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2018 Texas Corn Performance Variety Trials



Department of Soil and Crop Sciences

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2018 TEXAS CORN PERFORMANCE VARIETY TRIALS

Ronnie Schnell, Katrina Horn, Dennis Pietsch, Seth Hirst, Allen Hall, and Seth Murray

Introduction

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

This year, seven irrigated and five non-irrigated test sites were planted in the major production regions of Texas. Major corn production regions include the Western Gulf Coastal Plain, Southern Texas Plains, East Central Texas Plains, Texas Blackland Prairies and High Plains. Approximate locations of the 2018 test sites are shown in Figure 1. A total of 442 entries were evaluated across 12 locations representing 81 unique hybrids from 16 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/>.

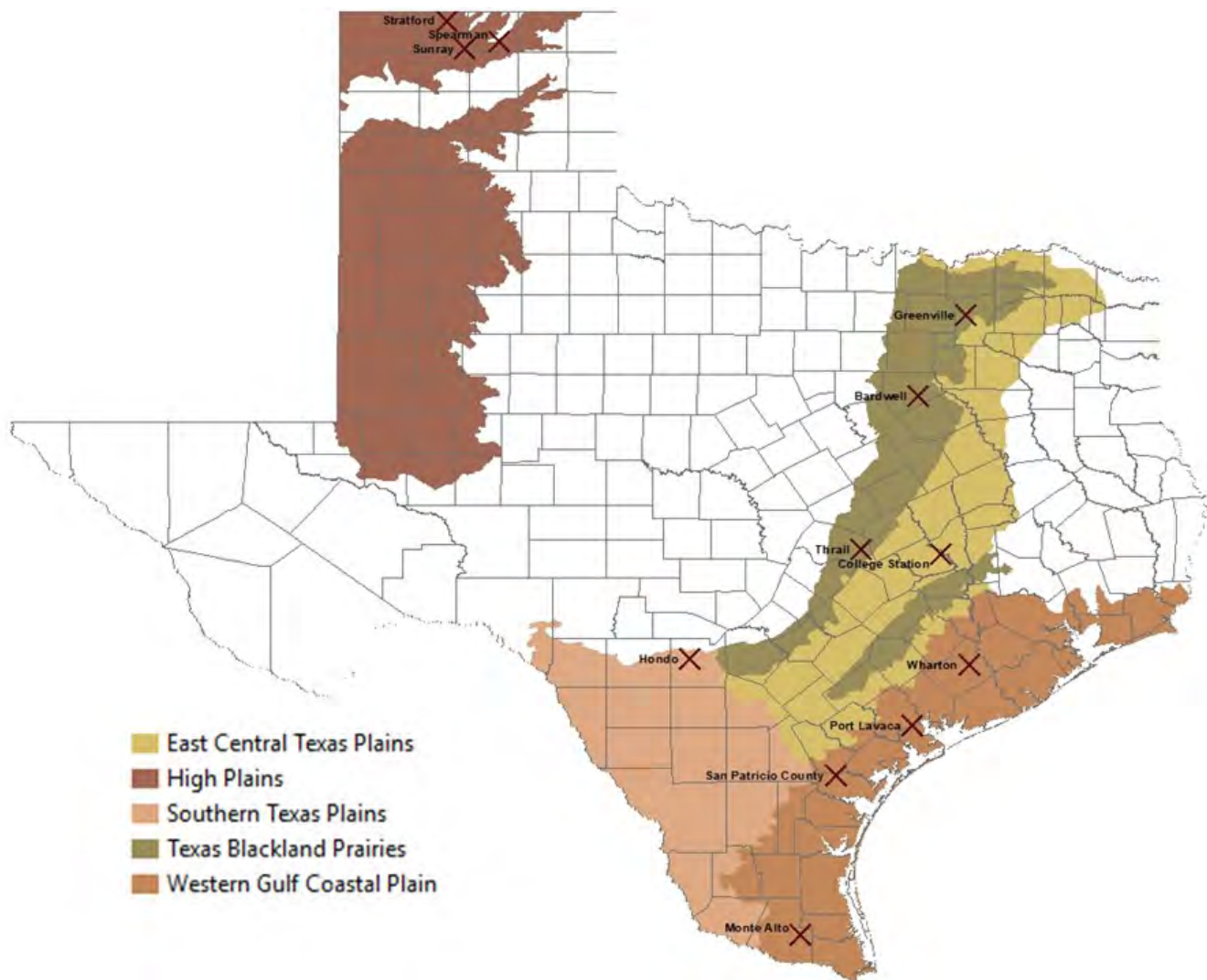
Suggestions for Selecting Hybrids and Varieties

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. 2018 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). Seeds for each hybrid are packaged to obtain a final plant population appropriate for each production region and cropping system. Plots are generally 2 rows wide with row spacing ranging from 30 to 40 inches depending on location. Seeds are packaged to deliver 30 feet of planted row per plot. Seed is planted using a belt cone planter with John Deere MaxEmerge XP planter units at all sites. Following emergence, two feet of row are trimmed on each side resulting in 26 ft plots and 4 ft alleys. 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 2018 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 CB/LL	CB/LL
Agrisure	Agrisure 3010	GT/CB/LL
Agrisure	Agrisure RW	RW
Agrisure	Agrisure GT/RW	GT/RW
Agrisure	Agrisure CB/LL/RW	CB/LL/RW
Agrisure	Agrisure 3000GT	GT3K
Agrisure	Agrisure Artesian 3011A	3011A
Agrisure	Agrisure Viptera 3110	V3110
Agrisure	Agrisure Viptera 3111	V3111
Agrisure	Agrisure 3122 E-Z Refuge	3122EZ
Agrisure	Agrisure 3220 E-Z Refuge	3220EZ
Agrisure	Agrisure Duracade 5122 E-Z Refuge	5122EZ
Agrisure	Agrisure Duracade 5222 E-Z Refuge	5222EZ
Agrisure	Agrisure GT Artesian	GT-Artesian
Generic	RR2	RR2
Generic	BGTCBLL	BGTCBLL
Generic	GT	GT
Genuity	Genuity VT Double PRO	GEN VT2P
Genuity	Genuity VT Triple PRO	GEN VT3P
Genuity	Genuity SmartStax	GEN SSX
Genuity	Genuity VT Double PRO RIB Complete (GENVT2P)	GEN VT2PRIB
Genuity	Genuity VT Triple PRO RIB Complete (GENVT3P)	GEN VT3PRIB
Genuity	Genuity SmartStax RIB Complete	GEN SSXRIB
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
Herculex	Herculex 1 (HX1)	HX1
Herculex	Herculex RW (HXRW)	HXRW
Herculex	Herculex Extra (HXX)	HXX
Mycogen	SmartStax	SSX
Mycogen	Powercore	Powercore
Optimum	Optimum AcreMax (AM-R)	AM-R
Optimum	Optimum AcreMax1 (AM1)	AM1
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 Intrasect	INT
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 Intrasect-AQUAmax	INT-AQUAmax
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 $(((100 - \text{moisture (\%)}) / 84.5) * \text{yield (lb/acre)}) / 56]$.

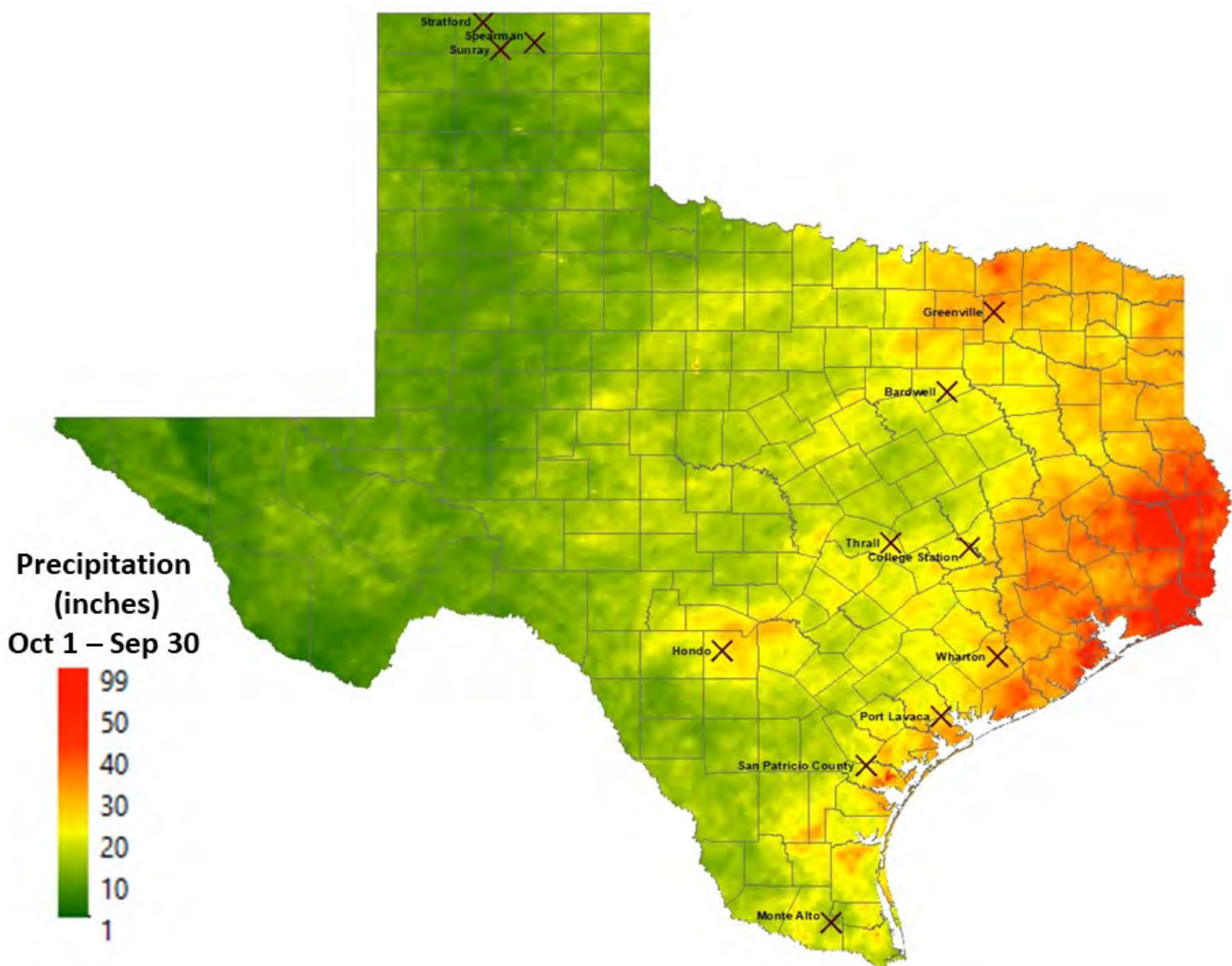
In addition to individual site performance, information on multi-year performance for each site and regional performance is provided. Multi-year tables are presented as 2 and 3-year summaries of yield performance data. The entries are ranked according to hybrid performance in the current year. In addition, 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. 2018 water year (October 1, 2017 – September 30, 2018) precipitation in inches



2018 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Agventure Pinnacle	Agventure	AV8614	Optimum Intrasect	Yellow	Red		114
Agventure Pinnacle	Agventure	AV8915	Optimum Intrasect	Yellow	Red		115
Agventure Pinnacle	Agventure	AV8212	Optimum Intrasect	Yellow			
Agventure Pinnacle	Agventure	AV8513	Optimum Intrasect	Yellow	Red		113
Anzu Genetica Seed	Anzu Genetica	AG 0717	N/A	Yellow	White		119
Anzu Genetica Seed	Anzu Genetica	AG 0824	N/A	Yellow	White		119
Anzu Genetica Seed	Anzu Genetica	AG 0924	N/A	Yellow	White		119
Axis Texas	Axis	64B28	Genuity VT Double PRO	Yellow	Red	2650	114
Axis Texas	Axis	66T27	Genuity VT Double PRO	Yellow	Red	1380	116
Axis Texas	Axis	65H25	Genuity VT Double PRO	Yellow	Red	1294	115
Axis Texas	Axis	64N21	Genuity VT Double PRO	Yellow	Pink	1330	114
B-H Genetics	B-H Genetics	8900	Agrisure Viptera 3111	Yellow	Pink		117
B-H Genetics	B-H Genetics	8660	Genuity VT Triple PRO	Yellow	Pink		116
Crop Production Services	Dyna-Gro	D56VC46	Genuity VT Double PRO	Yellow	Red	2790	116
Crop Production Services	Dyna-Gro	58SS65	Genuity SmartStax	Yellow	Red	2840	118
Crop Production Services	Dyna-Gro	D52SS63	SmartStax	Yellow	Red	2690	112
Crop Production Services	Dyna-Gro	D54VC14	Genuity VT Double PRO	Yellow	Red	2750	114
Crop Production Services	Dyna-Gro	D57VC51	Genuity VT Double PRO	Yellow	Red	2810	117
Croplan	Croplan	8410	Genuity VT Triple PRO RIB	Yellow	Red	2860	117
Dupont	Pioneer	P1311	Optimum AcreMax1 (AM1)	Yellow		2860	113
Dupont	Pioneer	P2089	Optimum Intrasect	Yellow		2910	120

2018 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Dupont	Pioneer	P1847	Leptra	Yellow		1390	118
Dupont	Pioneer	P1401	Agrisure Viptera 3110	Yellow		2760	114
Dupont	Pioneer	P1870	Herculex 1 (HX1)	Yellow	Red	2860	118
Dupont	Pioneer	P1366	Optimum Intrasect	Yellow		2760	113
Dupont	Pioneer	P1464	Leptra	Yellow		1430	114
Hoegemeyer Hybrids	Hoegemeyer	HPT 8415	Optimum AcreMax (AM-R)	Yellow	Pink	2760	114
Hoegemeyer Hybrids	Hoegemeyer	HPT 8529	Optimum AcreMax (AM-R)	Yellow	Red	2790	115
Hoegemeyer Hybrids	Hoegemeyer	HPT 8556	Optimum AcreMax (AM-R)	Yellow	Pink	2790	115
LG Seeds	LG Seeds	68C88	Genuity VT Double PRO	Yellow	Red	2780	118
LG Seeds	LG Seeds	64C18	Genuity VT Double PRO	Yellow	Pink	2600	114
LG Seeds	LG Seeds	66C32	SmartStax	Yellow	Red	2710	116
LG Seeds	LG Seeds	5643	SmartStax	Yellow	Red	2700	114
LG Seeds	LG Seeds	5701	Genuity VT Double PRO	Yellow	Pink	2720	116
Mission Seed Solutions	Mission	A1657	Genuity DG VT Double PRO	Yellow	Red	2860	116
Mission Seed Solutions	Mission	A1677	Genuity VT Double PRO	Yellow	Red	2772	116
Mission Seed Solutions	Mission	A1637	Genuity VT Double PRO	Yellow	Red	2692	116
Mission Seed Solutions	Mission	A1687	Genuity VT Double PRO	Yellow	Red	2575	116
Monsanto	DEKALB	DKC 62-08	Genuity SmartStax	Yellow		2800	112
Mycogen Seeds	Mycogen	MY09V46	Powercore	Yellow	Red	2690	109
Mycogen Seeds	Mycogen	MY13M87	SmartStax	Yellow	Red	2770	113
Mycogen Seeds	Mycogen	MY12G38	SmartStax	Yellow	Red	2740	115

2018 Corn

Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Navajo Seeds, LLC	Navajo Seeds	Ranger	Conventional	Yellow	Red	1480	112
Navajo Seeds, LLC	Navajo Seeds	Legacy	Conventional	Yellow	Red	1520	115
Navajo Seeds, LLC	Navajo Seeds	D-Bear	Conventional	Yellow	Red	1560	120
Navajo Seeds, LLC	Navajo Seeds	Regent	Conventional	Yellow	Red	1550	120
Navajo Seeds, LLC	Navajo Seeds	Oscar	Conventional	Yellow	Red	1540	117
Navajo Seeds, LLC	Navajo Seeds	Lombard	Conventional	Yellow	Red	1520	115
NuTech Seed, LLC	NuTech	5TN-1919	Leptra	Yellow	Pink	2840	119
NuTech Seed, LLC	NuTech	5FB-1211	Optimum AcreMax (AM-R)	Yellow	Red	2680	111
NuTech Seed, LLC	NuTech	5FB-4516	Optimum AcreMax (AM-R)	Yellow	Red	2770	116
NuTech Seed, LLC	NuTech	5F713	Optimum AcreMax (AM-R)	Yellow	Pink	2730	113
NuTech Seed, LLC	NuTech	5F113	Optimum AcreMax (AM-R)	Yellow	Red	2730	113
NuTech Seed, LLC	NuTech	E5FN-A714	Optimum AcreMax (AM-R)	Yellow	Pink	2750	114
Progeny Ag Products	Progeny	7118	Genuity VT Double PRO				
Progeny Ag Products	Progeny	PGY5115	Genuity VT Double PRO	Yellow	Red	2828	115
Progeny Ag Products	Progeny	PGY6116	Genuity VT Double PRO	Yellow	Red	2840	116
Progeny Ag Products	Progeny	PGY6119	Genuity VT Double PRO	Yellow	Red	2722	119
Progeny Ag Products	Progeny	EXP1814					
Progeny Ag Products	Progeny	PGY8116	SmartStax	Yellow	Red	2772	116
Simplot Grower Solutions	Legend	LR97TX14	Genuity VT Double PRO	Yellow	Red		114
Simplot Grower Solutions	Legend	LR98T16	Genuity VT Double PRO	Yellow	Red		116
Simplot Grower Solutions	Legend	LR97TX16	Genuity VT Double PRO	Yellow	Red		116

2018 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Simplot Grower Solutions	Legend	LR9809	Genuity VT Double PRO	Yellow	Red		109
Simplot Grower Solutions	Legend	LR98T13	Genuity VT Double PRO	Yellow	Red		113
Simplot Grower Solutions	Legend	LR98T14	Genuity VT Double PRO	Yellow	Red		114
Syngenta	NK	NK1694	Agrisure Viptera 3111	Yellow	Pink		116
Syngenta	NK	NK1573	Agrisure 3000GT	Yellow	Pink		115
Terral Seed, Inc.	REV	27LPR79	Leptra	Yellow	Red		117
Terral Seed, Inc.	REV	28LPR18	Leptra	Yellow	Red		118
Terral Seed, Inc.	REV	24BHR99	Optimum Intrasect	Yellow	Red		114
Terral Seed, Inc.	REV	25LPR26	Leptra	Yellow	Red		115
Terral Seed, Inc.	REV	23LPR55	Leptra	Yellow	Pink		113
Terral Seed, Inc.	REV	25LPR89	Leptra	Yellow	Red		115
Wilbur-Ellis Company	Integra	6284	Genuity VT Double PRO	Yellow	Red	2755	112
Wilbur-Ellis Company	Integra	9678	Genuity VT Double PRO	Yellow	Red	2814	117
Wilbur-Ellis Company	Integra	6474	Genuity VT Double PRO	Yellow	Red	2825	114
Wilbur-Ellis Company	Integra	6400	Genuity SmartStax	Yellow	Red	2880	114
Wilbur-Ellis Company	Integra	6533	Genuity VT Double PRO	Yellow	Red	2775	115
Wilbur-Ellis Company	Integra	6647	Genuity VT Double PRO	Yellow	Pink	2870	116
Wilbur-Ellis Company	Integra	6588	Genuity VT Double PRO	Yellow	Red	2870	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
Anzu Genetica Seed	Anzu Genetica	Beto Anzaldua 9404 Oak Hill Dr Waco, TX 76712	254-548-7447	betoanzaldua@yahoo.com
Axis Texas	Axis	Chad Wetzel 2768 N. Lincoln Park Rd Van Alstyne, TX 75495	903-357-0697	chad@axistexas.com
Crop Production Services	Dyna-Gro	Cord Willms 1024 Willms Road Columbus, TX 78934	361-960-4399	james.willms@cpsagu.com
Dupont	Pioneer	Grant Groene 6519 72nd St Lubbock, TX 79424	620-229-0465	grant.groene@pioneer.com
Dupont	Pioneer	Slade Price 4312 Bratton Rd Corpus Christi, TX 78413	361-815-8570	slade.price@pioneer.com
Hoegemeyer Hybrids	Hoegemeyer	Jeremy Horvatich 1755 Hoegemeyer Road Hooper, NE 68031	402-654-3399	j.horvatich@hoegemeyer.com
LG Seeds	Golden Acres	Chris Sheppard 205 Old Hewitt Rd Waco, TX 76712	254-761-9838	chris.sheppard@lgseeds.com
Mission Seed Solutions	Mission	Will Scott 518 N. Sharpe Ave Cleveland, MS 38732	662-822-9926	will.scott@pinnacleag.com
Mycogen Seeds	Mycogen	Adam Owens 308 Quail Dr Colleyville, TX 76034	817-223-9638	atowens@dow.com
Navajo Seeds, LLC	Navajo Seeds	Nourmand Kaka 8501 Halkin Ct. Plano, TX 75024	972-450-1446	nourmand@navajoseeds.com

Corn

Company Contacts



Company	Brand	Contact Information	Phone	Email
NuTech Seed, LLC	NuTech	Jim Bueltel 2321 N. Loop Drive, Suite 120 Ames, IA 50010	800-942-6748	jim.bueltel@nutechseed.com
Progeny Ag Products	Progeny	John Rocconi 1529 Hwy 193 Wynne, AR 72396	979-587-9968	johnr@progenyag.com
Simplot Grower Solutions	Legend	Max Crittenden 2193 Oak Grove Loop China Spring, TX 76633	254-652-0032	max.crittenden@simplot.com
Syngenta	NK	Chuck Leonard 5210 ST Rd Hickory, KY 42051	270-519-9600	chuck.leonard@syngenta.com
Terral Seed, Inc.	REV	Marty Hale 117 Ellington Dr Rayville, LA 71269	318-231-8814	mhale@terralseed.com
Wilbur-Ellis Company	Integra	Bracken Finney 1900 Oaklawn Drive Taylor, TX 76574	512-517-5456	rfinney@wilburellis.com
Wilbur-Ellis Company	Integra	Jack Hartrim 3325 Spur 24 Dalhart, TX 79022	806-268-3588	jhartrim@wilburellis.com

Monte Alto

2018 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	80	31	28,649	14.1	55.5	186
LG Seeds	68C88	Genuity VT Double PRO	61	82	32	29,571	14.3	56.0	181
DEKALB	DKC 62-08	Genuity SmartStax	59	74	32	29,571	13.8	55.7	177
REV	25LPR26	Leptra	61	88	33	27,560	14.2	56.7	174
Integra	6647	Genuity VT Double PRO	60	78	31	28,063	14.5	56.0	172
Legend	LR98T16	Genuity VT Double PRO	60	78	30	27,393	14.1	55.6	172
REV	24BHR99	Optimum Intrasect	61	82	30	28,733	14.3	56.2	171
Dyna-Gro	D57VC51	Genuity VT Double PRO	62	80	30	27,979	14.4	56.1	170
REV	25LPR89	Leptra	61	87	33	28,565	14.4	56.0	167
Dyna-Gro	D54VC14	Genuity VT Double PRO	59	75	27	28,146	14.2	56.2	167
REV	28LPR18	Leptra	63	86	34	27,979	13.9	55.7	166
REV	27LPR79	Leptra	65	90	30	29,319	14.7	56.1	165
Dyna-Gro	D56VC46	Genuity VT Double PRO	60	75	31	28,733	14.7	55.8	164
Legend	LR98T14	Genuity VT Double PRO	59	76	28	28,314	14.6	56.8	161
REV	23LPR55	Leptra	61	84	32	27,811	13.0	54.1	159
Navajo Seeds	Lombard	Conventional	64	85	38	28,146	14.2	56.0	159
Integra	6588	Genuity VT Double PRO	62	80	30	27,141	14.3	57.2	158
Integra	6400	Genuity SmartStax	61	74	30	27,728	13.9	55.0	158
Legend	LR97TX16	Genuity VT Double PRO	60	75	29	28,984	14.2	56.1	157
Integra	6533	Genuity VT Double PRO	59	76	30	28,230	14.6	56.1	157
Legend	LR97TX14	Genuity VT Double PRO	59	74	26	28,565	13.9	55.8	155

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



Department of Soil and Crop Sciences

Monte Alto 2018 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	58SS65	Genuity SmartStax	61	69	29	28,817	15.0	57.5	155
Integra	9678	Genuity VT Double PRO	60	71	31	27,141	14.3	55.6	154
Dyna-Gro	D52SS63	SmartStax	61	75	29	28,649	14.2	55.6	149
Legend	LR98T13	Genuity VT Double PRO	59	74	28	27,057	14.3	56.3	145
B-H Genetics	8900	Agrisure Viptera 3111	62	86	31	25,550	13.9	55.9	143
Anzu Genetica	AG 0717	N/A	63	86	32	25,047	13.7	55.7	129
Navajo Seeds	Oscar	Conventional	64	87	35	27,895	14.2	55.3	127
Anzu Genetica	AG 0824	N/A	65	83	35	26,387	14.0	54.5	111
Anzu Genetica	AG 0924	N/A	66	79	33	25,717	13.4	53.8	107

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

Monte Alto 2018 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	79	31	27,915	14.2	55.8	157
Plant Date	2/16/2018	C.V. %	1.1	3.9	7.8	6.5	3.9	1.9	11.0	
Harvest Date	7/11/2018	P>f (hybrid)	0.000	0.000	0.000	0.065	0.008	0.003	0.000	
Irrigated	Yes	L.S.D.	1.0	4.4	3.4		0.8	1.5	24.4	
Trial Notes										
Row Spacing (in)	30									
Number of Rows	2									
Seeds per Acre	30,000									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	9.78									
Irrigation (in)										
Herbicide										
Soil Type		Willacy Fine Sandy Loam								
Tillage										
Previous Crop		Corn								

Cooperator Rio 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 Almaco meter units on a JD Max-Emerge II 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.

Monte Alto

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Wilbur-Ellis Company	Integra	6647	175	
Terral Seed, Inc.	REV	23LPR55	169	
Wilbur-Ellis Company	Integra	9678	168	165
Wilbur-Ellis Company	Integra	6533	164	
Wilbur-Ellis Company	Integra	6400	160	
Crop Production Services	Dyna-Gro	58SS65	154	

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.

San Patricio County

2018 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 C.V. % P>f (hybrid) L.S.D.	68	69	26	25,428	14.8	52.7	50
Plant Date	2/28/2018		1.5	8.8	8.5	9.9	3.3	1.5	21.4
Harvest Date	7/12/2018		0.000	0.002	0.000	0.111	0.000	0.000	0.001
Irrigated	Yes		1.4	8.7	3.1		0.7	1.2	15.3
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	Extended drought and high temperatures during critical growth dates contributed to lower than normal yields and a high variance of data across plots. Hybrid yield data will not be published.							
Seeds per Acre	26,000								
N (lb/ac)	106								
P2O5 (lb/ac)	15								
K2O (lb/ac)	0								
Precipitation (in)	12.18								
Irrigation (in)									
Herbicide									
22 oz/ac Powermax applied 4/11		Soil Type	Victoria Clay						
		Tillage	Field cultivated						
		Previous Crop	Cotton						
		Cooperator Ring Brothers							
		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 Almaco meter units on a JD Max-Emerge II 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.

Port Lavaca 2018 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)
Legend	LR97TX16	Genuity VT Double PRO	66	78	27	21,758	14.6	55.9	120
Integra	9678	Genuity VT Double PRO	68	74	24	18,584	14.7	56.2	120
B-H Genetics	8660	Genuity VT Triple PRO	68	79	26	21,163	14.4	55.2	116
Pioneer	P1401	Agrisure Viptera 3110	70	79	26	20,171	13.9	55.0	116
Integra	6533	Genuity VT Double PRO	64	75	24	19,311	14.1	56.3	114
Progeny	PGY6116	Genuity VT Double PRO	68	78	28	19,708	14.4	55.5	113
Progeny	PGY6119	Genuity VT Double PRO	68	78	24	20,105	14.7	57.5	113
REV	28LPR18	Leptra	70	85	27	21,163	14.0	55.7	113
Dyna-Gro	D56VC46	Genuity VT Double PRO	68	72	24	19,509	14.4	55.7	111
Legend	LR98T16	Genuity VT Double PRO	67	79	26	20,237	14.8	55.8	111
DEKALB	DKC 62-08	Genuity SmartStax	67	74	27	19,046	13.9	55.3	111
Pioneer	P1464	Leptra	70	77	25	19,928	14.2	56.0	110
Dyna-Gro	D54VC14	Genuity VT Double PRO	66	78	24	20,832	14.2	56.5	110
LG Seeds	68C88	Genuity VT Double PRO	69	80	25	20,832	15.0	57.9	109
REV	23LPR55	Leptra	68	82	25	22,155	13.9	54.8	108
Integra	6588	Genuity VT Double PRO	70	78	26	19,046	15.4	57.7	108
LG Seeds	5701	Genuity VT Double PRO	68	78	25	19,179	14.7	56.4	108
Mission	A1687	Genuity VT Double PRO	64	77	24	19,708	14.6	56.6	107
Progeny	PGY8116	SmartStax	71	78	27	18,584	15.3	58.2	107
Legend	LR97TX14	Genuity VT Double PRO	67	71	20	21,163	13.9	55.5	106
Mission	A1677	Genuity VT Double PRO	70	79	25	21,229	15.2	58.0	105

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

Port Lavaca 2018 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	27LPR79	Leptra	71	87	26	21,229	15.1	57.5	105
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	76	25	19,113	14.3	56.1	104
Mission	A1657	Genuity DG VT Double PRO	68	79	25	18,914	14.7	56.0	104
Legend	LR98T13	Genuity VT Double PRO	65	70	22	19,179	14.6	56.4	103
REV	25LPR89	Leptra	69	80	24	21,361	13.8	55.8	103
Legend	LR98T14	Genuity VT Double PRO	65	76	23	18,914	14.5	56.9	102
Croplan	8410	Genuity VT Triple PRO RIB C	68	72	22	21,295	14.4	56.3	102
Dyna-Gro	58SS65	Genuity SmartStax	68	76	22	20,038	14.6	56.9	101
Dyna-Gro	D52SS63	SmartStax	69	75	23	19,113	14.2	55.7	99
Integra	6400	Genuity SmartStax	68	70	22	18,054	14.0	55.4	99
REV	24BHR99	Optimum Intrasect	68	79	24	21,626	14.4	56.0	96
Pioneer	P1847	Leptra	70	84	26	18,782	15.7	57.0	94
Integra	6647	Genuity VT Double PRO	69	71	27	18,253	14.4	55.5	93
Progeny	7118	Genuity VT Double PRO	69	84	25	18,980	14.4	56.4	93
Pioneer	P1311	Optimum AcreMax1 (AM1)	70	83	26	19,906	13.9	55.3	93
Progeny	EXP1814		66	70	21	19,377	14.4	56.7	92
REV	25LPR26	Leptra	69	80	24	19,509	13.9	55.8	92
Mission	A1637	Genuity VT Double PRO	69	78	23	20,303	13.4	54.7	89

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

Port Lavaca 2018 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	2/27/2018	Mean	68	77	24	19,932	14.4	56.2	105
Harvest Date	7/24/2018	C.V. %	1.3	4.9	10.4	9.9	3.6	0.8	12.6
Irrigated	No	P>f (hybrid)	0.000	0.000	0.001	0.241	0.000	0.000	0.064
Row Spacing (in)	38	L.S.D.	1.2	5.3	3.6		0.7	0.7	18.6
Number of Rows	2	Trial Notes							
Seeds per Acre	24,000	*From 2/27 (planting) - 5/20 (post-flowering) 3.2" of precipitation was received. *From 5/20 - 6/17 an additional 2.2" of precipitation fell. This contributed to lower than normal yields.							
N (lb/ac)	120								
P2O5 (lb/ac)	45								
K2O (lb/ac)	20								
Precipitation (in)	14.81	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 Almaco meter units on a JD Max-Emerge II 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							
Irrigation (in)									
Herbicide									
Roundup used as burndown. Dual/Atrazine used pre-emerge. Roundup used post emerge.		Soil Type	Laewest Clay						
		Tillage	Disked twice, field cultivated twice						
		Previous Crop	Grain Sorghum						

Cooperator Jim Hayes

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

Port Lavaca

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Progeny Ag Products	Progeny	PGY6116	130	
Wilbur-Ellis Company	Integra	9678	130	136
Progeny Ag Products	Progeny	PGY6119	130	
Terral Seed, Inc.	REV	23LPR55	130	
Monsanto	DEKALB	DKC 62-08	127	
Wilbur-Ellis Company	Integra	6533	127	
Terral Seed, Inc.	REV	25LPR26	122	
Wilbur-Ellis Company	Integra	6647	120	
Crop Production Services	Dyna-Gro	58SS65	117	
Wilbur-Ellis Company	Integra	6400	111	

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 2018 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	24BHR99	Optimum Intrasect	69	106	38	21,675	12.7	55.3	173
LG Seeds	66C32	SmartStax	71	101	38	22,555	14.0	56.9	170
REV	25LPR89	Leptra	69	107	41	21,927	13.9	56.3	162
LG Seeds	68C88	Genuity VT Double PRO	68	98	40	22,241	14.4	57.3	160
Dyna-Gro	D52SS63	SmartStax	68	98	34	22,995	13.9	56.6	157
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	95	33	20,042	13.7	56.0	157
REV	23LPR55	Leptra	69	105	39	21,047	12.6	55.7	156
Integra	9678	Genuity VT Double PRO	68	98	36	20,607	14.2	55.5	153
Dyna-Gro	D56VC46	Genuity VT Double PRO	67	99	39	21,298	14.0	55.4	152
Progeny	PGY5115	Genuity VT Double PRO	68	95	30	20,482	13.4	55.8	151
Progeny	7118	Genuity VT Double PRO	69	105	39	20,859	13.3	55.3	151
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	100	35	21,487	13.8	56.0	151
Mission	A1677	Genuity VT Double PRO	69	97	35	21,361	14.4	56.9	150
Progeny	PGY8116	SmartStax	71	99	39	23,749	13.8	56.8	149
LG Seeds	5701	Genuity VT Double PRO	69	99	36	21,487	14.5	55.4	147
B-H Genetics	8660	Genuity VT Triple PRO	68	101	38	21,612	13.8	56.3	146
REV	28LPR18	Leptra	71	109	47	20,419	14.3	56.3	145
Dyna-Gro	58SS65	Genuity SmartStax	70	95	36	21,047	13.8	56.7	145
Integra	6533	Genuity VT Double PRO	67	96	37	20,859	14.2	56.5	144
REV	27LPR79	Leptra	72	109	43	23,057	13.9	57.0	143
Mission	A1657	Genuity DG VT Double PRO	68	100	33	20,293	14.9	56.1	143

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



Department of Soil and Crop Sciences

Wharton 2018 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	68	97	36	21,361	14.4	56.1	141
DEKALB	DKC 62-08	Genuity SmartStax	67	92	40	20,356	13.1	55.1	140
Mission	A1637	Genuity VT Double PRO	68	99	38	21,173	12.8	53.6	140
Integra	6647	Genuity VT Double PRO	69	99	39	20,105	13.7	56.1	138
Mission	A1687	Genuity VT Double PRO	67	99	38	19,225	12.7	54.3	136
Progeny	EXP1814		67	91	31	19,414	13.3	54.6	134
Pioneer	P1847	Leptra	70	103	37	20,670	14.0	56.1	128
Integra	6588	Genuity VT Double PRO	70	96	38	21,927	13.8	56.0	127
Pioneer	P1464	Leptra	71	99	37	20,984	12.9	54.6	125
Progeny	PGY6116	Genuity VT Double PRO	68	98	37	20,859	13.3	54.7	125
Integra	6400	Genuity SmartStax	67	98	36	20,544	12.3	53.3	120
REV	25LPR26	Leptra	69	105	40	22,492	12.9	54.8	112

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

Wharton 2018 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	100	37	21,218	13.6	55.7	145
Plant Date	3/7/2018	C.V. %	1.5	4.4	8.6	5.9	7.1	2.5	12.9	
Harvest Date	8/2/2018	P>f (hybrid)	0.000	0.000	0.000	0.000	0.023	0.014	0.002	
Irrigated	No	L.S.D.	1.4	6.1	4.5	1,743.7	1.4	2.0	26.2	
Row Spacing (in)	40	Trial Notes								
Number of Rows	2	Cooperator Larry & Clint Kalina Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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	24,000									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	18.86	Soil Type	Clemville-Norwood Complex							
Irrigation (in)		Tillage								
Herbicide		Previous Crop								

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

Wharton

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Progeny Ag Products	Progeny	PGY5115	136	
Progeny Ag Products	Progeny	PGY6119	135	
Wilbur-Ellis Company	Integra	6533	134	
Wilbur-Ellis Company	Integra	6647	133	
Wilbur-Ellis Company	Integra	9678	131	147
Crop Production Services	Dyna-Gro	58SS65	125	
Progeny Ag Products	Progeny	PGY6116	124	
Terral Seed, Inc.	REV	23LPR55	123	
Wilbur-Ellis Company	Integra	6400	120	
Terral Seed, Inc.	REV	25LPR26	117	

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

2018 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	103	39	26,153	11.8	55.7	99
Plant Date	3/6/2018	C.V. %	1.4	9.6	10.7	7.6	6.3	1.9	23.2	
Harvest Date	8/10/2018	P>f (hybrid)	0.000	0.000	0.016	0.030	0.000	0.000	0.000	
Irrigated	Yes	L.S.D.	1.6	13.9	5.9	2,771.2	1.1	1.6	33.4	
Row Spacing (in)	36	Trial Notes								
Number of Rows	2	When plants were at V2-3 a single rain event of 6" left plants underwater for a period of time. This resulted in a high variance of data across plots.								
Seeds per Acre	30,000	Flooding over a portion of the test area resulted in excessive variation in grain yield resulting in a high C.V. Hybrid yield data will not be published.								
N (lb/ac)		Soil Type Clay								
P2O5 (lb/ac)		Tillage								
K2O (lb/ac)		Previous Crop								
Precipitation (in)	15.84									
Irrigation (in)										
Herbicide										

Cooperator Reus 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 Almaco meter units on a JD Max-Emerge II 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.

College Station 2018 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)
NuTech	5TN-1919	Leptra	72	102	38	24,269	11.4	58.9	219
REV	25LPR26	Leptra	70	96	32	26,655	11.1	58.8	217
Dyna-Gro	D56VC46	Genuity VT Double PRO	69	88	33	25,306	11.5	58.2	213
REV	25LPR89	Leptra	70	100	34	26,343	10.9	58.7	210
REV	28LPR18	Leptra	72	103	38	23,751	11.3	58.8	210
NuTech	5F713	Optimum AcreMax (AM-R)	70	99	33	25,306	11.0	57.4	208
NuTech	5FB-4516	Optimum AcreMax (AM-R)	72	98	32	28,107	11.1	58.6	207
REV	23LPR55	Leptra	70	93	32	25,617	11.2	60.6	206
LG Seeds	66C32	SmartStax	72	93	32	26,551	10.9	59.4	206
Progeny	PGY6119	Genuity VT Double PRO	70	91	35	25,203	11.8	59.3	206
REV	27LPR79	Leptra	73	106	35	24,995	11.6	60.4	205
Progeny	PGY8116	SmartStax	72	92	35	25,721	11.5	60.4	204
LG Seeds	5701	Genuity VT Double PRO	71	93	34	24,684	11.2	58.4	202
REV	24BHR99	Optimum Intrasect	71	97	30	26,136	10.9	58.6	202
DEKALB	DKC 62-08	Genuity SmartStax	68	89	33	25,306	10.7	57.8	200
Dyna-Gro	58SS65	Genuity SmartStax	71	89	30	24,684	11.1	59.1	198
Legend	LR98T14	Genuity VT Double PRO	67	91	31	27,069	11.4	58.7	198
Integra	9678	Genuity VT Double PRO	70	88	35	25,306	11.5	59.1	197
Progeny	PGY6116	Genuity VT Double PRO	69	92	33	25,721	10.8	57.9	196
LG Seeds	68C88	Genuity VT Double PRO	71	92	35	26,136	12.0	59.2	195
B-H Genetics	8660	Genuity VT Triple PRO	69	92	33	26,136	10.8	57.6	194

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



Department of Soil and Crop Sciences

College Station

2018 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	91	34	25,514	11.3	58.6	191
Integra	6647	Genuity VT Double PRO	69	89	32	24,891	10.6	58.0	191
Dyna-Gro	D57VC51	Genuity VT Double PRO	70	92	32	24,891	11.0	58.1	191
Progeny	PGY5115	Genuity VT Double PRO	69	91	27	24,580	11.1	57.7	189
Legend	LR98T16	Genuity VT Double PRO	69	92	31	26,551	11.0	58.1	188
Legend	LR9809	Genuity VT Double PRO	69	85	29	24,477	11.0	55.4	187
Integra	6400	Genuity SmartStax	69	94	34	26,966	10.8	57.7	186
Integra	6588	Genuity VT Double PRO	72	90	31	26,240	12.0	59.6	186
Mission	A1677	Genuity VT Double PRO	71	93	34	26,447	11.7	59.3	185
Legend	LR97TX14	Genuity VT Double PRO	69	88	28	26,136	10.9	57.6	185
Progeny	7118	Genuity VT Double PRO	70	99	38	24,788	11.0	57.3	184
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	72	97	33	24,995	11.7	58.0	183
NK	NK1573	Agrisure 3000GT	70	96	31	27,069	11.5	56.9	181
Mission	A1657	Genuity DG VT Double PRO	69	91	29	24,684	11.4	57.9	181
NuTech	5FB-1211	Optimum AcreMax (AM-R)	69	90	31	24,891	11.1	57.5	180
Mission	A1637	Genuity VT Double PRO	70	91	31	24,269	10.9	56.0	178
NuTech	5F113	Optimum AcreMax (AM-R)	69	96	31	27,173	11.1	59.3	178
Legend	LR98T13	Genuity VT Double PRO	67	88	32	25,721	11.3	58.5	177
Dyna-Gro	D52SS63	SmartStax	70	90	29	26,032	11.1	58.4	176
Legend	LR97TX16	Genuity VT Double PRO	67	96	33	24,891	10.9	56.6	174
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	88	28	23,439	11.4	57.6	173

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



Department of Soil and Crop Sciences

College Station 2018 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	EXP1814		68	85	28	24,891	11.0	58.2	171
NK	NK1694	Agrisure Viptera 3111	70	94	33	26,966	11.3	57.3	169
Navajo Seeds	Oscar	Conventional	71	98	35	26,136	11.1	59.3	167
Navajo Seeds	Lombard	Conventional	72	97	37	26,032	10.8	57.8	166
Mission	A1687	Genuity VT Double PRO	68	90	32	23,025	11.5	58.5	159
Navajo Seeds	Legacy	Conventional	67	90	35	24,165	11.2	58.2	143
Navajo Seeds	Ranger	Conventional	72	99	32	24,788	11.1	58.8	142
Navajo Seeds	Regent	Conventional	70	95	31	24,062	11.2	59.1	131

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

College Station

2018 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	93	32	25,474	11.2	58.3	188
Plant Date	3/9/2018	C.V. %	1.1	3.8	10.8	6.8	2.8	1.8	7.5	
Harvest Date	8/11/2018	P>f (hybrid)	0.000	0.000	0.000	0.032	0.000	0.000	0.000	
Irrigated	Yes	L.S.D.	1.1	4.9	4.9	2,410.9	0.4	1.4	19.7	
Trial Notes										
Row Spacing (in)	30	Cooperator Texas A&M AgriLife Research Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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								
Number of Rows	2									
Seeds per Acre	30,000									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	17.6									
Irrigation (in)										
Herbicide										
		Soil Type	Ships Clay							
		Tillage	Conventional							
		Previous Crop	Corn							

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

College Station

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Terral Seed, Inc.	REV	25LPR26	233	
Terral Seed, Inc.	REV	23LPR55	218	
Progeny Ag Products	Progeny	PGY6119	218	
Crop Production Services	Dyna-Gro	58SS65	215	
Progeny Ag Products	Progeny	PGY6116	211	
Wilbur-Ellis Company	Integra	9678	211	194
Wilbur-Ellis Company	Integra	6533	211	
Wilbur-Ellis Company	Integra	6647	202	
Wilbur-Ellis Company	Integra	6400	201	
Progeny Ag Products	Progeny	PGY5115	197	

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

2018 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)
Legend	LR97TX16	Genuity VT Double PRO	N/A	69	22	18,178	10.5	53.4	61
Legend	LR97TX14	Genuity VT Double PRO	N/A	63	21	17,340	10.6	52.5	58
Dyna-Gro	D54VC14	Genuity VT Double PRO	N/A	65	17	18,848	10.9	53.9	55
Integra	6588	Genuity VT Double PRO	N/A	69	24	16,251	11.0	53.7	53
Progeny	EXP1814		N/A	63	19	16,586	11.0	54.1	53
Integra	9678	Genuity VT Double PRO	N/A	69	25	17,005	11.0	53.7	52
Progeny	PGY6119	Genuity VT Double PRO	N/A	62	23	15,916	10.9	53.8	50
Progeny	PGY8116	SmartStax	N/A	65	25	17,592	11.1	54.2	50
NuTech	5F713	Optimum AcreMax (AM-R)	N/A	76	21	17,424	10.0	52.1	50
NK	NK1694	Agrisure Viptera 3111	N/A	71	22	16,754	11.0	53.9	49
Dyna-Gro	D52SS63	SmartStax	N/A	65	19	17,843	10.8	53.2	49
DEKALB	DKC 62-08	Genuity SmartStax	N/A	61	23	15,749	10.3	51.9	49
Legend	LR98T16	Genuity VT Double PRO	N/A	70	25	16,000	10.6	53.2	48
REV	23LPR55	Leptra	N/A	76	20	16,419	10.5	52.7	47
Legend	LR98T14	Genuity VT Double PRO	N/A	65	21	17,759	11.2	54.4	47
Integra	6400	Genuity SmartStax	N/A	69	24	15,246	10.6	53.4	47
REV	24BHR99	Optimum Intrasect	N/A	74	25	16,419	10.8	52.9	46
Dyna-Gro	D56VC46	Genuity VT Double PRO	N/A	64	25	17,173	10.8	53.1	45
Pioneer	P1847	Leptra	N/A	76	24	17,173	11.1	54.1	45
Mission	A1677	Genuity VT Double PRO	N/A	76	26	17,005	10.4	52.5	44
LG Seeds	66C32	SmartStax	N/A	66	26	16,084	10.7	52.1	43

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

Thrall

2018 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	58SS65	Genuity SmartStax	N/A	55	18	16,419	11.0	53.3	43
Pioneer	P1464	Leptra	N/A	77	24	17,173	10.5	52.1	42
NuTech	5F113	Optimum AcreMax (AM-R)	N/A	80	22	16,670	10.4	53.0	42
Legend	LR98T13	Genuity VT Double PRO	N/A	60	22	16,419	10.9	53.5	42
REV	25LPR89	Leptra	N/A	69	18	16,503	10.0	52.5	42
B-H Genetics	8660	Genuity VT Triple PRO	N/A	69	23	16,754	10.6	51.8	41
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	N/A	78	24	14,325	10.1	51.9	41
REV	27LPR79	Leptra	N/A	78	25	17,843	10.9	53.9	40
Progeny	PGY6116	Genuity VT Double PRO	N/A	68	25	16,754	10.5	51.7	40
REV	28LPR18	Leptra	N/A	84	26	16,838	10.7	52.6	40
Mission	A1657	Genuity DG VT Double PRO	N/A	67	24	16,670	10.7	52.3	39
Mission	A1687	Genuity VT Double PRO	N/A	67	25	12,230	10.6	52.8	39
NuTech	5FB-1211	Optimum AcreMax (AM-R)	N/A	68	17	16,000	10.9	52.9	39
NuTech	5FB-4516	Optimum AcreMax (AM-R)	N/A	75	19	16,670	10.5	52.4	38
NuTech	5TN-1919	Leptra	N/A	81	27	15,246	11.2	52.8	38
Progeny	7118	Genuity VT Double PRO	N/A	72	24	16,503	10.2	52.0	38
Integra	6647	Genuity VT Double PRO	N/A	66	22	16,167	10.3	51.7	38
Integra	6533	Genuity VT Double PRO	N/A	62	24	14,827	10.4	51.8	37
Mission	A1637	Genuity VT Double PRO	N/A	71	23	17,005	10.1	52.4	35
REV	25LPR26	Leptra	N/A	77	20	18,345	10.7	53.5	35
Legend	LR9809	Genuity VT Double PRO	N/A	69	23	17,089	10.1	50.7	34

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



Department of Soil and Crop Sciences

Thrall 2018 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	N/A	62	24	17,592	9.7	50.4	32
LG Seeds	5701	Genuity VT Double PRO	N/A	68	23	14,911	9.7	51.4	28
Navajo Seeds	D-Bear	Conventional	N/A	63	16	14,660	10.4	52.8	24

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

Thrall

2018 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	3/5/2018	Mean		69	23	16,542	10.6	52.8	43
Harvest Date	8/20/2018	C.V. %		6.4	12.4	14.4	4.5	1.8	24.0
Irrigated	No	P>f (hybrid)		0.000	0.000	0.536	0.000	0.000	0.001
Row Spacing (in)	30	L.S.D.		6.2	3.9		0.7	1.4	14.5
Number of Rows	2	Trial Notes							
Seeds per Acre	24,000	Below average rainfall, in particular during critical growth stages resulted in lower than normal yields.							
N (lb/ac)		Cooperator Stiles Farm Foundation Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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							
P2O5 (lb/ac)									
K2O (lb/ac)									
Precipitation (in)	12.68								
Irrigation (in)									
Herbicide		Soil Type	Burleson Clay						
		Tillage							
		Previous Crop	Grain Sorghum						

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

Thrall

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Monsanto	DEKALB	DKC 62-08	74	
Crop Production Services	Dyna-Gro	58SS65	68	
Wilbur-Ellis Company	Integra	6400	67	
Wilbur-Ellis Company	Integra	9678	67	62
NuTech Seed, LLC	NuTech	5F113	62	54
Wilbur-Ellis Company	Integra	6533	60	
Terral Seed, Inc.	REV	25LPR26	60	
Terral Seed, Inc.	REV	23LPR55	60	
NuTech Seed, LLC	NuTech	5F713	57	
Wilbur-Ellis Company	Integra	6647	51	

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

2018 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	24BHR99	Optimum Intrasect	77	98	36	24,461	9.5	54.2	103
NuTech	5F113	Optimum AcreMax (AM-R)	75	103	40	23,958	10.2	56.0	99
Dyna-Gro	D56VC46	Genuity VT Double PRO	74	89	34	23,204	10.0	54.0	95
Integra	6533	Genuity VT Double PRO	73	93	37	23,539	10.2	55.2	94
NK	NK1694	Agrisure Viptera 3111	76	93	40	23,623	9.5	54.4	93
Integra	9678	Genuity VT Double PRO	74	91	37	23,874	10.3	54.5	90
Dyna-Gro	D52SS63	SmartStax	75	89	36	22,785	10.5	54.7	89
NuTech	5FB-1211	Optimum AcreMax (AM-R)	75	97	33	22,450	9.9	54.4	89
DEKALB	DKC 62-08	Genuity SmartStax	74	88	38	23,623	9.6	53.3	88
Progeny	PGY6119	Genuity VT Double PRO	75	93	40	22,534	10.6	55.5	88
Pioneer	P1464	Leptra	79	99	41	24,042	10.1	54.7	87
Dyna-Gro	D54VC14	Genuity VT Double PRO	74	91	33	21,864	9.8	54.8	86
Integra	6588	Genuity VT Double PRO	77	94	40	23,037	12.1	56.4	86
Progeny	EXP1814		73	91	33	22,534	9.7	54.9	85
Pioneer	P1847	Leptra	78	101	41	23,204	10.6	55.9	85
Dyna-Gro	58SS65	Genuity SmartStax	76	86	33	23,455	10.7	55.9	84
NuTech	5TN-1919	Leptra	78	104	40	22,199	10.4	55.4	84
LG Seeds	66C32	SmartStax	77	96	39	23,288	9.9	54.6	83
Integra	6400	Genuity SmartStax	74	95	38	23,037	9.9	54.3	83
REV	28LPR18	Leptra	79	96	41	22,115	10.3	55.2	82
Progeny	PGY8116	SmartStax	78	92	39	24,684	11.3	56.3	82

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

Bardwell

2018 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)
NuTech	5FB-4516	Optimum AcreMax (AM-R)	79	98	36	24,712	10.6	54.8	81
LG Seeds	64C18	Genuity VT Double PRO	74	93	32	22,031	9.6	54.5	80
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	78	102	41	22,701	10.0	53.8	80
Mission	A1677	Genuity VT Double PRO	77	96	39	24,293	11.7	55.8	79
LG Seeds	5701	Genuity VT Double PRO	75	92	39	24,042	9.2	53.3	78
Dyna-Gro	D57VC51	Genuity VT Double PRO	76	92	38	23,707	9.4	53.1	78
Progeny	PGY6116	Genuity VT Double PRO	75	97	39	24,042	10.1	53.8	78
REV	25LPR89	Leptra	76	98	38	24,907	9.0	52.6	77
REV	23LPR55	Leptra	76	97	39	23,455	9.0	53.0	76
Mission	A1637	Genuity VT Double PRO	74	95	37	24,544	9.2	52.7	74
Mission	A1657	Genuity DG VT Double PRO	75	92	40	22,031	10.7	55.0	74
REV	25LPR26	Leptra	77	101	40	24,349	9.7	54.6	73
NuTech	5F713	Optimum AcreMax (AM-R)	77	98	43	22,366	9.0	53.4	73
Integra	6647	Genuity VT Double PRO	75	94	37	21,948	10.0	53.7	73
REV	27LPR79	Leptra	80	105	43	24,126	11.4	56.3	72
B-H Genetics	8660	Genuity VT Triple PRO	75	96	40	23,958	9.5	53.8	72
Mission	A1687	Genuity VT Double PRO	74	89	39	19,770	10.3	54.8	72
Navajo Seeds	Ranger	Conventional	80	100	41	21,696	9.8	55.2	60

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

Bardwell 2018 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	95	38	23,236	10.1	54.6	82
Plant Date	3/16/2018	C.V. %	0.9	4.8	7.3	6.3	4.0	0.9	9.0
Harvest Date	7/31/2018	P>f (hybrid)	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Irrigated	No	L.S.D.	1.0	6.3	3.9	2,079.8	0.6	0.7	10.4
Row Spacing (in)	30	Trial Notes							
Number of Rows	2								
Seeds per Acre	24,000	*1 ton/ac chicken litter applied in fall *From June 5-July 5 (flowering, grain fill) 0.2" of rain fell. Lack of moisture combined with excessive temperatures contributed to lower than normal yields.							
N (lb/ac)	122								
P2O5 (lb/ac)									
K2O (lb/ac)									
Precipitation (in)	17.41								
Irrigation (in)									
Herbicide									
2 oz/ac Zidua pre-emerge									
		Soil Type	Branyon Clay						
		Tillage	Minimum						
		Previous Crop	Wheat						
		Cooperator Bob & Steven Beakley							
		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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.

Bardwell

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Wilbur-Ellis Company	Integra	6533	135	
Crop Production Services	Dyna-Gro	58SS65	133	
NuTech Seed, LLC	NuTech	5F113	133	
Wilbur-Ellis Company	Integra	9678	133	124
Terral Seed, Inc.	REV	23LPR55	133	
Monsanto	DEKALB	DKC 62-08	131	
Wilbur-Ellis Company	Integra	6647	128	
NuTech Seed, LLC	NuTech	5F713	127	
Wilbur-Ellis Company	Integra	6400	127	
Terral Seed, Inc.	REV	25LPR26	121	

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

Greenville 2018 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)
DEKALB	DKC 62-08	Genuity SmartStax	N/A	91	37	19,283	12.3	54.1	112
Dyna-Gro	D52SS63	SmartStax	N/A	92	38	20,144	13.1	54.5	110
Legend	LR98T13	Genuity VT Double PRO	N/A	91	36	19,111	13.1	55.6	108
Dyna-Gro	D54VC14	Genuity VT Double PRO	N/A	87	33	19,542	13.2	55.6	108
Legend	LR97TX14	Genuity VT Double PRO	N/A	91	34	19,197	12.4	53.5	107
Axis	64N21	Genuity VT Double PRO	N/A	92	36	19,886	13.4	55.0	106
Legend	LR97TX16	Genuity VT Double PRO	N/A	96	36	19,111	14.1	53.1	106
Legend	LR98T14	Genuity VT Double PRO	N/A	92	33	20,747	13.3	55.1	105
REV	25LPR89	Leptra	N/A	97	38	20,403	13.3	54.4	105
REV	28LPR18	Leptra	N/A	98	41	19,025	12.3	54.4	105
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	N/A	99	41	19,886	12.9	54.4	103
NuTech	5FB-1211	Optimum AcreMax (AM-R)	N/A	98	35	20,403	12.5	53.9	102
Legend	LR98T16	Genuity VT Double PRO	N/A	93	39	18,681	13.3	54.2	102
NuTech	5TN-1919	Leptra	N/A	101	43	18,767	11.5	53.9	102
Axis	64B28	Genuity VT Double PRO	N/A	89	33	18,681	11.9	55.4	102
REV	23LPR55	Leptra	N/A	100	37	19,025	11.6	53.6	102
Axis	66T27	Genuity VT Double PRO	N/A	94	39	19,283	11.8	53.7	102
Axis	65H25	Genuity VT Double PRO	N/A	93	38	19,025	13.1	54.7	101
Dyna-Gro	D56VC46	Genuity VT Double PRO	N/A	86	33	20,058	13.2	54.0	101
Dyna-Gro	58SS65	Genuity SmartStax	N/A	88	33	19,800	13.0	55.6	101
NuTech	5F713	Optimum AcreMax (AM-R)	N/A	98	39	20,230	12.4	53.5	101

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

Greenville 2018 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)
NuTech	5F113	Optimum AcreMax (AM-R)	N/A	97	35	21,436	13.6	55.2	101
REV	25LPR26	Leptra	N/A	99	37	18,939	11.4	53.9	100
LG Seeds	66C32	SmartStax	N/A	96	38	19,283	13.3	54.7	100
Integra	6588	Genuity VT Double PRO	N/A	92	38	17,045	13.1	56.0	98
LG Seeds	5701	Genuity VT Double PRO	N/A	92	37	19,197	12.6	53.4	98
Integra	9678	Genuity VT Double PRO	N/A	89	36	19,197	12.5	54.8	98
B-H Genetics	8660	Genuity VT Triple PRO	N/A	94	39	20,230	13.4	53.8	97
Integra	6533	Genuity VT Double PRO	N/A	92	37	18,423	12.6	55.2	96
REV	24BHR99	Optimum Intrasect	N/A	97	41	20,317	12.1	52.7	95
Dyna-Gro	D57VC51	Genuity VT Double PRO	N/A	93	37	17,131	12.8	53.9	95
NuTech	5FB-4516	Optimum AcreMax (AM-R)	N/A	96	36	17,820	12.3	54.3	95
Integra	6400	Genuity SmartStax	N/A	93	37	18,423	12.3	54.5	94
Integra	6647	Genuity VT Double PRO	N/A	95	38	17,820	12.7	54.3	93
REV	27LPR79	Leptra	N/A	103	42	19,800	12.9	55.3	91
LG Seeds	64C18	Genuity VT Double PRO	N/A	91	34	19,025	12.0	54.1	89
Legend	LR9809	Genuity VT Double PRO	N/A	91	36	18,337	12.8	51.2	82

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

Greenville 2018 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	94	37	19,263	12.7	54.3	100
Plant Date	3/13/2018	C.V. %		2.1	6.0	7.1	9.4	1.3	8.8
Harvest Date	8/29/2018	P>f (hybrid)		0.000	0.000	0.006	0.360	0.000	0.006
Irrigated	No	L.S.D.		2.7	3.1	1,928.2		1.0	12.4
Row Spacing (in)	30	Trial Notes							
Number of Rows	2								
Seeds per Acre	24,000								
N (lb/ac)									
P2O5 (lb/ac)									
K2O (lb/ac)									
Precipitation (in)	27.19								
Irrigation (in)									
Herbicide									
		Soil Type	Clay						
		Tillage							
		Previous Crop							

Cooperator Texas A&M AgriLife Research

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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.

Greenville

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Monsanto	DEKALB	DKC 62-08	155	
Terral Seed, Inc.	REV	23LPR55	150	
Terral Seed, Inc.	REV	25LPR26	149	
Wilbur-Ellis Company	Integra	6533	145	
Wilbur-Ellis Company	Integra	9678	139	
Wilbur-Ellis Company	Integra	6647	138	
NuTech Seed, LLC	NuTech	5F713	136	
NuTech Seed, LLC	NuTech	5F113	136	119
Crop Production Services	Dyna-Gro	58SS65	135	
Wilbur-Ellis Company	Integra	6400	133	

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

2018 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)
DEKALB	DKC 62-08	Genuity SmartStax	65	109	55	32,502	18.5	55.4	267
REV	25LPR26	Leptra	68	115	55	35,351	18.8	56.8	262
REV	27LPR79	Leptra	68	118	61	34,345	20.0	57.2	262
NuTech	5F713	Optimum AcreMax (AM-R)	65	114	56	33,340	18.6	55.7	260
B-H Genetics	8660	Genuity VT Triple PRO	64	118	54	33,843	19.3	55.4	260
Progeny	PGY6116	Genuity VT Double PRO	64	117	53	32,502	19.9	55.8	258
NuTech	5FB-4516	Optimum AcreMax (AM-R)	69	117	57	33,591	19.8	55.6	258
Integra	9678	Genuity VT Double PRO	65	112	59	32,754	20.0	56.4	258
REV	23LPR55	Leptra	64	116	51	32,084	19.1	56.7	257
Integra	6588	Genuity VT Double PRO	66	110	56	33,759	20.5	57.4	257
Progeny	PGY8116	SmartStax	69	112	58	36,523	20.1	57.7	257
LG Seeds	5643	SmartStax	65	117	59	33,619	19.1	56.3	256
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	67	116	55	34,262	18.8	56.1	256
Progeny	EXP1814		63	110	49	31,665	18.1	56.1	256
Mycogen	MY13M87	SmartStax	63	107	47	33,173	19.6	56.7	256
REV	25LPR89	Leptra	66	117	55	36,635	19.9	55.9	256
Hoegemeyer	HPT 8529	Optimum AcreMax (AM-R)	69	116	54	34,429	19.1	56.2	255
Mycogen	MY12G38	SmartStax	66	113	53	34,094	19.8	54.6	253
Hoegemeyer	HPT 8556	Optimum AcreMax (AM-R)	66	118	55	35,434	18.6	56.7	253
Hoegemeyer	HPT 8415	Optimum AcreMax (AM-R)	65	120	53	34,848	19.0	56.4	253
Integra	6284	Genuity VT Double PRO	65	113	53	33,089	17.0	57.9	253

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

Sunray

2018 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)
NuTech	5FB-1211	Optimum AcreMax (AM-R)	64	114	49	34,094	18.5	56.7	253
Integra	6533	Genuity VT Double PRO	64	118	51	29,906	19.4	56.5	252
Agventure	AV8614	Optimum Intrasect	69	114	52	35,351	19.9	55.7	252
Integra	6400	Genuity SmartStax	64	118	55	31,944	19.4	54.8	251
Progeny	PGY5115	Genuity VT Double PRO	65	117	54	30,157	17.9	56.5	250
LG Seeds	66C32	SmartStax	68	116	54	32,502	19.6	56.6	248
LG Seeds	68C88	Genuity VT Double PRO	67	117	57	34,094	19.5	57.8	247
REV	28LPR18	Leptra	66	115	53	30,995	19.6	57.6	246
Progeny	7118	Genuity VT Double PRO	65	116	55	33,508	18.6	56.0	245
Integra	6474	Genuity VT Double PRO	66	116	56	30,576	19.0	56.4	244
Mycogen	MY09V46	Powercore	64	110	53	33,927	17.1	55.4	244
REV	24BHR99	Optimum Intrasect	67	120	56	33,731	18.6	56.7	241
Progeny	PGY6119	Genuity VT Double PRO	65	119	55	31,162	19.8	58.0	239

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

Sunray

2018 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	115	54	33,347	19.1	56.4	253
Plant Date	5/16/2018	C.V. %	2.0	3.2	7.4	6.2	4.7	1.7	4.0	
Harvest Date	10/22/2018	P>f (hybrid)	0.000	0.000	0.002	0.001	0.000	0.000	0.095	
Irrigated	Yes	L.S.D.	1.9	5.2	5.6	3,085.2	1.4	1.5		
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	Cooperator Tommy Cartrite Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II 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									
N (lb/ac)										
P2O5 (lb/ac)										
K2O (lb/ac)										
Precipitation (in)	15.69	Soil Type	Clay loam							
Irrigation (in)		Tillage								
Herbicide		Previous Crop								

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

Sunray

Corn

Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Monsanto	DEKALB	DKC 62-08	265	
Terral Seed, Inc.	REV	23LPR55	264	
Wilbur-Ellis Company	Integra	9678	263	267
Terral Seed, Inc.	REV	25LPR26	259	
Progeny Ag Products	Progeny	PGY6116	258	
NuTech Seed, LLC	NuTech	5F713	258	267
Wilbur-Ellis Company	Integra	6533	258	
LG Seeds	LG Seeds	5643	257	
Wilbur-Ellis Company	Integra	6400	255	
Progeny Ag Products	Progeny	PGY6119	253	
Progeny Ag Products	Progeny	PGY5115	251	
Wilbur-Ellis Company	Integra	6474	248	

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.

Spearman 2018 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	N/A	105	51	32,279	17.8	58.1	261
Hoegemeyer	HPT 8529	Optimum AcreMax (AM-R)	N/A	116	45	31,944	17.0	58.1	260
Integra	6474	Genuity VT Double PRO	N/A	111	48	30,073	16.3	55.9	259
Agventure	AV8212	Optimum Intrasect	N/A	106	41	30,327	16.3	56.9	259
REV	23LPR55	Leptra	N/A	109	47	30,416	16.1	57.3	258
REV	28LPR18	Leptra	N/A	110	46	28,518	16.9	58.2	257
DEKALB	DKC 62-08	Genuity SmartStax	N/A	101	51	30,576	17.0	57.3	257
REV	25LPR26	Leptra	N/A	112	45	31,093	18.0	58.5	256
Progeny	EXP1814		N/A	100	41	31,694	15.7	57.8	256
LG Seeds	5643	SmartStax	N/A	107	44	30,324	16.2	56.5	254
Hoegemeyer	HPT 8556	Optimum AcreMax (AM-R)	N/A	112	45	32,233	18.1	58.0	253
LG Seeds	66C32	SmartStax	N/A	107	50	30,492	18.2	57.8	252
REV	25LPR89	Leptra	N/A	113	47	30,492	17.3	58.5	252
REV	27LPR79	Leptra	N/A	119	48	28,398	19.8	58.6	251
Hoegemeyer	HPT 8415	Optimum AcreMax (AM-R)	N/A	106	43	28,817	15.3	56.7	251
Integra	6284	Genuity VT Double PRO	N/A	105	44	30,073	16.0	56.8	249
NuTech	5FB-1211	Optimum AcreMax (AM-R)	N/A	104	40	29,487	16.7	57.4	249
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	N/A	110	46	29,469	16.6	56.8	248
Progeny	PGY6116	Genuity VT Double PRO	N/A	106	43	31,665	19.1	57.4	246
NuTech	5FB-4516	Optimum AcreMax (AM-R)	N/A	112	44	31,274	20.9	57.6	245
B-H Genetics	8660	Genuity VT Triple PRO	N/A	105	44	30,715	18.8	56.8	245

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



Department of Soil and Crop Sciences

Spearman 2018 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	N/A	106	43	28,482	18.8	57.5	245
Mycogen	MY09V46	Powercore	N/A	95	39	31,852	16.0	57.3	244
Mycogen	MY12G38	SmartStax	N/A	109	47	31,330	18.5	55.2	243
Integra	6533	Genuity VT Double PRO	N/A	103	43	28,817	18.1	57.9	243
NuTech	5F713	Optimum AcreMax (AM-R)	N/A	112	48	29,375	15.2	57.3	242
Integra	9678	Genuity VT Double PRO	N/A	103	45	29,490	18.8	57.3	238
Integra	6400	Genuity SmartStax	N/A	104	46	29,710	15.5	57.5	235
Progeny	7118	Genuity VT Double PRO	N/A	110	47	30,911	16.3	56.2	230
LG Seeds	68C88	Genuity VT Double PRO	N/A	107	46	28,398	18.2	57.8	230
Progeny	PGY5115	Genuity VT Double PRO	N/A	104	41	28,474	16.2	56.9	229
Mycogen	MY13M87	SmartStax	N/A	100	41	29,319	17.7	57.4	227
REV	24BHR99	Optimum Intrasect	N/A	101	42	26,301	16.2	57.4	225
Integra	6588	Genuity VT Double PRO	N/A	106	48	26,918	18.5	58.3	224

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

Spearman 2018 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	5/2/2018	Mean		107	45	29,992	17.3	57.4	246
Harvest Date	9/26/2018	C.V. %		3.5	7.6	9.3	9.7	1.5	7.4
Irrigated	Yes	P>f (hybrid)		0.000	0.000	0.601	0.001	0.000	0.218
Row Spacing (in)	30	L.S.D.		5.2	4.8		2.5	1.3	
Number of Rows	2	Trial Notes							
Seeds per Acre	32,000								
N (lb/ac)	270								
P2O5 (lb/ac)	80								
K2O (lb/ac)	0								
Precipitation (in)	15.55								
Irrigation (in)	30	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 Almaco meter units on a JD Max-Emerge II 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									
2.5 oz/A Panther + 3 oz/A Balance Flexx applied early post-emerge									
Soil Type	Silty clay loam								
Tillage	Strip-till								
Previous Crop	Cotton								

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

Spearman Corn Multi-Year Summary



Company	Brand	Hybrid	2 yr AVG Yield (bu/acre)	3 yr AVG Yield (bu/acre)
Wilbur-Ellis Company	Integra	6533	263	
LG Seeds	LG Seeds	5643	261	
Progeny Ag Products	Progeny	PGY6119	261	
Terral Seed, Inc.	REV	23LPR55	260	
Wilbur-Ellis Company	Integra	6474	255	
Progeny Ag Products	Progeny	PGY6116	252	
Wilbur-Ellis Company	Integra	6400	249	
Terral Seed, Inc.	REV	25LPR26	246	
NuTech Seed, LLC	NuTech	5F713	241	259
Wilbur-Ellis Company	Integra	9678	240	247
Progeny Ag Products	Progeny	PGY5115	229	

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.

Stratford 2018 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	72	97	40	29,569	19.5	57.9	262
REV	25LPR89	Leptra	74	97	43	31,027	19.2	57.0	261
Agventure	AV8614	Optimum Intrasect	75	102	42	26,974	20.4	55.8	260
REV	28LPR18	Leptra	76	103	43	27,583	21.0	55.3	259
LG Seeds	66C32	SmartStax	76	97	42	29,333	20.6	56.2	258
REV	25LPR26	Leptra	75	96	40	29,068	19.4	57.1	256
Hoegemeyer	HPT 8415	Optimum AcreMax (AM-R)	73	101	43	29,939	17.9	55.7	256
NuTech	5FB-4516	Optimum AcreMax (AM-R)	77	100	43	28,398	20.5	55.8	254
Hoegemeyer	HPT 8529	Optimum AcreMax (AM-R)	74	101	43	28,462	19.9	56.6	254
B-H Genetics	8660	Genuity VT Triple PRO	72	95	44	29,296	20.3	55.7	252
Integra	9678	Genuity VT Double PRO	74	93	43	28,608	20.6	56.2	251
Integra	6284	Genuity VT Double PRO	75	95	43	30,157	18.9	57.1	250
NuTech	5F713	Optimum AcreMax (AM-R)	75	98	41	30,463	19.2	57.0	249
DEKALB	DKC 62-08	Genuity SmartStax	73	90	43	28,228	19.0	56.1	249
REV	23LPR55	Leptra	73	96	39	28,943	18.5	56.9	249
LG Seeds	68C88	Genuity VT Double PRO	74	97	45	29,882	19.9	57.2	249
Integra	6474	Genuity VT Double PRO	73	99	47	27,494	19.3	56.2	246
Agventure	AV8513	Optimum Intrasect	76	96	40	29,874	19.5	55.3	246
REV	27LPR79	Leptra	77	102	44	29,068	22.4	57.1	246
Integra	6588	Genuity VT Double PRO	74	99	43	30,159	20.2	57.7	246
Progeny	PGY6116	Genuity VT Double PRO	75	97	42	28,191	22.0	53.6	245

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

Stratford 2018 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	PGY5115	Genuity VT Double PRO	74	96	40	28,441	19.8	56.1	243
Progeny	EXP1814		72	92	39	27,483	18.8	56.9	243
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	75	96	41	29,487	17.9	56.9	241
Agventure	AV8915	Optimum Intrasect	74	98	42	31,241	19.9	57.2	238
Progeny	PGY6119	Genuity VT Double PRO	77	92	41	26,304	23.0	54.8	237
Mycogen	MY13M87	SmartStax	73	95	41	28,166	20.5	56.3	236
REV	24BHR99	Optimum Intrasect	75	98	40	28,859	20.8	55.9	235
Integra	6400	Genuity SmartStax	72	92	40	29,038	19.0	55.8	234
Progeny	PGY8116	SmartStax	77	97	42	27,576	21.5	56.3	234
Hoegemeyer	HPT 8556	Optimum AcreMax (AM-R)	75	101	40	27,557	19.5	56.8	231
Progeny	7118	Genuity VT Double PRO	75	100	45	26,751	19.8	56.3	229
Mycogen	MY09V46	Powercore	73	91	39	29,822	18.2	55.0	227
Mycogen	MY12G38	SmartStax	78	95	38	27,728	21.2	54.4	225
NuTech	5FB-1211	Optimum AcreMax (AM-R)	76	95	35	28,314	20.2	55.1	210

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

Stratford 2018 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 C.V. % P>f (hybrid) L.S.D.	74	97	41	28,785	19.9	56.2	245
Plant Date	5/1/2018		3.0	4.4	10.2	6.5	5.7	1.8	6.1
Harvest Date	10/4/2018		0.002	0.000	0.283	0.029	0.000	0.000	0.000
Irrigated	Yes		3.1	5.9		2,610.0	1.6	1.4	21.0
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*Breakfree ATZ lite @ 1qt/ac + Sentrallis @ 10 oz/ac applied pre plant. Cinch ATZ @ 2 qt/ac + Abundit Edge @ 32 oz/A applied at planting. RealmQ @ 4 oz/ac + Abundit Edge @ 32 oz/ac + Strut @ 6 oz/ac applied post emerge							
Seeds per Acre	32,000	*Comite applied at 2 pt/ac *2.5 lb/ac Sulfur applied							
N (lb/ac)	243								
P2O5 (lb/ac)	16								
K2O (lb/ac)	0								
Precipitation (in)	11.83								
Irrigation (in)									
Herbicide									
		Soil Type	Clay loam						
		Tillage	Strip-till						
		Previous Crop	Forage Sorghum						
		Cooperator Lonestar 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 Almaco meter units on a JD Max-Emerge II 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.

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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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