SCS-2021-12

2021 Texas Corn Performance Variety Trials

Department of Soil and Crop Sciences

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The Texas A&M University Systems

2021 TEXAS CORN PERFORMANCE VARIETY TRIALS

By

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Ronnie Schnell, Katrina Horn, Ethan Biar, 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, seven 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 2021 test sites are shown in Figure 1. A total of 281 entries were evaluated across 12 locations representing 39 unique hybrids from 6 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/.

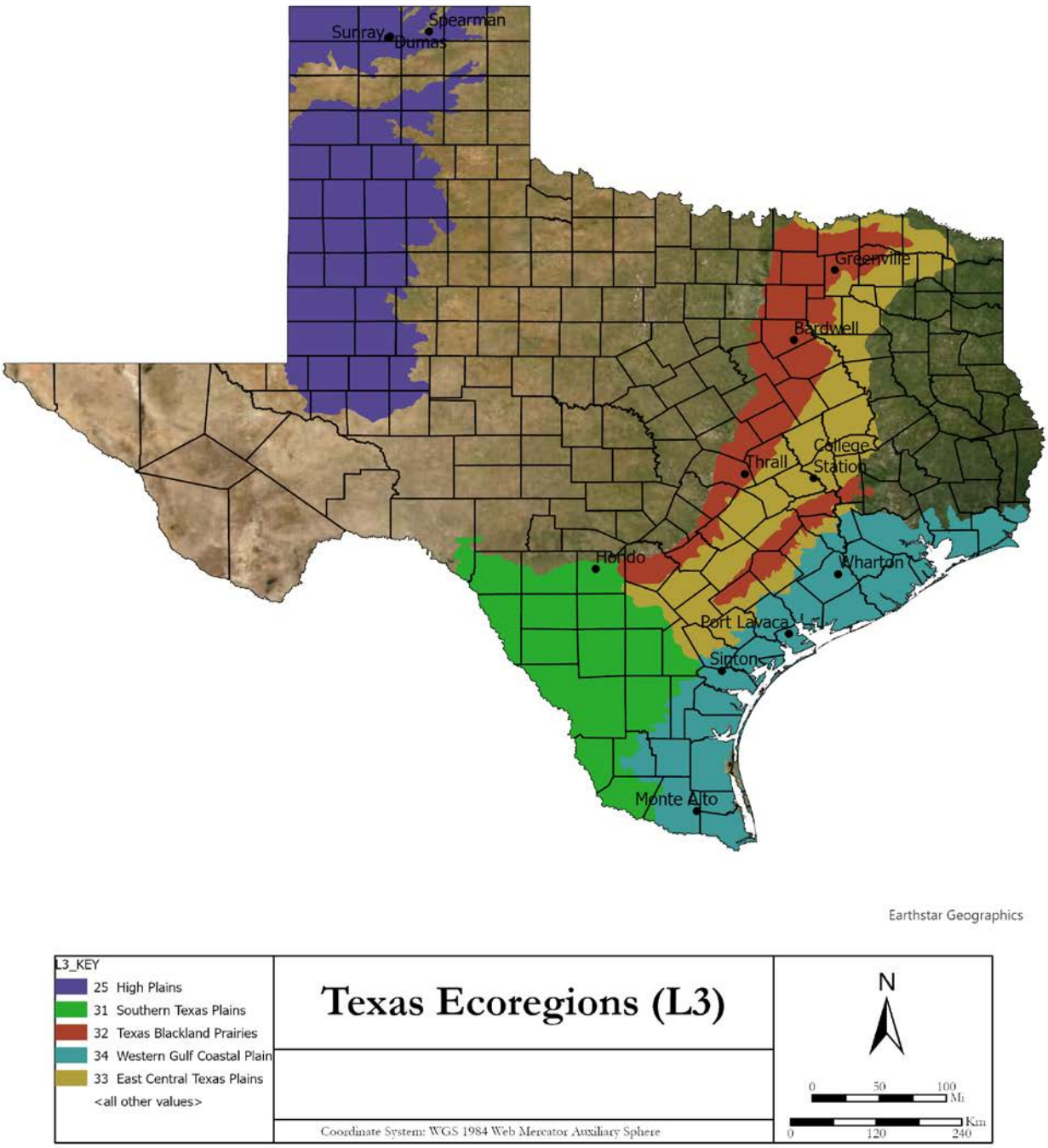
Suggestions for Selecting Hybrids and Varieties

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. 2021 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 2021 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.

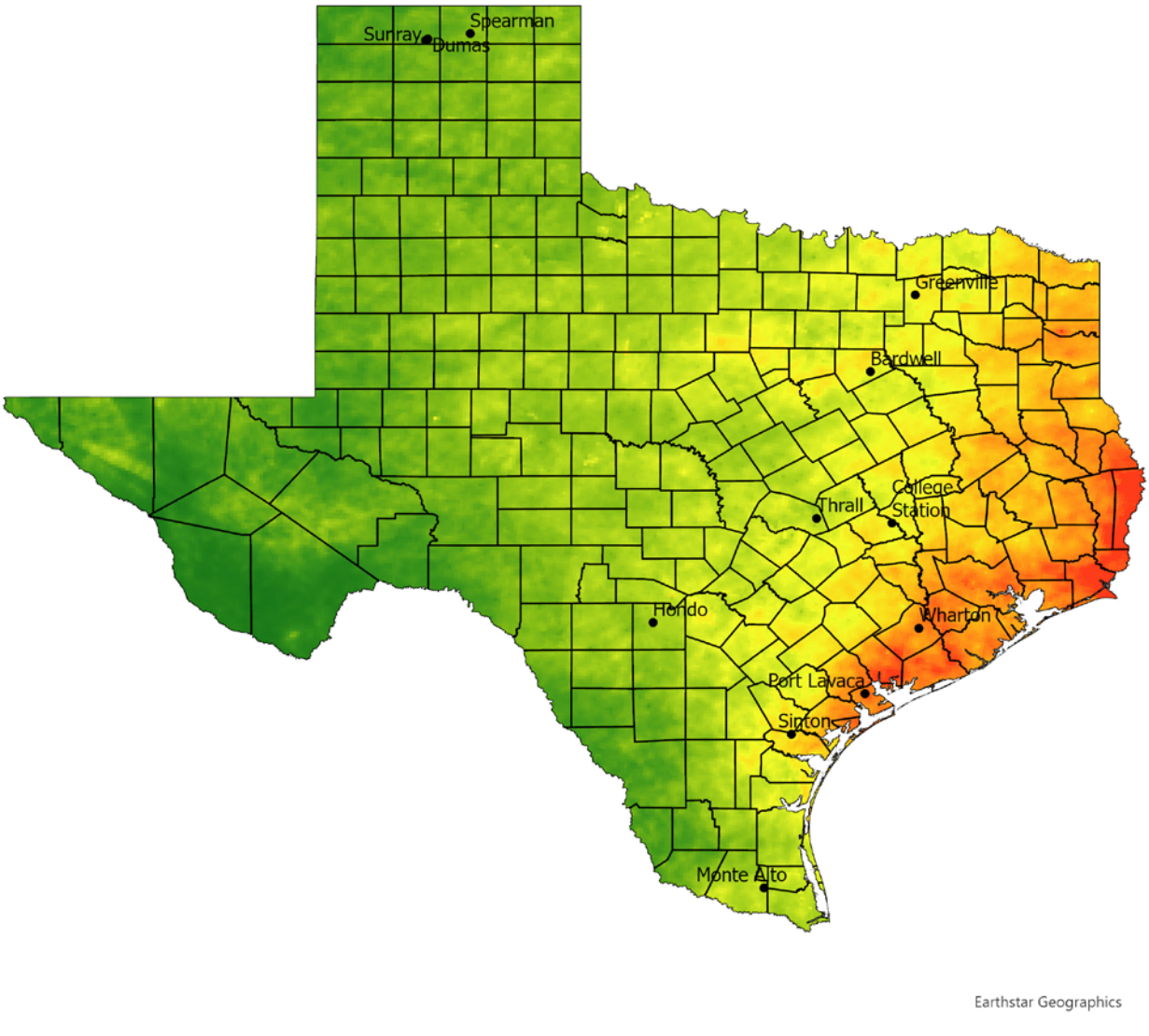
Yield: Standardized to 15.5% moisture: expressed in bushels per acre (bu/acre) and calculated using [((100 – moisture (%) /84.5) * yield (lb/acre)/56].

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. 2021 water year (October 1, 2020 – September 30, 2021) precipitation in inches



2021 Corn
Hybrid Characteristics

Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturitry	Relative Maturity
Bayer	DEKALB	DKC 69-99	Genuity Trecepta	Yellow	Red	2970	119
Corteva	Pioneer	P1847	Leptra	Yellow	Pink	2780	118
Corteva	Pioneer	P1506	Optimum Intrasect	Yellow	White	2810	115
LG Seeds	LG Seeds	68C59	N/A	Yellow	Pink	2950	118
LG Seeds	LG Seeds	66C44	Genuity VT Double PRO	Yellow	Red	2876	116
LG Seeds	LG Seeds	64C30	Genuity Trecepta	Yellow	Red	2828	114
LG Seeds	LG Seeds	5701	Genuity VT Double PRO	Yellow	Pink	2902	117
LG Seeds	LG Seeds	66C32	Genuity VT Double PRO	Yellow	Red	2904	116
LG Seeds	LG Seeds	68C88	Genuity VT Double PRO	Yellow	Red	2952	118
LG Seeds	LG Seeds	5643	Genuity VT Double PRO RI	Yellow	Red	2842	114
LG Seeds	LG Seeds	62C52	Genuity Trecepta	Yellow	Red	2650	112
Nutrien Ag	Dyna-Gro	D58VC22	Genuity VT Double PRO	Yellow	Red	2820	118
Nutrien Ag	Dyna-Gro	D58VC65	Genuity VT Double PRO	Yellow	Red	2820	118
Nutrien Ag	Dyna-Gro	D58SS65	Genuity SmartStax	Yellow	Red	2830	118
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	D53TC19	Genuity Trecepta	Yellow	Red	2710	113
Nutrien Ag	Dyna-Gro	D55VC80	Genuity VT Double PRO	Yellow	Red	2790	115
Nutrien Ag	Dyna-Gro	D54SS34	Genuity SmartStax	Yellow	Red	2740	114
Nutrien Ag	Dyna-Gro	D57TC29	Genuity Trecepta	Yellow	Pink	2790	117
Progeny Ag Products	Progeny	PGY9117	Genuity VT Double PRO	Yellow	Red	2800	117

2021 Corn

Hybrid Characteristics

Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturitry	Relative Maturity
Progeny Ag Products	Progeny	PGY2015	Genuity VT Double PRO	Yellow	Red	2860	115
Progeny Ag Products	Progeny	PGY2025	Genuity DG VT Double PRO	Yellow	Red		115
Progeny Ag Products	Progeny	PGY2118	Genuity VT Double PRO	Yellow	Red	2870	118
Progeny Ag Products	Progeny	PGY8116VT2P	Genuity VT Double PRO	Yellow	Red	2772	116
Progeny Ag Products	Progeny	EXP115	Genuity Trecepta	Yellow	Red	2810	115
Progeny Ag Products	Progeny	EXP116	N/A				
Progeny Ag Products	Progeny	PGY8116SSX	SmartStax	Yellow	Red	2772	116
Wilbur-Ellis Company	Integra	6533	Genuity VT Double PRO	Yellow	Red	2850	115
Wilbur-Ellis Company	Integra	CX001117	Genuity Trecepta	Yellow	Pink	2750	117
Wilbur-Ellis Company	Integra	6811	Genuity VT Double PRO	Yellow	Red	2870	118
Wilbur-Ellis Company	Integra	6641	SmartStax	Yellow	Red	2810	116
Wilbur-Ellis Company	Integra	6342	Genuity Trecepta	Yellow	Red	2800	113
Wilbur-Ellis Company	Integra	6540	Genuity Trecepta	Yellow	Red	2760	115
Wilbur-Ellis Company	Integra	6720	Genuity SmartStax	Yellow	Red	2970	117
Wilbur-Ellis Company	Integra	6621	Genuity SmartStax	Yellow	Red	2765	116
Wilbur-Ellis Company	Integra	6410	SmartStax	Yellow	Red	2725	114
Wilbur-Ellis Company	Integra	6555	Genuity VT Double PRO	Yellow	Red	2800	115
Wilbur-Ellis Company	Integra	6695	Genuity Trecepta	Yellow	Red	2830	116

Hybrid characteristics are provided by representatives of each company.
For additional information contact your local seed dealer or:
Katrina Horn
katrina.horn@agnet.tamu.edu
979-845-8505

Corn

Company Contacts

Company	Brand	Contact Information	Phone	Email
Bayer	DEKALB	Travis Courtney Lorena, TX 76655	806-292-7683	travis.courtney@bayer.com
Corteva	Pioneer	Cleve Franks 12762 CR 1394 Sinton, TX 78387	806-292-2327	cleve.franks@pioneer.com
LG Seeds	LG Seeds	Chris Sheppard 1122 E 169th Street Westfield, IN 46074	254-313-8720	chris.sheppard@lgseeds.com
Nutrien Ag	Dyna-Gro	Cord Willms 1024 Willms Road Columbus, TX 78934	361-960-4399	james.willms@nutrien.com
Nutrien Ag	Dyna-Gro	Shawn Carter 211 Crown Pointe Blvd Willow Park, TX 76087	318-282-9804	shawn.carter@nutrien.com
Progeny Ag Products	Progeny	Scottie Patton 1529 Hwy 193 Wynne, AR 72396	870-208-7869	scottie@progenyag.com
Wilbur-Ellis Company	Integra	Aaron Peterson 87194 494th Ave O'Neil, NE 68763	402-290-0373	apetersen@wilburellis.com

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Monte Alto
2021 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	D54SS34	Genuity SmartStax	61	69	30	N/A	14.7	60.9	141
Dyna-Gro	D58SS65	Genuity SmartStax	61	66	31	N/A	14.9	61.2	134
Integra	CX001117	Genuity Trecepta	60	69	29	N/A	14.5	59.5	133
Dyna-Gro	D57VC51	Genuity VT Double PRO	60	68	30	N/A	14.7	60.5	133
Dyna-Gro	D57TC29	Genuity Trecepta	61	64	28	N/A	14.0	58.7	127
Integra	6621	Genuity SmartStax	60	65	31	N/A	14.6	60.2	126
Integra	6410	SmartStax	61	63	30	N/A	14.7	60.5	125
Integra	6533	Genuity VT Double PRO	59	68	26	N/A	15.4	60.7	124
Integra	6695	Genuity Trecepta	60	64	30	N/A	14.4	60.9	124
LG Seeds	68C88	Genuity VT Double PRO	61	66	29	N/A	15.3	62.0	122
Integra	6720	Genuity SmartStax	63	64	29	N/A	15.1	61.7	120
Dyna-Gro	D53TC19	Genuity Trecepta	59	61	28	N/A	13.8	59.6	120
Dyna-Gro	D58VC22	Genuity VT Double PRO	60	63	30	N/A	14.9	61.1	119
DEKALB	DKC 69-99	Genuity Trecepta	61	68	29	N/A	16.1	62.7	118
Dyna-Gro	D54VC14	Genuity VT Double PRO	59	64	29	N/A	14.8	60.6	118
LG Seeds	66C44	Genuity VT Double PRO	61	65	31	N/A	14.5	61.4	118
Integra	6342	Genuity Trecepta	60	64	25	N/A	15.0	58.9	117
LG Seeds	64C30	Genuity Trecepta	58	64	29	N/A	14.5	60.5	114
Integra	6641	SmartStax	60	64	29	N/A	14.9	60.0	114
Integra	6540	Genuity Trecepta	60	64	26	N/A	14.9	59.4	109
Integra	6811	Genuity VT Double PRO	61	68	31	N/A	16.0	62.2	102

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

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Monte Alto
2021 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		60	65	29		14.8	60.6	122
	C.V. %		2.0	7.0	11.4		4.4	0.9	12.7
	P>f (hybrid)		0.001	0.553	0.348		0.001	0.000	0.170
	L.S.D.		1.7				0.9	0.8	

Agronomic information

Plant Date	3/7/2021
Harvest Date	8/12/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	30,000
Precipitation (in)	26
Irrigation (in)	12

Herbicide

3/11: Dual + Atrazine

Soil Type	Raymondville clay loam
Tillage	Conventional
Previous Crop	Cotton

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)		pH	
P (ppm)*		Conductivity (umho/cm)	
K (ppm)*		Ca (ppm)*	
S (ppm)*		Mg (ppm)*	
		Na (ppm)*	

*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
Nutrien Ag	Dyna-Gro	D57VC51	161	
Wilbur-Ellis Company	Integra	6533	153	
Nutrien Ag	Dyna-Gro	D58SS65	152	
Wilbur-Ellis Company	Integra	6621	151	
Nutrien Ag	Dyna-Gro	D53TC19	149	
Wilbur-Ellis Company	Integra	6695	148	
Wilbur-Ellis Company	Integra	6410	147	
LG Seeds	LG Seeds	64C30	146	
Nutrien Ag	Dyna-Gro	D54VC14	146	
Wilbur-Ellis Company	Integra	6720	145	
Wilbur-Ellis Company	Integra	6540	145	

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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Sinton
2021 Corn
Performance Trial

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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	65	70	22	24,394	15.3	57.2	142
Integra	6641	SmartStax	64	67	20	25,047	15.9	58.1	137
Dyna-Gro	D54VC14	Genuity VT Double PRO	62	65	19	26,136	15.7	57.8	136
Integra	6540	Genuity Trecepta	61	66	23	23,522	13.8	57.4	128
Progeny	PGY9117	Genuity VT Double PRO	64	70	22	25,918	14.9	57.5	127
Dyna-Gro	D57TC29	Genuity Trecepta	63	73	21	26,572	13.1	55.8	126
Integra	6621	Genuity SmartStax	63	69	23	25,265	13.7	57.2	126
LG Seeds	68C88	Genuity VT Double PRO	65	68	22	25,265	15.1	58.7	124
Progeny	EXP116	N/A	64	67	20	21,562	15.2	57.9	124
Progeny	PGY2015	Genuity VT Double PRO	64	68	23	22,433	14.7	58.0	123
LG Seeds	66C44	Genuity VT Double PRO	65	68	25	24,829	14.4	58.4	123
Integra	6342	Genuity Trecepta	65	66	22	27,661	14.3	56.0	123
Dyna-Gro	D54SS34	Genuity SmartStax	65	67	22	25,918	14.1	57.9	122
Progeny	PGY2118	Genuity VT Double PRO	67	64	22	26,136	15.8	59.6	121
DEKALB	DKC 69-99	Genuity Trecepta	64	67	23	23,305	15.0	58.8	121
Dyna-Gro	D53TC19	Genuity Trecepta	63	64	21	25,047	14.4	56.4	119
Progeny	PGY8116VT2P	Genuity VT Double PRO	65	62	24	25,918	15.3	58.4	119
Dyna-Gro	D58SS65	Genuity SmartStax	65	66	21	26,354	14.7	58.7	118
Integra	6811	Genuity VT Double PRO	64	66	21	24,611	15.5	59.4	118
Dyna-Gro	D58VC22	Genuity VT Double PRO	64	70	22	22,869	15.3	57.8	116
Integra	CX001117	Genuity Trecepta	65	71	21	27,661	13.6	55.5	116

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

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2021 Corn
Performance Trial

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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	6695	Genuity Trecepta	63	64	23	24,829	16.4	57.9	114
LG Seeds	64C30	Genuity Trecepta	62	68	22	22,869	14.5	57.7	112
Integra	6533	Genuity VT Double PRO	64	63	20	24,176	15.6	57.6	111
Integra	6720	Genuity SmartStax	67	67	22	25,047	14.7	58.8	110
Progeny	PGY8116SSX	SmartStax	67	67	24	23,958	16.1	57.3	105
Integra	6410	SmartStax	63	64	18	26,354	15.0	58.5	105

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

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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			64	67	22	24,950	14.9	57.8	121
C.V. %			2.0	4.0	10.4	7.5	4.9	2.3	9.1
P>f (hybrid)			0.000	0.000	0.013	0.001	0.000	0.002	0.001
L.S.D.			1.8	3.8	3.2	2,651.7	1.0	1.8	15.5

Agronomic information

Plant Date	3/4/2021
Harvest Date	7/28/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	26,000
Precipitation (in)	31.1
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)	40	pH	7.5
P (ppm)*	13	Conductivity (umho/cm)	407
K (ppm)*	375	Ca (ppm)*	5,334
S (ppm)*	8	Mg (ppm)*	692
		Na (ppm)*	141

*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	157	158
Nutrien Ag	Dyna-Gro	D54VC14	150	152
Wilbur-Ellis Company	Integra	6540	148	
Wilbur-Ellis Company	Integra	6621	145	151
Nutrien Ag	Dyna-Gro	D53TC19	145	
Progeny Ag Products	Progeny	PGY9117	140	145
Wilbur-Ellis Company	Integra	6533	139	142
LG Seeds	LG Seeds	64C30	137	145
Nutrien Ag	Dyna-Gro	D58SS65	136	143
Wilbur-Ellis Company	Integra	6695	136	141
Wilbur-Ellis Company	Integra	6410	136	142
Progeny Ag Products	Progeny	PGY8116SSX	135	138
Wilbur-Ellis Company	Integra	6720	135	141

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

Port Lavaca
2021 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	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 VT Double PRO	N/A	64	21	26,308	14.0	57.1	114
Integra	6621	Genuity SmartStax	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.

TEXAS A&M UNIVERSITY
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Port Lavaca
2021 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	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 SmartStax	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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TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Port Lavaca
2021 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	19	24,444	13.7	56.7	115
	C.V. %			3.7	10.2	7.0	3.8	1.3	9.2
	P>f (hybrid)			0.000	0.091	0.194	0.000	0.000	0.005
	L.S.D.			3.4			0.8	1.0	15.5

Agronomic information

Plant Date	3/18/2021
Harvest Date	8/11/2021
Irrigated	No
Row Spacing (in)	38
Number of Rows	2
Target Seeds per Acre	24,000
Precipitation (in)	49.1
Irrigation (in)	

Herbicide

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

Soil Type	Laewest clay
Tillage	Minimum till, planted on beds
Previous Crop	Corn

Trial Notes

Cooperator: Dennis Klump

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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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)	135
P2O5 (lb/ac)	44
K2O (lb/ac)	0
S (lb/ac)	16
Zn (lb/ac)	1

Soil Analysis Report**

NO3-N (ppm)	10	pH	6.3
P (ppm)*	60	Conductivity (umho/cm)	307
K (ppm)*	309	Ca (ppm)*	7,117
S (ppm)*	8	Mg (ppm)*	725
		Na (ppm)*	43

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

Corn
Port Lavaca
Multi-Year Summary

Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Wilbur-Ellis Company	Integra	6540	141	
Wilbur-Ellis Company	Integra	6621	141	130
Nutrien Ag	Dyna-Gro	D57VC51	140	130
Nutrien Ag	Dyna-Gro	D53TC19	139	
Progeny Ag Products	Progeny	PGY2025	138	
LG Seeds	LG Seeds	64C30	137	127
Nutrien Ag	Dyna-Gro	D58SS65	135	129
Progeny Ag Products	Progeny	PGY8116SSX	133	125
Wilbur-Ellis Company	Integra	6533	132	121
Wilbur-Ellis Company	Integra	6695	131	125
Wilbur-Ellis Company	Integra	6720	131	124
Corteva	Pioneer	P1847	128	
Nutrien Ag	Dyna-Gro	D54VC14	127	124
Wilbur-Ellis Company	Integra	6410	124	122

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
2021 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	5701	Genuity VT Double PRO	72	85	30	23,522	15.0	58.4	188
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	81	30	23,522	14.9	58.4	182
Dyna-Gro	D58VC22	Genuity VT Double PRO	69	86	31	23,196	14.8	59.0	179
Progeny	PGY8116VT2P	Genuity VT Double PRO	70	78	33	25,483	15.3	59.3	177
DEKALB	DKC 69-99	Genuity Trecepta	69	81	32	24,176	15.8	60.0	177
Integra	6641	SmartStax	69	83	30	23,522	15.1	58.2	176
Dyna-Gro	D54VC14	Genuity VT Double PRO	68	81	31	24,176	14.8	58.8	176
Progeny	PGY2118	Genuity VT Double PRO	72	80	29	22,216	15.9	59.7	175
Integra	6533	Genuity VT Double PRO	68	80	32	24,176	15.0	58.5	174
LG Seeds	68C88	Genuity VT Double PRO	69	83	33	24,176	15.2	59.7	174
Pioneer	P1847	Leptra	74	86	31	23,522	15.2	58.4	173
Integra	CX001117	Genuity Trecepta	71	83	29	24,829	14.4	56.7	173
Dyna-Gro	D54SS34	Genuity SmartStax	72	84	33	23,522	14.6	58.8	172
Integra	6720	Genuity SmartStax	74	81	33	23,522	15.2	59.5	171
Integra	6342	Genuity Trecepta	69	80	32	24,176	13.9	56.2	171
Dyna-Gro	D53TC19	Genuity Trecepta	68	78	31	23,849	14.4	57.3	171
LG Seeds	64C30	Genuity Trecepta	68	82	32	21,562	14.7	58.1	169
Progeny	PGY2015	Genuity VT Double PRO	69	82	34	22,651	14.6	58.8	169
Integra	6695	Genuity Trecepta	70	79	31	24,829	15.4	59.4	169
Progeny	EXP115	Genuity Trecepta	70	85	33	24,829	14.8	58.5	169
Dyna-Gro	D58SS65	Genuity SmartStax	72	79	28	22,869	15.4	59.2	168

*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
2021 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	6621	Genuity SmartStax	69	79	33	23,849	15.0	58.0	167
Progeny	PGY8116SSX	SmartStax	71	82	33	23,740	15.3	59.8	167
Pioneer	P1506	Optimum Intrasect	69	83	29	24,176	15.0	58.6	166
Progeny	PGY2025	Genuity DG VT Double PRO	69	81	31	24,176	14.8	57.7	166
Dyna-Gro	D57TC29	Genuity Trecepta	69	84	30	23,522	13.9	56.4	166
LG Seeds	66C44	Genuity VT Double PRO	71	80	30	24,176	14.8	58.6	164
Integra	6540	Genuity Trecepta	68	77	30	22,542	14.4	57.0	164
Integra	6410	SmartStax	70	78	29	22,869	15.7	58.8	161
Integra	6811	Genuity VT Double PRO	73	79	29	24,176	15.7	59.3	161

*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
2021 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	81	31	23,718	15.0	58.5	171
	C.V. %		2.0	2.5	6.1	4.0	2.0	0.6	3.4
	P>f (hybrid)		0.000	0.000	0.001	0.268	0.000	0.000	0.000
	L.S.D.		2.0	2.9	2.7		0.4	0.5	8.2

Agronomic information

Plant Date	3/9/2021
Harvest Date	8/12/2021
Irrigated	No
Row Spacing (in)	40
Number of Rows	2
Target Seeds per Acre	24,000
Precipitation (in)	40.6
Irrigation (in)	
Herbicide	
Soil Type	Clemville silty clay loam
Tillage	Conventional, planted on beds
Previous Crop	Corn

Trial Notes

Cooperator: Larry & Clint 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:
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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)	9	pH	7.7
P (ppm)*	20	Conductivity (umho/cm)	165
K (ppm)*	190	Ca (ppm)*	11,788
S (ppm)*	10	Mg (ppm)*	245
		Na (ppm)*	8

*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	5701	178	181
Nutrien Ag	Dyna-Gro	D57VC51	178	179
Wilbur-Ellis Company	Integra	6621	173	169
LG Seeds	LG Seeds	64C30	172	172
Nutrien Ag	Dyna-Gro	D54VC14	172	172
Nutrien Ag	Dyna-Gro	D53TC19	172	
Wilbur-Ellis Company	Integra	6533	171	170
Corteva	Pioneer	P1847	170	
Progeny Ag Products	Progeny	PGY2025	169	
Nutrien Ag	Dyna-Gro	D58SS65	169	171
Wilbur-Ellis Company	Integra	6695	168	170
Progeny Ag Products	Progeny	PGY8116SSX	167	167
Wilbur-Ellis Company	Integra	6410	165	164
Wilbur-Ellis Company	Integra	6540	164	
Wilbur-Ellis Company	Integra	6720	163	165
Progeny Ag Products	Progeny	PGY2015	161	

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
2021 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)
Pioneer	P1847	Leptra	75	82	27	26,862	15.6	61.8	178
Integra	CX001117	Genuity Trecepta	72	81	29	22,688	14.9	59.7	136
Dyna-Gro	D57TC29	Genuity Trecepta	72	80	28	18,695	14.2	59.8	134
Integra	6695	Genuity Trecepta	71	75	28	23,414	14.5	61.0	134
Dyna-Gro	D58SS65	Genuity SmartStax	74	71	26	22,325	16.5	61.1	131
Dyna-Gro	D54SS34	Genuity SmartStax	74	78	30	21,236	14.3	59.4	130
Progeny	EXP115	Genuity Trecepta	71	80	29	21,599	14.7	60.9	126
Integra	6811	Genuity VT Double PRO	74	74	28	19,421	17.2	62.2	124
Dyna-Gro	D54VC14	Genuity VT Double PRO	69	76	26	20,328	14.6	59.7	121
Integra	6410	SmartStax	72	74	26	17,969	13.7	60.7	119
Progeny	EXP116	N/A	74	75	28	19,058	15.4	60.7	113
LG Seeds	66C32	Genuity VT Double PRO	75	71	28	17,424	14.8	61.4	110
Progeny	PGY2118	Genuity VT Double PRO	74	74	27	19,602	17.9	61.6	110
DEKALB	DKC 69-99	Genuity Trecepta	74	75	29	16,880	15.9	61.6	106
Integra	6720	Genuity SmartStax	74	76	30	22,325	14.9	62.1	105
Integra	6540	Genuity Trecepta	68	74	30	18,332	13.5	60.0	102
Integra	6533	Genuity VT Double PRO	73	74	27	17,787	14.5	60.1	101
Progeny	PGY8116VT2P	Genuity VT Double PRO	73	74	31	18,695	15.4	61.6	100
Dyna-Gro	D53TC19	Genuity Trecepta	69	73	29	17,061	14.1	60.0	99
Integra	6641	SmartStax	72	73	26	17,424	14.3	59.8	98
Progeny	PGY9117	Genuity VT Double PRO	72	76	29	17,243	14.2	61.5	97

*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
2021 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	D58VC22	Genuity VT Double PRO	71	78	29	15,972	14.1	61.6	97
Integra	6342	Genuity Trecepta	71	74	30	12,887	14.5	60.0	94
LG Seeds	66C44	Genuity VT Double PRO	73	76	29	20,691	15.1	61.2	94
Progeny	PGY8116SSX	SmartStax	74	73	29	15,791	15.5	62.6	94
Dyna-Gro	D57VC51	Genuity VT Double PRO	74	76	27	13,613	14.5	60.6	87
Integra	6621	Genuity SmartStax	70	76	31	13,794	13.6	59.6	79
LG Seeds	64C30	Genuity Trecepta	71	72	27	13,976	14.8	60.3	58
Progeny	PGY2015	Genuity VT Double PRO	73	72	28	8,712	13.9	60.3	44

*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
2021 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		72	75	28	18,338	14.8	60.8	108
	C.V. %		1.5	3.0	7.7	19.6	5.8	1.2	13.4
	P>f (hybrid)		0.000	0.000	0.020	0.000	0.000	0.000	0.000
	L.S.D.		1.5			5,045.7	1.2	1.1	20.3

Agronomic information

Plant Date	3/8/2021
Harvest Date	8/10/2021
Irrigated	Yes
Row Spacing (in)	36
Number of Rows	2
Target Seeds per Acre	30,000
Precipitation (in)	21.3
Irrigation (in)	9

Herbicide

1 lb/ac Atrazine + 1.25 pt/ac Resicore + 32 oz/ac Roundup at V4.

Soil Type	Knippa clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

*On 4/28 a storm caused significant hail damage resulting in stand reductions
*On 5/10 a secondary storm with high winds and ~4" of rain led to lodging; resulting in further stand reduction and poor plant health

*At R2 6 oz/ac Aproach + 4 oz/ac Tebuconizole applied as fungicide. 4 oz/ac Oberon applied as insecticide.

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

Cooperator: Nelson Reus

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Fertilizer Applied

N (lb/ac)	180
P2O5 (lb/ac)	60
K2O (lb/ac)	5
S (lb/ac)	3
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	61	pH	7.6
P (ppm)*	27	Conductivity (umho/cm)	528
K (ppm)*	741	Ca (ppm)*	17,162
S (ppm)*	17	Mg (ppm)*	369
		Na (ppm)*	25

*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	205	210
Wilbur-Ellis Company	Integra	6695	183	191
Nutrien Ag	Dyna-Gro	D54VC14	176	189
Nutrien Ag	Dyna-Gro	D58SS65	173	181
Wilbur-Ellis Company	Integra	6410	172	182
LG Seeds	LG Seeds	66C32	169	182
Wilbur-Ellis Company	Integra	6540	167	
Wilbur-Ellis Company	Integra	6720	167	182
Nutrien Ag	Dyna-Gro	D53TC19	166	
Progeny Ag Products	Progeny	PGY9117	163	177
Nutrien Ag	Dyna-Gro	D57VC51	162	181
Wilbur-Ellis Company	Integra	6533	159	175
Progeny Ag Products	Progeny	PGY8116SSX	155	172
Wilbur-Ellis Company	Integra	6621	154	176
LG Seeds	LG Seeds	64C30	146	167
Progeny Ag Products	Progeny	PGY2015	130	

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
2021 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	5701	Genuity VT Double PRO	76	91	31	29,403	14.6	58.8	210
DEKALB	DKC 69-99	Genuity Trecepta	74	89	34	28,532	14.3	59.5	207
Dyna-Gro	D57VC51	Genuity VT Double PRO	75	90	32	30,056	14.7	58.9	203
Integra	6641	SmartStax	74	88	32	30,056	14.5	58.4	203
Dyna-Gro	D57TC29	Genuity Trecepta	74	92	32	31,145	12.3	57.0	201
Integra	6342	Genuity Trecepta	72	87	32	29,839	12.3	56.7	198
Dyna-Gro	D54VC14	Genuity VT Double PRO	73	86	30	29,839	13.2	58.4	193
Progeny	EXP116	N/A	74	84	31	28,096	14.9	59.7	193
Dyna-Gro	D53TC19	Genuity Trecepta	72	86	33	28,750	12.6	57.1	193
Integra	6540	Genuity Trecepta	73	85	30	28,314	12.4	57.1	192
LG Seeds	66C32	Genuity VT Double PRO	77	86	33	29,403	13.9	59.4	191
Integra	6811	Genuity VT Double PRO	76	85	32	29,621	14.8	59.6	190
Integra	6621	Genuity SmartStax	73	86	32	29,403	13.0	57.9	188
Dyna-Gro	D58SS65	Genuity SmartStax	75	83	29	30,274	13.9	59.4	187
Integra	CX001117	Genuity Trecepta	75	91	32	30,710	12.3	56.9	186
LG Seeds	64C30	Genuity Trecepta	72	88	33	25,265	13.2	57.7	184
Dyna-Gro	D58VC22	Genuity VT Double PRO	73	90	34	29,621	13.9	59.1	184
Integra	6410	SmartStax	74	85	29	31,145	13.3	58.5	183
Dyna-Gro	D54SS34	Genuity SmartStax	76	86	34	30,274	13.4	58.8	183
Integra	6720	Genuity SmartStax	77	85	31	30,710	13.7	59.4	182
LG Seeds	66C44	Genuity VT Double PRO	75	86	32	29,403	14.1	58.5	181

*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
2021 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	6695	Genuity Trecepta	74	86	30	28,314	13.8	59.2	179
Integra	6533	Genuity VT Double PRO	74	87	33	29,185	13.6	58.2	178

*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
2021 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		74	87	32	29,450	13.6	58.4	191
	C.V. %		1.3	3.0	5.9	4.6	3.2	0.8	6.3
	P>f (hybrid)		0.000	0.000	0.004	0.000	0.000	0.000	0.005
	L.S.D.		1.4	3.7	2.6	1,915.9	0.6	0.7	17.0

Agronomic information

Plant Date	3/10/2021
Harvest Date	8/5/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	30,000
Precipitation (in)	29.1
Irrigation (in)	0

Herbicide

*Pre-emerge: 14 oz/ac Outlook + 4.5 oz/ac Explorer
*5/17: Sprayed 1 qt/ac Roundup + 1.33 pt/ac Dual

Soil Type	Weswood silty clay
Tillage	Conventional, planted on beds. Cultivated 4/31.
Previous Crop	Soybeans

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)	250
P2O5 (lb/ac)	35
K2O (lb/ac)	0
S (lb/ac)	20
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	15	pH	7.7
P (ppm)*	39	Conductivity (umho/cm)	126
K (ppm)*	194	Ca (ppm)*	6,234
S (ppm)*	8	Mg (ppm)*	231
		Na (ppm)*	41

*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
LG Seeds	LG Seeds	5701	187	
Nutrien Ag	Dyna-Gro	D54VC14	186	175
Wilbur-Ellis Company	Integra	6540	180	
Nutrien Ag	Dyna-Gro	D53TC19	178	
Nutrien Ag	Dyna-Gro	D58SS65	177	175
Nutrien Ag	Dyna-Gro	D57VC51	177	180
Wilbur-Ellis Company	Integra	6410	177	173
Wilbur-Ellis Company	Integra	6720	176	176
Wilbur-Ellis Company	Integra	6621	173	174
Wilbur-Ellis Company	Integra	6695	172	171
LG Seeds	LG Seeds	66C32	172	161
LG Seeds	LG Seeds	64C30	170	174
Wilbur-Ellis Company	Integra	6533	167	169

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
2021 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	6342	Genuity Trecepta	71	88	34	26,572	11.0	57.5	195
Integra	6641	SmartStax	71	92	33	26,572	13.3	57.7	190
Dyna-Gro	D54SS34	Genuity SmartStax	73	90	34	26,136	12.1	59.8	190
DEKALB	DKC 69-99	Genuity Trecepta	72	93	35	25,047	14.1	59.9	188
Progeny	PGY2015	Genuity VT Double PRO	71	88	35	25,265	13.0	60.4	188
Integra	6533	Genuity VT Double PRO	71	89	34	24,394	13.2	58.2	187
Dyna-Gro	D54VC14	Genuity VT Double PRO	71	88	34	27,007	12.0	58.4	186
Dyna-Gro	D58VC22	Genuity VT Double PRO	72	94	34	24,829	13.5	58.5	186
Dyna-Gro	D53TC19	Genuity Trecepta	71	88	33	25,265	10.4	56.0	184
Progeny	EXP115	Genuity Trecepta	71	94	34	26,136	12.3	58.3	183
Integra	CX001117	Genuity Trecepta	71	93	34	26,136	10.8	56.0	182
Integra	6410	SmartStax	71	87	35	24,829	11.7	58.6	182
Integra	6811	Genuity VT Double PRO	73	90	34	26,354	13.7	60.0	181
Integra	6540	Genuity Trecepta	71	90	35	25,918	10.8	56.3	180
Dyna-Gro	D58SS65	Genuity SmartStax	72	90	33	25,047	12.9	57.9	180
Progeny	PGY8116VT2P	Genuity VT Double PRO	73	89	34	26,572	13.5	59.1	180
Progeny	PGY2025	Genuity DG VT Double PRO	71	90	35	25,700	12.0	56.6	180
Integra	6621	Genuity SmartStax	71	92	35	25,918	12.9	57.8	180
Dyna-Gro	D57VC51	Genuity VT Double PRO	73	93	34	24,611	13.8	57.5	180
Dyna-Gro	D57TC29	Genuity Trecepta	71	95	34	25,265	10.2	55.7	179
Integra	6720	Genuity SmartStax	74	89	36	27,225	13.6	59.6	179

*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
2021 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	64C30	Genuity Trecepta	70	93	34	26,789	11.0	56.4	179
Progeny	PGY2118	Genuity VT Double PRO	73	89	34	26,789	13.5	58.9	175
Progeny	PGY8116SSX	SmartStax	73	91	36	25,918	13.6	58.7	172
Integra	6695	Genuity Trecepta	70	90	34	23,958	12.3	59.2	169
LG Seeds	66C44	Genuity VT Double PRO	73	93	36	23,522	14.5	58.9	166

*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
2021 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		72	91	34	25,684	12.5	58.1	182
	C.V. %		0.9	2.8	6.3	6.5	5.3	1.2	6.0
	P>f (hybrid)		0.000	0.000	0.809	0.173	0.000	0.000	0.135
	L.S.D.		1.0	3.5			0.9	1.0	

Agronomic information

Plant Date	3/11/2021
Harvest Date	7/30/2021
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	24,000
Precipitation (in)	19
Irrigation (in)	

Herbicide

*Pre-emerge: 1 qt/ac Roundup + 14oz/ac Outlook + 4.5 oz/ac Explorer
*4/21: 1 qt/ac Roundup + 1.33 pt/ac Dual + 1 qt/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)	65
K2O (lb/ac)	55
S (lb/ac)	15
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	8	pH	5.4
P (ppm)*	51	Conductivity (umho/cm)	140
K (ppm)*	140	Ca (ppm)*	4,293
S (ppm)*	12	Mg (ppm)*	583
		Na (ppm)*	20

*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
Nutrien Ag	Dyna-Gro	D53TC19	142	
Wilbur-Ellis Company	Integra	6533	138	143
LG Seeds	LG Seeds	64C30	137	147
Nutrien Ag	Dyna-Gro	D54VC14	137	146
Wilbur-Ellis Company	Integra	6410	137	141
Wilbur-Ellis Company	Integra	6621	135	147
Wilbur-Ellis Company	Integra	6540	134	
Nutrien Ag	Dyna-Gro	D58SS65	134	140
Wilbur-Ellis Company	Integra	6720	130	137
Progeny Ag Products	Progeny	PGY8116SSX	129	142
Nutrien Ag	Dyna-Gro	D57VC51	127	136
Wilbur-Ellis Company	Integra	6695	127	137

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
2021 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	6342	Genuity Trecepta	77	91	33	N/A	15.3	57.5	167
Integra	6811	Genuity VT Double PRO	80	91	34	N/A	17.6	58.9	151
Integra	6641	SmartStax	78	89	32	N/A	15.6	58.8	146
LG Seeds	64C30	Genuity Trecepta	77	91	32	N/A	15.1	58.5	142
Integra	CX001117	Genuity Trecepta	79	97	28	N/A	15.2	57.9	142
Dyna-Gro	D57TC29	Genuity Trecepta	78	96	33	N/A	15.0	58.0	141
Dyna-Gro	D54VC14	Genuity VT Double PRO	78	87	28	N/A	15.5	59.4	139
LG Seeds	68C88	Genuity VT Double PRO	81	93	33	N/A	17.8	58.8	135
Integra	6410	SmartStax	80	85	29	N/A	14.9	59.3	128
Dyna-Gro	D53TC19	Genuity Trecepta	77	92	34	N/A	14.2	58.8	128
Dyna-Gro	D58SS65	Genuity SmartStax	82	87	29	N/A	15.9	59.1	127
DEKALB	DKC 69-99	Genuity Trecepta	79	93	33	N/A	18.2	59.2	126
Integra	6695	Genuity Trecepta	77	92	32	N/A	15.5	59.3	124
LG Seeds	66C44	Genuity VT Double PRO	82	95	36	N/A	16.2	58.5	124
Integra	6621	Genuity SmartStax	79	93	34	N/A	15.5	58.5	123
Dyna-Gro	D58VC22	Genuity VT Double PRO	80	93	30	N/A	15.7	58.8	120
Integra	6720	Genuity SmartStax	82	91	34	N/A	17.0	58.9	117
Integra	6540	Genuity Trecepta	77	93	34	N/A	13.8	58.4	111
Dyna-Gro	D54SS34	Genuity SmartStax	84	89	30	N/A	15.3	57.8	103
Integra	6533	Genuity VT Double PRO	79	89	31	N/A	15.8	58.1	100
Dyna-Gro	D57VC51	Genuity VT Double PRO	79	91	28	N/A	14.6	57.5	93

*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
2021 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		79	91	32		15.7	58.6	128
	C.V. %		1.5	3.3	8.0		4.9	0.8	11.5
	P>f (hybrid)		0.000	0.000	0.000		0.000	0.000	0.000
	L.S.D.		1.7	4.2	3.6		1.1	0.7	22.1

Agronomic information

Plant Date	3/15/2021
Harvest Date	8/17/2021
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	24,000
Precipitation (in)	29.3
Irrigation (in)	

Herbicide

2.5 oz/ac Zidua at planting

Soil Type	Branyon clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

Cooperator: Bob & 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)	186
P2O5 (lb/ac)	50
K2O (lb/ac)	18
S (lb/ac)	10
Zn (lb/ac)	

Soil Analysis Report**

NO3-N (ppm)	41	pH	7.6
P (ppm)*	17	Conductivity (umho/cm)	420
K (ppm)*	380	Ca (ppm)*	17,322
S (ppm)*	6	Mg (ppm)*	194
		Na (ppm)*	13

*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
LG Seeds	LG Seeds	64C30	129	144
Nutrien Ag	Dyna-Gro	D54VC14	126	144
Nutrien Ag	Dyna-Gro	D53TC19	124	
Nutrien Ag	Dyna-Gro	D58SS65	119	137
Wilbur-Ellis Company	Integra	6410	117	137
Wilbur-Ellis Company	Integra	6720	115	131
Wilbur-Ellis Company	Integra	6621	114	139
Wilbur-Ellis Company	Integra	6695	113	133
Wilbur-Ellis Company	Integra	6540	113	
Wilbur-Ellis Company	Integra	6533	106	128
Nutrien Ag	Dyna-Gro	D57VC51	94	121

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

Dumas
2021 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 69-99	Genuity Trecepta	83	107	49	31,799	19.8	58.7	272
LG Seeds	66C32	Genuity VT Double PRO	82	105	48	31,799	19.6	58.6	260
Dyna-Gro	D57TC29	Genuity Trecepta	83	110	45	30,492	20.2	56.6	254
Progeny	PGY8116VT2P	Genuity VT Double PRO	83	101	48	32,017	20.1	58.1	253
LG Seeds	68C59	N/A	84	112	46	29,185	18.6	55.9	253
Progeny	PGY2118	Genuity VT Double PRO	83	105	48	32,888	21.6	58.5	251
Integra	6410	SmartStax	80	99	44	33,106	17.7	60.0	251
Integra	CX001117	Genuity Trecepta	82	108	43	30,928	19.6	56.9	251
LG Seeds	66C44	Genuity VT Double PRO	83	108	50	31,581	17.8	58.3	250
Dyna-Gro	D58VC65	Genuity VT Double PRO	82	103	45	30,928	18.8	58.3	248
Dyna-Gro	D54SS34	Genuity SmartStax	84	106	45	29,403	20.4	58.8	247
Integra	6641	SmartStax	83	103	47	30,928	21.8	56.6	246
Progeny	EXP116	N/A	83	103	44	29,403	22.9	58.1	245
Integra	6811	Genuity VT Double PRO	84	105	48	30,274	21.0	58.7	244
Dyna-Gro	D55VC80	Genuity VT Double PRO	84	108	47	32,017	19.0	57.4	243
Integra	6720	Genuity SmartStax	84	105	47	28,532	21.9	57.9	240
Progeny	PGY9117	Genuity VT Double PRO	83	106	45	30,928	19.7	58.3	239
LG Seeds	62C52	Genuity Trecepta	80	103	45	30,056	15.5	57.5	237
Integra	6621	Genuity SmartStax	81	104	46	30,056	18.9	58.8	237
Integra	6555	Genuity VT Double PRO	81	101	45	30,274	15.8	57.4	226
Progeny	PGY8116SSX	SmartStax	84	107	49	30,274	21.7	58.1	224

*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
2021 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	64C30	Genuity Trecepta	80	105	47	28,967	16.9	59.3	215
LG Seeds	5643	Genuity VT Double PRO RIB	81	102	45	28,096	16.7	57.7	212
Progeny	PGY2015	Genuity VT Double PRO	81	99	43	27,878	16.4	59.8	211
Integra	6695	Genuity Trecepta	81	103	45	29,185	21.0	57.7	187

*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
2021 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		82	105	46	30,440	19.3	58.1	240
	C.V. %		1.7	2.4	4.1	6.5	7.0	1.2	7.0
	P>f (hybrid)		0.000	0.000	0.000	0.012	0.000	0.000	0.000
	L.S.D.		1.9	3.5	2.7	2,793.8	1.9	1.0	23.9

Agronomic information

Plant Date	4/27/2021
Harvest Date	9/28/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	32,000
Precipitation (in)	16.8
Irrigation (in)	

Herbicide

Pre-plant: 4 oz/ac RealmQ + 1.25 qt/ac FultimeNXT + 12 oz/ac 2,4-D + 12 oz/ac BanvelHQ. At plant: 1.25 qt/ac Resicore + 1 pt/ac Atrazine4L + 40 oz/ac Abundit Edge. 6/13: 0.75 oz/ac Steadfast + 1 qt/ac Atrazine4L + 6 oz/ac BanvelHQ

Soil Type	Sherm clay loam
Tillage	Strip-till
Previous Crop	Corn

Trial Notes

7/17: applied 14 oz/ac Prevathon + 4.6 oz/ac Zolera
8/5: applied 20 oz/ac Prevathon

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

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:
Dr. Ronnie Schnell / Katrina Horn
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979-845-2935 / 979-845-8505

Fertilizer Applied

N (lb/ac)	240
P2O5 (lb/ac)	
K2O (lb/ac)	
S (lb/ac)	
Zn (lb/ac)	

Soil Analysis Report**

NO3-N (ppm)	43	pH	7.8
P (ppm)*	66	Conductivity (umho/cm)	412
K (ppm)*	684	Ca (ppm)*	4,544
S (ppm)*	10	Mg (ppm)*	1,072
		Na (ppm)*	53

*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
LG Seeds	LG Seeds	66C32	265	274
Progeny Ag Products	Progeny	PGY9117	263	276
Wilbur-Ellis Company	Integra	6410	263	276
LG Seeds	LG Seeds	68C59	260	
LG Seeds	LG Seeds	66C44	260	
Nutrien Ag	Dyna-Gro	D58VC65	259	277
Nutrien Ag	Dyna-Gro	D55VC80	258	272
Wilbur-Ellis Company	Integra	6720	253	274
Wilbur-Ellis Company	Integra	6621	253	274
Progeny Ag Products	Progeny	PGY8116SSX	250	278
LG Seeds	LG Seeds	5643	246	263
LG Seeds	LG Seeds	64C30	239	254
Wilbur-Ellis Company	Integra	6695	236	261
Progeny Ag Products	Progeny	PGY2015	224	

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

Sunray
2021 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	D55VC80	Genuity VT Double PRO	76	120	54	32,234	16.2	56.6	327
DEKALB	DKC 69-99	Genuity Trecepta	76	120	55	31,799	18.6	58.4	325
Integra	CX001117	Genuity Trecepta	75	121	51	33,106	19.4	56.1	325
Progeny	PGY8116VT2P	Genuity VT Double PRO	76	119	53	33,106	19.3	58.5	313
Dyna-Gro	D57TC29	Genuity Trecepta	75	120	49	32,670	19.2	56.3	311
Progeny	PGY9117	Genuity VT Double PRO	75	118	50	30,928	17.8	58.1	310
LG Seeds	68C59	N/A	78	123	48	33,759	18.7	54.9	309
Progeny	EXP116	N/A	77	113	49	30,928	20.6	58.2	307
Integra	6641	SmartStax	76	114	52	31,581	18.7	56.7	303
Integra	6811	Genuity VT Double PRO	77	119	53	32,888	19.1	58.7	303
LG Seeds	66C32	Genuity VT Double PRO	78	120	52	30,928	18.9	58.4	302
LG Seeds	5643	Genuity VT Double PRO RIB	74	117	51	33,541	16.3	57.5	301
Dyna-Gro	D58VC65	Genuity VT Double PRO	75	114	49	31,799	16.9	58.9	301
Progeny	PGY2118	Genuity VT Double PRO	76	122	54	32,234	19.9	58.6	301
Integra	6555	Genuity VT Double PRO	74	115	51	32,888	15.6	55.7	296
Integra	6695	Genuity Trecepta	74	118	52	30,274	17.6	58.7	295
LG Seeds	66C44	Genuity VT Double PRO	77	121	56	32,234	15.8	58.0	295
Progeny	PGY8116SSX	SmartStax	78	119	54	31,145	18.1	59.1	292
Dyna-Gro	D54SS34	Genuity SmartStax	77	119	51	29,621	17.7	59.2	291
Integra	6410	SmartStax	75	111	45	32,888	16.9	59.3	289
Integra	6720	Genuity SmartStax	78	119	53	31,654	18.5	58.5	288

*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

Sunray
2021 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	64C30	Genuity Trecepta	74	120	49	30,056	16.6	58.6	287
Integra	6621	Genuity SmartStax	75	119	51	32,452	17.7	57.6	284
LG Seeds	62C52	Genuity Trecepta	74	114	48	32,888	15.9	58.1	284
Progeny	PGY2015	Genuity VT Double PRO	75	113	50	26,789	15.7	59.6	247

*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

Sunray
2021 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		76	118	51	31,776	17.8	57.9	299
	C.V. %		0.9	2.1	4.2	4.0	3.8	1.1	4.3
	P>f (hybrid)		0.000	0.000	0.000	0.000	0.000	0.000	0.000
	L.S.D.		1.0	3.4	3.0	1,797.4	1.0	0.9	18.3

Agronomic information

Plant Date	4/27/2021
Harvest Date	9/28/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	32,000
Precipitation (in)	15.5
Irrigation (in)	
Herbicide	
Soil Type	Sherm clay loam
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

Cooperator: Tommy Cartrite

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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* 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)	73	pH	7.5
P (ppm)*	136	Conductivity (umho/cm)	478
K (ppm)*	804	Ca (ppm)*	3,430
S (ppm)*	20	Mg (ppm)*	1,039
		Na (ppm)*	72

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

Corn
Sunray
Multi-Year Summary

Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Nutrien Ag	Dyna-Gro	D55VC80	314	300
LG Seeds	LG Seeds	68C59	304	
Nutrien Ag	Dyna-Gro	D58VC65	293	285
LG Seeds	LG Seeds	66C44	293	
Progeny Ag Products	Progeny	PGY9117	290	283
Wilbur-Ellis Company	Integra	6720	288	282
LG Seeds	LG Seeds	5643	286	277
LG Seeds	LG Seeds	66C32	286	275
Wilbur-Ellis Company	Integra	6410	286	283
Wilbur-Ellis Company	Integra	6695	285	281
Progeny Ag Products	Progeny	PGY8116SSX	283	278
Wilbur-Ellis Company	Integra	6621	276	271
LG Seeds	LG Seeds	64C30	274	264
Progeny Ag Products	Progeny	PGY2015	239	

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

Spearman
2021 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	CX001117	Genuity Trecepta	74	114	44	32,452	15.4	58.9	309
Dyna-Gro	D57TC29	Genuity Trecepta	72	119	44	30,492	15.4	58.9	308
LG Seeds	68C59	N/A	74	114	40	31,363	15.7	57.6	308
LG Seeds	66C32	Genuity VT Double PRO	74	111	48	31,581	15.7	60.3	303
DEKALB	DKC 69-99	Genuity Trecepta	74	113	50	31,073	15.1	60.6	303
Integra	6720	Genuity SmartStax	74	115	49	32,017	15.3	60.4	302
Progeny	PGY2118	Genuity VT Double PRO	74	114	46	33,106	17.2	60.6	301
Progeny	PGY8116SSX	SmartStax	74	115	49	31,654	14.7	60.5	300
Integra	6641	SmartStax	72	112	47	31,944	17.1	59.4	300
LG Seeds	62C52	Genuity Trecepta	73	107	43	32,815	13.2	59.3	298
LG Seeds	66C44	Genuity VT Double PRO	74	115	49	32,525	13.4	60.0	294
Dyna-Gro	D55VC80	Genuity VT Double PRO	74	114	48	32,234	13.9	58.8	294
Progeny	PGY8116VT2P	Genuity VT Double PRO	74	112	48	31,363	15.6	60.5	293
LG Seeds	64C30	Genuity Trecepta	72	113	46	30,056	13.7	60.5	290
LG Seeds	5643	Genuity VT Double PRO RIB	72	115	45	33,541	13.0	58.8	289
Progeny	PGY9117	Genuity VT Double PRO	73	112	46	31,581	15.5	60.2	286
Integra	6695	Genuity Trecepta	72	109	46	31,799	14.8	61.0	284
Progeny	EXP116	N/A	73	108	44	30,202	16.9	60.2	284
Dyna-Gro	D54SS34	Genuity SmartStax	74	111	48	32,815	14.7	60.6	283
Dyna-Gro	D58VC65	Genuity VT Double PRO	71	109	43	30,928	15.3	61.0	283
Integra	6621	Genuity SmartStax	72	109	46	31,073	14.5	59.7	280

*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
2021 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	6410	SmartStax	72	105	41	32,525	14.4	60.2	276
Integra	6811	Genuity VT Double PRO	73	112	46	29,185	17.4	61.1	268
Integra	6555	Genuity VT Double PRO	72	110	47	32,017	11.7	57.8	264
Progeny	PGY2015	Genuity VT Double PRO	73	106	45	28,314	13.5	61.3	250

*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
2021 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		73	112	46	31,546	14.9	59.9	290
	C.V. %		1.1	2.4	3.3	5.1	3.2	0.7	3.9
	P>f (hybrid)		0.000	0.000	0.000	0.274	0.000	0.000	0.000
	L.S.D.		1.2	3.7	2.2		0.8	0.7	18.1

Agronomic information

Plant Date	4/27/2021
Harvest Date	9/27/2021
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	32,000
Precipitation (in)	20.8
Irrigation (in)	21

Herbicide

Pre-plant: 3 oz/ac Panther + 16 oz/ac 2-4,D + 32 oz/ac Roundup.
Pre-emerge: 3 oz/ac Balance Flexx + 32 oz/ac Atrazine + 8 oz/ac Banvel

Soil Type	Perryton silty clay loam
Tillage	Strip-till
Previous Crop	Cotton, oats as cover crop

Trial Notes

*54 oz/ac Comite miticide + 5 oz/ac Zolera fungicide applied 7/17

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

Fertilizer Applied

N (lb/ac)	300
P2O5 (lb/ac)	50
K2O (lb/ac)	0
S (lb/ac)	0
Zn (lb/ac)	1

Soil Analysis Report**

NO3-N (ppm)	16	pH	7.6
P (ppm)*	62	Conductivity (umho/cm)	227
K (ppm)*	606	Ca (ppm)*	3,135
S (ppm)*	13	Mg (ppm)*	772
		Na (ppm)*	36

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

ACKNOWLEDGMENTS

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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
Tommy Cartrite	Sunray	Moore	High Plains
Travis Patterson	Spearman	Hansford	High Plains

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