

2020 Texas Corn Performance Variety Trials



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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 2020 test sites are shown in Figure 1. A total of 326 entries were evaluated across 11 locations representing 47 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/>.

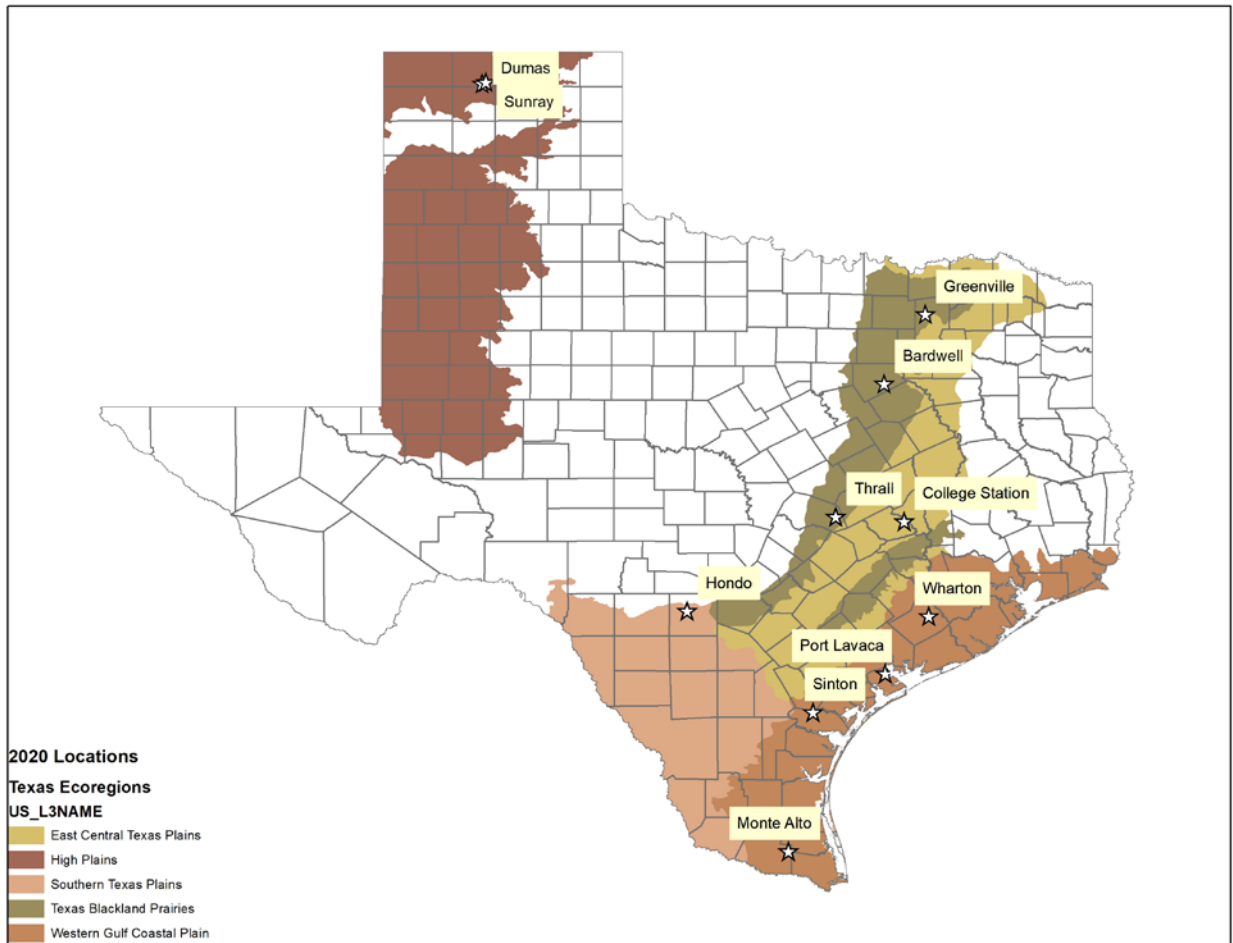
Suggestions for Selecting Hybrids and Varieties

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. 2020 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 2020 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
Credenz	Balance GT Soybeans	GT27
Credenz	LibertyLink GT27 Soybeans	LL GT27
Credenz	Liberty Link with STS	LL STS
Credenz	LibertyLink Soybeans	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	Roundup Ready 2 Xtend Soybeans with STS	Xtend STS
Genuity	Genuity SmartStax RIB Complete	GEN SSXRIB
Genuity	Genuity VT Triple PRO RIB Complete (GENVT3P)	GEN VT3PRIB
Genuity	Roundup Ready 2 Yield Soybeans with STS	RR2Y STS
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	XtendFlex Soybeans	XtendFlex
Genuity	Genuity Trecepta	Trecepta
Genuity	Roundup Ready 2 Xtend Soybeans	Xtend
Genuity	Roundup Ready 2 Yield Soybeans	RR2Y
Genuity	Roundup Ready Soybeans	RR
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	Enlist	Enlist
Mycogen	SmartStax	SSX
Mycogen	Enlist E3 Soybeans	Enlist E3
Mycogen	Enlist Soybeans	Enlist Duo
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 $(((100 - \text{moisture} (\%)) / 84.5) * \text{yield} (\text{lb/acre}) / 56]$.

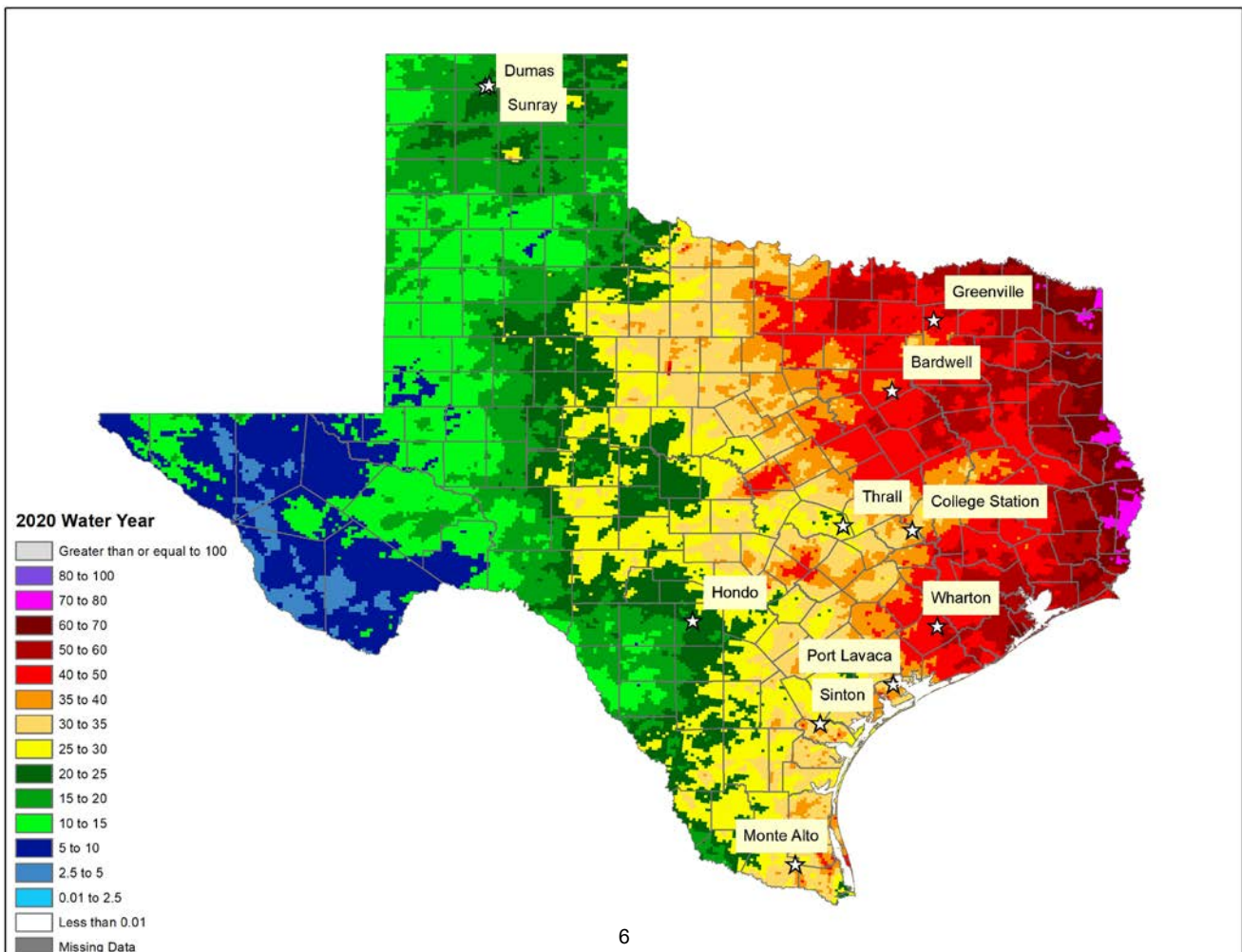
In addition to individual site performance, information on multi-year performance for each site and regional performance is provided. Multi-year tables are presented as 2 and 3-year summaries

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. 2020 water year (October 1, 2019 – September 30, 2020) precipitation in inches



2020 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Agri-Technology Solutions	AgraTech	AT-1640C	Conventional	Yellow	Red	2750	116
Agri-Technology Solutions	AgraTech	AT-1720C	Conventional	Yellow	Red	2790	117
Agventure Pinnacle	Agventure	AV8216	N/A	Yellow	Red	2668	116
Agventure Pinnacle	Agventure	AV7516	N/A	Yellow	Red	2670	116
Corteva	Pioneer	P1464	Leptra	Yellow		2630	114
Corteva	Pioneer	P1847	Leptra	Yellow		2780	118
Corteva	Pioneer	P1213	N/A	Yellow	White	2670	112
Corteva	Pioneer	P2042	N/A	Yellow	Red	2780	120
Corteva	Pioneer	P1903	N/A				
LG Seeds	LG Seeds	5701	Genuity VT Double PRO	Yellow	Pink	2902	116
LG Seeds	LG Seeds	66C44	Genuity VT Double PRO	Yellow	Red	2876	116
LG Seeds	LG Seeds	68C59	N/A	Yellow	Pink	2950	118
LG Seeds	LG Seeds	67C45	SmartStax	Yellow	Red	2941	117
LG Seeds	LG Seeds	66C32	Genuity VT Double PRO	Yellow	Red	2904	116
LG Seeds	LG Seeds	5643	Genuity VT Double PRO RI	Yellow	Red	2842	114
LG Seeds	LG Seeds	64C30	Genuity Trecepta	Yellow	Red	2828	114
Mission Seed Solutions	Mission	A1657	Genuity DG VT Double PRO	Yellow	Red	2860	116
Mission Seed Solutions	Mission	A1477	Genuity DG VT Double PRO	Yellow	Red	2622	114
Mission Seed Solutions	Mission	A1798	Genuity VT Double PRO	Yellow	Red	2800	117
Mission Seed Solutions	Mission	A1257	Genuity VT Double PRO	Yellow	Red	2685	112
Nutrien Ag	Dyna-Gro	D57VC17	Genuity VT Double PRO	Yellow		2830	117

2020 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Nutrien Ag	Dyna-Gro	D58QC72	Agrisure Viptera 3110			2870	118
Nutrien Ag	Dyna-Gro	D58VC65	Genuity VT Double PRO	Yellow	Pink	2820	115
Nutrien Ag	Dyna-Gro	D58SS65	Genuity SmartStax	Yellow	Red	2830	118
Nutrien Ag	Dyna-Gro	D53TC19	Genuity Trecepta	Yellow	Pink	2710	113
Nutrien Ag	Dyna-Gro	D54SS74	SmartStax	Yellow	Pink	2720	114
Nutrien Ag	Dyna-Gro	D55VC80	Genuity VT Double PRO	Yellow		2790	115
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
Progeny Ag Products	Progeny	PGY2012	Genuity VT Double PRO	Yellow	Pink		112
Progeny Ag Products	Progeny	EXP1917	Genuity Trecepta	Yellow	Red		117
Progeny Ag Products	Progeny	EXP2015	SmartStax	Yellow	Red		115
Progeny Ag Products	Progeny	PGY2025	Genuity DG VT Double PRO	Yellow	Red		115
Progeny Ag Products	Progeny	PGY2015	Genuity VT Double PRO	Yellow	Red		114
Progeny Ag Products	Progeny	EXP1912	Genuity VT Double PRO	Yellow	Red		112
Progeny Ag Products	Progeny	EXP2018	SmartStax	Yellow	Red		117
Progeny Ag Products	Progeny	EXP1915	SmartStax	Yellow	Pink		115
Progeny Ag Products	Progeny	EXP1913	Genuity VT Double PRO	Yellow	Red		113
Progeny Ag Products	Progeny	PGY9117	Genuity VT Double PRO	Yellow	Red		117
Progeny Ag Products	Progeny	PGY9114	Genuity VT Double PRO	Yellow	Pink		114
Progeny Ag Products	Progeny	PGY8116	SmartStax	Yellow	Red	2772	116
Progeny Ag Products	Progeny	EXP2013	Genuity VT Double PRO	Yellow	Red		113

2020 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Wilbur-Ellis Company	Integra	6540	Genuity Trecepta	Yellow	Red	2875	115
Wilbur-Ellis Company	Integra	6533	Genuity VT Double PRO	Yellow	Red	2775	115
Wilbur-Ellis Company	Integra	6588	Genuity VT Double PRO	Yellow	Red	2870	115
Wilbur-Ellis Company	Integra	6410	SmartStax	Yellow	Red	2750	114
Wilbur-Ellis Company	Integra	6695	Genuity Trecepta	Yellow	Red	2900	116
Wilbur-Ellis Company	Integra	6621	Genuity DG VT Double PRO	Yellow	Red	2765	116
Wilbur-Ellis Company	Integra	6720	Genuity DG VT Double PRO	Yellow	Red	2970	117

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

Corn

Company Contacts



Company	Brand	Contact Information	Phone	Email
Agri-Technology Solutions	AgraTech	Ricky Davis 778 Southern Pride Drive Collierville, TN 38017	901-355-2463	rdavis@atsseed.com
Corteva	Pioneer	Amber Buzzard 5777 McCoy Road Victoria, TX 77905	361-484-2679	amber.buzzard@pioneer.com
Corteva	Pioneer	Slade Price	361-815-8570	slade.price@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	Jack Hartrim 11958 Stone Road Dumas, TX 79029	806-268-3588	jack.hartrim@nutrien.com
Nutrien Ag	Dyna-Gro	Shawn Carter 3492 Long Prairie Rd. Flower Mound, TX 75022	318-282-9804	shawn.carter@nutrien.com
Progeny Ag Products	Progeny	John Rocconi 1529 Hwy 193 Wynne, AR 72396	979-587-9968	johnr@progenyag.com
Wilbur-Ellis Company	Integra	Aaron Peterson 2219 229th Pl Ames, IA 50014	402-290-0373	apetersen@wilburellis.com

Monte Alto 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
LG Seeds	5701	Genuity VT Double PRO	61	85	31	N/A	13.6	60.2	194
Dyna-Gro	D57VC51	Genuity VT Double PRO	63	85	34	N/A	13.6	60.0	189
AgraTech	AT-1720C	Conventional	61	85	34	N/A	13.4	60.4	186
Pioneer	P1903	N/A	61	90	36	N/A	13.3	59.7	184
Integra	6533	Genuity VT Double PRO	60	84	33	N/A	13.6	60.5	182
Integra	6540	Genuity Trecepta	60	84	34	N/A	12.1	57.8	181
LG Seeds	68C59	N/A	62	92	35	N/A	13.4	59.4	179
Dyna-Gro	D53TC19	Genuity Trecepta	60	84	34	N/A	12.6	58.8	178
LG Seeds	64C30	Genuity Trecepta	60	85	33	N/A	13.4	59.8	177
Integra	6621	Genuity DG VT Double PRO	60	86	31	N/A	12.7	58.8	175
Dyna-Gro	D54VC14	Genuity VT Double PRO	61	86	31	N/A	12.7	58.5	174
Integra	6695	Genuity Trecepta	60	84	33	N/A	13.1	60.4	172
Integra	6588	Genuity VT Double PRO	61	89	35	N/A	13.9	61.0	171
Integra	6720	Genuity DG VT Double PRO	64	84	34	N/A	13.7	61.7	170
Integra	6410	SmartStax	60	85	30	N/A	12.5	58.2	170
Dyna-Gro	D58SS65	Genuity SmartStax	60	83	33	N/A	13.5	60.6	169
LG Seeds	66C32	Genuity VT Double PRO	62	83	31	N/A	13.2	59.6	167
LG Seeds	67C45	SmartStax	61	86	35	N/A	13.3	60.6	166
Dyna-Gro	D55VC80	Genuity VT Double PRO	62	84	32	N/A	12.6	58.9	165
AgraTech	AT-1640C	Conventional	62	86	35	N/A	13.0	59.9	162

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

Monte Alto 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	61	85	33	13.2	59.7	176
Plant Date	2/18/2020		C.V. %	1.3	2.6	7.0	3.0	1.1	3.2
Harvest Date	7/2/2020		P>f (hybrid)	0.000	0.000	0.018	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.1	3.1	3.3	0.6	1.0	8.1
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		<p>*Pre-watered early February *Irrigated 4/1/20 *Irrigated 5/1/20</p>			<p>Cooperator Texas AgriScience</p> <p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>			
Seeds per Acre	30,000		<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>						
Precipitation (in)	8.41		Fertilizer Applied			Soil Analysis Report**			
Irrigation (in)			N (lb/ac)	228	NO3-N (ppm)	25	pH	8.0	
Herbicide			P2O5 (lb/ac)	56	P (ppm)*	33	Conductivity (umho/cm)	530	
1.66 pt/ac Dual + 1.5 lb/ac Atrazine at planting			K2O (lb/ac)	0	K (ppm)*	539	Ca (ppm)*	5,794	
Soil Type	Clay loam		S (lb/ac)		S (ppm)*	79	Mg (ppm)*	394	
Tillage	Conventional		Zn (lb/ac)				Na (ppm)*	138	
Previous Crop	Cotton								

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



Sinton 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agventure	AV7516	N/A	N/A	79	30	25,860	17.7	60.2	173
Dyna-Gro	D57VC51	Genuity VT Double PRO	N/A	80	32	26,005	17.1	58.5	173
Pioneer	P1903	N/A	N/A	82	29	25,925	17.5	57.6	172
Dyna-Gro	D53TC19	Genuity Trecepta	N/A	74	30	25,007	14.8	57.7	171
Integra	6540	Genuity Trecepta	N/A	74	31	25,724	14.3	57.3	168
Mission	A1798	Genuity VT Double PRO	N/A	80	33	25,509	16.6	57.2	167
Integra	6533	Genuity VT Double PRO	N/A	78	31	25,659	15.3	56.9	167
Integra	6410	SmartStax	N/A	73	27	26,136	15.1	58.3	166
Progeny	PGY2025	Genuity DG VT Double PRO	N/A	76	30	25,790	15.2	57.0	166
Integra	6621	Genuity DG VT Double PRO	N/A	78	29	25,644	15.3	57.4	165
Integra	6588	Genuity VT Double PRO	N/A	78	32	26,235	16.7	59.5	164
Progeny	PGY8116	SmartStax	N/A	77	31	26,446	16.6	59.9	164
Dyna-Gro	D54VC14	Genuity VT Double PRO	N/A	75	30	25,387	14.4	57.5	164
LG Seeds	67C45	SmartStax	N/A	78	31	24,661	16.9	58.9	163
LG Seeds	64C30	Genuity Trecepta	N/A	77	31	25,433	15.5	58.8	162
LG Seeds	68C59	N/A	N/A	85	32	25,734	16.7	56.6	161
Progeny	PGY9114	Genuity VT Double PRO	N/A	78	27	25,579	14.9	58.9	159
Integra	6720	Genuity DG VT Double PRO	N/A	76	31	26,320	16.4	59.5	159
Dyna-Gro	D55VC80	Genuity VT Double PRO	N/A	78	30	24,234	15.5	58.0	158
Mission	A1657	Genuity DG VT Double PRO	N/A	73	28	25,293	16.2	57.8	157
Integra	6695	Genuity Trecepta	N/A	73	29	25,644	15.7	59.1	157

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



Sinton 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mission	A1257	Genuity VT Double PRO	N/A	75	28	26,587	14.3	57.4	156
Dyna-Gro	D58SS65	Genuity SmartStax	N/A	72	28	25,504	16.2	59.6	155
LG Seeds	66C32	Genuity VT Double PRO	N/A	74	29	25,574	15.4	58.3	154
Progeny	PGY9117	Genuity VT Double PRO	N/A	77	29	25,574	17.1	59.0	154

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

Sinton

2020 Corn

Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information									
Plant Date	2/24/2020	Mean		77	30	25,659	15.9	58.3	163
Harvest Date	7/14/2020	C.V. %		3.3	6.2	3.2	3.2	0.9	5.1
Irrigated	Yes	P>f (hybrid)		0.000	0.000	0.072	0.000	0.000	0.017
Row Spacing (in)	30	L.S.D.		3.6	2.6		0.7	0.7	11.8
Number of Rows	2	Trial Notes							
Seeds per Acre	26,000	Cooperator Ring Brothers Farm							
Precipitation (in)	14.56	<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>							
Irrigation (in)									
Herbicide									
Soil Type	Clay								
Tillage	Conventional	Fertilizer Applied		Soil Analysis Report**					
Previous Crop	Cotton	N (lb/ac)		NO3-N (ppm)	53	pH	7.8		
		P2O5 (lb/ac)		P (ppm)*	17	Conductivity (umho/cm)	385		
		K2O (lb/ac)		K (ppm)*	320	Ca (ppm)*	5,223		
		S (lb/ac)		S (ppm)*	14	Mg (ppm)*	590		
		Zn (lb/ac)				Na (ppm)*	188		

*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	166	126
Wilbur-Ellis Company	Integra	6621	164	
LG Seeds	LG Seeds	64C30	162	
Wilbur-Ellis Company	Integra	6410	161	
Nutrien Ag	Dyna-Gro	D54VC14	160	119
LG Seeds	LG Seeds	67C45	159	
Wilbur-Ellis Company	Integra	6533	158	125
Wilbur-Ellis Company	Integra	6720	157	
Wilbur-Ellis Company	Integra	6588	156	120
Progeny Ag Products	Progeny	PGY9114	156	
Nutrien Ag	Dyna-Gro	D58SS65	155	118
Wilbur-Ellis Company	Integra	6695	155	
Progeny Ag Products	Progeny	PGY8116	154	
Progeny Ag Products	Progeny	PGY9117	153	

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.

Port Lavaca 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6621	Genuity DG VT Double PRO	68	75	25	23,296	13.7	58.6	168
LG Seeds	64C30	Genuity Trecepta	67	70	23	22,520	13.7	59.5	161
Dyna-Gro	D57VC51	Genuity VT Double PRO	68	73	23	22,630	14.1	59.5	160
Integra	6540	Genuity Trecepta	68	70	24	21,854	12.6	58.2	159
Integra	6695	Genuity Trecepta	67	72	24	23,185	14.2	60.8	158
Dyna-Gro	D53TC19	Genuity Trecepta	67	70	22	23,185	12.7	58.5	158
LG Seeds	67C45	SmartStax	69	75	25	23,019	14.1	59.7	157
Dyna-Gro	D55VC80	Genuity VT Double PRO	69	74	26	22,741	13.4	58.8	156
Progeny	PGY8116	SmartStax	69	72	26	23,518	14.7	61.1	156
LG Seeds	68C59	N/A	69	78	23	24,627	12.9	57.4	156
Integra	6588	Genuity VT Double PRO	69	74	23	22,575	15.4	60.8	155
Dyna-Gro	D58SS65	Genuity SmartStax	69	70	22	22,464	14.1	60.1	155
Progeny	PGY2025	Genuity DG VT Double PRO	68	71	23	22,409	13.4	58.4	155
Agventure	AV8216	N/A	69	80	24	24,849	13.4	59.4	155
Integra	6720	Genuity DG VT Double PRO	70	70	24	24,683	14.2	60.9	153
Pioneer	P1847	Leptra	69	74	26	23,684	14.6	60.4	153
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	71	21	21,909	12.9	59.3	152
Integra	6410	SmartStax	68	72	23	23,407	13.5	59.3	151
Pioneer	P1903	N/A	69	78	22	24,073	13.6	58.0	150
Progeny	PGY9117	Genuity VT Double PRO	69	73	20	22,686	14.0	60.2	150
Pioneer	P1213	N/A	69	74	19	24,239	12.9	58.9	147

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



Port Lavaca 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6533	Genuity VT Double PRO	68	71	23	22,131	13.6	59.0	144
Pioneer	P2042	N/A	69	76	22	24,128	14.1	60.0	144
Progeny	PGY9114	Genuity VT Double PRO	68	72	21	21,798	13.1	59.5	144
Pioneer	P1464	Leptra	69	77	23	24,017	12.6	58.1	135

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

Port Lavaca 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)	
Agronomic information			Mean	68	73	23	13.6	59.4	153	
Plant Date	2/28/2020		C.V. %	0.7	3.5	4.7	2.1	0.7	5.3	
Harvest Date	7/20/2020		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	
Irrigated	No		L.S.D.	0.7	3.6	2.5	0.4	0.6	11.4	
Row Spacing (in)	38		Trial Notes							
Number of Rows	2		<div style="border: 1px solid gray; height: 100px; width: 100%;"></div> <div style="border: 1px solid gray; height: 60px; width: 100%;"></div> <p style="font-size: small; margin-top: 5px;">* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>							
Seeds per Acre	24,000									
Precipitation (in)	19.96									
Irrigation (in)										
Herbicide										
			Fertilizer Applied				Soil Analysis Report**			
Soil Type	Clay		N (lb/ac)		NO3-N (ppm)	20	pH		5.2	
Tillage	Conventional		P2O5 (lb/ac)		P (ppm)*	49	Conductivity (umho/cm)		120	
Previous Crop	Corn		K2O (lb/ac)		K (ppm)*	187	Ca (ppm)*		3,774	
			S (lb/ac)		S (ppm)*	8	Mg (ppm)*		777	
			Zn (lb/ac)				Na (ppm)*		118	

Cooperator

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
ronschnell@tamu.edu / khorn@tamu.edu
979-845-2935 / 979-845-8505

*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	6621	138	
Nutrien Ag	Dyna-Gro	D58SS65	136	124
Wilbur-Ellis Company	Integra	6695	136	
Nutrien Ag	Dyna-Gro	D54VC14	135	127
Wilbur-Ellis Company	Integra	6410	135	
Nutrien Ag	Dyna-Gro	D57VC51	135	124
LG Seeds	LG Seeds	64C30	134	
Progeny Ag Products	Progeny	PGY8116	133	124
LG Seeds	LG Seeds	67C45	133	
Wilbur-Ellis Company	Integra	6720	132	
Progeny Ag Products	Progeny	PGY9117	130	
Wilbur-Ellis Company	Integra	6588	126	120
Wilbur-Ellis Company	Integra	6533	121	119

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.

Wharton 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6621	Genuity DG VT Double PRO	67	78	30	23,607	15.5	57.9	180
Dyna-Gro	D55VC80	Genuity VT Double PRO	68	80	30	23,870	16.1	58.5	179
Pioneer	P1464	Leptra	70	83	30	23,659	14.8	57.9	178
LG Seeds	64C30	Genuity Trecepta	67	82	31	22,974	14.6	58.6	176
LG Seeds	68C59	N/A	72	88	29	23,923	14.8	55.1	175
Progeny	PGY9117	Genuity VT Double PRO	68	81	30	23,396	16.9	59.0	174
Dyna-Gro	D57VC51	Genuity VT Double PRO	68	82	30	23,343	16.2	58.2	173
Dyna-Gro	D53TC19	Genuity Trecepta	66	77	29	22,974	13.6	57.1	173
Progeny	PGY2025	Genuity DG VT Double PRO	67	80	30	23,659	16.1	57.5	172
Pioneer	P1903	N/A	70	83	30	23,343	15.4	56.7	171
Dyna-Gro	D58SS65	Genuity SmartStax	69	76	29	23,343	15.8	58.9	169
Dyna-Gro	D54VC14	Genuity VT Double PRO	68	77	27	23,396	15.4	59.2	169
Integra	6588	Genuity VT Double PRO	69	81	28	24,028	18.8	58.8	169
Integra	6410	SmartStax	68	79	26	23,449	15.4	58.8	169
Integra	6533	Genuity VT Double PRO	67	77	29	23,817	16.1	58.7	169
LG Seeds	5701	Genuity VT Double PRO	68	81	29	23,923	15.9	58.4	168
Integra	6695	Genuity Trecepta	67	80	28	22,816	14.9	59.6	167
Pioneer	P1213	N/A	69	80	27	22,869	14.4	58.3	167
Progeny	PGY8116	SmartStax	69	77	31	23,976	17.2	59.0	167
Pioneer	P1847	Leptra	70	83	28	24,028	15.7	59.1	167
LG Seeds	67C45	SmartStax	69	82	32	23,501	17.3	58.6	165

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



Wharton 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6540	Genuity Trecepta	67	75	29	22,447	13.7	57.7	165
Progeny	PGY2012	Genuity VT Double PRO	68	78	28	24,239	13.9	56.8	163
Progeny	EXP1913	Genuity VT Double PRO	68	78	29	23,027	14.1	57.8	163
Progeny	EXP1915	SmartStax	68	82	30	23,449	15.8	59.4	162
Progeny	EXP2018	SmartStax	70	78	30	23,923	17.8	59.7	160
Progeny	EXP1912	Genuity VT Double PRO	67	82	30	23,185	13.4	57.6	159
Progeny	PGY9114	Genuity VT Double PRO	68	78	27	22,711	14.8	59.0	159
Pioneer	P2042	N/A	71	82	27	24,028	15.9	58.7	156
Agventure	AV8216	N/A	70	86	30	23,659	14.5	58.1	156
Integra	6720	Genuity DG VT Double PRO	71	79	30	24,134	15.7	58.9	154
Progeny	PGY2015	Genuity VT Double PRO	68	78	30	23,396	15.0	59.0	153
Progeny	EXP1917	Genuity Trecepta	67	81	28	14,385	16.9	58.7	115

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

Wharton 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)	
Agronomic information			Mean	68	80	29	23,227	15.5	58.3	166
Plant Date	2/28/2020		C.V. %	1.2	3.9	8.8	3.4	5.6	0.9	7.0
Harvest Date	7/16/2020		P>f (hybrid)	0.000	0.000	0.384	0.000	0.000	0.000	0.000
Irrigated	No		L.S.D.	1.2	4.4		1,096.0	1.2	0.7	16.2
Row Spacing (in)	40		Trial Notes			Cooperator Larry & Clint Kalina				
Number of Rows	2					<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>				
Seeds per Acre	24,000									
Precipitation (in)	21.3									
Irrigation (in)										
Herbicide										
Soil Type	Clemville-Norwood		Fertilizer Applied		Soil Analysis Report**					
Tillage	Conventional		N (lb/ac)	<input type="text"/>	NO3-N (ppm)	147	pH	7.8		
Previous Crop	Corn		P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	13	Conductivity (umho/cm)	613		
			K2O (lb/ac)	<input type="text"/>	K (ppm)*	145	Ca (ppm)*	18,621		
			S (lb/ac)	<input type="text"/>	S (ppm)*	22	Mg (ppm)*	252		
			Zn (lb/ac)	<input type="text"/>			Na (ppm)*	22		

*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
Nutrien Ag	Dyna-Gro	D57VC51	178	169
LG Seeds	LG Seeds	5701	177	167
Progeny Ag Products	Progeny	PGY9117	175	
LG Seeds	LG Seeds	64C30	174	
Nutrien Ag	Dyna-Gro	D58SS65	172	163
Wilbur-Ellis Company	Integra	6621	171	
Nutrien Ag	Dyna-Gro	D54VC14	170	166
Wilbur-Ellis Company	Integra	6695	170	
Wilbur-Ellis Company	Integra	6533	168	160
Progeny Ag Products	Progeny	PGY8116	167	161
Progeny Ag Products	Progeny	EXP1915	167	
Wilbur-Ellis Company	Integra	6588	165	152
Wilbur-Ellis Company	Integra	6410	165	
LG Seeds	LG Seeds	67C45	164	
Wilbur-Ellis Company	Integra	6720	162	

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.

Hondo 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D57VC51	Genuity VT Double PRO	69	98	40	30,328	15.1	59.6	236
LG Seeds	64C30	Genuity Trecepta	65	96	40	30,094	13.8	60.1	234
LG Seeds	5701	Genuity VT Double PRO	69	97	38	29,508	14.4	60.1	233
Integra	6540	Genuity Trecepta	64	93	39	29,567	12.2	58.5	232
Pioneer	P1847	Leptra	70	99	40	30,294	14.0	60.4	232
Dyna-Gro	D53TC19	Genuity Trecepta	64	93	40	29,516	12.6	58.8	232
Integra	6695	Genuity Trecepta	65	92	38	30,782	13.9	61.0	232
Dyna-Gro	D54VC14	Genuity VT Double PRO	66	91	37	29,731	13.4	59.3	232
Progeny	PGY9117	Genuity VT Double PRO	68	96	40	29,567	14.3	60.0	230
Integra	6621	Genuity DG VT Double PRO	67	95	39	29,801	13.8	58.9	230
Pioneer	P1903	N/A	69	98	40	30,130	13.7	58.8	229
Integra	6720	Genuity DG VT Double PRO	70	94	42	30,364	14.7	59.6	229
LG Seeds	66C32	Genuity VT Double PRO	67	89	37	29,438	13.5	59.8	228
Progeny	PGY2025	Genuity DG VT Double PRO	66	95	39	30,423	13.5	58.8	228
Integra	6410	SmartStax	66	93	39	29,888	13.1	59.7	225
Pioneer	P1464	Leptra	71	95	38	30,916	13.4	60.3	225
Pioneer	P2042	N/A	70	97	39	30,445	14.7	60.7	224
Progeny	EXP1915	SmartStax	67	94	40	30,504	15.1	59.4	223
Mission	A1798	Genuity VT Double PRO	67	95	40	29,420	14.6	58.7	223
Agventure	AV7516	N/A	69	98	40	29,759	15.2	61.1	223
Dyna-Gro	D55VC80	Genuity VT Double PRO	69	95	41	29,638	13.8	57.9	221

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



Hondo

2020 Corn

Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mission	A1477	Genuity DG VT Double PRO	67	96	42	29,801	13.3	57.5	221
LG Seeds	67C45	SmartStax	69	95	42	29,759	15.8	59.5	219
Integra	6533	Genuity VT Double PRO	67	95	41	29,567	15.4	59.0	218
Mission	A1657	Genuity DG VT Double PRO	67	96	41	29,625	14.8	59.3	217
Pioneer	P1213	N/A	66	94	37	29,829	12.4	59.8	217
Progeny	PGY8116	SmartStax	70	94	41	30,433	15.7	59.9	217
Dyna-Gro	D58SS65	Genuity SmartStax	69	91	36	29,821	14.7	60.5	216
LG Seeds	68C59	N/A	71	99	40	29,349	13.2	58.4	215
Progeny	PGY2015	Genuity VT Double PRO	68	94	39	28,271	13.0	59.5	215
Progeny	EXP1913	Genuity VT Double PRO	67	89	38	27,889	13.9	58.6	215
Mission	A1257	Genuity VT Double PRO	67	93	40	29,566	13.0	57.3	212
Integra	6588	Genuity VT Double PRO	69	96	38	29,391	17.1	58.8	210
Progeny	PGY9114	Genuity VT Double PRO	65	93	36	29,665	12.9	59.5	210
Progeny	PGY2012	Genuity VT Double PRO	67	90	38	29,391	13.4	57.7	210
Progeny	EXP2015	SmartStax	68	95	39	28,513	11.8	58.1	206
Progeny	EXP1912	Genuity VT Double PRO	67	95	39	30,358	12.5	59.4	199
Progeny	EXP2018	SmartStax	71	95	42	30,035	17.3	59.8	199
Progeny	EXP1917	Genuity Trecepta	68	92	39	28,162	13.4	59.3	174

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

Hondo

2020 Corn

Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)		
Agronomic information			Mean	68	94	39	29,732	14.0	59.3	220	
Plant Date	3/6/2020		C.V. %	0.8	2.2	4.0	3.4	5.4	1.1	3.6	
Harvest Date	7/28/2020		P>f (hybrid)	0.000	0.000	0.000	0.018	0.000	0.000	0.000	
Irrigated	Yes		L.S.D.	0.8	2.9	2.2	1,436.6	1.1	0.9	11.1	
Row Spacing (in)	36		Trial Notes							Cooperator	Nelson Reus
Number of Rows	2									<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>	
Seeds per Acre	30,000										
Precipitation (in)	16.9										
Irrigation (in)	11										
Herbicide			<p>* Mehlich 3 by ICP, soiltesting.tamu.edu</p> <p>** Samples collected at planting, some locations may have applied fertilizer</p>								
Soil Type	Clay		Fertilizer Applied			Soil Analysis Report**					
Tillage	Strip-till		N (lb/ac)	200	NO3-N (ppm)	15	pH	7.7			
Previous Crop	Wheat/sesame		P2O5 (lb/ac)	65	P (ppm)*	21	Conductivity (umho/cm)	191			
			K2O (lb/ac)	3	K (ppm)*	406	Ca (ppm)*	17,908			
			S (lb/ac)		S (ppm)*	14	Mg (ppm)*	252			
			Zn (lb/ac)				Na (ppm)*	23			

*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
Nutrien Ag	Dyna-Gro	D57VC51	228	
Corteva	Pioneer	P1847	226	
Wilbur-Ellis Company	Integra	6621	225	
Nutrien Ag	Dyna-Gro	D54VC14	222	
LG Seeds	LG Seeds	64C30	222	
Wilbur-Ellis Company	Integra	6695	220	
Wilbur-Ellis Company	Integra	6720	220	
LG Seeds	LG Seeds	66C32	218	
Progeny Ag Products	Progeny	PGY9117	217	
Corteva	Pioneer	P1464	215	
LG Seeds	LG Seeds	67C45	215	
Progeny Ag Products	Progeny	PGY9114	214	
Wilbur-Ellis Company	Integra	6410	214	
Wilbur-Ellis Company	Integra	6533	212	
Progeny Ag Products	Progeny	PGY8116	211	
Progeny Ag Products	Progeny	EXP1915	211	
Nutrien Ag	Dyna-Gro	D58SS65	207	
Progeny Ag Products	Progeny	EXP1913	206	
Wilbur-Ellis Company	Integra	6588	201	

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.

College Station 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	85	32	28,946	13.6	58.8	179
LG Seeds	67C45	SmartStax	69	93	37	29,017	15.4	59.3	176
Progeny	PGY9117	Genuity VT Double PRO	68	89	31	29,298	13.9	59.8	172
Integra	6720	Genuity DG VT Double PRO	70	89	34	29,017	14.4	59.9	171
Pioneer	P1903	N/A	70	95	33	29,789	13.1	57.2	170
Integra	6410	SmartStax	67	87	31	29,930	13.8	59.5	170
Integra	6588	Genuity VT Double PRO	69	89	34	27,752	14.6	59.7	169
Integra	6540	Genuity Trecepta	66	83	32	27,471	13.2	57.7	168
Dyna-Gro	D58SS65	Genuity SmartStax	69	88	31	29,579	14.5	59.1	168
Progeny	EXP2018	SmartStax	71	91	36	28,736	15.7	60.9	167
Progeny	EXP1913	Genuity VT Double PRO	68	86	33	28,244	13.6	57.6	166
Integra	6695	Genuity Trecepta	66	88	32	29,087	14.4	60.3	166
LG Seeds	5701	Genuity VT Double PRO	69	92	34	29,368	13.5	57.9	164
Dyna-Gro	D53TC19	Genuity Trecepta	65	85	32	26,768	13.0	57.8	163
Progeny	EXP1915	SmartStax	68	87	32	29,087	14.6	59.7	160
Progeny	PGY2025	Genuity DG VT Double PRO	67	88	33	28,876	12.7	57.6	158
Integra	6621	Genuity DG VT Double PRO	67	88	34	28,455	12.9	57.3	158
Progeny	PGY2012	Genuity VT Double PRO	69	86	30	29,227	12.5	56.7	157
Progeny	PGY9114	Genuity VT Double PRO	67	85	31	28,173	13.9	59.0	157
LG Seeds	64C30	Genuity Trecepta	66	88	33	28,314	13.8	58.0	157
Integra	6533	Genuity VT Double PRO	67	88	34	28,244	13.5	58.3	157

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

College Station 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Progeny	PGY8116	SmartStax	71	87	35	29,368	14.3	59.4	156
Progeny	PGY2015	Genuity VT Double PRO	68	91	34	25,223	14.0	60.4	156
Progeny	EXP1912	Genuity VT Double PRO	67	89	32	28,525	12.1	57.1	154
LG Seeds	66C32	Genuity VT Double PRO	68	81	29	28,173	13.6	58.7	152
Dyna-Gro	D55VC80	Genuity VT Double PRO	69	90	35	27,752	14.1	58.8	152
LG Seeds	68C59	N/A	71	98	34	29,649	12.5	56.3	150
Dyna-Gro	D57VC51	Genuity VT Double PRO	69	94	33	28,033	13.0	57.3	150
AgraTech	AT-1640C	Conventional	69	93	37	27,682	13.3	58.5	150
Progeny	EXP2015	SmartStax	68	89	32	28,876	13.1	59.1	146
AgraTech	AT-1720C	Conventional	68	88	32	27,822	13.2	57.7	145
Progeny	EXP1917	Genuity Trecepta	68	88	32	20,305	14.2	59.3	130

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

College Station

2020 Corn

Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)		
Agronomic information			Mean	68	88	33	28,274	13.7	58.6	160	
Plant Date	3/10/2020		C.V. %	1.4	3.2	6.0	5.9	4.4	1.3	12.3	
Harvest Date	8/4/2020		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	0.330	
Irrigated	Yes		L.S.D.	1.3	3.9	2.8	2,326.9	0.8	1.1		
Row Spacing (in)	30		Trial Notes							Cooperator	Texas A&M AgriLife
Number of Rows	2		*Furrow irrigated 5/8, 6/3, and 6/19							<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>	
Seeds per Acre	30,000		*Charcoal rot resulted in premature death and variation in yield								
Precipitation (in)	18.8										
Irrigation (in)	7.5										
Herbicide	3/18/20: 1 qt/ac Atrazine + 1.33 pt/ac Dual II Magnum. 4/1/20: 14 oz/ac Outlook.		* Mehlich 3 by ICP, soiltesting.tamu.edu								
			** Samples collected at planting, some locations may have applied fertilizer								
Soil Type	Silty clay loam		Fertilizer Applied			Soil Analysis Report**					
Tillage	Conventional		N (lb/ac)	250	NO3-N (ppm)	18	pH	7.9			
Previous Crop	Soybeans		P2O5 (lb/ac)	35	P (ppm)*	73	Conductivity (umho/cm)	133			
			K2O (lb/ac)	0	K (ppm)*	171	Ca (ppm)*	5,940			
			S (lb/ac)	15	S (ppm)*	13	Mg (ppm)*	179			
			Zn (lb/ac)	0			Na (ppm)*	33			

*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	67C45	178	
Progeny Ag Products	Progeny	PGY9117	177	
Wilbur-Ellis Company	Integra	6720	173	
Wilbur-Ellis Company	Integra	6588	172	177
Progeny Ag Products	Progeny	EXP1913	172	
Nutrien Ag	Dyna-Gro	D57VC51	169	176
Nutrien Ag	Dyna-Gro	D58SS65	169	179
LG Seeds	LG Seeds	64C30	169	
Wilbur-Ellis Company	Integra	6410	168	
Wilbur-Ellis Company	Integra	6621	167	
Wilbur-Ellis Company	Integra	6695	167	
Nutrien Ag	Dyna-Gro	D54VC14	166	168
Wilbur-Ellis Company	Integra	6533	164	173
Progeny Ag Products	Progeny	PGY8116	162	176
Progeny Ag Products	Progeny	PGY9114	151	
Progeny Ag Products	Progeny	EXP1915	150	
LG Seeds	LG Seeds	66C32	146	166

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.

Thrall

2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D53TC19	Genuity Trecepta	68	89	33	21,499	8.4	53.6	100
LG Seeds	64C30	Genuity Trecepta	68	91	32	20,867	8.2	53.1	96
Integra	6588	Genuity VT Double PRO	71	89	35	21,429	9.5	56.0	95
Integra	6410	SmartStax	68	86	29	22,272	8.3	54.3	93
Integra	6621	Genuity DG VT Double PRO	70	88	32	21,710	9.0	53.9	90
Progeny	EXP2013	Genuity VT Double PRO	71	84	32	21,850	9.8	56.0	89
Integra	6533	Genuity VT Double PRO	68	90	33	21,007	9.7	55.8	89
Pioneer	P1903	N/A	72	94	33	21,288	8.5	52.9	89
Dyna-Gro	D54VC14	Genuity VT Double PRO	69	87	30	21,288	9.0	55.0	89
Integra	6540	Genuity Trecepta	67	89	31	19,813	8.0	52.3	88
Progeny	PGY2012	Genuity VT Double PRO	70	85	30	22,061	7.6	51.8	88
Dyna-Gro	D58SS65	Genuity SmartStax	71	86	30	21,639	9.3	55.2	87
Progeny	PGY9114	Genuity VT Double PRO	68	87	29	21,148	9.1	54.9	86
Progeny	EXP2018	SmartStax	73	89	34	21,288	10.1	56.3	86
Progeny	PGY8116	SmartStax	72	92	34	22,483	8.9	54.5	85
Integra	6695	Genuity Trecepta	68	85	33	21,710	9.9	56.4	84
Progeny	EXP1913	Genuity VT Double PRO	71	84	32	21,218	8.5	53.8	84
Progeny	EXP1915	SmartStax	71	90	31	22,764	9.5	56.1	83
Progeny	EXP1912	Genuity VT Double PRO	69	92	31	21,710	6.6	50.1	83
Dyna-Gro	D55VC80	Genuity VT Double PRO	72	91	34	22,623	9.2	54.6	83
Agventure	AV8216	N/A	72	91	30	21,569	10.1	56.2	82

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



Thrall 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Progeny	EXP1917	Genuity Trecepta	66	90	33	19,391	9.9	56.4	81
Integra	6720	Genuity DG VT Double PRO	72	90	33	22,553	9.1	53.9	81
Progeny	PGY9117	Genuity VT Double PRO	71	89	31	19,883	9.4	55.5	75
Dyna-Gro	D57VC51	Genuity VT Double PRO	72	90	30	22,412	9.1	54.5	74
LG Seeds	68C59	N/A	73	92	31	23,677	7.0	49.7	64

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

Thrall 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)																																
Agronomic information			Mean	70	89	32	21,583	8.9	54.3	86																															
Plant Date	3/12/2020		C.V. %	3.0	2.9	8.0	8.0	9.6	2.3	9.1																															
Harvest Date	7/22/2020		P>f (hybrid)	0.000	0.000	0.020	0.258	0.000	0.000	0.000																															
Irrigated	No		L.S.D.	2.9	3.7	3.5		1.2	1.7	11.0																															
Row Spacing (in)	30		Trial Notes							Cooperator	Stiles Farm Foundation																														
Number of Rows	2									<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>																															
Seeds per Acre	24,000																																								
Precipitation (in)	16.7																																								
Irrigation (in)																																									
Herbicide	1 qt/ac atrazine, 1.33 pt/ac Dual + 1 qt/ac Roundup at planting. 14 oz/ac Outlook + 1 qt /ac Roundup applied post		* Mehlich 3 by ICP, soiltesting.tamu.edu		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 50%;">Fertilizer Applied</th> <th style="width: 50%;">Soil Analysis Report**</th> </tr> </thead> <tbody> <tr> <td>N (lb/ac)</td> <td style="text-align: center;">200</td> <td>NO3-N (ppm)</td> <td style="text-align: center;">3</td> <td>pH</td> <td style="text-align: center;">5.6</td> </tr> <tr> <td>P2O5 (lb/ac)</td> <td style="text-align: center;">35</td> <td>P (ppm)*</td> <td style="text-align: center;">25</td> <td>Conductivity (umho/cm)</td> <td style="text-align: center;">121</td> </tr> <tr> <td>K2O (lb/ac)</td> <td style="text-align: center;">60</td> <td>K (ppm)*</td> <td style="text-align: center;">78</td> <td>Ca (ppm)*</td> <td style="text-align: center;">4,533</td> </tr> <tr> <td>S (lb/ac)</td> <td style="text-align: center;">20</td> <td>S (ppm)*</td> <td style="text-align: center;">6</td> <td>Mg (ppm)*</td> <td style="text-align: center;">493</td> </tr> <tr> <td>Zn (lb/ac)</td> <td style="text-align: center;">0</td> <td></td> <td></td> <td>Na (ppm)*</td> <td style="text-align: center;">39</td> </tr> </tbody> </table>					Fertilizer Applied	Soil Analysis Report**	N (lb/ac)	200	NO3-N (ppm)	3	pH	5.6	P2O5 (lb/ac)	35	P (ppm)*	25	Conductivity (umho/cm)	121	K2O (lb/ac)	60	K (ppm)*	78	Ca (ppm)*	4,533	S (lb/ac)	20	S (ppm)*	6	Mg (ppm)*	493	Zn (lb/ac)	0			Na (ppm)*	39
Fertilizer Applied	Soil Analysis Report**																																								
N (lb/ac)	200	NO3-N (ppm)	3	pH						5.6																															
P2O5 (lb/ac)	35	P (ppm)*	25	Conductivity (umho/cm)						121																															
K2O (lb/ac)	60	K (ppm)*	78	Ca (ppm)*	4,533																																				
S (lb/ac)	20	S (ppm)*	6	Mg (ppm)*	493																																				
Zn (lb/ac)	0			Na (ppm)*	39																																				
Soil Type	Clay																																								
Tillage	Conventional																																								
Previous Crop	Grain sorghum																																								

*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
LG Seeds	LG Seeds	64C30	131	
Wilbur-Ellis Company	Integra	6621	130	
Wilbur-Ellis Company	Integra	6588	126	102
Nutrien Ag	Dyna-Gro	D54VC14	126	103
Progeny Ag Products	Progeny	PGY8116	126	101
Progeny Ag Products	Progeny	EXP1915	124	
Wilbur-Ellis Company	Integra	6533	121	93
Wilbur-Ellis Company	Integra	6410	120	
Wilbur-Ellis Company	Integra	6695	120	
Nutrien Ag	Dyna-Gro	D58SS65	119	94
Progeny Ag Products	Progeny	EXP1913	119	
Progeny Ag Products	Progeny	PGY9114	116	
Wilbur-Ellis Company	Integra	6720	116	
Nutrien Ag	Dyna-Gro	D57VC51	114	87

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.



Bardwell 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D53TC19	Genuity Trecepta	N/A	92	42	23,255	9.2	56.9	120
LG Seeds	67C45	SmartStax	N/A	92	44	24,590	11.8	58.1	116
LG Seeds	64C30	Genuity Trecepta	N/A	95	40	24,590	9.6	57.2	116
Progeny	EXP1913	Genuity VT Double PRO	N/A	93	41	23,888	10.5	57.7	115
Integra	6540	Genuity Trecepta	N/A	92	43	23,607	9.1	56.5	115
Progeny	PGY8116	SmartStax	N/A	94	44	24,380	11.1	59.3	114
Integra	6720	Genuity DG VT Double PRO	N/A	92	42	25,152	10.8	58.7	113
Dyna-Gro	D54VC14	Genuity VT Double PRO	N/A	87	37	23,536	9.8	57.6	112
Integra	6533	Genuity VT Double PRO	N/A	92	43	23,958	11.8	57.0	112
Dyna-Gro	D55VC80	Genuity VT Double PRO	N/A	95	43	24,169	10.1	57.5	112
Dyna-Gro	D58SS65	Genuity SmartStax	N/A	81	34	23,747	11.5	57.6	112
Progeny	EXP2018	SmartStax	N/A	91	42	23,466	12.0	59.4	110
Integra	6588	Genuity VT Double PRO	N/A	93	40	23,747	11.2	58.2	109
Progeny	PGY2012	Genuity VT Double PRO	N/A	91	40	24,309	9.6	56.6	107
Progeny	EXP1915	SmartStax	N/A	92	40	24,028	10.0	58.4	106
Integra	6410	SmartStax	N/A	88	38	24,099	9.9	57.8	106
Integra	6621	Genuity DG VT Double PRO	N/A	93	40	24,169	9.6	56.4	105
Integra	6695	Genuity Trecepta	N/A	87	40	23,817	9.4	55.7	101
Progeny	PGY9114	Genuity VT Double PRO	N/A	88	39	23,326	9.9	58.2	101
Progeny	EXP2013	Genuity VT Double PRO	N/A	92	41	24,590	12.7	57.4	100
Progeny	EXP1912	Genuity VT Double PRO	N/A	93	40	24,590	9.0	56.1	100

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



Bardwell 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Pioneer	P1903	N/A	N/A	98	43	23,817	10.5	54.4	100
Progeny	PGY9117	Genuity VT Double PRO	N/A	96	41	23,677	11.4	58.8	98
Dyna-Gro	D57VC51	Genuity VT Double PRO	N/A	91	41	23,045	10.6	56.4	95
LG Seeds	68C59	N/A	N/A	94	38	22,623	9.0	55.1	87
AgraTech	AT-1720C	Conventional	N/A	86	39	23,185	10.1	55.9	87
AgraTech	AT-1640C	Conventional	N/A	97	44	21,921	11.3	56.3	64

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

Bardwell 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	92	41	23,825	10.4	57.2	105
Plant Date	4/16/2020		C.V. %	3.8	4.6	4.3	6.9	1.9	8.4
Harvest Date	8/13/2020		P>f (hybrid)	0.000	0.000	0.034	0.000	0.000	0.000
Irrigated	No		L.S.D.	4.9	2.6	1,453.7	1.1	1.6	13.5
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		*Due to wet field conditions in the spring, test was planted later than the optimum plant date			Cooperator Bob & Steven Beakley			
Seeds per Acre	24,000		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Precipitation (in)	26.7								
Irrigation (in)									
Herbicide									
Soil Type	Clay		Fertilizer Applied		Soil Analysis Report**				
Tillage	Conventional		N (lb/ac)		NO3-N (ppm)	121	pH	8.0	
Previous Crop	Wheat		P2O5 (lb/ac)		P (ppm)*	35	Conductivity (umho/cm)	592	
			K2O (lb/ac)		K (ppm)*	714	Ca (ppm)*	16,447	
			S (lb/ac)		S (ppm)*	9	Mg (ppm)*	150	
			Zn (lb/ac)				Na (ppm)*	12	

*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	6588	149	128
Progeny Ag Products	Progeny	PGY8116	148	126
Progeny Ag Products	Progeny	EXP1913	147	
Wilbur-Ellis Company	Integra	6621	147	
Nutrien Ag	Dyna-Gro	D54VC14	146	126
Progeny Ag Products	Progeny	PGY9114	145	
LG Seeds	LG Seeds	64C30	145	
LG Seeds	LG Seeds	67C45	144	
Nutrien Ag	Dyna-Gro	D58SS65	143	123
Wilbur-Ellis Company	Integra	6533	143	126
Progeny Ag Products	Progeny	EXP1915	142	
Wilbur-Ellis Company	Integra	6410	141	
Wilbur-Ellis Company	Integra	6695	138	
Wilbur-Ellis Company	Integra	6720	138	
Nutrien Ag	Dyna-Gro	D57VC51	134	116
Progeny Ag Products	Progeny	PGY9117	128	

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.

Greenville 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
LG Seeds	64C30	Genuity Trecepta	64	70	27	23,888	9.0	56.8	85
Progeny	PGY2015	Genuity VT Double PRO	68	73	28	21,218	9.6	59.2	83
LG Seeds	67C45	SmartStax	69	76	29	24,309	8.9	56.3	82
Integra	6621	Genuity DG VT Double PRO	65	76	26	23,817	8.7	56.3	81
Integra	6695	Genuity Trecepta	66	72	26	22,553	9.0	57.8	81
Integra	6540	Genuity Trecepta	64	73	27	23,677	8.4	56.3	81
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	73	25	23,396	8.9	57.4	80
Progeny	EXP1913	Genuity VT Double PRO	66	76	28	23,888	7.8	55.2	80
Progeny	PGY9114	Genuity VT Double PRO	64	71	25	23,045	8.7	57.5	78
Dyna-Gro	D58SS65	Genuity SmartStax	68	67	23	22,272	9.2	57.8	77
Dyna-Gro	D53TC19	Genuity Trecepta	65	67	24	22,483	8.1	56.0	76
Integra	6588	Genuity VT Double PRO	69	76	26	23,045	8.6	56.1	74
Progeny	PGY8116	SmartStax	70	76	28	24,239	8.7	57.3	74
Dyna-Gro	D57VC51	Genuity VT Double PRO	68	74	25	23,466	8.0	55.4	74
Progeny	EXP2018	SmartStax	68	77	31	22,764	8.6	56.8	71
Dyna-Gro	D55VC80	Genuity VT Double PRO	69	77	26	22,553	8.6	56.5	70
Progeny	EXP2013	Genuity VT Double PRO	68	71	26	22,272	7.7	55.4	70
Progeny	PGY9117	Genuity VT Double PRO	70	76	24	22,904	8.2	56.4	68
Integra	6720	Genuity DG VT Double PRO	71	75	26	23,747	8.2	56.5	68
Integra	6410	SmartStax	66	70	23	22,904	8.4	56.7	64
Integra	6533	Genuity VT Double PRO	68	70	27	21,429	8.2	55.9	62

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



Greenville 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Progeny	PGY2012	Genuity VT Double PRO	67	72	24	22,834	7.2	54.5	62
LG Seeds	68C59	N/A	72	76	24	23,396	6.6	52.6	61
Agventure	AV8216	N/A	68	82	28	23,466	7.7	54.6	60
Progeny	EXP1912	Genuity VT Double PRO	67	74	25	23,536	7.2	54.5	56
Progeny	EXP1915	SmartStax	68	72	25	23,747	7.6	54.9	54
Pioneer	P1903	N/A	72	79	26	24,239	6.2	51.5	54

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

Greenville 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)	
Agronomic information			Mean	67	74	26	23,151	8.2	56.0	71
Plant Date	4/15/2020		C.V. %	2.7	5.1	9.9	7.0	9.6	2.3	17.4
Harvest Date	8/24/2020		P>f (hybrid)	0.000	0.000	0.009	0.538	0.000	0.000	0.002
Irrigated	No		L.S.D.	2.5	5.2	3.6		1.1	1.8	17.5
Row Spacing (in)	30		Trial Notes							
Number of Rows	2		*Due to wet field conditions in the spring, test was planted later than the optimum plant date			Cooperator Texas A&M AgriLife				
Seeds per Acre	24,000		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505							
Precipitation (in)	31.3									
Irrigation (in)										
Herbicide										
4/17/20: 1 qt/ac Roundup + 1 qt/ac Atrazine + 1 qt/ac Acuron + 1.5 pt/ac Dual II Magnum			* Mehlich 3 by ICP, soiltesting.tamu.edu							
			** Samples collected at planting, some locations may have applied fertilizer							
Soil Type	Clay		Fertilizer Applied		Soil Analysis Report**					
Tillage	Conventional		N (lb/ac)	150	NO3-N (ppm)	26	pH	7.0		
Previous Crop	Fallow		P2O5 (lb/ac)		P (ppm)*	17	Conductivity (umho/cm)	322		
			K2O (lb/ac)		K (ppm)*	501	Ca (ppm)*	8,306		
			S (lb/ac)		S (ppm)*	7	Mg (ppm)*	345		
			Zn (lb/ac)				Na (ppm)*	86		

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

Corn Greenville Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Wilbur-Ellis Company	Integra	6621	105	
LG Seeds	LG Seeds	64C30	103	
Wilbur-Ellis Company	Integra	6695	100	
LG Seeds	LG Seeds	67C45	99	
Nutrien Ag	Dyna-Gro	D54VC14	98	101
Progeny Ag Products	Progeny	PGY8116	96	
Progeny Ag Products	Progeny	PGY9114	94	
Nutrien Ag	Dyna-Gro	D57VC51	93	94
Nutrien Ag	Dyna-Gro	D58SS65	91	95
Progeny Ag Products	Progeny	EXP1913	90	
Progeny Ag Products	Progeny	EXP1915	87	
Wilbur-Ellis Company	Integra	6588	87	90
Wilbur-Ellis Company	Integra	6410	86	
Wilbur-Ellis Company	Integra	6533	85	88
Wilbur-Ellis Company	Integra	6720	83	

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.



Dumas 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Pioneer	P1903	N/A	70	106	46	32,412	23.5	54.9	292
Progeny	PGY9117	Genuity VT Double PRO	N/A	105	43	31,757	25.7	55.5	288
Integra	6695	Genuity Trecepta	70	104	45	31,967	21.7	57.2	285
Agventure	AV7516	N/A	71	106	40	30,914	24.3	57.5	281
LG Seeds	5643	Genuity VT Double PRO RIB	71	103	42	30,281	22.5	55.5	281
Progeny	PGY2025	Genuity DG VT Double PRO	70	107	43	31,686	21.9	56.6	280
Progeny	EXP2013	Genuity VT Double PRO	N/A	102	43	32,600	23.4	57.1	280
Mission	A1798	Genuity VT Double PRO	70	104	43	31,850	24.2	55.0	278
Dyna-Gro	D54SS74	SmartStax	71	102	39	31,897	22.5	56.2	278
LG Seeds	67C45	SmartStax	71	105	47	32,248	23.9	56.8	277
Dyna-Gro	D57VC17	Genuity VT Double PRO	71	103	46	31,967	22.6	56.6	275
Integra	6410	SmartStax	70	103	44	31,288	21.9	57.1	275
Mission	A1477	Genuity DG VT Double PRO	71	106	46	32,459	21.6	54.5	275
Progeny	PGY8116	SmartStax	N/A	106	46	30,633	23.9	57.0	275
Progeny	EXP1915	SmartStax	71	101	42	33,092	22.3	57.2	273
Dyna-Gro	D55VC80	Genuity VT Double PRO	N/A	106	47	31,757	20.3	54.6	273
LG Seeds	66C44	Genuity VT Double PRO	N/A	108	47	33,162	21.7	55.1	270
LG Seeds	66C32	Genuity VT Double PRO	71	103	45	32,389	23.7	56.9	270
Dyna-Gro	D58VC65	Genuity VT Double PRO	71	103	42	31,124	22.7	56.8	269
Dyna-Gro	D53TC19	Genuity Trecepta	70	104	44	31,686	18.6	57.9	269
Integra	6621	Genuity DG VT Double PRO	71	107	45	30,633	21.6	56.5	269

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



Dumas 2020 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D58QC72	Agrisure Viptera 3110	71	108	44	32,459	26.0	55.7	269
LG Seeds	68C59	N/A	N/A	114	46	31,288	23.9	55.2	267
Integra	6720	Genuity DG VT Double PRO	N/A	103	43	32,319	23.3	57.4	266
Mission	A1657	Genuity DG VT Double PRO	70	106	44	31,054	22.2	56.1	265
LG Seeds	64C30	Genuity Trecepta	71	107	43	31,405	21.0	57.6	264
Progeny	EXP2015	SmartStax	71	106	44	30,633	19.8	55.0	263
Progeny	EXP1912	Genuity VT Double PRO	70	106	43	31,967	18.0	56.5	257
Integra	6533	Genuity VT Double PRO	71	101	41	32,225	21.4	58.0	256
Integra	6588	Genuity VT Double PRO	N/A	107	48	32,670	22.5	55.5	251
Progeny	PGY2012	Genuity VT Double PRO	71	106	44	31,382	19.3	55.3	248
Mission	A1257	Genuity VT Double PRO	N/A	106	47	32,178	19.1	55.3	246
Progeny	PGY9114	Genuity VT Double PRO	71	105	45	32,506	21.7	56.4	243
Progeny	PGY2015	Genuity VT Double PRO	71	103	47	31,967	18.7	57.5	238
Progeny	EXP1913	Genuity VT Double PRO	71	99	42	32,412	17.0	54.7	227
Progeny	EXP1917	Genuity Trecepta	N/A	104	48	30,539	21.8	57.1	191

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

Dumas

2020 Corn

Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	71	105	44	21.9	56.3	266
Plant Date	5/5/2020		C.V. %	0.7	1.5	3.1	3.8	1.1	3.7
Harvest Date	10/1/2020		P>f (hybrid)	0.165	0.000	0.000	0.000	0.000	0.000
Irrigated	Yes		L.S.D.		2.2	1.9	1.2	0.9	14.6
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		*3 ton/ac compost applied			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 ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505			
Seeds per Acre	32,000		*Nitrogen applied as 32-0-0						
Precipitation (in)	16.3		*7/15: Applied 6 oz/ac Steward + 4.6 oz/ac Zolera FX + 2.5 pt/ac Comite 2						
Irrigation (in)	21.47		*8/15: Applied 20 oz/ac Prevathon						
Herbicide			* Mehlich 3 by ICP, soiltesting.tamu.edu						
3/31: 1.25 qt/ac Fultime + 12 oz/ac Strut + 12 oz/ac 2,4-D 5/9: 1.25 qt/ac Resicore + 1 pt/ac Atrazine + 1 qt/ac Gramoxone 6/13: 32 oz/ac Abundit Edge + 6 oz/ac Strut			** Samples collected at planting, some locations may have applied fertilizer						
Soil Type	Clay loam		Fertilizer Applied		Soil Analysis Report**				
Tillage	Strip-till		N (lb/ac)	248	NO3-N (ppm)	34	pH	7.3	
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	67	Conductivity (umho/cm)	335	
			K2O (lb/ac)		K (ppm)*	912	Ca (ppm)*	3,347	
			S (lb/ac)		S (ppm)*	16	Mg (ppm)*	985	
			Zn (lb/ac)				Na (ppm)*	49	

*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
Progeny Ag Products	Progeny	PGY8116	305	
LG Seeds	LG Seeds	67C45	305	
Agventure Pinnacle	Agventure	AV7516	298	
Wilbur-Ellis Company	Integra	6695	298	
Nutrien Ag	Dyna-Gro	D54SS74	298	
Progeny Ag Products	Progeny	PGY9117	294	
Wilbur-Ellis Company	Integra	6621	293	
Wilbur-Ellis Company	Integra	6720	291	
Nutrien Ag	Dyna-Gro	D58VC65	291	
Nutrien Ag	Dyna-Gro	D53TC19	289	
LG Seeds	LG Seeds	5643	288	
Wilbur-Ellis Company	Integra	6410	288	
Wilbur-Ellis Company	Integra	6588	288	
Nutrien Ag	Dyna-Gro	D55VC80	287	
LG Seeds	LG Seeds	66C32	282	
Wilbur-Ellis Company	Integra	6533	282	
Nutrien Ag	Dyna-Gro	D57VC17	279	
Progeny Ag Products	Progeny	EXP1915	275	
LG Seeds	LG Seeds	64C30	274	
Progeny Ag Products	Progeny	PGY9114	272	
Progeny Ag Products	Progeny	EXP1913	227	

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.

Sunray 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D55VC80	Genuity VT Double PRO	67	106	44	32,951	19.1	58.0	301
LG Seeds	68C59	N/A	69	105	43	34,040	21.4	56.7	300
Progeny	PGY2012	Genuity VT Double PRO	67	99	40	32,223	17.6	58.3	297
LG Seeds	66C44	Genuity VT Double PRO	67	100	46	32,121	18.2	57.7	292
Integra	6720	Genuity DG VT Double PRO	68	105	47	33,724	21.0	59.6	287
Pioneer	P1903	N/A	69	105	45	31,130	21.2	57.2	287
Dyna-Gro	D57VC17	Genuity VT Double PRO	67	102	44	33,021	19.4	59.4	286
Dyna-Gro	D58VC65	Genuity VT Double PRO	66	102	43	31,685	19.0	59.1	286
Agventure	AV7516	N/A	67	103	43	33,302	21.4	59.8	283
Progeny	EXP1915	SmartStax	66	99	44	33,021	19.8	60.4	282
Integra	6410	SmartStax	65	98	39	32,447	18.1	59.6	282
Mission	A1798	Genuity VT Double PRO	65	103	43	31,897	22.2	56.4	280
Progeny	EXP1913	Genuity VT Double PRO	65	103	46	32,275	17.9	58.8	278
Mission	A1257	Genuity VT Double PRO	66	99	41	32,319	17.5	57.9	277
Integra	6588	Genuity VT Double PRO	67	106	46	33,724	21.0	59.3	277
Dyna-Gro	D58QC72	Agrisure Viptera 3110	67	115	46	31,195	23.4	57.6	275
Integra	6695	Genuity Trecepta	65	99	44	31,476	18.8	59.6	274
Progeny	PGY8116	SmartStax	69	100	46	33,654	20.2	59.9	273
LG Seeds	5643	Genuity VT Double PRO RIB	66	98	41	31,808	19.3	57.7	271
Mission	A1477	Genuity DG VT Double PRO	67	102	45	31,476	17.2	58.0	271
Progeny	EXP2015	SmartStax	67	103	43	31,157	17.4	59.6	270

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

Sunray 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
LG Seeds	66C32	Genuity VT Double PRO	66	100	41	32,529	17.6	60.0	270
Progeny	PGY9117	Genuity VT Double PRO	67	101	41	31,805	21.2	58.7	270
Integra	6533	Genuity VT Double PRO	65	103	46	29,273	18.9	59.8	269
Dyna-Gro	D53TC19	Genuity Trecepta	65	96	42	30,994	15.8	59.4	268
Mission	A1657	Genuity DG VT Double PRO	66	99	42	31,457	19.4	59.1	268
Integra	6621	Genuity DG VT Double PRO	66	99	42	31,786	17.4	59.1	268
Progeny	EXP2013	Genuity VT Double PRO	67	98	44	32,381	19.2	59.8	263
LG Seeds	67C45	SmartStax	67	102	45	31,792	18.2	59.8	263
Progeny	PGY9114	Genuity VT Double PRO	65	98	38	31,466	17.8	59.6	262
LG Seeds	64C30	Genuity Trecepta	65	101	46	30,966	17.5	59.8	261
Progeny	EXP1912	Genuity VT Double PRO	65	101	42	31,827	14.8	58.8	260
Progeny	PGY2025	Genuity DG VT Double PRO	66	103	43	31,705	18.1	58.3	260
Dyna-Gro	D54SS74	SmartStax	66	98	40	31,662	17.9	58.9	256
Progeny	EXP1917	Genuity Trecepta	66	104	44	27,611	18.2	59.8	232
Progeny	PGY2015	Genuity VT Double PRO	65	103	47	27,202	15.9	61.3	230

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

Sunray 2020 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	66	101	43	18.8	59.0	273
Plant Date	5/5/2020		C.V. %	1.1	3.5	6.1	4.4	1.0	4.0
Harvest Date	9/30/2020		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.0	4.9	3.7	1.2	0.8	15.2
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		<div style="border: 1px solid gray; height: 100px; width: 100%;"></div> <div style="border: 1px solid gray; height: 60px; width: 100%;"></div> <p style="font-size: small; margin-top: 10px;">* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>						
Seeds per Acre	32,000								
Precipitation (in)	16.6								
Irrigation (in)									
Herbicide									
			Cooperator				Tommy Cartrite		
			<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>						
Soil Type	Clay loam		Fertilizer Applied			Soil Analysis Report**			
Tillage	Minimal		N (lb/ac)		NO3-N (ppm)	66	pH	7.0	
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	112	Conductivity (umho/cm)	312	
			K2O (lb/ac)		K (ppm)*	559	Ca (ppm)*	1,652	
			S (lb/ac)		S (ppm)*	18	Mg (ppm)*	441	
			Zn (lb/ac)				Na (ppm)*	26	

*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	287	
Nutrien Ag	Dyna-Gro	D57VC17	286	
Progeny Ag Products	Progeny	EXP1915	281	
Wilbur-Ellis Company	Integra	6410	280	
Wilbur-Ellis Company	Integra	6720	279	
Nutrien Ag	Dyna-Gro	D58VC65	277	
Wilbur-Ellis Company	Integra	6533	275	268
Wilbur-Ellis Company	Integra	6695	274	
Wilbur-Ellis Company	Integra	6588	273	268
Progeny Ag Products	Progeny	EXP1913	271	
Progeny Ag Products	Progeny	PGY8116	271	266
Progeny Ag Products	Progeny	PGY9117	270	
LG Seeds	LG Seeds	67C45	270	
Nutrien Ag	Dyna-Gro	D53TC19	268	
LG Seeds	LG Seeds	5643	265	262
Wilbur-Ellis Company	Integra	6621	265	
LG Seeds	LG Seeds	66C32	261	257
Nutrien Ag	Dyna-Gro	D54SS74	260	
Progeny Ag Products	Progeny	PGY9114	254	
LG Seeds	LG Seeds	64C30	252	

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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<u>Cooperator</u>	<u>Trial Location</u>	<u>County</u>	<u>Region</u>
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
Texas A&M AgriLife Research	Greenville	Hunt	Blacklands
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LITERATURE CITED

1. National Weather Service, Advanced Hydrological Prediction Service
<http://water.weather.gov/precip/index.php>

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