

2019 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, eight 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 2019 test sites are shown in Figure 1. A total of 399 entries were evaluated across 13 locations representing 59 unique hybrids from 9 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

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 2019 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 3000GT	GT3K
Agrisure	Agrisure 3010	GT/CB/LL
Agrisure	Agrisure 3122 E-Z Refuge	3122EZ
Agrisure	Agrisure 3220 E-Z Refuge	3220EZ
Agrisure	Agrisure Artesian 3011A	3011A
Agrisure	Agrisure CB/LL	CB/LL
Agrisure	Agrisure CB/LL/RW	CB/LL/RW
Agrisure	Agrisure Duracade 5122 E-Z Refuge	5122EZ
Agrisure	Agrisure Duracade 5222 E-Z Refuge	5222EZ
Agrisure	Agrisure GT Artesian	GT-Artesian
Agrisure	Agrisure GT/RW	GT/RW
Agrisure	Agrisure RW	RW
Agrisure	Agrisure Viptera 3110	V3110
Agrisure	Agrisure Viptera 3111	V3111
Generic	BGTCBLL	BGTCBLL
Generic	GT	GT
Generic	RR2	RR2
Genuity	DroughtGard Roundup Ready Corn 2	GEN DG RR2
Genuity	Genuity DG VT Double PRO	GEN DGVT2P
Genuity	Genuity DG VT Triple PRO	GEN DGVT3P
Genuity	Genuity SmartStax	GEN SSX
Genuity	Genuity SmartStax RIB Complete	GEN SSXRIB
Genuity	Genuity Trecepta	Trecepta
Genuity	Genuity VT Double PRO	GEN VT2P
Genuity	Genuity VT Double PRO RIB Complete (GENVT2P)	GEN VT2PRIB
Genuity	Genuity VT Triple PRO	GEN VT3P
Genuity	Genuity VT Triple PRO RIB Complete (GENVT3P)	GEN VT3PRIB
Herculex	Herculex 1 (HX1)	HX1
Herculex	Herculex Extra (HXX)	HXX
Herculex	Herculex RW (HXRW)	HXRW
Mycogen	Enlist	Enlist
Mycogen	Powercore	Powercore
Mycogen	SmartStax	SSX
Optimum	Leptra	VYHR
Optimum	Optimum AcreMax - AQUAmax (AM-R)	AM-AQUAmax
Optimum	Optimum AcreMax (AM-R)	AM-R
Optimum	Optimum AcreMax Rootworm (AMRW-R)	AMRW-R

Optimum	Optimum AcreMax Xtra (AMX-R)	AMX-R
Optimum	Optimum AcreMax Xtreme (AMXT-R)	AMXT-R
Optimum	Optimum AcreMax1 (AM1)	AM1
Optimum	Optimum Intrasect	INT
Optimum	Optimum Intrasect Xtra	INT-X
Optimum	Optimum Intrasect Xtreme	INT-XT
Optimum	Optimum Intrasect-AQUAmax	INT-AQUAmax
Optimum	Optimum TRIsect	TRI
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.

2019 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Agventure Pinnacle	Agventure	AV8216	N/A	Yellow	Pink		114
Agventure Pinnacle	Agventure	AV7516	N/A	Yellow	Red		114
Agventure Pinnacle	Agventure	A1548	Genuity DG VT Double PRO	Yellow	Red		115
Agventure Pinnacle	Agventure	1668	SmartStax	Yellow	Red		116
Agventure Pinnacle	Agventure	EXC1689	N/A	Yellow	Red		116
Agventure Pinnacle	Agventure	AV3411	N/A	Yellow	Red		111
Axis Texas	Axis	65H25	Genuity VT Double PRO	Yellow	Red	2575	115
Axis Texas	Axis	64N21	Genuity VT Double PRO	Yellow	Red	2840	114
Axis Texas	Axis	63D28	Genuity VT Double PRO	Yellow	Red	2790	113
Axis Texas	Axis	68T58	SmartStax	Yellow	Pink	2687	118
Axis Texas	Axis	66R55	SmartStax	Yellow	Red	2690	116
B-H Genetics	B-H Genetics	8721	N/A				
Corteva	Pioneer	P1464	Leptra	Yellow		1430	114
Corteva	Pioneer	P1395R	RR2				
Corteva	Pioneer	P1847	Leptra	Yellow		1390	118
Corteva	Pioneer	P1366	Optimum Intrasect	Yellow		2760	113
Corteva	Pioneer	P2089	Optimum Intrasect	Yellow		2910	120
LG Seeds	LG Seeds	5643	Genuity VT Double PRO RI	Yellow	Red	2842	114
LG Seeds	LG Seeds	68C88	Genuity VT Double PRO	Yellow	Red	2952	118
LG Seeds	LG Seeds	66C32	Genuity VT Double PRO	Yellow	Red	2904	116
LG Seeds	LG Seeds	5701	Genuity VT Double PRO	Yellow	Pink	2902	115

2019 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
LG Seeds	LG Seeds	67C45	SmartStax	Yellow	Red	2925	117
LG Seeds	LG Seeds	64C30	Genuity Trecepta	Yellow	Red	2828	114
Nutrien Ag	Dyna-Gro	D49VC70	Genuity VT Double PRO	Yellow	Pink	2590	109
Nutrien Ag	Dyna-Gro	D56VC46	Genuity VT Double PRO	Yellow	Red	2790	116
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	D52SS63	SmartStax	Yellow	Red	2700	112
Nutrien Ag	Dyna-Gro	D54VC14	Genuity VT Double PRO	Yellow	Red	2710	114
Nutrien Ag	Dyna-Gro	D52VC91	Genuity VT Double PRO	Yellow	Pink	2680	112
Nutrien Ag	Dyna-Gro	D57VC17	Genuity VT Double PRO	Yellow		2830	117
Nutrien Ag	Dyna-Gro	D55VC80	Genuity VT Double PRO				
Nutrien Ag	Dyna-Gro	D55VC45	Genuity VT Double PRO				
Nutrien Ag	Dyna-Gro	D54SS74	SmartStax	Yellow	Pink	2720	114
Nutrien Ag	Dyna-Gro	D57VC51	Genuity VT Double PRO	Yellow	Red	2810	117
Nutrien Ag	Dyna-Gro	D53TC19	Genuity Trecepta	Yellow	Pink	2690	112
Nutrien Ag	Dyna-Gro	D52VC63	Genuity VT Double PRO	Yellow	Pink	2700	112
Nutrien Ag	Dyna-Gro	D52VC50	Genuity VT Double PRO	Yellow	Pink	2660	112
Nutrien Ag	Dyna-Gro	D52VC15	Genuity VT Double PRO	Yellow	Pink	2660	112
Nutrien Ag	Dyna-Gro	D51VC67	Genuity VT Double PRO	Yellow	Pink	2630	110
Nutrien Ag	Dyna-Gro	D50VC30	Genuity VT Double PRO	Yellow	Pink	2610	110
Nutrien Ag	Dyna-Gro	D53VC33	Genuity VT Double PRO	Yellow	Pink	2700	113

2019 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Progeny Ag Products	Progeny	PGY8116	SmartStax	Yellow	Red	2772	116
Progeny Ag Products	Progeny	EXP1915	SmartStax	Yellow	Red		115
Progeny Ag Products	Progeny	EXP1918	Genuity VT Double PRO	Yellow	Red		118
Progeny Ag Products	Progeny	EXP1913	Genuity VT Double PRO	Yellow	Red		113
Progeny Ag Products	Progeny	PGY9114	Genuity VT Double PRO	Yellow	Red		114
Progeny Ag Products	Progeny	PGY6119	Genuity VT Double PRO	Yellow	Red	2722	119
Progeny Ag Products	Progeny	PGY9117	Genuity VT Double PRO	Yellow	Red		117
Terral Seed, Inc.	REV	25LPR26	Leptra	Yellow	Red		115
Terral Seed, Inc.	REV	25LPR89	Leptra	Yellow	Red		115
Terral Seed, Inc.	REV	24LPR70	Leptra	Yellow	Red		114
Terral Seed, Inc.	REV	26BHR30	Optimum Intrasect	Yellow	Red		116
Wilbur-Ellis Company	Integra	6720	Genuity DG VT Double PRO	Yellow	Red	2970	117
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	CX801115	Genuity DG VT Double PRO	Yellow	Red	2765	115

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
Agventure Pinnacle	Agventure	Leif Hansen 1457 E. 9th St. Minden, NE 68959	308-832-1050	leif.hansen@avpinnacle.com
Axis Texas	Axis	Chad Wetzel P.O. Box 577 Tom Bean, TX 75489	903-357-0697	chad@axistexas.com
Corteva	Pioneer	Slade Price 4312 Bratton Rd Corpus Christi, TX 78413	361-815-8570	slade.price@pioneer.com
LG Seeds	LG Seeds	Chris Sheppard 205 Old Hewitt Rd Waco, TX 76712	254-761-9838	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 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
Terral Seed, Inc.	REV	Marty Hale 117 Ellington Dr Rayville, LA 71269	318-231-8800	mhale@terralseed.com
Wilbur-Ellis Company	Integra	Aaron Peterson 2009 Dana Ln Papillion, NE 68133	402-290-0373	apetersen@wilburellis.com

Monte Alto 2019 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						
Plant Date	3/7/2019		C.V. %						
Harvest Date			P>f (hybrid)						
Irrigated	Yes		L.S.D.						
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*A single weather event with 60+ mph winds and 10"+ of rain on June 23 destroyed the entire field. Harvest by hand or machine was not possible. Hybrid yield data will not be published.							
Seeds per Acre	30,000	Cooperator <input type="text" value="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 ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505							
N (lb/ac)	176								
P2O5 (lb/ac)	55								
K2O (lb/ac)	0								
Precipitation (in)	18.18								
Irrigation (in)	12	Soil Type	Clay loam						
Herbicide	1.6 pt/ac Dual & 1.5 lb/ac Atrazine applied pre-emerge	Tillage	Conventional; cultivated 4/20						
		Previous Crop	Corn						

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

Sinton 2019 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	CX801115	Genuity DG VT Double PRO	N/A	86	30	25,160	13.6	55.7	163
LG Seeds	64C30	Genuity Trecepta	N/A	85	33	26,286	14.5	57.2	162
Dyna-Gro	D57VC51	Genuity VT Double PRO	N/A	86	32	24,559	15.4	56.2	160
REV	25LPR89	Leptra	N/A	88	32	24,634	13.1	56.9	160
Progeny	PGY6119	Genuity VT Double PRO	N/A	84	31	26,211	16.2	58.1	159
REV	26BHR30	Optimum Intrasect	N/A	90	33	25,635	15.5	58.4	158
Dyna-Gro	D58SS65	Genuity SmartStax	N/A	82	29	25,986	15.5	58.1	156
Dyna-Gro	D54VC14	Genuity VT Double PRO	N/A	83	28	25,685	14.6	57.5	156
B-H Genetics	8721	N/A	N/A	85	32	25,460	15.5	57.7	156
Progeny	EXP1918	Genuity VT Double PRO	N/A	84	29	26,737	15.6	56.8	156
LG Seeds	67C45	SmartStax	N/A	84	33	24,709	16.1	57.9	155
Integra	6410	SmartStax	N/A	82	29	25,335	13.8	58.0	155
Integra	6720	Genuity DG VT Double PRO	N/A	81	32	25,836	16.8	58.1	155
Progeny	PGY9117	Genuity VT Double PRO	N/A	85	32	25,235	15.2	57.8	153
Progeny	PGY9114	Genuity VT Double PRO	N/A	83	27	25,735	14.6	57.0	153
Integra	6695	Genuity Trecepta	N/A	84	33	26,361	14.9	57.1	153
LG Seeds	68C88	Genuity VT Double PRO	N/A	85	32	25,635	15.7	57.3	151
Integra	6533	Genuity VT Double PRO	N/A	85	31	25,535	15.5	57.3	150
Integra	6588	Genuity VT Double PRO	N/A	85	34	25,385	16.6	57.3	149
REV	24LPR70	Leptra	N/A	78	30	26,512	13.1	56.6	148
Dyna-Gro	D56VC46	Genuity VT Double PRO	N/A	88	32	25,685	17.6	56.3	148

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



Sinton 2019 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	D57VC17	Genuity VT Double PRO	N/A	85	32	27,037	17.1	58.3	147
Pioneer	P1395R	RR2	N/A	84	31	25,385	14.1	58.1	145
Progeny	PGY8116	SmartStax	N/A	86	35	26,036	17.2	58.9	144
Progeny	EXP1915	SmartStax	N/A	82	30	26,587	16.3	59.5	143
Progeny	EXP1913	Genuity VT Double PRO	N/A	84	34	25,460	14.7	56.5	141

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

Sinton

2019 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	3/14/2019	Mean		84	31	25,724	15.3	57.5	153
Harvest Date	7/18/2019	C.V. %		2.5	8.5	4.7	5.0	1.6	5.8
Irrigated	No	P>f (hybrid)		0.000	0.006	0.491	0.000	0.000	0.067
Row Spacing (in)	30	L.S.D.		3.0	3.7		1.2	1.4	
Number of Rows	2	Trial Notes							
Seeds per Acre	26,000	<p>Cooperator Ring Brothers</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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>							
N (lb/ac)									
P2O5 (lb/ac)									
K2O (lb/ac)									
Precipitation (in)	11.81								
Irrigation (in)		Soil Type	Clay						
Herbicide		Tillage							
		Previous Crop							

*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
Progeny Ag Products	Progeny	PGY6119	109	131
Nutrien Ag	Dyna-Gro	D56VC46	107	
Wilbur-Ellis Company	Integra	6533	105	
Terral Seed, Inc.	REV	25LPR89	104	
Nutrien Ag	Dyna-Gro	D57VC51	103	
LG Seeds	LG Seeds	68C88	101	
Nutrien Ag	Dyna-Gro	D58SS65	100	118
Wilbur-Ellis Company	Integra	6588	98	
Nutrien Ag	Dyna-Gro	D54VC14	97	

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 2019 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)
REV	25LPR89	Leptra	70	78	26	21,371	15.0	59.3	126
REV	26BHR30	Optimum Intrasect	71	77	26	20,634	18.3	58.9	121
Integra	6410	SmartStax	70	72	23	21,555	15.9	59.6	119
Dyna-Gro	D54VC14	Genuity VT Double PRO	70	71	22	21,064	17.1	57.9	118
LG Seeds	5701	Genuity VT Double PRO	71	74	27	21,493	17.7	56.5	118
Dyna-Gro	D58SS65	Genuity SmartStax	71	71	24	20,879	17.5	58.5	117
Integra	6695	Genuity Trecepta	69	74	28	20,081	15.9	58.5	113
Progeny	PGY6119	Genuity VT Double PRO	70	72	24	19,958	18.0	58.6	111
Integra	6720	Genuity DG VT Double PRO	71	75	27	21,432	19.0	58.1	111
B-H Genetics	8721	N/A	71	79	25	19,283	16.7	57.3	111
Progeny	PGY8116	SmartStax	71	77	29	21,555	19.2	59.6	110
Progeny	PGY9117	Genuity VT Double PRO	71	75	25	20,449	19.2	57.7	110
Dyna-Gro	D57VC51	Genuity VT Double PRO	71	74	25	20,941	17.9	57.0	110
Dyna-Gro	D57VC17	Genuity VT Double PRO	71	76	29	20,388	18.3	58.4	109
LG Seeds	67C45	SmartStax	71	75	27	19,774	17.5	58.0	109
LG Seeds	64C30	Genuity Trecepta	70	77	27	19,774	15.8	58.6	108
Integra	CX801115	Genuity DG VT Double PRO	70	76	23	19,835	16.7	56.0	107
LG Seeds	68C88	Genuity VT Double PRO	71	77	27	19,897	18.9	56.7	106
Progeny	EXP1915	SmartStax	70	75	26	20,879	19.6	59.1	103
Integra	6533	Genuity VT Double PRO	69	75	28	19,528	17.3	57.4	98
Integra	6588	Genuity VT Double PRO	71	78	26	19,467	19.7	57.6	97

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



Port Lavaca 2019 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	P1395R	RR2	71	73	23	19,774	17.5	58.6	95
REV	24LPR70	Leptra	71	69	22	20,204	15.5	56.8	93
Dyna-Gro	D56VC46	Genuity VT Double PRO	71	71	25	19,283	19.0	56.1	90

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

Port Lavaca 2019 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	74	25	20,396	17.6	57.9	109	
Plant Date	3/12/2019		C.V. %	0.8	2.3	9.3	6.5	5.9	2.8	8.1	
Harvest Date	7/22/2019		P>f (hybrid)	0.000	0.000	0.001	0.180	0.000	0.051	0.000	
Irrigated	No		L.S.D.	0.8	2.4	3.3	1.5	2.3	12.5		
Row Spacing (in)	38	Trial Notes									
Number of Rows	2	<div style="border: 1px solid gray; height: 100px; width: 100%;"></div>									
Seeds per Acre	24,000										
N (lb/ac)											
P2O5 (lb/ac)											
K2O (lb/ac)											
Precipitation (in)	16.31	<div style="border: 1px solid gray; height: 100px; width: 100%;"></div>									
Irrigation (in)											
Herbicide											
		Soil Type	Clay								
		Tillage									
		Previous Crop									
			Cooperator Jim Hayes							<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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>	

*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
Terral Seed, Inc.	REV	25LPR89	114	
Nutrien Ag	Dyna-Gro	D54VC14	114	
LG Seeds	LG Seeds	5701	113	
Progeny Ag Products	Progeny	PGY6119	112	124
Nutrien Ag	Dyna-Gro	D58SS65	109	117
Progeny Ag Products	Progeny	PGY8116	108	
LG Seeds	LG Seeds	68C88	108	
Nutrien Ag	Dyna-Gro	D57VC51	107	
Wilbur-Ellis Company	Integra	6533	106	117
Wilbur-Ellis Company	Integra	6588	102	
Nutrien Ag	Dyna-Gro	D56VC46	101	

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 2019 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	65	89	36	23,808	14.7	58.1	186
Dyna-Gro	D57VC51	Genuity VT Double PRO	65	88	37	23,432	15.0	58.1	182
REV	25LPR89	Leptra	65	93	39	23,432	13.1	58.2	176
Progeny	PGY9117	Genuity VT Double PRO	65	87	34	23,939	15.0	58.6	175
REV	26BHR30	Optimum Intrasect	66	92	37	23,714	15.0	60.3	175
Dyna-Gro	D58SS65	Genuity SmartStax	66	83	34	23,939	14.8	59.0	174
B-H Genetics	8721	N/A	65	88	35	23,038	14.9	59.2	173
Integra	6695	Genuity Trecepta	63	84	35	24,108	14.1	58.9	173
Dyna-Gro	D57VC17	Genuity VT Double PRO	66	86	37	25,235	15.4	59.1	173
LG Seeds	64C30	Genuity Trecepta	64	91	36	23,432	13.6	57.5	172
Dyna-Gro	D54VC14	Genuity VT Double PRO	64	86	35	23,357	13.9	58.2	172
Progeny	EXP1915	SmartStax	65	85	36	24,409	15.2	60.1	171
Progeny	EXP1918	Genuity VT Double PRO	64	87	35	23,545	14.0	58.2	170
Integra	6720	Genuity DG VT Double PRO	65	88	37	23,883	15.5	59.0	170
Progeny	PGY8116	SmartStax	66	90	40	24,671	15.3	59.8	168
Integra	6533	Genuity VT Double PRO	63	85	35	23,282	14.6	58.4	167
Dyna-Gro	D56VC46	Genuity VT Double PRO	65	85	37	23,357	16.0	57.6	165
LG Seeds	68C88	Genuity VT Double PRO	64	88	38	23,582	15.3	58.5	164
REV	24LPR70	Leptra	65	83	33	23,432	13.8	58.4	164
Integra	6588	Genuity VT Double PRO	64	90	38	23,996	15.6	58.5	162
LG Seeds	67C45	SmartStax	67	87	38	24,897	15.7	59.6	162

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



Wharton 2019 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	CX801115	Genuity DG VT Double PRO	64	85	35	22,982	12.9	56.5	161
Integra	6410	SmartStax	65	84	34	23,714	13.8	58.5	161
Pioneer	P1395R	RR2	65	90	35	23,827	13.7	58.2	159
Progeny	PGY6119	Genuity VT Double PRO	65	86	37	23,545	15.0	59.1	157

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

Wharton 2019 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	65	87	36	23,782	14.6	58.6	169
Plant Date	3/19/2019		C.V. %	0.8	2.3	5.2	3.3	2.7	0.8	3.8
Harvest Date	8/6/2019		P>f (hybrid)	0.000	0.000	0.000	0.039	0.000	0.000	0.000
Irrigated	No		L.S.D.	0.8	3.1	2.9	1,192.8	0.6	0.7	9.8
Row Spacing (in)	40	Trial Notes								
Number of Rows	2									
Seeds per Acre	24,000									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	29.84									
Irrigation (in)										
Herbicide										
		Soil Type	Clemville-Norwood Complex							
		Tillage								
		Previous Crop	Corn							
		Cooperator		Larry & Clint Kalina						
		<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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>								

*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
Terral Seed, Inc.	REV	25LPR89	169	
Nutrien Ag	Dyna-Gro	D57VC51	166	
LG Seeds	LG Seeds	5701	166	
Nutrien Ag	Dyna-Gro	D54VC14	164	
LG Seeds	LG Seeds	68C88	162	
Nutrien Ag	Dyna-Gro	D58SS65	159	142
Nutrien Ag	Dyna-Gro	D56VC46	159	
Progeny Ag Products	Progeny	PGY8116	158	
Wilbur-Ellis Company	Integra	6533	155	145
Progeny Ag Products	Progeny	PGY6119	149	142
Wilbur-Ellis Company	Integra	6588	144	

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

2019 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)
REV	26BHR30	Optimum Intrasect	74	97	43	29,056	12.9	61.8	222
Pioneer	P1847	Leptra	74	98	45	29,979	12.0	60.6	220
Dyna-Gro	D57VC51	Genuity VT Double PRO	74	97	45	30,600	12.8	61.1	220
Integra	CX801115	Genuity DG VT Double PRO	71	95	43	30,104	11.1	58.8	220
Dyna-Gro	D56VC46	Genuity VT Double PRO	73	93	43	30,639	14.9	60.0	219
Progeny	PGY9114	Genuity VT Double PRO	71	92	41	29,374	11.8	60.9	219
REV	25LPR89	Leptra	73	100	46	30,472	11.0	60.0	214
Progeny	PGY6119	Genuity VT Double PRO	73	93	45	29,165	13.6	61.5	214
Dyna-Gro	D54VC14	Genuity VT Double PRO	72	92	42	30,041	11.6	60.4	213
Integra	6720	Genuity DG VT Double PRO	74	94	49	29,666	14.2	60.5	211
LG Seeds	67C45	SmartStax	75	93	45	30,167	14.6	60.9	211
Progeny	EXP1918	Genuity VT Double PRO	71	94	42	29,290	12.1	59.5	210
LG Seeds	64C30	Genuity Trecepta	72	94	45	29,629	11.8	60.1	210
Dyna-Gro	D57VC17	Genuity VT Double PRO	75	92	45	30,532	13.6	60.9	209
Integra	6695	Genuity Trecepta	71	92	43	30,855	11.7	60.9	209
Pioneer	P1366	Optimum Intrasect	71	93	42	29,290	10.4	59.4	208
LG Seeds	66C32	Genuity VT Double PRO	74	89	39	29,603	11.8	60.2	207
Integra	6533	Genuity VT Double PRO	73	93	43	29,123	13.1	60.9	206
Progeny	PGY8116	SmartStax	75	93	47	29,916	14.0	61.0	206
Pioneer	P1464	Leptra	75	96	48	30,229	12.0	60.9	206
REV	24LPR70	Leptra	73	90	43	29,353	11.1	60.6	205

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



Hondo

2019 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	P2089	Optimum Intrasect	75	103	46	29,040	11.3	59.3	205
B-H Genetics	8721	N/A	73	98	42	29,754	12.8	61.3	204
Pioneer	P1395R	RR2	73	97	43	29,728	11.6	60.3	204
Progeny	PGY9117	Genuity VT Double PRO	72	98	42	28,664	12.7	61.0	203
Integra	6410	SmartStax	72	90	40	29,791	11.5	60.4	203
LG Seeds	68C88	Genuity VT Double PRO	73	96	44	29,434	14.0	59.2	199
Progeny	EXP1915	SmartStax	73	95	42	30,229	13.3	61.6	199
Progeny	EXP1913	Genuity VT Double PRO	73	95	46	28,664	11.7	59.6	198
Dyna-Gro	D58SS65	Genuity SmartStax	75	91	42	28,854	12.3	60.8	198
Integra	6588	Genuity VT Double PRO	74	97	46	29,512	13.9	59.2	192

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

Hondo

2019 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	73	94	44	29,702	12.5	60.4	208
Plant Date	3/11/2019		C.V. %	0.6	2.6	6.1	4.4	4.5	0.9	4.7
Harvest Date	8/5/2019		P>f (hybrid)	0.000	0.000	0.000	0.762	0.000	0.000	0.002
Irrigated	Yes		L.S.D.	0.6	3.6	3.9		0.8	0.8	14.3
Row Spacing (in)	36	Trial Notes								
Number of Rows	2	*5 lb/ac Sulfur applied *6 oz/ac Approach fungicide applied @ V6 *Aerial application of Travapro fungicide & 4 oz/ac Oberon miticide applied @ R2								
Seeds per Acre	30,000									
N (lb/ac)	200									
P2O5 (lb/ac)	60									
K2O (lb/ac)	5	Cooperator Nelson Reus								
Precipitation (in)	12.57									
Irrigation (in)	11	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								
Herbicide	32 oz/ac Roundup									
		Soil Type	Clay							
		Tillage	Disc ripped, then strip-tilled							
		Previous Crop	Cotton							

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

College Station 2019 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	70	75	27	27,173	15.5	57.4	188
Progeny	PGY9117	Genuity VT Double PRO	69	73	24	29,766	15.8	57.2	183
LG Seeds	64C30	Genuity Trecepta	67	77	27	27,069	17.3	56.8	181
LG Seeds	67C45	SmartStax	70	76	27	26,447	19.8	56.2	181
REV	26BHR30	Optimum Intrasect	71	71	24	28,625	16.0	58.2	179
Progeny	EXP1913	Genuity VT Double PRO	68	74	28	30,181	17.4	56.7	178
Integra	6588	Genuity VT Double PRO	70	75	27	27,795	19.6	58.1	176
Integra	CX801115	Genuity DG VT Double PRO	68	73	26	29,144	17.0	56.0	176
Integra	6720	Genuity DG VT Double PRO	69	72	26	29,559	19.5	55.8	175
LG Seeds	68C88	Genuity VT Double PRO	69	79	26	28,210	19.5	54.4	174
Axis	66R55	SmartStax	69	74	24	29,247	19.5	54.9	172
Progeny	PGY6119	Genuity VT Double PRO	68	72	24	27,899	18.4	56.6	172
Integra	6533	Genuity VT Double PRO	68	72	25	28,003	19.0	55.8	172
Dyna-Gro	D57VC17	Genuity VT Double PRO	69	68	27	29,662	19.0	56.3	171
Dyna-Gro	D58SS65	Genuity SmartStax	69	66	25	27,588	15.5	54.9	170
Progeny	PGY8116	SmartStax	70	75	28	27,277	18.1	57.5	168
Integra	6695	Genuity Trecepta	67	72	25	28,210	16.4	58.1	167
Dyna-Gro	D56VC46	Genuity VT Double PRO	69	70	26	28,107	16.9	56.2	166
Integra	6410	SmartStax	68	67	24	28,003	15.6	57.3	165
Axis	63D28	Genuity VT Double PRO	68	75	26	29,144	14.5	57.3	164
Axis	68T58	SmartStax	68	69	23	27,069	16.3	57.3	159

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

College Station 2019 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)
REV	25LPR89	Leptra	68	80	24	28,625	15.0	57.4	159
Progeny	EXP1918	Genuity VT Double PRO	67	71	21	27,381	16.7	57.5	159
Dyna-Gro	D54VC14	Genuity VT Double PRO	68	70	21	27,069	15.8	57.1	153
B-H Genetics	8721	N/A	69	73	24	28,314	18.0	56.4	148
Pioneer	P1395R	RR2	70	78	24	28,003	15.5	57.6	146
Progeny	PGY9114	Genuity VT Double PRO	67	69	22	24,684	16.2	57.2	146
REV	24LPR70	Leptra	69	71	22	27,173	15.5	56.5	145
Progeny	EXP1915	SmartStax	69	71	26	30,596	20.1	57.1	140
LG Seeds	66C32	Genuity VT Double PRO	69	68	24	27,277	15.9	57.5	139

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

College Station

2019 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	69	72	25	28,110	17.2	56.8	166
Plant Date	3/20/2019		C.V. %	1.3	5.2	12.5	7.2	6.7	2.5	10.5
Harvest Date	7/30/2019		P>f (hybrid)	0.000	0.000	0.093	0.089	0.000	0.202	0.001
Irrigated	Yes		L.S.D.	1.2	5.3			1.6		24.4
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	<p>Cooperator: Texas A&M AgriLife Research</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. 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									
N (lb/ac)	250									
P2O5 (lb/ac)	0									
K2O (lb/ac)	0									
Precipitation (in)	29.59	Soil Type	Clay							
Irrigation (in)	0	Tillage								
Herbicide		Previous Crop	Corn							

*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
Nutrien Ag	Dyna-Gro	D56VC46	190	
Nutrien Ag	Dyna-Gro	D57VC51	189	
Progeny Ag Products	Progeny	PGY6119	189	202
Progeny Ag Products	Progeny	PGY8116	186	
LG Seeds	LG Seeds	68C88	185	
Terral Seed, Inc.	REV	25LPR89	185	
Nutrien Ag	Dyna-Gro	D58SS65	184	200
Wilbur-Ellis Company	Integra	6533	181	198
Wilbur-Ellis Company	Integra	6588	181	
LG Seeds	LG Seeds	66C32	172	
Nutrien Ag	Dyna-Gro	D54VC14	163	

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

Thrall

2019 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)
REV	26BHR30	Optimum Intrasect	70	88	26	22,907	11.4	60.6	184
Progeny	PGY6119	Genuity VT Double PRO	69	84	27	22,831	11.4	59.9	172
Integra	CX801115	Genuity DG VT Double PRO	68	83	25	21,930	11.1	57.5	170
Progeny	PGY8116	SmartStax	70	84	29	22,231	11.7	60.3	167
Axis	63D28	Genuity VT Double PRO	68	84	26	20,729	11.0	58.2	166
LG Seeds	64C30	Genuity Trecepta	68	84	30	20,053	11.2	58.4	165
Progeny	EXP1915	SmartStax	70	79	25	22,907	11.9	61.4	165
Dyna-Gro	D54VC14	Genuity VT Double PRO	69	79	27	21,930	11.3	60.0	164
LG Seeds	67C45	SmartStax	70	81	29	20,929	11.6	58.7	163
REV	25LPR89	Leptra	69	89	25	21,705	11.2	58.6	163
Progeny	EXP1918	Genuity VT Double PRO	69	83	26	21,530	11.4	58.6	160
Dyna-Gro	D57VC17	Genuity VT Double PRO	70	82	26	22,456	11.8	59.5	159
Integra	6588	Genuity VT Double PRO	69	84	26	21,254	11.5	59.8	158
Dyna-Gro	D56VC46	Genuity VT Double PRO	70	79	25	21,029	11.6	58.8	157
Integra	6695	Genuity Trecepta	68	81	28	22,005	11.2	59.7	156
Integra	6533	Genuity VT Double PRO	67	80	28	21,104	11.4	59.2	154
Progeny	EXP1913	Genuity VT Double PRO	70	83	29	20,954	11.6	58.9	153
Dyna-Gro	D57VC51	Genuity VT Double PRO	69	78	24	20,578	11.0	58.2	153
Integra	6720	Genuity DG VT Double PRO	70	81	26	20,203	11.6	60.0	152
Dyna-Gro	D58SS65	Genuity SmartStax	69	78	25	21,930	11.3	59.1	151
Dyna-Gro	D52SS63	SmartStax	69	78	24	22,005	11.4	58.5	149

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



Thrall 2019 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)
Axis	64N21	Genuity VT Double PRO	68	80	25	20,278	11.4	59.6	149
B-H Genetics	8721	N/A	70	84	25	19,452	11.1	59.0	148
Integra	6410	SmartStax	69	75	23	21,855	11.2	58.9	148
Axis	66R55	SmartStax	71	85	27	19,627	11.7	60.6	147
Progeny	PGY9114	Genuity VT Double PRO	69	78	25	20,729	11.2	58.8	146
Axis	65H25	Genuity VT Double PRO	68	83	28	20,053	11.3	59.0	143
LG Seeds	68C88	Genuity VT Double PRO	70	86	28	20,528	11.4	59.2	143
Pioneer	P1395R	RR2	71	86	25	21,104	11.5	59.3	143
REV	24LPR70	Leptra	69	77	23	21,855	11.2	58.4	139

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

Thrall

2019 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	69	82	26	21,289	11.4	59.2	156
Plant Date	3/26/2019		C.V. %	1.8	4.7	11.8	7.8	1.4	0.8	9.1
Harvest Date	8/20/2019		P>f (hybrid)	0.004	0.000	0.241	0.188	0.000	0.000	0.012
Irrigated	No		L.S.D.	1.8	5.4			0.2	0.7	21.2
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	*15lb/ac Sulfur applied at planting								
Seeds per Acre	24,000									
N (lb/ac)	200									
P2O5 (lb/ac)	30									
K2O (lb/ac)	40									
Precipitation (in)	25.89									
Irrigation (in)										
Herbicide										
1 qt/ac Atrazine + 1.33 pt/ac Dual + 1 qt/ac Roundup + 2 oz/ac Sharpen applied pre-emerge. 14 oz/ac Outlook + Roundup applied 4/23/19		Soil Type	Clay							
		Tillage								
		Previous Crop	Sesame							
			Cooperator			Stiles Farm Foundation				
			<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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>							

*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
Progeny Ag Products	Progeny	PGY6119	111	
Nutrien Ag	Dyna-Gro	D54VC14	110	
Progeny Ag Products	Progeny	PGY8116	108	
Wilbur-Ellis Company	Integra	6588	106	
Terral Seed, Inc.	REV	25LPR89	102	
Nutrien Ag	Dyna-Gro	D56VC46	101	
Nutrien Ag	Dyna-Gro	D52SS63	99	
Nutrien Ag	Dyna-Gro	D58SS65	97	96
Wilbur-Ellis Company	Integra	6533	95	91
Nutrien Ag	Dyna-Gro	D57VC51	93	

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 2019 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)
REV	25LPR89	Leptra	73	96	31	23,087	9.5	57.7	203
Integra	6588	Genuity VT Double PRO	73	91	33	23,522	11.8	59.2	189
Progeny	PGY9114	Genuity VT Double PRO	71	88	29	23,014	10.3	58.5	189
Integra	CX801115	Genuity DG VT Double PRO	72	91	31	23,087	9.4	57.0	188
REV	26BHR30	Optimum Intrasect	75	93	33	22,651	10.5	60.0	187
Progeny	PGY8116	SmartStax	75	94	32	24,286	11.4	59.0	182
Progeny	EXP1913	Genuity VT Double PRO	74	92	31	25,452	9.9	57.2	180
Dyna-Gro	D54VC14	Genuity VT Double PRO	72	87	28	23,915	10.7	58.4	180
Dyna-Gro	D57VC17	Genuity VT Double PRO	74	89	33	24,676	11.4	59.1	179
Progeny	EXP1918	Genuity VT Double PRO	71	89	29	23,159	10.3	57.1	179
Progeny	EXP1915	SmartStax	74	88	29	24,821	11.6	60.5	177
Integra	6410	SmartStax	74	88	28	23,818	10.2	57.9	175
Integra	6695	Genuity Trecepta	70	88	32	23,958	10.6	58.9	175
Dyna-Gro	D58SS65	Genuity SmartStax	75	88	29	23,450	10.1	57.5	174
Axis	68T58	SmartStax	74	92	33	22,869	10.5	58.9	174
LG Seeds	64C30	Genuity Trecepta	73	95	34	23,287	10.2	58.4	174
Integra	6533	Genuity VT Double PRO	72	92	33	23,305	9.7	57.6	173
Dyna-Gro	D57VC51	Genuity VT Double PRO	74	95	33	23,522	9.7	57.3	173
LG Seeds	5701	Genuity VT Double PRO	74	93	32	23,595	10.5	57.5	172
B-H Genetics	8721	N/A	74	95	31	23,159	10.0	58.6	172
LG Seeds	67C45	SmartStax	75	92	32	23,522	10.4	57.7	171

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



Bardwell 2019 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	PGY6119	Genuity VT Double PRO	74	91	30	22,070	11.0	58.6	169
Dyna-Gro	D52SS63	SmartStax	72	90	28	23,305	10.0	57.6	168
Dyna-Gro	D56VC46	Genuity VT Double PRO	73	90	31	22,869	10.2	57.3	168
Pioneer	P1395R	RR2	73	94	31	23,958	10.2	59.1	167
LG Seeds	68C88	Genuity VT Double PRO	73	92	34	23,377	11.7	59.0	166
Integra	6720	Genuity DG VT Double PRO	75	90	33	23,159	11.5	58.9	163
Axis	64N21	Genuity VT Double PRO	70	87	30	23,159	9.7	57.8	161
Progeny	PGY9117	Genuity VT Double PRO	74	92	31	23,332	9.9	57.5	157
REV	24LPR70	Leptra	73	87	30	23,377	9.8	57.7	156

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

Bardwell 2019 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	73	91	31	23,492	10.4	58.2	175
Plant Date	<input type="text" value="3/21/2019"/>		C.V. %	1.2	3.0	8.7	4.3	7.1	1.7	7.8
Harvest Date	<input type="text" value="8/19/2019"/>		P>f (hybrid)	0.000	0.000	0.033	0.022	0.000	0.000	0.003
Irrigated	<input type="text" value="No"/>		L.S.D.	1.2	3.9	3.8	1,416.2	1.0	1.4	19.2
Row Spacing (in)	<input type="text" value="30"/>	Trial Notes								
Number of Rows	<input type="text" value="2"/>	<div style="text-align: right; margin-bottom: 10px;">Cooperator <input type="text" value="Bob & Steven Beakley"/></div> <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. 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	<input type="text" value="24,000"/>									
N (lb/ac)	<input type="text"/>									
P2O5 (lb/ac)	<input type="text"/>									
K2O (lb/ac)	<input type="text"/>	Soil Type	<input type="text" value="Clay"/>							
Precipitation (in)	<input type="text" value="33.11"/>	Tillage	<input type="text"/>							
Irrigation (in)	<input type="text"/>	Previous Crop	<input type="text"/>							
Herbicide	<input type="text"/>									

*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
Terral Seed, Inc.	REV	25LPR89	140	
Wilbur-Ellis Company	Integra	6588	137	
Wilbur-Ellis Company	Integra	6533	133	148
Nutrien Ag	Dyna-Gro	D54VC14	133	
Progeny Ag Products	Progeny	PGY8116	132	
Nutrien Ag	Dyna-Gro	D56VC46	131	
Nutrien Ag	Dyna-Gro	D58SS65	129	147
Nutrien Ag	Dyna-Gro	D52SS63	128	
Progeny Ag Products	Progeny	PGY6119	128	
Nutrien Ag	Dyna-Gro	D57VC51	126	
LG Seeds	LG Seeds	5701	125	

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 2019 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	CX801115	Genuity DG VT Double PRO	75	80	26	23,595	10.2	57.6	128
LG Seeds	64C30	Genuity Trecepta	74	80	25	23,087	9.8	57.8	120
Dyna-Gro	D52SS63	SmartStax	74	74	23	22,779	10.2	57.6	120
Progeny	EXP1915	SmartStax	75	77	23	23,607	11.4	59.7	120
Integra	6695	Genuity Trecepta	72	75	23	22,579	10.7	59.0	119
REV	25LPR89	Leptra	75	79	22	22,796	10.1	57.6	118
Progeny	PGY8116	SmartStax	80	80	27	24,503	11.1	59.2	118
Progeny	EXP1918	Genuity VT Double PRO	75	74	24	22,216	10.9	57.7	117
Axis	68T58	SmartStax	78	75	25	22,579	11.3	59.5	117
Dyna-Gro	D54VC14	Genuity VT Double PRO	73	75	23	22,361	10.7	58.5	116
LG Seeds	67C45	SmartStax	80	76	24	22,796	9.8	57.2	115
B-H Genetics	8721	N/A	78	82	23	22,070	10.7	58.5	115
REV	26BHR30	Optimum Intrasect	80	80	21	23,087	10.9	59.0	115
REV	24LPR70	Leptra	78	74	21	22,630	9.5	57.2	114
Dyna-Gro	D57VC51	Genuity VT Double PRO	78	78	26	22,942	10.3	57.3	113
Progeny	PGY9114	Genuity VT Double PRO	73	76	25	22,869	9.5	57.6	111
Axis	65H25	Genuity VT Double PRO	76	79	25	21,551	10.6	58.3	109
Axis	64N21	Genuity VT Double PRO	74	76	25	22,869	9.8	57.5	109
Integra	6410	SmartStax	76	75	21	23,377	10.2	58.5	108
Pioneer	P1395R	RR2	82	77	24	23,377	11.4	58.8	108
Integra	6533	Genuity VT Double PRO	75	76	27	23,232	10.3	57.7	107

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

Greenville 2019 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	D58SS65	Genuity SmartStax	79	74	22	21,853	11.2	58.8	105
LG Seeds	68C88	Genuity VT Double PRO	79	82	28	23,087	11.1	59.2	103
Progeny	EXP1913	Genuity VT Double PRO	78	75	26	22,302	10.7	57.9	101
LG Seeds	66C32	Genuity VT Double PRO	77	77	22	23,841	10.3	57.9	101
Integra	6588	Genuity VT Double PRO	81	77	27	23,014	11.6	59.3	99
Dyna-Gro	D57VC17	Genuity VT Double PRO	78	75	26	22,658	11.0	58.5	99
Integra	6720	Genuity DG VT Double PRO	80	75	25	23,999	11.1	59.0	97
Progeny	PGY6119	Genuity VT Double PRO	77	76	21	21,624	10.6	58.1	95
Dyna-Gro	D56VC46	Genuity VT Double PRO	79	74	27	19,820	11.2	58.1	92

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

Greenville 2019 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	77	77	24	22,770	10.6	58.3	110	
Plant Date	3/28/2019		C.V. %	3.0	5.0	12.1	6.8	5.7	1.1	8.5	
Harvest Date	8/20/2019		P>f (hybrid)	0.000	0.039	0.010	0.201	0.000	0.000	0.000	
Irrigated	No		L.S.D.	3.5	5.3	4.1	0.9	0.9	0.9	13.2	
Row Spacing (in)	30	Trial Notes									
Number of Rows	2										
Seeds per Acre	24,000										
N (lb/ac)	150										
P2O5 (lb/ac)	10										
K2O (lb/ac)	2										
Precipitation (in)	32.88										
Irrigation (in)											
Herbicide											
Roundup and Atrazine at planting. Acuron and Atrazine when plants 10"		Soil Type	Clay								
		Tillage	Disked & field cultivated								
		Previous Crop	Sorghum								
			Cooperator							Texas A&M Commerce	
			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 Greenville Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Nutrien Ag	Dyna-Gro	D52SS63	115	
Nutrien Ag	Dyna-Gro	D54VC14	112	
Terral Seed, Inc.	REV	25LPR89	112	
Axis Texas	Axis	64N21	108	
Axis Texas	Axis	65H25	105	
Nutrien Ag	Dyna-Gro	D57VC51	104	
Nutrien Ag	Dyna-Gro	D58SS65	103	125
Wilbur-Ellis Company	Integra	6533	101	133
LG Seeds	LG Seeds	66C32	100	
Wilbur-Ellis Company	Integra	6588	99	
Nutrien Ag	Dyna-Gro	D56VC46	97	

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 2019 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	78	110	52	33,535	16.8	56.7	336
LG Seeds	67C45	SmartStax	77	106	50	33,387	17.2	56.3	333
Integra	6588	Genuity VT Double PRO	77	110	47	33,202	17.1	56.0	324
B-H Genetics	8721	N/A	75	113	47	32,927	14.9	57.2	320
Dyna-Gro	D54SS74	SmartStax	75	106	45	32,908	14.3	56.5	318
Integra	CX801115	Genuity DG VT Double PRO	74	111	48	32,162	14.8	55.6	317
Integra	6720	Genuity DG VT Double PRO	75	109	49	31,363	17.1	56.8	316
REV	26BHR30	Optimum Intrasect	77	111	50	32,762	16.0	57.6	316
Agventure	AV7516	N/A	77	114	49	32,234	15.3	58.9	316
Dyna-Gro	D58VC65	Genuity VT Double PRO	75	106	45	32,809	15.8	56.6	314
Integra	6695	Genuity Trecepta	73	110	47	33,299	14.2	57.3	311
Agventure	A1548	Genuity DG VT Double PRO	74	107	46	31,733	14.4	56.1	309
Agventure	1668	SmartStax	75	109	44	32,868	15.4	56.2	309
Dyna-Gro	D53TC19	Genuity Trecepta	74	107	48	31,053	13.1	55.9	309
Integra	6533	Genuity VT Double PRO	74	109	48	32,987	15.1	57.0	307
Agventure	EXC1689	N/A	78	102	45	32,769	14.8	57.3	306
Dyna-Gro	D54VC14	Genuity VT Double PRO	75	105	43	32,089	13.3	56.8	304
Dyna-Gro	D50VC30	Genuity VT Double PRO	75	114	48	32,234	11.3	57.6	302
Progeny	PGY9114	Genuity VT Double PRO	75	107	45	32,815	15.1	56.6	301
Dyna-Gro	D51VC67	Genuity VT Double PRO	73	105	43	32,622	11.9	55.3	301
Dyna-Gro	D55VC80	Genuity VT Double PRO	76	113	48	34,074	14.9	56.0	301

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

Dumas 2019 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	6410	SmartStax	75	105	46	32,912	15.1	57.1	301
Progeny	PGY9117	Genuity VT Double PRO	75	110	48	32,380	16.1	56.7	300
REV	25LPR26	Leptra	77	116	54	32,967	15.2	56.5	297
LG Seeds	5643	Genuity VT Double PRO RIB	75	112	49	33,299	13.4	57.0	296
Dyna-Gro	D52VC63	Genuity VT Double PRO	76	107	45	32,129	13.8	56.0	295
Pioneer	P1395R	RR2	76	113	45	33,106	15.4	58.2	294
LG Seeds	66C32	Genuity VT Double PRO	76	111	47	31,460	16.4	56.5	294
Agventure	AV8216	N/A	75	119	54	34,082	14.2	57.5	293
REV	24LPR70	Leptra	77	102	46	32,993	15.1	58.1	293
Dyna-Gro	D52VC15	Genuity VT Double PRO	74	111	45	33,178	11.6	57.2	292
Dyna-Gro	D55VC45	Genuity VT Double PRO	76	107	47	33,106	15.8	57.1	288
LG Seeds	64C30	Genuity Trecepta	73	110	48	32,076	14.7	56.1	284
Dyna-Gro	D53VC33	Genuity VT Double PRO	74	118	51	33,251	13.3	56.8	282
Dyna-Gro	D57VC17	Genuity VT Double PRO	76	110	48	32,525	17.3	56.4	282
Agventure	AV3411	N/A	75	105	45	28,400	12.1	58.1	277
Progeny	EXP1915	SmartStax	75	105	46	32,815	16.4	58.2	277
Dyna-Gro	D52VC91	Genuity VT Double PRO	74	109	44	32,736	14.5	58.0	267
Dyna-Gro	D52VC50	Genuity VT Double PRO	74	106	45	32,525	12.7	57.6	259
Dyna-Gro	D49VC70	Genuity VT Double PRO	73	103	39	32,173	12.7	57.2	254
Progeny	EXP1913	Genuity VT Double PRO	75	108	48	31,557	15.5	56.4	226

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

Dumas 2019 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	75	109	47	32,573	14.7	56.9	298	
Plant Date	5/1/2019		C.V. %	0.9	2.9	4.8	3.7	8.0	1.4	6.3	
Harvest Date	9/24/2019		P>f (hybrid)	0.000	0.000	0.000	0.001	0.000	0.000	0.000	
Irrigated	Yes		L.S.D.	1.0	4.8	3.4	1,830.6	1.7	1.1	26.2	
Row Spacing (in)	30	Trial Notes									
Number of Rows	2	*3 tons compost applied in fall									
Seeds per Acre	32,000	*6/20/19: 4 oz/ac Zolera FX + 1 qt/ac Everprex right after hail									
N (lb/ac)	267	*8/5/19: 21 oz/ac Prevathon									
P2O5 (lb/ac)	10										
K2O (lb/ac)	0										
Precipitation (in)	21.15										
Irrigation (in)	19.4										
Herbicide	4/4/19: 1.25qt/ac FulTime + 10oz/ac Sentrallas + 1qt/ac Atrazine + 10 oz/ac Detonate. 5/5/19: 1.25 qt/ac Resicore +1 qt/ac Atrazine + 32 oz/ac Abundit Edge	Soil Type	Clay loam								
		Tillage	Strip-tilled								
		Previous Crop	Cotton								
		Cooperator		Lone Star Family Farms							
		<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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>									

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

Sunray 2019 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)
REV	24LPR70	Leptra	77	97	47	32,121	16.3	60.5	293
Dyna-Gro	D57VC17	Genuity VT Double PRO	77	103	49	33,075	18.0	61.3	285
Dyna-Gro	D52VC63	Genuity VT Double PRO	76	102	47	32,636	14.9	58.4	282
Integra	6533	Genuity VT Double PRO	75	99	45	31,243	17.0	59.9	281
Progeny	EXP1915	SmartStax	76	100	47	35,102	17.8	62.4	279
Integra	6410	SmartStax	76	94	39	32,066	16.4	59.8	278
LG Seeds	67C45	SmartStax	78	102	49	31,326	17.3	59.2	277
Integra	6695	Genuity Trecepta	74	102	44	31,616	15.9	58.7	275
Dyna-Gro	D55VC80	Genuity VT Double PRO	77	103	52	32,731	16.4	59.3	273
Integra	6720	Genuity DG VT Double PRO	78	102	49	31,973	16.8	59.7	272
Progeny	PGY9117	Genuity VT Double PRO	76	106	49	31,756	18.0	59.8	270
Dyna-Gro	D54VC14	Genuity VT Double PRO	76	99	44	30,787	16.2	60.3	269
Integra	6588	Genuity VT Double PRO	77	103	50	31,685	17.6	60.3	269
Progeny	PGY8116	SmartStax	79	105	51	33,334	17.1	60.1	269
Dyna-Gro	D58VC65	Genuity VT Double PRO	76	96	44	31,208	17.2	59.7	268
Dyna-Gro	D53TC19	Genuity Trecepta	74	96	44	31,667	15.3	59.5	267
REV	26BHR30	Optimum Intrasect	78	106	45	30,006	18.8	61.7	266
Dyna-Gro	D54SS74	SmartStax	76	103	43	33,689	17.0	59.8	264
Progeny	EXP1913	Genuity VT Double PRO	76	101	47	32,375	14.7	59.0	264
Dyna-Gro	D52VC91	Genuity VT Double PRO	75	100	43	31,060	14.7	59.1	263
Integra	CX801115	Genuity DG VT Double PRO	75	101	44	29,879	16.1	59.5	262

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

Sunray

2019 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	D51VC67	Genuity VT Double PRO	75	99	40	30,494	14.9	57.0	262
B-H Genetics	8721	N/A	76	106	44	30,300	18.6	59.7	262
Dyna-Gro	D55VC45	Genuity VT Double PRO	78	101	49	32,294	16.5	60.7	260
Dyna-Gro	D52VC50	Genuity VT Double PRO	75	102	44	31,580	15.5	60.1	260
LG Seeds	5643	Genuity VT Double PRO RIB	76	102	46	31,432	16.6	57.8	259
Dyna-Gro	D52VC15	Genuity VT Double PRO	75	105	43	32,248	13.3	57.7	257
Dyna-Gro	D53VC33	Genuity VT Double PRO	74	108	48	32,293	14.7	59.7	252
LG Seeds	66C32	Genuity VT Double PRO	77	102	48	31,011	18.7	59.4	252
Pioneer	P1395R	RR2	77	102	43	31,076	16.5	61.9	251
Progeny	PGY9114	Genuity VT Double PRO	75	100	43	31,575	15.7	60.5	247
LG Seeds	64C30	Genuity Trecepta	75	101	45	28,044	16.4	58.6	244
REV	25LPR26	Leptra	78	107	51	31,594	16.5	60.4	238
Dyna-Gro	D49VC70	Genuity VT Double PRO	74	99	39	31,640	14.4	59.0	233
Dyna-Gro	D50VC30	Genuity VT Double PRO	76	103	48	30,726	14.3	59.2	231

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

Sunray

2019 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	76	102	46	31,647	16.3	59.7	264
Plant Date	5/1/2019		C.V. %	1.4	2.9	4.4	4.5	5.9	2.1	5.9
Harvest Date	10/15/2019		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Irrigated	Yes		L.S.D.	1.7	4.5	3.1	2,174.9	1.5	1.9	23.9
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>Cooperator Tommy Cartrite</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. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p> </div> <div style="width: 35%; border: 1px solid gray; padding: 5px;"> <p>Soil Type Clay loam</p> <p>Tillage </p> <p>Previous Crop </p> </div> </div>								
Seeds per Acre	32,000									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	25.46									
Irrigation (in)										
Herbicide										

*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
Wilbur-Ellis Company	Integra	6533	267	265
Wilbur-Ellis Company	Integra	6588	263	
Progeny Ag Products	Progeny	PGY8116	263	
LG Seeds	LG Seeds	5643	258	258
Terral Seed, Inc.	REV	25LPR26	250	252
LG Seeds	LG Seeds	66C32	250	

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.

Gruver

2019 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	59	104	46	32,971	24.0	53.4	260
Integra	6533	Genuity VT Double PRO	58	102	48	32,204	23.5	54.0	255
Dyna-Gro	D51VC67	Genuity VT Double PRO	58	99	43	33,242	19.8	51.3	254
Progeny	PGY9117	Genuity VT Double PRO	59	103	46	33,104	24.6	54.6	254
Dyna-Gro	D58VC65	Genuity VT Double PRO	59	100	44	33,095	23.8	54.9	250
Progeny	PGY8116	SmartStax	61	101	48	34,523	25.6	54.8	250
Integra	6720	Genuity DG VT Double PRO	59	104	46	33,133	24.9	54.7	249
LG Seeds	67C45	SmartStax	60	102	46	33,382	25.1	55.0	248
Integra	6695	Genuity Trecepta	58	106	45	32,862	23.9	55.9	248
Dyna-Gro	D52VC15	Genuity VT Double PRO	59	102	43	32,571	20.7	55.0	247
Dyna-Gro	D53VC33	Genuity VT Double PRO	58	105	43	34,518	21.5	54.3	245
REV	25LPR26	Leptra	60	108	47	33,780	22.7	55.1	244
Progeny	PGY9114	Genuity VT Double PRO	58	102	44	33,352	21.2	54.9	243
Dyna-Gro	D52VC63	Genuity VT Double PRO	59	103	43	32,212	23.6	53.9	243
LG Seeds	64C30	Genuity Trecepta	58	106	46	33,841	24.4	55.0	242
LG Seeds	5643	Genuity VT Double PRO RIB	60	103	45	33,130	23.4	54.7	240
Dyna-Gro	D54VC14	Genuity VT Double PRO	59	102	43	32,745	22.8	54.9	239
Dyna-Gro	D57VC17	Genuity VT Double PRO	59	101	45	34,039	23.4	55.7	238
Integra	6410	SmartStax	59	97	40	32,111	23.9	55.0	238
Integra	6588	Genuity VT Double PRO	60	107	47	33,155	25.5	54.0	233
Integra	CX801115	Genuity DG VT Double PRO	58	105	43	33,282	23.2	55.3	233

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

Gruver 2019 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	EXP1915	SmartStax	60	100	43	33,779	24.3	56.9	232
REV	26BHR30	Optimum Intrasect	60	103	44	33,218	22.9	56.1	232
REV	24LPR70	Leptra	59	101	40	34,680	23.8	54.1	231
Dyna-Gro	D49VC70	Genuity VT Double PRO	58	103	45	33,649	18.8	53.0	230
Dyna-Gro	D52VC50	Genuity VT Double PRO	59	105	46	32,672	22.1	53.5	230
LG Seeds	66C32	Genuity VT Double PRO	59	100	43	32,068	24.1	55.2	229
Dyna-Gro	D53TC19	Genuity Trecepta	58	100	41	32,313	20.9	55.0	228
Progeny	EXP1913	Genuity VT Double PRO	59	102	44	34,539	21.7	53.7	228
Dyna-Gro	D55VC45	Genuity VT Double PRO	59	101	42	31,928	23.6	54.5	228
B-H Genetics	8721	N/A	60	104	43	33,311	25.5	54.7	227
Dyna-Gro	D54SS74	SmartStax	60	101	43	34,156	23.5	55.2	223
Dyna-Gro	D52VC91	Genuity VT Double PRO	59	105	46	32,975	22.0	55.8	220
Pioneer	P1395R	RR2	59	106	42	31,268	19.3	52.1	216
Dyna-Gro	D50VC30	Genuity VT Double PRO	57	104	44	32,718	19.3	54.6	204

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

Gruver 2019 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	6/11/2019	Mean	59	103	44	33,158	22.9	54.6	237
Harvest Date	10/16/2019	C.V. %	1.1	2.9	5.9	4.4	5.3	2.7	10.0
Irrigated	Yes	P>f (hybrid)	0.000	0.001	0.002	0.355	0.000	0.183	0.735
Row Spacing (in)	30	L.S.D.	0.9	4.3	3.8		2.0		
Number of Rows	2	Trial Notes							
Seeds per Acre	32,000	*One application aerially for mites							
N (lb/ac)	200	*Test had a later plant date with the first freeze occurring on 10/10/19.							
P2O5 (lb/ac)	0	Cooperator <input type="text" value="Dustin Borden"/>							
K2O (lb/ac)	0	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)	23.25	Soil Type	Silty clay loam						
Irrigation (in)	18	Tillage	Strip-tilled in April						
Herbicide	32 oz/ac Roundup + 16 oz/ac Atrazine applied as initial burndown. 5/14: 32 oz Roundup + 16 oz Atrazine + Sharpen. Aerially applied pre-emerge: Roundup + Dual + Atrazine. 6/28: 32 oz Roundup + 16 oz Atrazine	Previous Crop	Forage sorghum, grazed out						

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

Spearman 2019 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	D54SS74	SmartStax	74	93	35	33,136	20.9	57.6	284
Dyna-Gro	D55VC80	Genuity VT Double PRO	75	95	38	29,916	20.7	57.6	282
LG Seeds	67C45	SmartStax	75	98	41	29,925	22.1	58.8	276
Dyna-Gro	D54VC14	Genuity VT Double PRO	73	91	33	29,428	20.5	59.1	270
REV	25LPR26	Leptra	76	103	40	27,517	21.0	57.6	270
Dyna-Gro	D53TC19	Genuity Trecepta	72	91	36	28,482	19.0	58.6	270
Dyna-Gro	D58VC65	Genuity VT Double PRO	74	96	38	29,864	22.6	57.8	268
Progeny	EXP1913	Genuity VT Double PRO	73	94	38	27,748	19.7	58.8	268
Integra	6588	Genuity VT Double PRO	75	99	37	30,549	22.6	57.9	267
Dyna-Gro	D52VC63	Genuity VT Double PRO	74	95	35	30,114	20.0	57.6	267
LG Seeds	64C30	Genuity Trecepta	72	98	40	27,290	21.3	58.2	266
Progeny	PGY9117	Genuity VT Double PRO	75	97	37	30,483	22.0	57.9	265
REV	24LPR70	Leptra	73	89	37	29,948	21.0	59.0	265
REV	26BHR30	Optimum Intrasect	76	97	35	29,412	22.5	59.2	264
Dyna-Gro	D57VC17	Genuity VT Double PRO	75	94	38	30,038	22.8	59.0	264
Integra	6533	Genuity VT Double PRO	73	96	39	28,450	20.7	58.9	262
Integra	6695	Genuity Trecepta	72	93	37	29,053	21.3	58.6	260
Dyna-Gro	D53VC33	Genuity VT Double PRO	72	99	37	31,049	17.9	58.7	259
Integra	6410	SmartStax	73	88	32	30,015	20.5	58.7	257
B-H Genetics	8721	N/A	74	95	34	29,848	21.8	58.2	255
Integra	6720	Genuity DG VT Double PRO	75	96	37	31,070	22.4	58.8	253

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

Spearman 2019 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	5643	Genuity VT Double PRO RIB	74	97	36	28,902	19.8	57.2	253
Integra	CX801115	Genuity DG VT Double PRO	73	96	36	27,276	20.5	57.7	252
Progeny	PGY8116	SmartStax	77	97	43	30,351	22.7	58.7	252
Dyna-Gro	D55VC45	Genuity VT Double PRO	74	97	39	31,064	21.3	58.6	252
Progeny	EXP1915	SmartStax	75	91	36	28,871	21.4	60.0	251
Dyna-Gro	D51VC67	Genuity VT Double PRO	72	90	35	28,736	19.4	57.7	249
Dyna-Gro	D52VC15	Genuity VT Double PRO	72	90	34	30,169	17.4	58.8	248
Dyna-Gro	D52VC50	Genuity VT Double PRO	73	94	35	28,156	20.7	57.5	247
Dyna-Gro	D52VC91	Genuity VT Double PRO	72	92	34	27,914	19.9	59.6	247
Progeny	PGY9114	Genuity VT Double PRO	72	92	32	31,276	20.4	59.1	246
LG Seeds	66C32	Genuity VT Double PRO	76	95	37	25,796	22.9	57.1	242
Pioneer	P1395R	RR2	74	99	35	27,700	19.2	59.9	237
Dyna-Gro	D49VC70	Genuity VT Double PRO	72	90	33	28,471	18.6	58.7	237
Dyna-Gro	D50VC30	Genuity VT Double PRO	73	95	39	27,061	17.7	58.9	217

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

Spearman 2019 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	74	95	36	29,288	20.7	58.5	258
Plant Date	5/2/2019		C.V. %	1.0	2.9	6.2	5.9	3.3	0.8	4.7
Harvest Date	9/25/2019		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.0	3.8	3.1	2,447.9	1.0	0.6	17.2
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	*0.5lb/ac Zinc applied when strip-tilled								
Seeds per Acre	32,000									
N (lb/ac)	270									
P2O5 (lb/ac)	70									
K2O (lb/ac)	0									
Precipitation (in)	24									
Irrigation (in)	20									
Herbicide	8 oz/ac 24D + 32 oz/ac Roundup applied as burndown. 2 oz/ac Valor applied in March. 3oz/ac Balance Flexx + 5 oz/ac Starane + 32 oz/ac Roundup applied right after planting.									
		Soil Type	Silty clay loam							
		Tillage	Strip-tilled							
		Previous Crop	Cotton							
			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. 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 Spearman Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Terral Seed, Inc.	REV	25LPR26	263	254
Progeny Ag Products	Progeny	PGY8116	256	
LG Seeds	LG Seeds	5643	254	259
Wilbur-Ellis Company	Integra	6533	252	262
LG Seeds	LG Seeds	66C32	247	
Wilbur-Ellis Company	Integra	6588	246	

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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LITERATURE CITED

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

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