Gro | D54VC14 | Genuity VT Double PRO | Yellow | Red | 2710 | 114 |
| Nutrien Ag | Dyna-Gro | D57VC51 | Genuity VT Double PRO | Yellow | Red | 2810 | 117 |
| Nutrien Ag | Dyna-Gro | D58VC65 | Genuity VT Double PRO | Yellow | Red | 2820 | 118 |
| Nutrien Ag | Dyna-Gro | D52VC63 | Genuity VT Double PRO | Yellow | Red | 2700 | 112 |

# 2022 Corn

# Hybrid Characteristics

| Company | Brand | Hybrid | Transgenic Traits | Grain Color | Cob Color | GDD to Maturitry | Relative Maturity |
|---|---|---|---|---|---|---|---|
| Nutrien Ag | Dyna-Gro | D53TC19 | Genuity Trecepta | Yellow | Red | 2710 | 113 |
| Nutrien Ag | Dyna-Gro | D55VC80 | Genuity VT Double PRO | Yellow | Red | 2790 | 115 |
| Nutrien Ag | Dyna-Gro | D57TC29 | Genuity Trecepta | Yellow | Pink | 2790 | 117 |
| Nutrien Ag | Dyna-Gro | D57VC53 | Genuity VT Double PRO | Yellow | Red | 2830 | 117 |
| Nutrien Ag | Dyna-Gro | D54VC34 | Genuity VT Double PRO | Yellow | Red | | 114 |
| Nutrien Ag | Dyna-Gro | D58SS65 | Genuity SmartStax | Yellow | Red | 2850 | 118 |
| Progeny Ag Products | Progeny | PGY2118VT2P | Genuity VT Double PRO | Yellow | Red | 1390 | 118 |
| Progeny Ag Products | Progeny | PGY2215TRE | Genuity Trecepta | Yellow | Red | 1412 | 115 |
| Progeny Ag Products | Progeny | PGY9117VT2P | Genuity VT Double PRO | Yellow | Red | 1375 | 117 |
| Progeny Ag Products | Progeny | PGY8116SS | SmartStax | Yellow | Red | 2788 | 116 |
| Wilbur-Ellis Company | Integra | 6493VT | Genuity VT Double PRO | Yellow | Red | 2716 | 115 |
| Wilbur-Ellis Company | Integra | 6410SS | SmartStax | Yellow | Red | 2725 | 114 |
| Wilbur-Ellis Company | Integra | 6695TRE | Genuity Trecepta | Yellow | Red | 2785 | 116 |
| Wilbur-Ellis Company | Integra | 6720SS | Genuity SmartStax | Yellow | Red | 2885 | 117 |
| Wilbur-Ellis Company | Integra | 6342TRE | Genuity Trecepta | Yellow | Red | 2720 | 113 |
| Wilbur-Ellis Company | Integra | 6641SS | SmartStax | Yellow | Red | 2770 | 116 |
| Wilbur-Ellis Company | Integra | 6811VT | Genuity VT Double PRO | Yellow | Red | 2870 | 118 |
| Wilbur-Ellis Company | Integra | CX001117TRE | Genuity Trecepta | Yellow | Pink | 2673 | 117 |
| Wilbur-Ellis Company | Integra | 6533VT | Genuity VT Double PRO | Yellow | Red | 2775 | 115 |

# Corn

## Company Contacts

| Company | Brand | Contact Information | Phone | Email |
|---|---|---|---|---|
| Bayer | DEKALB | Kagan Randolph<br>PO Box 433<br>Sunray, TX 79086 | 806-338-1751 | kagan.randolph@bayer.com |
| Bayer | DEKALB | Travis Courtney<br><br>Lorena, TX 76655 | 806-292-7683 | travis.courtney@bayer.com |
| LG Seeds | LG Seeds | Chris Sheppard<br>1122 E 169th Street<br>Westfield, IN 46074 | 254-313-8720 | chris.sheppard@lgseeds.com |
| Nutrien Ag | Dyna-Gro | Cord Willms<br>1024 Willms Road<br>Columbus, TX 78934 | 361-960-4399 | james.willms@nutrien.com |
| Nutrien Ag | Dyna-Gro | Phil Michener<br>3708 Pegram Circle<br>Monrow, LA 71201 | 662-822-8242 | phillip.michener@nutrien.com |
| Progeny Ag Products | Progeny | Brian Murray<br>1529 Hwy 193<br>Wynne, AR 72396 | 870-238-2079 | bmurray@progenyag.com |
| Wilbur-Ellis Company | Integra | Mark Menke<br>87194 494th Ave<br>O'Neil, NE 68763 | 513-540-9355 | mmenke@wilburellis.com |
| Winfield United | Croplan | Jeff Pangle<br>2146 Hwy 31 N<br>Beebe, AR 72012 | 870-588-7919 | jtpangle@landolakes.com |

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Monte Alto
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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

# Monte Alto
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 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.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Monte Alto
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 61 | 78 | 29 | | 12.4 | 57.5 | 172 |
| | C.V. % | | 11.1 | 3.8 | 10.1 | | 5.3 | 1.3 | 10.5 |
| | P>f (hybrid) | | 0.502 | 0.000 | 0.017 | | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | | 4.2 | 4.2 | | 0.9 | 1.1 | 25.6 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/2/2022 |
| Harvest Date | 7/9/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 30,000 |
| Precipitation (in) | 9.7 |
| Irrigation (in) | |

Herbicide

3/3/22: 1.66 pt/Ac Dual + 1.5 qt/ac Atrazine
4/6/22: 2 qt/ac Warrant + 1 qt/ac Atrazine

| | |
|---|---|
| Soil Type | Raymondville clay loam |
| Tillage | Conventional, beds |
| Previous Crop | Soybean |

## Trial Notes

Cooperator: Texas AgriScience

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 210 |
| P2O5 (lb/ac) | 56 |
| K2O (lb/ac) | 0 |
| S (lb/ac) | 0 |
| Zn (lb/ac) | 0 |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 15 | pH | 8.1 |
| P (ppm)* | 28 | Conductivity (umho/cm) | 206 |
| K (ppm)* | 521 | Ca (ppm)* | 8,428 |
| S (ppm)* | 57 | Mg (ppm)* | 644 |
| | | Na (ppm)* | 206 |

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

# Corn
# Monte Alto
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Wilbur-Ellis Company | Integra | CX001117TRE | 171 | |
| Nutrien Ag | Dyna-Gro | D58SS65 | 159 | 162 |
| Bayer | DEKALB | DKC 69-99TRE | 158 | |
| Nutrien Ag | Dyna-Gro | D57TC29 | 154 | |
| Nutrien Ag | Dyna-Gro | D57VC51 | 150 | 163 |
| Nutrien Ag | Dyna-Gro | D53TC19 | 150 | 159 |
| LG Seeds | LG Seeds | 68C88VT2PRO | 149 | |
| Wilbur-Ellis Company | Integra | 6641SS | 147 | |
| Wilbur-Ellis Company | Integra | 6533VT | 145 | 158 |
| Wilbur-Ellis Company | Integra | 6342TRE | 144 | |
| LG Seeds | LG Seeds | 64C30TRC | 140 | 152 |
| Wilbur-Ellis Company | Integra | 6410SS | 140 | 150 |
| Wilbur-Ellis Company | Integra | 6720SS | 140 | 150 |
| Wilbur-Ellis Company | Integra | 6695TRE | 137 | 149 |
| Nutrien Ag | Dyna-Gro | D54VC14 | 133 | 147 |
| Wilbur-Ellis Company | Integra | 6811VT | 127 | |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Sinton
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | D57TC29 | Genuity Trecepta | 70 | 71 | 23 | N/A | 10.6 | 56.8 | 108 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 69 | 65 | 24 | N/A | 11.2 | 57.9 | 106 |
| Integra | 6695TRE | Genuity Trecepta | 68 | 64 | 22 | N/A | 10.6 | 57.8 | 101 |
| Integra | 6493VT | Genuity VT Double PRO | 70 | 68 | 21 | N/A | 10.5 | 56.5 | 101 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 69 | 65 | 24 | N/A | 9.9 | 55.5 | 98 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 69 | 65 | 23 | N/A | 11.2 | 57.1 | 98 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 69 | 63 | 22 | N/A | 10.2 | 56.6 | 97 |
| Integra | CX001117TRE | Genuity Trecepta | 70 | 68 | 23 | N/A | 10.1 | 55.9 | 95 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 70 | 64 | 26 | N/A | 11.1 | 58.0 | 95 |
| Integra | 6342TRE | Genuity Trecepta | 69 | 67 | 22 | N/A | 10.6 | 56.3 | 94 |
| Integra | 6641SS | SmartStax | 68 | 65 | 22 | N/A | 11.1 | 56.3 | 91 |
| LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | 71 | 67 | 23 | N/A | 11.3 | 57.6 | 88 |
| Integra | 6410SS | SmartStax | 69 | 64 | 22 | N/A | 10.6 | 56.9 | 87 |
| Integra | 6533VT | Genuity VT Double PRO | 70 | 63 | 22 | N/A | 10.5 | 56.1 | 82 |
| Integra | 6720SS | Genuity SmartStax | 71 | 62 | 25 | N/A | 10.0 | 56.4 | 82 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 69 | 63 | 22 | N/A | 9.6 | 55.4 | 79 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 70 | 58 | 19 | N/A | 12.3 | 58.9 | 75 |
| Integra | 6811VT | Genuity VT Double PRO | 70 | 64 | 21 | N/A | 11.5 | 58.2 | 74 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 71 | 65 | 24 | N/A | 11.1 | 58.0 | 70 |

*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

# Sinton
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 69 | 65 | 23 | | 10.7 | 57.0 | 91 |
| | C.V. % | | 1.3 | 4.7 | 9.1 | | 9.1 | 2.6 | 16.2 |
| | P>f (hybrid) | | 0.000 | 0.001 | 0.015 | | 0.135 | 0.129 | 0.025 |
| | L.S.D. | | 1.3 | 4.3 | 2.9 | | | | 22.9 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/1/2022 |
| Harvest Date | 7/14/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 26,000 |
| Precipitation (in) | 6.2 |
| Irrigation (in) | |
| Herbicide | |
| Soil Type | Victoria clay |
| Tillage | Conventional |
| Previous Crop | Cotton |

## Trial Notes

Cooperator: Ring Brothers Farm

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 45 | pH | 7.8 |
| P (ppm)* | 11 | Conductivity (umho/cm) | 242 |
| K (ppm)* | 335 | Ca (ppm)* | 4,268 |
| S (ppm)* | 10 | Mg (ppm)* | 503 |
| | | Na (ppm)* | 108 |

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

# Corn
# Sinton
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Nutrien Ag | Dyna-Gro | D57VC51 | 120 | 138 |
| Nutrien Ag | Dyna-Gro | D57TC29 | 117 | |
| Wilbur-Ellis Company | Integra | 6641SS | 114 | |
| Nutrien Ag | Dyna-Gro | D53TC19 | 113 | 132 |
| Wilbur-Ellis Company | Integra | 6342TRE | 108 | |
| Nutrien Ag | Dyna-Gro | D54VC14 | 108 | 127 |
| Bayer | DEKALB | DKC 69-99TRE | 108 | |
| Wilbur-Ellis Company | Integra | 6695TRE | 108 | 124 |
| LG Seeds | LG Seeds | 68C88VT2PRO | 106 | |
| Wilbur-Ellis Company | Integra | CX001117TRE | 106 | |
| LG Seeds | LG Seeds | 64C30TRC | 104 | 123 |
| Nutrien Ag | Dyna-Gro | D58SS65 | 96 | 116 |
| Wilbur-Ellis Company | Integra | 6533VT | 96 | 120 |
| Wilbur-Ellis Company | Integra | 6410SS | 96 | 120 |
| Wilbur-Ellis Company | Integra | 6720SS | 96 | 117 |
| Wilbur-Ellis Company | Integra | 6811VT | 96 | |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Wharton
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6493VT | Genuity VT Double PRO | 67 | 83 | 28 | 22,131 | 11.7 | 56.1 | 118 |
| Integra | 6342TRE | Genuity Trecepta | 66 | 77 | 29 | 22,606 | 10.8 | 54.4 | 106 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 67 | 78 | 27 | 23,080 | 11.4 | 57.0 | 104 |
| Integra | 6410SS | SmartStax | 67 | 74 | 26 | 22,237 | 11.0 | 55.4 | 104 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 65 | 77 | 28 | 23,132 | 10.7 | 54.2 | 104 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 67 | 72 | 23 | 23,607 | 11.3 | 56.2 | 104 |
| Integra | 6695TRE | Genuity Trecepta | 65 | 75 | 32 | 23,554 | 11.5 | 56.5 | 100 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 67 | 77 | 27 | 24,134 | 10.5 | 53.6 | 98 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 68 | 71 | 27 | 22,869 | 11.3 | 56.1 | 98 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 67 | 74 | 29 | 24,924 | 11.5 | 56.5 | 98 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 67 | 74 | 28 | 24,555 | 10.8 | 55.1 | 97 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 66 | 70 | 29 | 23,449 | 10.5 | 54.3 | 97 |
| Integra | 6533VT | Genuity VT Double PRO | 66 | 74 | 28 | 23,027 | 11.2 | 55.4 | 96 |
| Integra | CX001117TRE | Genuity Trecepta | 68 | 80 | 29 | 24,344 | 10.7 | 54.4 | 95 |
| Progeny | PGY8116SS | SmartStax | 69 | 75 | 29 | 22,974 | 11.6 | 56.2 | 93 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 69 | 75 | 29 | 22,764 | 11.8 | 56.4 | 93 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 68 | 73 | 29 | 24,766 | 12.0 | 56.7 | 93 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 68 | 74 | 25 | 23,396 | 10.9 | 54.5 | 92 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 68 | 73 | 29 | 22,237 | 12.0 | 56.6 | 89 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 69 | 71 | 26 | 22,342 | 11.5 | 56.1 | 87 |
| Progeny | PGY2215TRE | Genuity Trecepta | 68 | 77 | 26 | 23,976 | 10.9 | 55.0 | 86 |

*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

# Wharton
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6641SS | SmartStax | 69 | 65 | 24 | 23,870 | 11.7 | 55.5 | 85 |
| Integra | 6811VT | Genuity VT Double PRO | 68 | 77 | 29 | 21,236 | 11.9 | 57.5 | 81 |
| Integra | 6720SS | Genuity SmartStax | 70 | 72 | 29 | 24,924 | 11.3 | 55.6 | 80 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 66 | 80 | 26 | 23,607 | 11.0 | 54.5 | 79 |

*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

# Wharton
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 67 | 75 | 28 | 23,350 | 11.3 | 55.6 | 95 |
| | C.V. % | | 2.2 | 6.6 | 8.7 | 4.9 | 6.2 | 2.1 | |
| | P>f (hybrid) | | 0.000 | 0.006 | 0.001 | 0.000 | 0.036 | 0.000 | 0.000 |
| | L.S.D. | | 2.1 | 6.9 | 3.4 | 1,599.8 | 1.0 | 1.7 | 14.9 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/10/2022 |
| Harvest Date | 7/21/2022 |
| Irrigated | No |
| Row Spacing (in) | 40 |
| Number of Rows | 2 |
| Target Seeds per Acre | 24,000 |
| Precipitation (in) | 12.1 |
| Irrigation (in) | |
| Herbicide | |
| Soil Type | Clemville silty clay loam |
| Tillage | Conventional beds |
| Previous Crop | Corn |

## Trial Notes

Cooperator: Larry Kalina

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 109 | pH | 7.6 |
| P (ppm)* | 25 | Conductivity (umho/cm) | 323 |
| K (ppm)* | 187 | Ca (ppm)* | 8,821 |
| S (ppm)* | 16 | Mg (ppm)* | 183 |
| | | Na (ppm)* | 6 |

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

# Corn
# Wharton
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| LG Seeds | LG Seeds | 5701VT2PRO | 143 | 151 |
| Wilbur-Ellis Company | Integra | 6342TRE | 138 | |
| Nutrien Ag | Dyna-Gro | D53TC19 | 137 | 149 |
| Wilbur-Ellis Company | Integra | 6695TRE | 137 | 147 |
| Bayer | DEKALB | DKC 69-99TRE | 137 | |
| Nutrien Ag | Dyna-Gro | D54VC14 | 136 | 147 |
| Nutrien Ag | Dyna-Gro | D58SS65 | 135 | 146 |
| Nutrien Ag | Dyna-Gro | D57VC51 | 135 | 148 |
| Wilbur-Ellis Company | Integra | 6533VT | 134 | 146 |
| Wilbur-Ellis Company | Integra | CX001117TRE | 132 | |
| Wilbur-Ellis Company | Integra | 6410SS | 131 | 144 |
| LG Seeds | LG Seeds | 64C30TRC | 128 | 144 |
| Progeny Ag Products | Progeny | PGY2118VT2P | 128 | |
| Wilbur-Ellis Company | Integra | 6641SS | 127 | |
| Nutrien Ag | Dyna-Gro | D57TC29 | 127 | |
| Progeny Ag Products | Progeny | PGY8116SS | 126 | 140 |
| Wilbur-Ellis Company | Integra | 6720SS | 124 | 134 |
| Wilbur-Ellis Company | Integra | 6811VT | 124 | |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Hondo
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | D58SS65 | Genuity SmartStax | 66 | 77 | 28 | 30,679 | 13.6 | 60.4 | 173 |
| Integra | 6641SS | SmartStax | 65 | 80 | 32 | 30,094 | 14.2 | 58.9 | 171 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 66 | 83 | 34 | 29,690 | 13.3 | 59.7 | 171 |
| Integra | 6493VT | Genuity VT Double PRO | 66 | 83 | 34 | 28,045 | 12.6 | 59.4 | 169 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 67 | 83 | 33 | 30,410 | 13.1 | 59.6 | 169 |
| Pioneer | P1847 | Leptra | 67 | 87 | 34 | 30,094 | 12.6 | 60.4 | 169 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 65 | 82 | 30 | 29,450 | 12.2 | 59.3 | 168 |
| Integra | CX001117TRE | Genuity Trecepta | 66 | 88 | 32 | 30,972 | 12.1 | 58.7 | 168 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 65 | 82 | 31 | 29,373 | 12.9 | 58.0 | 168 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 66 | 85 | 32 | 30,487 | 11.7 | 58.3 | 165 |
| Pioneer | P1759 | N/A | 68 | 84 | 36 | 29,700 | 11.9 | 60.0 | 164 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 67 | 80 | 35 | 30,914 | 15.2 | 60.6 | 162 |
| Integra | 6695TRE | Genuity Trecepta | 64 | 81 | 36 | 28,581 | 12.6 | 60.3 | 161 |
| Integra | 6342TRE | Genuity Trecepta | 65 | 84 | 33 | 28,279 | 13.3 | 57.3 | 160 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 66 | 80 | 34 | 29,625 | 16.7 | 60.1 | 158 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 65 | 87 | 38 | 27,898 | 12.7 | 59.1 | 157 |
| Integra | 6720SS | Genuity SmartStax | 68 | 86 | 38 | 30,211 | 15.3 | 60.3 | 156 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 67 | 83 | 35 | 30,350 | 14.2 | 60.0 | 156 |
| Progeny | PGY2215TRE | Genuity Trecepta | 67 | 83 | 32 | 30,383 | 12.8 | 59.4 | 156 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 66 | 83 | 34 | 29,274 | 13.1 | 59.4 | 154 |
| Integra | 6533VT | Genuity VT Double PRO | 65 | 80 | 33 | 29,567 | 14.1 | 58.6 | 153 |

*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

# Hondo
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | D57VC53 | Genuity VT Double PRO | 67 | 81 | 37 | 30,207 | 16.4 | 60.4 | 153 |
| Integra | 6410SS | SmartStax | 65 | 79 | 30 | 27,363 | 12.2 | 59.2 | 153 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 65 | 84 | 34 | 27,518 | 13.1 | 60.2 | 153 |
| Progeny | PGY8116SS | SmartStax | 67 | 84 | 37 | 26,754 | 15.0 | 60.8 | 150 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 64 | 80 | 33 | 28,630 | 11.5 | 57.9 | 150 |
| Integra | 6811VT | Genuity VT Double PRO | 67 | 80 | 35 | 29,099 | 15.7 | 60.2 | 149 |
| Pioneer | P1718 | N/A | 68 | 89 | 33 | 28,689 | 11.8 | 58.2 | 136 |

*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

# Hondo
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 66 | 83 | 34 | 29,369 | 13.4 | 59.4 | 160 |
| | C.V. % | | 1.2 | 3.0 | 7.2 | 3.3 | 5.1 | 0.7 | 6.1 |
| | P>f (hybrid) | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | 1.1 | 3.5 | 3.4 | 1,363.0 | 1.0 | 0.6 | 13.6 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/14/2022 |
| Harvest Date | 7/25/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 36 |
| Number of Rows | 2 |
| Target Seeds per Acre | 30,000 |
| Precipitation (in) | 4.5 |
| Irrigation (in) | |
| Herbicide | |
| Soil Type | Knippa clay |
| Tillage | Strip-till |
| Previous Crop | Cotton |

## Trial Notes

Cooperator: Nelson Reus

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 18 | pH | 7.7 |
| P (ppm)* | 16 | Conductivity (umho/cm) | 205 |
| K (ppm)* | 547 | Ca (ppm)* | 11,123 |
| S (ppm)* | 15 | Mg (ppm)* | 212 |
| | | Na (ppm)* | 13 |

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

# Corn
# Hondo
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Corteva | Pioneer | P1847 | 173 | 193 |
| Wilbur-Ellis Company | Integra | CX001117TRE | 152 | |
| Nutrien Ag | Dyna-Gro | D58SS65 | 152 | 173 |
| Nutrien Ag | Dyna-Gro | D57TC29 | 150 | |
| Wilbur-Ellis Company | Integra | 6695TRE | 147 | 175 |
| Nutrien Ag | Dyna-Gro | D54VC14 | 145 | 174 |
| Wilbur-Ellis Company | Integra | 6811VT | 137 | |
| Wilbur-Ellis Company | Integra | 6410SS | 136 | 166 |
| Wilbur-Ellis Company | Integra | 6641SS | 135 | |
| Progeny Ag Products | Progeny | PGY2118VT2P | 134 | |
| Bayer | DEKALB | DKC 69-99TRE | 131 | |
| Wilbur-Ellis Company | Integra | 6720SS | 131 | 164 |
| Nutrien Ag | Dyna-Gro | D57VC51 | 129 | 165 |
| Wilbur-Ellis Company | Integra | 6533VT | 127 | 157 |
| Wilbur-Ellis Company | Integra | 6342TRE | 127 | |
| Progeny Ag Products | Progeny | PGY9117VT2P | 125 | 160 |
| Nutrien Ag | Dyna-Gro | D53TC19 | 125 | 160 |
| Progeny Ag Products | Progeny | PGY8116SS | 122 | 154 |
| LG Seeds | LG Seeds | 64C30TRC | 108 | 150 |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# College Station
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 64 | 87 | 38 | 30,843 | 13.6 | 60.7 | 189 |
| Integra | 6641SS | SmartStax | 62 | 85 | 36 | 30,633 | 12.5 | 58.9 | 176 |
| Integra | 6493VT | Genuity VT Double PRO | 64 | 86 | 34 | 28,033 | 11.7 | 58.5 | 175 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 64 | 86 | 37 | 29,649 | 12.0 | 59.1 | 174 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 63 | 89 | 35 | 30,422 | 12.2 | 59.7 | 173 |
| Integra | 6695TRE | Genuity Trecepta | 61 | 81 | 34 | 29,860 | 12.3 | 60.1 | 172 |
| Integra | CX001117TRE | Genuity Trecepta | 65 | 86 | 30 | 31,897 | 11.0 | 57.1 | 172 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 65 | 86 | 37 | 31,054 | 14.2 | 59.2 | 171 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 65 | 86 | 35 | 31,054 | 12.0 | 58.3 | 171 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 64 | 88 | 36 | 29,368 | 12.6 | 59.3 | 170 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 62 | 88 | 35 | 28,384 | 12.0 | 58.6 | 168 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 63 | 85 | 34 | 31,616 | 11.0 | 57.5 | 167 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 64 | 82 | 31 | 30,773 | 12.5 | 60.2 | 166 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 66 | 86 | 35 | 31,124 | 14.1 | 60.0 | 165 |
| Integra | 6342TRE | Genuity Trecepta | 61 | 86 | 33 | 25,293 | 12.1 | 57.3 | 164 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 64 | 85 | 35 | 28,806 | 13.3 | 59.7 | 163 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 61 | 85 | 34 | 30,351 | 11.8 | 58.4 | 161 |
| Integra | 6410SS | SmartStax | 61 | 82 | 32 | 28,455 | 11.5 | 59.0 | 156 |
| Progeny | PGY8116SS | SmartStax | 65 | 89 | 37 | 27,752 | 13.7 | 60.0 | 154 |
| Integra | 6720SS | Genuity SmartStax | 65 | 88 | 39 | 31,757 | 13.3 | 60.2 | 153 |
| Progeny | PGY2215TRE | Genuity Trecepta | 64 | 87 | 35 | 30,562 | 12.3 | 59.2 | 150 |

*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

# College Station
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6811VT | Genuity VT Double PRO | 65 | 86 | 33 | 28,736 | 13.2 | 60.2 | 148 |
| Integra | 6533VT | Genuity VT Double PRO | 62 | 83 | 35 | 30,422 | 12.7 | 58.9 | 147 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 61 | 88 | 34 | 26,277 | 12.1 | 59.6 | 147 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 60 | 81 | 36 | 23,185 | 11.3 | 58.0 | 134 |

*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

# College Station
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 63 | 86 | 35 | 29,452 | 12.4 | 59.1 | 163 |
| | C.V. % | | 1.5 | 3.5 | 6.8 | 6.4 | 6.8 | 1.2 | 10.4 |
| | P>f (hybrid) | | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 |
| | L.S.D. | | 1.3 | 4.3 | 3.3 | 2,639.9 | 1.2 | 1.0 | 22.0 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/17/2022 |
| Harvest Date | 7/27/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 30,000 |
| Precipitation (in) | 13 |
| Irrigation (in) | |

Herbicide

2.5 qt/ac Acuron

| | |
|---|---|
| Soil Type | Weswood silty clay loam |
| Tillage | Chiseled, disked, bedded |
| Previous Crop | Grain Sorghum |

## Trial Notes

Cooperator: 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 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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 220 |
| P2O5 (lb/ac) | 0 |
| K2O (lb/ac) | 0 |
| S (lb/ac) | 0 |
| Zn (lb/ac) | 0 |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 14 | pH | 7.8 |
| P (ppm)* | 37 | Conductivity (umho/cm) | 316 |
| K (ppm)* | 208 | Ca (ppm)* | 4,157 |
| S (ppm)* | 9 | Mg (ppm)* | 178 |
| | | Na (ppm)* | 12 |

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

# Corn
# College Station
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Bayer | DEKALB | DKC 69-99TRE | 196 | |
| Nutrien Ag | Dyna-Gro | D57VC51 | 190 | 177 |
| Wilbur-Ellis Company | Integra | 6641SS | 189 | |
| LG Seeds | LG Seeds | 5701VT2PRO | 186 | 178 |
| Wilbur-Ellis Company | Integra | 6342TRE | 181 | |
| Nutrien Ag | Dyna-Gro | D57TC29 | 180 | |
| Nutrien Ag | Dyna-Gro | D54VC14 | 178 | 179 |
| Nutrien Ag | Dyna-Gro | D58SS65 | 178 | 175 |
| Wilbur-Ellis Company | Integra | CX001117TRE | 178 | |
| Wilbur-Ellis Company | Integra | 6811VT | 170 | |
| Wilbur-Ellis Company | Integra | 6695TRE | 170 | 169 |
| Wilbur-Ellis Company | Integra | 6720SS | 167 | 168 |
| Wilbur-Ellis Company | Integra | 6410SS | 166 | 168 |
| LG Seeds | LG Seeds | 64C30TRC | 166 | 163 |
| Wilbur-Ellis Company | Integra | 6533VT | 165 | 162 |
| Nutrien Ag | Dyna-Gro | D53TC19 | 163 | 163 |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Thrall
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| Progeny | PGY8116SS | SmartStax | 70 | 65 | 24 | 22,202 | 8.6 | 53.8 | 65 |
| Integra | 6641SS | SmartStax | 68 | 68 | 23 | 23,607 | 8.0 | 52.2 | 64 |
| Integra | 6410SS | SmartStax | 67 | 63 | 20 | 20,445 | 8.6 | 53.4 | 62 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 72 | 66 | 20 | 21,429 | 8.4 | 53.4 | 60 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 69 | 69 | 22 | 22,342 | 8.3 | 53.4 | 59 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 70 | 74 | 25 | 22,904 | 8.2 | 53.0 | 56 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 71 | 70 | 24 | 21,991 | 8.9 | 54.5 | 55 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 68 | 67 | 21 | 19,860 | 8.1 | 50.8 | 55 |
| Integra | 6493VT | Genuity VT Double PRO | 68 | 65 | 20 | 21,265 | 8.2 | 52.5 | 55 |
| Integra | 6342TRE | Genuity Trecepta | 68 | 67 | 22 | 20,047 | 7.7 | 50.8 | 54 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 68 | 67 | 20 | 23,326 | 7.8 | 51.6 | 54 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 70 | 68 | 22 | 23,138 | 8.3 | 53.4 | 53 |
| Integra | 6695TRE | Genuity Trecepta | 67 | 65 | 23 | 23,185 | 8.5 | 53.8 | 52 |
| Integra | 6533VT | Genuity VT Double PRO | 69 | 66 | 25 | 19,602 | 8.1 | 52.7 | 52 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 67 | 64 | 20 | 24,309 | 8.4 | 53.6 | 50 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 71 | 71 | 23 | 23,045 | 7.7 | 51.6 | 50 |
| Progeny | PGY2215TRE | Genuity Trecepta | 71 | 76 | 23 | 19,298 | 8.0 | 51.8 | 49 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 68 | 67 | 20 | 23,326 | 7.7 | 51.5 | 48 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 68 | 67 | 22 | 22,576 | 8.9 | 54.0 | 47 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 68 | 64 | 22 | 20,609 | 8.1 | 52.1 | 47 |
| Integra | 6811VT | Genuity VT Double PRO | 71 | 72 | 24 | 19,953 | 9.0 | 54.1 | 45 |

*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

# Thrall
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | D57VC51 | Genuity VT Double PRO | 72 | 70 | 24 | 22,131 | 7.9 | 51.9 | 44 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 72 | 68 | 23 | 19,813 | 9.0 | 53.9 | 43 |
| Integra | 6720SS | Genuity SmartStax | 73 | 68 | 24 | 22,108 | 8.5 | 53.3 | 43 |
| Integra | CX001117TRE | Genuity Trecepta | 70 | 70 | 18 | 21,265 | 7.7 | 51.5 | 40 |
| LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | 71 | 68 | 23 | 20,890 | 8.4 | 52.8 | 35 |

*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

# Thrall
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 69 | 68 | 22 | 21,718 | 8.3 | 52.7 | 51 |
| | C.V. % | | 2.5 | 5.5 | 11.5 | 13.5 | 3.9 | 1.3 | 20.3 |
| | P>f (hybrid) | | 0.000 | 0.007 | 0.058 | 0.842 | 0.000 | 0.000 | 0.002 |
| | L.S.D. | | 2.8 | 6.0 | | | 0.5 | 1.1 | 11.4 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/16/2022 |
| Harvest Date | 8/2/2022 |
| Irrigated | No |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 24,000 |
| Precipitation (in) | 13.5 |
| Irrigation (in) | |

Herbicide

1 qt/ac Roundup + 1.33 pt/ac Dual + 2 lb/ac Atrazine

| | |
|---|---|
| Soil Type | Burleson clay |
| Tillage | Conventional |
| Previous Crop | Grain Sorghum |

## Trial Notes

Cooperator: Stiles Farm Foundation

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 150 |
| P2O5 (lb/ac) | 0 |
| K2O (lb/ac) | 0 |
| S (lb/ac) | 0 |
| Zn (lb/ac) | 0 |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 3 | pH | 6.1 |
| P (ppm)* | 43 | Conductivity (umho/cm) | 122 |
| K (ppm)* | 163 | Ca (ppm)* | 5,266 |
| S (ppm)* | 11 | Mg (ppm)* | 542 |
| | | Na (ppm)* | 19 |

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

# Corn
# Thrall
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Wilbur-Ellis Company | Integra | 6342TRE | 127 | |
| Wilbur-Ellis Company | Integra | 6641SS | 125 | |
| Nutrien Ag | Dyna-Gro | D54VC14 | 122 | 111 |
| Bayer | DEKALB | DKC 69-99TRE | 122 | |
| Progeny Ag Products | Progeny | PGY8116SS | 121 | 109 |
| Wilbur-Ellis Company | Integra | 6410SS | 121 | 112 |
| Nutrien Ag | Dyna-Gro | D58SS65 | 120 | 109 |
| Wilbur-Ellis Company | Integra | 6533VT | 118 | 108 |
| Nutrien Ag | Dyna-Gro | D57TC29 | 116 | |
| Progeny Ag Products | Progeny | PGY2118VT2P | 116 | |
| Nutrien Ag | Dyna-Gro | D53TC19 | 115 | 110 |
| Wilbur-Ellis Company | Integra | 6720SS | 114 | 103 |
| LG Seeds | LG Seeds | 64C30TRC | 114 | 108 |
| Wilbur-Ellis Company | Integra | 6695TRE | 112 | 103 |
| Wilbur-Ellis Company | Integra | 6811VT | 112 | |
| Nutrien Ag | Dyna-Gro | D57VC51 | 111 | 99 |
| Wilbur-Ellis Company | Integra | CX001117TRE | 110 | |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Bardwell
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6342TRE | Genuity Trecepta | 64 | 73 | 28 | 22,325 | 6.7 | 47.4 | 60 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 62 | 73 | 29 | 24,593 | 6.7 | 49.3 | 55 |
| Integra | 6493VT | Genuity VT Double PRO | 65 | 80 | 27 | 23,958 | 6.8 | 50.0 | 46 |
| Integra | 6695TRE | Genuity Trecepta | 63 | 72 | 28 | 24,321 | 7.0 | 50.3 | 44 |
| Integra | CX001117TRE | Genuity Trecepta | 66 | 81 | 27 | 25,501 | 7.0 | 49.5 | 42 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 66 | 78 | 29 | 24,866 | 6.5 | 47.7 | 42 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 67 | 77 | 29 | 25,138 | 7.2 | 50.8 | 41 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 64 | 80 | 28 | 23,958 | 6.6 | 48.1 | 41 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 65 | 83 | 29 | 25,319 | 6.7 | 48.7 | 41 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 65 | 68 | 24 | 24,684 | 7.1 | 49.4 | 40 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 67 | 78 | 29 | 25,592 | 6.9 | 49.8 | 40 |
| Progeny | PGY2215TRE | Genuity Trecepta | 67 | 81 | 28 | 24,503 | 7.3 | 50.3 | 39 |
| Integra | 6533VT | Genuity VT Double PRO | 65 | 76 | 29 | 24,140 | 6.4 | 48.1 | 38 |
| Integra | 6410SS | SmartStax | 65 | 68 | 20 | 23,414 | 6.9 | 49.6 | 37 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 66 | 78 | 28 | 24,593 | 6.6 | 47.4 | 37 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 66 | 76 | 27 | 23,323 | 7.0 | 50.0 | 36 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 68 | 70 | 24 | 24,593 | 7.2 | 50.0 | 36 |
| Integra | 6641SS | SmartStax | 66 | 70 | 27 | 23,867 | 6.6 | 48.7 | 32 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 66 | 76 | 26 | 23,232 | 6.3 | 47.0 | 32 |
| Integra | 6811VT | Genuity VT Double PRO | 67 | 75 | 26 | 22,778 | 7.3 | 50.6 | 31 |
| Progeny | PGY8116SS | SmartStax | 68 | 78 | 29 | 22,688 | 6.7 | 48.3 | 30 |

*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

# Bardwell
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 66 | 78 | 27 | 24,503 | 7.7 | 51.4 | 29 |
| LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | 66 | 78 | 29 | 22,960 | 6.8 | 48.2 | 29 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 67 | 75 | 29 | 23,686 | 6.2 | 46.0 | 29 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 67 | 77 | 26 | 23,777 | 6.2 | 46.6 | 28 |
| Integra | 6720SS | Genuity SmartStax | 69 | 76 | 30 | 25,319 | 6.7 | 48.1 | 27 |

*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

# Bardwell
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 66 | 76 | 27 | 24,140 | 6.8 | 48.9 | 38 |
| | C.V. % | | 1.2 | 3.4 | 11.3 | 3.6 | 4.9 | 2.9 | 22.5 |
| | P>f (hybrid) | | 0.000 | 0.000 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | 1.1 | 3.6 | 4.3 | 1,420.6 | 0.5 | 2.3 | 12.0 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/28/2022 |
| Harvest Date | 8/1/2022 |
| Irrigated | No |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 24,000 |
| Precipitation (in) | 10.8 |
| Irrigation (in) | |

Herbicide

Pre-plant: 1 oz/ac Zidua
Pre-emerge: 1.5 oz/ac Zidua

| | |
|---|---|
| Soil Type | Branyon clay |
| Tillage | Conventional |
| Previous Crop | Cotton |

## Trial Notes

*3.75lb/ac Mg pre-plant

Cooperator: Steven Beakley

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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 155 |
| P2O5 (lb/ac) | 38 |
| K2O (lb/ac) | 14 |
| S (lb/ac) | 4 |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 61 | pH | 7.5 |
| P (ppm)* | 25 | Conductivity (umho/cm) | 347 |
| K (ppm)* | 357 | Ca (ppm)* | 13,026 |
| S (ppm)* | 11 | Mg (ppm)* | 150 |
| | | Na (ppm)* | 7 |

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

# Corn
# Bardwell
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Wilbur-Ellis Company | Integra | 6342TRE | 114 | |
| Wilbur-Ellis Company | Integra | CX001117TRE | 92 | |
| LG Seeds | LG Seeds | 64C30TRC | 92 | 100 |
| Nutrien Ag | Dyna-Gro | D53TC19 | 92 | 101 |
| Wilbur-Ellis Company | Integra | 6811VT | 91 | |
| Nutrien Ag | Dyna-Gro | D57TC29 | 91 | |
| Nutrien Ag | Dyna-Gro | D54VC14 | 90 | 97 |
| Wilbur-Ellis Company | Integra | 6641SS | 89 | |
| Bayer | DEKALB | DKC 69-99TRE | 84 | |
| Wilbur-Ellis Company | Integra | 6695TRE | 84 | 90 |
| Wilbur-Ellis Company | Integra | 6410SS | 83 | 91 |
| LG Seeds | LG Seeds | 68C88VT2PRO | 82 | |
| Nutrien Ag | Dyna-Gro | D58SS65 | 81 | 91 |
| Wilbur-Ellis Company | Integra | 6720SS | 72 | 86 |
| Wilbur-Ellis Company | Integra | 6533VT | 69 | 83 |
| Nutrien Ag | Dyna-Gro | D57VC51 | 61 | 72 |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

# Greenville
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 71 | 71 | 29 | 28,750 | 8.4 | 54.4 | 80 |
| Integra | 6342TRE | Genuity Trecepta | 70 | 70 | 26 | 25,582 | 6.7 | 51.3 | 80 |
| Progeny | PGY8116SS | SmartStax | 71 | 74 | 27 | 26,453 | 8.1 | 54.2 | 76 |
| Integra | 6695TRE | Genuity Trecepta | 69 | 69 | 30 | 27,245 | 8.3 | 54.5 | 73 |
| LG Seeds | 68C88VT2PRO | Genuity VT Double PRO | 70 | 74 | 28 | 25,661 | 8.4 | 54.4 | 73 |
| Integra | 6533VT | Genuity VT Double PRO | 70 | 73 | 26 | 25,661 | 8.1 | 53.6 | 72 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 69 | 75 | 25 | 26,611 | 6.6 | 50.8 | 72 |
| Dyna-Gro | D54VC14 | Genuity VT Double PRO | 69 | 74 | 23 | 27,482 | 8.2 | 54.5 | 71 |
| Dyna-Gro | D53TC19 | Genuity Trecepta | 69 | 67 | 24 | 26,690 | 7.2 | 52.4 | 71 |
| Integra | 6493VT | Genuity VT Double PRO | 70 | 77 | 25 | 26,849 | 7.3 | 53.3 | 71 |
| Integra | 6410SS | SmartStax | 70 | 71 | 23 | 26,928 | 7.7 | 53.5 | 69 |
| Dyna-Gro | D58SS65 | Genuity SmartStax | 71 | 69 | 21 | 26,849 | 8.2 | 54.1 | 68 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 69 | 72 | 26 | 27,166 | 7.1 | 52.2 | 68 |
| Integra | 6720SS | Genuity SmartStax | 72 | 75 | 28 | 26,294 | 8.8 | 55.2 | 67 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 70 | 72 | 29 | 26,136 | 8.0 | 53.8 | 66 |
| Progeny | PGY2118VT2P | Genuity VT Double PRO | 70 | 76 | 28 | 27,641 | 8.8 | 55.2 | 66 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 71 | 71 | 24 | 27,958 | 8.3 | 54.5 | 65 |
| Integra | 6641SS | SmartStax | 70 | 73 | 25 | 27,086 | 7.4 | 52.2 | 65 |
| Progeny | PGY2215TRE | Genuity Trecepta | 71 | 79 | 28 | 27,878 | 7.9 | 53.7 | 64 |
| Integra | CX001117TRE | Genuity Trecepta | 72 | 77 | 21 | 27,403 | 6.7 | 51.2 | 64 |
| Dyna-Gro | D57TC29 | Genuity Trecepta | 71 | 76 | 24 | 27,482 | 6.7 | 51.0 | 64 |

*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

# Greenville
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6811VT | Genuity VT Double PRO | 70 | 70 | 25 | 23,681 | 8.8 | 55.3 | 62 |
| Progeny | PGY9117VT2P | Genuity VT Double PRO | 72 | 80 | 25 | 26,611 | 8.1 | 54.3 | 61 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 71 | 75 | 24 | 24,790 | 8.4 | 54.7 | 59 |
| LG Seeds | 5701VT2PRO | Genuity VT Double PRO | 71 | 72 | 24 | 26,849 | 6.5 | 50.4 | 51 |
| Dyna-Gro | D57VC51 | Genuity VT Double PRO | 71 | 76 | 27 | 26,374 | 6.6 | 50.5 | 47 |

*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

# Greenville
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 70 | 73 | 26 | 26,696 | 7.7 | 53.3 | 67 |
| | C.V. % | | 0.8 | 5.8 | 12.7 | | 5.2 | 1.5 | 12.5 |
| | P>f (hybrid) | | 0.000 | 0.005 | 0.008 | | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | 0.8 | 6.0 | 4.5 | | 0.6 | 1.1 | 7.9 |

## Agronomic information

| | |
|---|---|
| Plant Date | 3/28/2022 |
| Harvest Date | 9/14/2022 |
| Irrigated | No |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 28,000 |
| Precipitation (in) | 22.7 |
| Irrigation (in) | |

Herbicide

1 qt/ac Atrazine pre-plant.
1 qt/ac Acuron post

| | |
|---|---|
| Soil Type | Houston Black clay |
| Tillage | Conventional |
| Previous Crop | Wheat |

## Trial Notes

*5 gal/ac Impulse + CornQT applied in furrow during fall

Cooperator: 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 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.

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

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | 177 |
| P2O5 (lb/ac) | 69 |
| K2O (lb/ac) | 0 |
| S (lb/ac) | 0 |
| Zn (lb/ac) | 0 |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 38 | pH | 6.6 |
| P (ppm)* | 31 | Conductivity (umho/cm) | 187 |
| K (ppm)* | 266 | Ca (ppm)* | 5,782 |
| S (ppm)* | 8 | Mg (ppm)* | 274 |
| | | Na (ppm)* | 67 |

*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

# Dumas
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 77 | 104 | 41 | 34,031 | 20.0 | 56.8 | 294 |
| Croplan | CP5760TRE | Genuity Trecepta | 77 | 106 | 46 | 33,124 | 19.4 | 56.4 | 281 |
| DEKALB | DKC 69-99TRE | Genuity Trecepta | 78 | 99 | 48 | 32,398 | 19.7 | 58.0 | 275 |
| LG Seeds | 65C14TRC | Genuity Trecepta | 76 | 99 | 44 | 32,942 | 17.7 | 56.8 | 269 |
| LG Seeds | 66C32STX | SmartStax | 78 | 95 | 44 | 32,942 | 18.0 | 59.4 | 268 |
| LG Seeds | 66C44VT2PRO | Genuity VT Double PRO | 78 | 103 | 50 | 32,852 | 17.3 | 58.1 | 267 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | 77 | 97 | 47 | 30,398 | 17.5 | 58.5 | 263 |
| Dyna-Gro | D54VC34 | Genuity VT Double PRO | 77 | 102 | 47 | 31,037 | 15.7 | 55.1 | 259 |
| Integra | 6493VT | Genuity VT Double PRO | 77 | 101 | 43 | 31,044 | 14.6 | 55.3 | 257 |
| Integra | 6641SS | SmartStax | 77 | 93 | 43 | 31,725 | 17.0 | 56.7 | 254 |
| Dyna-Gro | D58VC65 | Genuity VT Double PRO | 76 | 96 | 42 | 32,668 | 17.2 | 58.4 | 253 |
| Dyna-Gro | D55VC80 | Genuity VT Double PRO | 78 | 98 | 47 | 33,623 | 16.9 | 57.5 | 252 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | 78 | 97 | 45 | 32,852 | 21.7 | 59.2 | 252 |
| Croplan | X20117C/VT2P | Genuity VT Double PRO | 78 | 101 | 47 | 31,490 | 19.3 | 59.2 | 252 |
| Integra | 6720SS | Genuity SmartStax | 79 | 97 | 47 | N/A | 17.1 | 58.9 | 252 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | 78 | 100 | 48 | 32,670 | 21.3 | 58.5 | 251 |
| Dyna-Gro | D52VC63 | Genuity VT Double PRO | 77 | 99 | 43 | 33,283 | 15.4 | 57.8 | 247 |
| DEKALB | DKC 67-94TRE | Genuity Trecepta | 78 | 101 | 46 | 32,466 | 16.2 | 55.1 | 245 |
| Integra | 6695TRE | Genuity Trecepta | 76 | 98 | 45 | 31,389 | 16.5 | 59.0 | 241 |
| Integra | 6811VT | Genuity VT Double PRO | 78 | 98 | 45 | 29,686 | 21.0 | 58.5 | 238 |
| Integra | 6342TRE | Genuity Trecepta | 76 | 96 | 42 | 29,607 | 13.9 | 58.7 | 234 |

*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

# Dumas
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 68-48SS | Genuity SmartStax | 77 | 102 | 47 | 32,194 | 16.6 | 56.7 | 230 |
| LG Seeds | 64C30TRC | Genuity Trecepta | 76 | 97 | 47 | 31,309 | 14.2 | 56.5 | 230 |
| LG Seeds | 5643VT2RIB | Genuity VT Double PRO RIB | 78 | 99 | 47 | 32,670 | 16.1 | 57.0 | 228 |
| Integra | 6410SS | SmartStax | 73 | 93 | 39 | 31,377 | 15.0 | 57.2 | 219 |

*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

# Dumas
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | 77 | 99 | 45 | 32,074 | 17.4 | 57.6 | 252 |
| | C.V. % | | 1.8 | 3.7 | 5.6 | 3.3 | 6.8 | 1.3 | 4.7 |
| | P>f (hybrid) | | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | 1.9 | 5.1 | 3.6 | 1,757.8 | 1.7 | 1.1 | 18.4 |

## Agronomic information

| | |
|---|---|
| Plant Date | 4/27/2022 |
| Harvest Date | 10/5/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 32,000 |
| Precipitation (in) | 12.2 |
| Irrigation (in) | |

Herbicide

| | |
|---|---|
| Soil Type | Sherm clay |
| Tillage | |
| Previous Crop | |

## Trial Notes

Cooperator: Lone Star Family Farms

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.

For additional information contact:
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ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu
979-845-2935 / 979-845-8505

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 50 | pH | 7.1 |
| P (ppm)* | 39 | Conductivity (umho/cm) | 293 |
| K (ppm)* | 522 | Ca (ppm)* | 2,108 |
| S (ppm)* | 12 | Mg (ppm)* | 683 |
| | | Na (ppm)* | 45 |

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

# Corn
# Dumas
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Bayer | DEKALB | DKC 69-99TRE | 273 | |
| Wilbur-Ellis Company | Integra | CX001117TRE | 272 | |
| LG Seeds | LG Seeds | 66C44VT2PRO | 258 | 262 |
| Nutrien Ag | Dyna-Gro | D58VC65 | 251 | 257 |
| Wilbur-Ellis Company | Integra | 6641SS | 250 | |
| Nutrien Ag | Dyna-Gro | D55VC80 | 248 | 256 |
| Wilbur-Ellis Company | Integra | 6720SS | 246 | 253 |
| Wilbur-Ellis Company | Integra | 6811VT | 241 | |
| Wilbur-Ellis Company | Integra | 6410SS | 235 | 249 |
| LG Seeds | LG Seeds | 64C30TRC | 222 | 236 |
| LG Seeds | LG Seeds | 5643VT2RIB | 220 | 240 |
| Wilbur-Ellis Company | Integra | 6695TRE | 215 | 238 |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

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# Spearman
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEKALB | DKC 69-99TRE | Genuity Trecepta | N/A | 102 | 47 | 31,185 | 15.6 | 57.2 | 272 |
| LG Seeds | 66C32STX | SmartStax | N/A | 94 | 44 | 33,724 | 14.8 | 61.3 | 269 |
| Integra | CX001117TRE | Genuity Trecepta | N/A | 110 | 44 | 33,162 | 16.6 | 56.3 | 268 |
| Croplan | CP5760TRE | Genuity Trecepta | N/A | 99 | 43 | 32,413 | 17.6 | 57.1 | 265 |
| LG Seeds | 65C14TRC | Genuity Trecepta | N/A | 103 | 45 | 31,389 | 17.2 | 55.7 | 265 |
| Integra | 6342TRE | Genuity Trecepta | N/A | 96 | 40 | 30,984 | 13.4 | 59.2 | 257 |
| LG Seeds | 67C07VT2PRO | Genuity DG VT Double PRO | N/A | 95 | 46 | 31,032 | 14.2 | 59.0 | 255 |
| LG Seeds | 5643VT2RIB | Genuity VT Double PRO RIB | N/A | 101 | 43 | 33,509 | 13.6 | 56.3 | 250 |
| Integra | 6720SS | Genuity SmartStax | N/A | 104 | 47 | 33,067 | 14.8 | 60.2 | 248 |
| Dyna-Gro | D58VC65 | Genuity VT Double PRO | N/A | 97 | 42 | 32,459 | 13.7 | 59.7 | 244 |
| Integra | 6493VT | Genuity VT Double PRO | N/A | 96 | 41 | 31,249 | 12.5 | 56.6 | 241 |
| LG Seeds | 66C44VT2PRO | Genuity VT Double PRO | N/A | 95 | 44 | 32,459 | 14.5 | 57.3 | 239 |
| Dyna-Gro | D54VC34 | Genuity VT Double PRO | N/A | 97 | 44 | 30,319 | 12.4 | 56.5 | 238 |
| Integra | 6641SS | SmartStax | N/A | 99 | 47 | 31,546 | 15.0 | 58.0 | 235 |
| LG Seeds | 67C91VT2PRO | Genuity VT Double PRO | N/A | 95 | 41 | 31,897 | 18.6 | 59.1 | 235 |
| Croplan | X20117C/VT2P | Genuity VT Double PRO | N/A | 94 | 41 | 31,546 | 18.2 | 59.7 | 234 |
| DEKALB | DKC 68-48SS | Genuity SmartStax | N/A | 104 | 47 | 32,038 | 14.8 | 58.9 | 234 |
| Integra | 6410SS | SmartStax | N/A | 93 | 42 | 30,533 | 12.1 | 59.8 | 233 |
| Dyna-Gro | D52VC63 | Genuity VT Double PRO | N/A | 98 | 41 | 32,793 | 12.8 | 57.0 | 230 |
| Dyna-Gro | D57VC53 | Genuity VT Double PRO | N/A | 100 | 43 | 31,827 | 19.2 | 59.4 | 227 |
| DEKALB | DKC 67-94TRE | Genuity Trecepta | N/A | 95 | 43 | 33,654 | 14.1 | 55.2 | 223 |

*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

# Spearman
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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 | 6811VT | Genuity VT Double PRO | N/A | 100 | 41 | 31,204 | 18.1 | 59.2 | 223 |
| Dyna-Gro | D55VC80 | Genuity VT Double PRO | N/A | 98 | 48 | 32,836 | 14.8 | 57.0 | 222 |
| Integra | 6695TRE | Genuity Trecepta | N/A | 98 | 43 | 29,850 | 15.2 | 58.0 | 221 |
| LG Seeds | 64C30TRC | Genuity Trecepta | N/A | 95 | 45 | 31,193 | 11.5 | 54.9 | 211 |

*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

# Spearman
# 2022 Corn
# Performance Trial

TEXAS A&M AGRILIFE

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | 98 | 44 | 31,915 | 15.0 | 57.9 | 242 |
| | C.V. % | | | 7.1 | 9.0 | 5.1 | 7.1 | 2.2 | 9.2 |
| | P>f (hybrid) | | | 0.212 | 0.139 | 0.044 | 0.000 | 0.000 | 0.000 |
| | L.S.D. | | | | | 2,298.1 | | 1.8 | 23.7 |

## Agronomic information

| | |
|---|---|
| Plant Date | 4/27/2022 |
| Harvest Date | 10/4/2022 |
| Irrigated | Yes |
| Row Spacing (in) | 30 |
| Number of Rows | 2 |
| Target Seeds per Acre | 32,000 |
| Precipitation (in) | 10.1 |
| Irrigation (in) | |
| Herbicide | |
| Soil Type | Perryton silty clay loam |
| Tillage | |
| Previous Crop | Cotton |

## Trial Notes

Cooperator: Travis Patterson

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.

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979-845-2935 / 979-845-8505

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

## Fertilizer Applied

| | |
|---|---|
| N (lb/ac) | |
| P2O5 (lb/ac) | |
| K2O (lb/ac) | |
| S (lb/ac) | |
| Zn (lb/ac) | |

## Soil Analysis Report**

| | | | |
|---|---|---|---|
| NO3-N (ppm) | 59 | pH | 7.0 |
| P (ppm)* | 77 | Conductivity (umho/cm) | 481 |
| K (ppm)* | 521 | Ca (ppm)* | 2,546 |
| S (ppm)* | 70 | Mg (ppm)* | 643 |
| | | Na (ppm)* | 63 |

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

# Corn
# Spearman
# Multi-Year Summary

| Company | Brand | Hybrid | 2 YR AVG Yield bu/Acre | 3 YR AVG Yield bu/Acre |
|---|---|---|---|---|
| Wilbur-Ellis Company | Integra | CX001117TRE | 297 | |
| Bayer | DEKALB | DKC 69-99TRE | 286 | |
| Wilbur-Ellis Company | Integra | 6720SS | 275 | |
| LG Seeds | LG Seeds | 5643VT2RIB | 273 | |
| Wilbur-Ellis Company | Integra | 6641SS | 268 | |
| Nutrien Ag | Dyna-Gro | D58VC65 | 266 | |
| LG Seeds | LG Seeds | 66C44VT2PRO | 265 | |
| Nutrien Ag | Dyna-Gro | D55VC80 | 263 | |
| Wilbur-Ellis Company | Integra | 6410SS | 261 | |
| Wilbur-Ellis Company | Integra | 6695TRE | 258 | |
| LG Seeds | LG Seeds | 64C30TRC | 248 | |
| Wilbur-Ellis Company | Integra | 6811VT | 247 | |

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.

## ACKNOWLEDGMENTS

Appreciation for assistance and cooperation in conducting these tests is expressed to the following:

| Cooperator | Trial Location | County | Region |
|---|---|---|---|
| Texas AgriScience | Monte Alto | Hidalgo | Rio Grande Valley |
| Ring Brothers Farm | Sinton | San Patricio | Coastal Bend |
| Dennis Klump | Port Lavaca | Calhoun | Coastal Bend |
| Larry & Clint Kalina | Wharton | Wharton | Upper Gulf Coast |
| Nelson Reus | Hondo | Medina | South Texas Plains |
| Texas A&M AgriLife Research | College Station | Burleson | Brazos Valley |
| Stiles Farm Foundation | Thrall | Williamson | Blacklands |
| Bob & Steven Beakley | Bardwell | Ellis | Blacklands |
| Lone Star Family Farms | Dumas | Moore | High Plains |
| Travis Patterson | Spearman | Hansford | High Plains |

**Texas A&M AgriLife Personnel**:
Allison Baca
Ryan Collett
Dennis Coker
Marcel Fischbacher
Jake Hanes
Stephen Labar
Bob McCool
Dennis Pietsch

**Industry:** Bayer for providing Roundup used to maintain alleys in test plots and border seed

**Others:** Wayne Scholtz, Retired CEA, Medina County

Produced by the Department of Soil and Crop Sciences
Texas A&M AgriLife Research and AgriLife Extension Service

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