

2017 TEXAS A&M AGRILIFE EXTENSION CORN HYBRID STRIP TRIALS



**Department of Soil and Crop Science
Texas A&M AgriLife Extension**

**2017 TEXAS A&M AGRILIFE EXTENSION
CORN HYBRID STRIP TRIALS**

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Introduction

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

This year, 13 non-irrigated trials were conducted in the Coastal Bend, Upper Gulf Coast, Blacklands region of Texas for regional evaluation of hybrid performance. Additional hybrids may have been included at any given location at the discretion of the cooperator. Only official entries are included in regional summaries. Commercial seed companies enter one hybrid at their discretion into each region and the hybrid must be entered at all locations within a region.

In addition to south and central Texas trials, small plot trials were conducted at three locations in High Plains region of Texas. Plots were two row and about 25 ft in length. Twelve hybrids were entered at the discretion of producers.

Performance trials are conducted by cooperative arrangements between growers, company representatives and Texas A&M AgriLife Extension personnel. Commercial farm equipment is typically used to plant and harvest. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated three times at each location. All test sites are managed according to practices common to each production region. If replications are not available, statistical analysis cannot be performed and hybrid performance should be considered equal across hybrids for that site, despite numeric differences in yield or other agronomic traits.

Suggestions for Hybrid Selection

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.

Field-Plot Techniques

Hybrid performance trials are conducted at each location using a randomized complete block design with three replications of each entry (hybrid). Seeds for each hybrid are delivered to centralized distribution points in each sub-region. Plots are generally between 4 and 12 rows wide with row spacing ranging from 30 to 40 inches depending on location. All plots are planted using commercial farm equipment provided by growers or cooperators at each location.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Most locations are harvested using commercial farm equipment and yield measured by weighing each plot using “weigh wagons”. Some locations may use hand harvesting of predetermined row lengths followed by mechanical threshing and weighing. Grain moisture and test weight are determined from grab samples and measured using instruments such as the Mini GAC plus or similar instruments.

Data Analysis and Reporting

Data from each location is analyzed statistically using SAS 9.4. 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, moisture, etc.) less than the LSD value represents variation in 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 addition to individual location data, summaries for regional performance are provided. Regional summaries provide least square means for grain yield. Least square means are an estimate of yield from a linear model for each region. The model (PROC MIXED) accounts for fixed and random variables. Replications are considered random, hybrid and location are considered fixed. When hybrid is significant and no interaction (hybrid*location) is present, means separation is provided using Tukeys adjustment ($p < 0.05$).

Rainfall

Available soil moisture during the growing season is often a limiting factor for corn production in Texas. Available moisture will influence decisions on hybrid selection related to maturity and for selection of appropriate seeding rates. Variation in rainfall patterns can be substantial within a production region and from year to year. Rainfall from January 1 through November is provided in Figure 1. Rainfall for individual locations is extracted from NWS precipitation estimates.

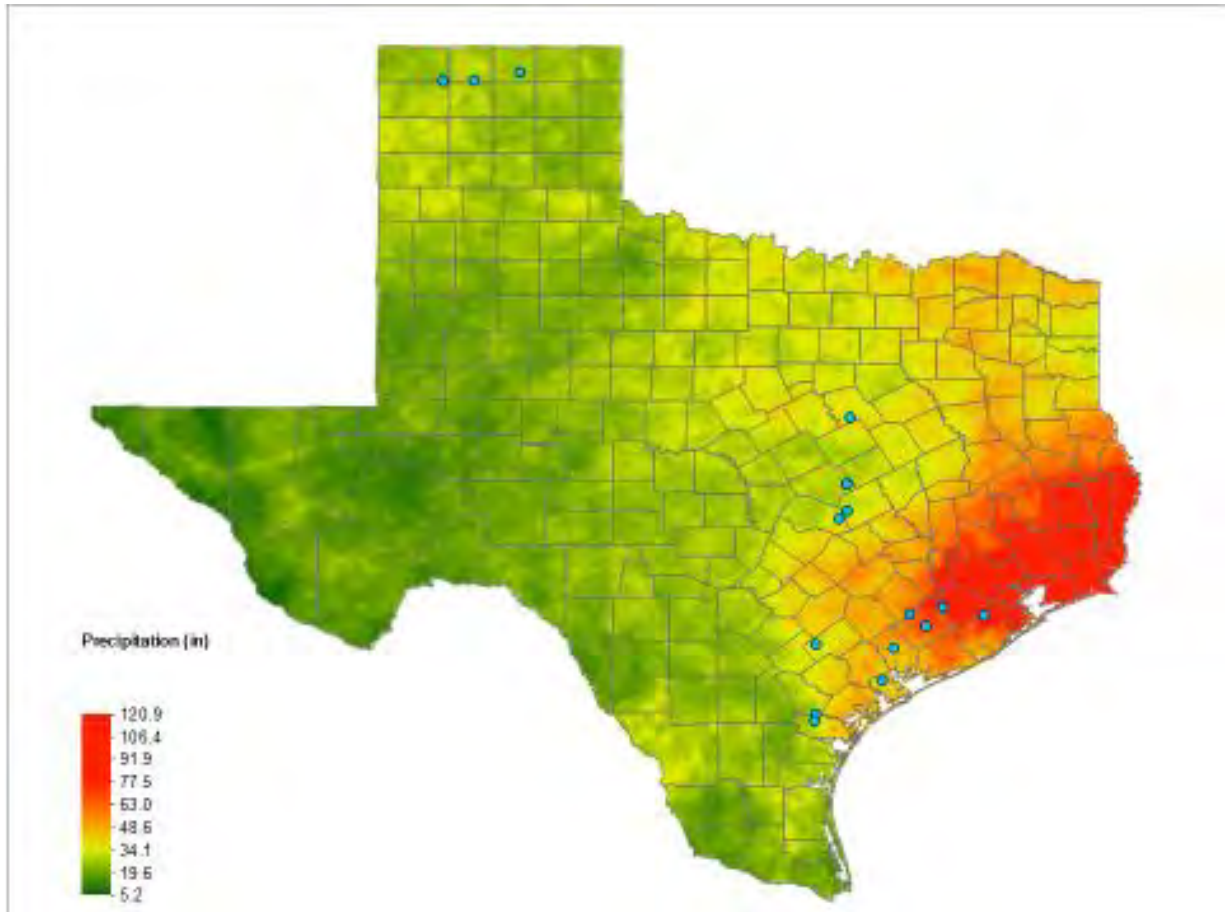


Figure 1. Precipitation in inches 2017 (January 1, 2017 – November 30, 2017).

Company Information:

Company	Contact	Phone	Email
Terral Seed - REV	Marty Hale	318-231-8800	mhale@terralseed.com
CPS Dyna-Gro	Cord Willms	361-960-4399	James.willms@cpsagu.com
Golden Acres Genetics	Chris Sheppard	254-761-9838	csheppard@goldenacres.com
Mycogen Seeds	Adam Owens	817-223-9638	atowens@dow.com
Advanta - Phoenix	Zach Eder	979-332-5138	Zach.eder@advantaseeds.com
Monsanto Dekalb	Steve Carlson		Steve.carlson@monsanto.com
Monsanto Dekalb	Jim Bosch	361-571-4234	James.c.bosch@monsanto.com
Syngenta	Tony Driver	254-848-5553	tony.driver@syngenta.com
B-H Genetics	Travis Janak	361-771-8722	travisj@bhgenetics.com

2017 Corn Coastal Bend Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pro	12.5	59.0	120
CPS Dyna-Gro	Dyna-Gro	D57VP51	12.3	58.7	
Monsanto	Dekalb	DKC 67-14	12.6	59.3	
Mycogen Seeds	Mycogen	MY13M87	12.4	59.3	

Hybrid (Pr>F)	0.000
Location (Pr>F)	0.000
Hybrid*Location (Pr>F)	0.001

Yield is presented as the least square mean. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random effects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

**DeWitt
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.5	60.0	144.1
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	11.6	61.0	142.2
Monsanto	Dekalb	DKC 67-14	GEN VT2P	11.6	61.0	130.2
Mycogen Seeds	Mycogen	MY13M87		11.6	61.0	124.4

Agronomic information

Plant Date	3/1/2017
Harvest Date	7/30/2017
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	20,000
Nitrogen (lb N/ac)	125
Phosphorus (lb P2O5/ac)	16
Potassium (lb K2O/ac)	8
Precipitation (inches)	35.69
Soil Type	Sarnosa fine sandy loam
Herbicide Insecticides	Glyphosate (24 oz) and Atrazine (32 oz)

Mean	11.58	60.75	135.2
C.V. (%)	1.000	0.000	1.5
L.S.D.		0.00	4.1
Pr>F (hybrid)	0.455	0.000	0.000

Cooperator: Chad & Fred Hahn

Agent: Anthony Netardus

Other Agronomic Info

No-till

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

**Refugio
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	13.9	55.0	76.6
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	13.7	55.3	77.8
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	14.0	56.0	76.6
Monsanto	Dekalb	DKC 67-14	GEN VT2P	13.8	56.7	64.1

Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb N/ac)

Phosphorus (lb P2O5/ac)

Potassium (lb K2O/ac)

Precipitation (inches)

Soil Type

Herbicide

Insecticides

Mean	13.84	55.75	74.5
C.V. (%)	3.000	2.000	4.9
L.S.D.			8.1
Pr>F (hybrid)	0.732	0.269	0.017

Cooperator:

Agent:

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

San Patricio County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	13.0	58.3	137.0
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	13.1	57.3	136.3
Dupont	Pioneer	P1311	AM-R	12.7	58.0	134.3
Mycogen Seeds	Mycogen	MY13M87		13.2	57.7	133.7
Golden Acres Genetics	Golden Acres	G4678	GEN VT2P	13.4	57.3	133.0
Monsanto	Dekalb	DKC 67-14	GEN VT2P	13.5	57.7	132.7
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	12.9	57.7	126.2

Agronomic information

Plant Date	2/28/2017
Harvest Date	7/24/2017
Irrigated	No
Row Spacing (in)	30
Number of Rows	12
Seeds per Acre	19,600
Nitrogen (lb N/ac)	84
Phosphorus (lb P2O5/ac)	28
Potassium (lb K2O/ac)	4
Precipitation (inches)	29.44
Soil Type	Victoria clay
Herbicide Insecticides	Round up 20oz/ac, Atrex .75lbs/ac, Prevail- 10 lbs./ac

Mean	13.11	57.71	133.3
C.V. (%)	2.000	1.000	2.1
L.S.D.	0.37		5.0
Pr>F (hybrid)	0.001	0.096	0.013

Cooperator: Ring Brothers Farm
Agent: Bob McCool

Other Agronomic Info

Pop-up Blue Zone 6-26-2 1.5gal/ac

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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2017 Corn Upper Gulf Coast Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pro	14.0	58.1	141
CPS Dyna-Gro	Dyna-Gro	D57VP51	13.9	57.5	138
Terral Seed	REV	25BHR26	13.6	58.8	135
Monsanto	Dekalb	DKC 67-14	14.0	57.8	133
Mycogen Seeds	Mycogen	MY13M87	14.0	57.0	129

Hybrid (Pr>F) 0.000

Location (Pr>F) 0.000

Hybrid*Location (Pr>F) 0.008

Yield is presented as the least square mean. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random effects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

**Brazoria
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	14.4	53.0	90.0
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	14.4	52.7	87.8
Terral Seed	REV	25BHR26	HX1	14.2	54.3	80.3
Mycogen Seeds	Mycogen	MY13M87		15.0	52.0	79.2
Monsanto	Dekalb	DKC 67-14	GEN VT2P	14.3	52.7	78.3

Agronomic information

Plant Date	3/20/2017
Harvest Date	8/5/2017
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	21,000
Nitrogen (lb N/ac)	126
Phosphorus (lb P2O5/ac)	0
Potassium (lb K2O/ac)	0
Precipitation (inches)	79.29
Soil Type	Lake Charles clay
Herbicide Insecticides	Atrazine-34 oz/ac, Honcho-34 oz/ac, Compadre-3.4 oz/ac, Choice-13.6 oz/ac 3-20-1

Mean	14.47	52.93	83.1
C.V. (%)	2.000	1.000	4.2
L.S.D.		1.09	6.6
Pr>F (hybrid)	0.093	0.011	0.010

Cooperator: TDCJ Darrington

Agent: Jessica Chase

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

**Calhoun
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	11.7	60.7	155.1
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.9	59.0	146.4
Terral Seed	REV	25BHR26	HX1	11.6	61.0	139.5
Monsanto	Dekalb	DKC 67-14	GEN VT2P	12.3	59.7	135.3
Mycogen Seeds	Mycogen	MY13M87		12.9	59.7	125.6

Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb N/ac)

Phosphorus (lb P2O5/ac)

Potassium (lb K2O/ac)

Precipitation (inches)

Soil Type

Herbicide

Insecticides

Mean	12.09	60.00	140.4
C.V. (%)	5.000	1.000	6.7
L.S.D.		1.03	17.8
Pr>F (hybrid)	0.101	0.012	0.041

Cooperator:

Agent:

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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**Colorado
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-14	GEN VT2P	12.7	60.4	150.7
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	12.9	60.3	148.3
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	12.7	60.2	147.3
Terral Seed	REV	25BHR26	HX1	12.5	61.2	144.6
Mycogen Seeds	Mycogen	MY13M87		12.4	58.8	143.8
Progeny Ag Products	Progeny	PGY 7215		12.6	61.3	142.1

Agronomic information

Plant Date	3/22/2017
Harvest Date	8/1/2017
Irrigated	No
Row Spacing (in)	40
Number of Rows	4
Seeds per Acre	23,000
Nitrogen (lb N/ac)	152
Phosphorus (lb P2O5/ac)	59
Potassium (lb K2O/ac)	0
Precipitation (inches)	56.67
Soil Type	Laewest clay
Herbicide Insecticides	glyphosate+atrazine+paraquat at planting, 1 qt glyphosate/ac on 4/15/17, Mustang Max 2oz /ac in furrow

Mean	12.62	60.36	146.1
C.V. (%)	2.000	2.000	1.6
L.S.D.			4.3
Pr>F (hybrid)	0.174	0.066	0.011

Cooperator: Leopold Grain

Agent: Stephen Janak

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
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Fort Bend County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR55	OPT INT	14.3	56.7	179.1
Monsanto	Dekalb	DKC 67-14	GEN VT2P	14.2	58.0	176.5
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	13.8	58.0	176.3
Dupont	Pioneer	P1311	AM-R	14.1	57.7	169.1
Syngenta	NK	G16K01	RR	14.2	57.0	163.9
Warner Seeds Inc.	Warner Seed	W4706		14.3	58.3	154.7
Mycogen Seeds	Mycogen	MY13M87		14.1	57.0	154.2

Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb N/ac)

Phosphorus (lb P2O5/ac)

Potassium (lb K2O/ac)

Precipitation (inches)

Soil Type

Herbicide

Insecticides

Mean	14.14	57.52	167.7
C.V. (%)	3.000	1.000	2.4
L.S.D.		1.01	7.2
Pr>F (hybrid)	0.839	0.025	0.000

Cooperator:

Agent:

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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 979-845-2935

Fort Bend County Corn Hybrid Trial 2017



Company	Brand	Hybrid	Trait(s)	Days to Silking	Smut %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB					25,652
Dupont	Pioneer	P1311	AM-R					25,168
Monsanto	Dekalb	DKC 67-14	GEN VT2P					25,168
Mycogen Seeds	Mycogen	MY13M87						24,684
Syngenta	NK	G16K01	RR					25,168
Terral Seed	REV	25BHR55	OPT INT					27,588
Warner Seeds Inc.	Warner Seed	W4706						22,264
Trial Mean								25,099

Jackson County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	14.3	57.2	148.1
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	13.9	56.3	146.9
Terral Seed	REV	25BHR26	HX1	14.4	57.2	146.2
Mycogen Seeds	Mycogen	MY13M87		14.2	56.2	144.5
Monsanto	Dekalb	DKC 67-14	GEN VT2P	14.6	56.5	143.1
Monsanto	Dekalb	DKC 64-69	GEN VT3P	14.4	56.2	139.9

Agronomic information

Plant Date	2/13/2017
Harvest Date	7/17/2017
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	25,000
Nitrogen (lb N/ac)	132
Phosphorus (lb P2O5/ac)	22
Potassium (lb K2O/ac)	11
Precipitation (inches)	43.59
Soil Type	Laewest Clay
Herbicide	Verdict @ 10 oz per acre
Insecticides	

Mean	14.29	56.58	144.8
C.V. (%)	2.000	1.000	4.3
L.S.D.		0.64	
Pr>F (hybrid)	0.134	0.013	0.636

Cooperator: Espinosa Farms

Agent: Mike Hiller

Other Agronomic Info

5.5 lb/A S, 0.22 lb/A Zn

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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979-845-2935

Wharton County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR26	HX1	15.0	60.5	166.7
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P	16.9	59.3	162.1
Monsanto	Dekalb	DKC 67-14	GEN VT2P	16.4	59.7	159.1
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	16.5	59.3	159.0
CPS Dyna-Gro	Dyna-Gro	D58SS65	SSX	15.1	60.8	158.5
Mycogen Seeds	Mycogen	MY13M87		15.6	58.2	152.4

Agronomic information

Plant Date	3/3/2017
Harvest Date	7/7/2017
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	24,500
Nitrogen (lb N/ac)	170
Phosphorus (lb P2O5/ac)	25
Potassium (lb K2O/ac)	0
Precipitation (inches)	69.22
Soil Type	Lake Charles clay
Herbicide Insecticides	Preplant: February 10th - Atrazine. Post Planting: April, applied Atrazine + 2.5 oz/acre Callisto + 24 oz/acre Roundup

Mean	15.92	59.64	159.6
C.V. (%)	2.000	1.000	2.1
L.S.D.	0.57	1.10	6.2
Pr>F (hybrid)	0.000	0.004	0.010

Cooperator: Terry Marek

Agent: Corrie Bowen

Other Agronomic Info

500 lbs/acre of 25-5-0-1.5 S + .04 Zn applied February 2017. 150 lbs/acre 30-0-0-2 sidedressed in April 2017.

Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Wharton County Corn Hybrid Trial 2017



Company	Brand	Hybrid	Trait(s)	Days to Silking	Smut %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB					23,385
CPS Dyna-Gro	Dyna-Gro	D58SS65	SSX					23,156
Golden Acres Genetics	Golden Acres	G6708VT2Pr	GEN VT3P					24,073
Monsanto	Dekalb	DKC 67-14	GEN VT2P					23,614
Mycogen Seeds	Mycogen	MY13M87						23,385
Terral Seed	REV	25BHR26	HX1					23,843
Trial Mean								23,576

2017 Corn Blacklands Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-42	12.6	57.7	106
Mycogen Seeds	Mycogen	MY13M87	11.8	56.7	104
Golden Acres Genetics	Golden Acres	G5788VT2Pro	12.2	57.7	103
CPS Dyna-Gro	Dyna-Gro	D57VP51	11.8	56.5	102
Terral Seed	REV	23BHR55	11.5	55.2	102

Hybrid (Pr>F) 0.325

Location (Pr>F) 0.000

Hybrid*Location (Pr>F) 0.000

Yield is presented as the least square mean. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random effects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

**Bell
County
Corn Hybrid Trial 2017**



Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Winfield	Croplan	5678SS	SSX	12.5	56.0	123.6
Terral Seed	REV	23BHR55	OPT INT	9.4	55.0	121.0
Mycogen Seeds	Mycogen	2V707		10.9	55.0	120.8
Dupont	Pioneer	P1395	AM1	13.3	56.0	120.7
Winfield	Croplan	5678DP	GEN VT2PRIB	12.1	57.0	120.7
Monsanto	Dekalb	DKC 67-42		13.0	57.0	119.6
Dupont	Pioneer	P1366	AMXT-R	12.9	56.0	118.6
Golden Acres Genetics	Golden Acres	G5788VT2Pr	GEN VT2P	12.6	59.0	118.4
Mycogen Seeds	Mycogen	MY13M87		10.8	58.0	118.3
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.7	55.0	117.7
B-H Genetics	B-H Genetics	BH 8845	GEN VT3P	12.7	58.0	117.2
Mycogen Seeds	Mycogen	2V777	SSX	10.1	53.0	117.1
Dupont	Pioneer	P1197	AM-R	10.8	55.0	117.0
Winfield	Croplan	7927	GEN VT3PRIB	13.1	56.0	116.5
Dupont	Pioneer	P1311	AM-R	11.1	56.0	108.8

**Bell
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
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Agronomic information

Plant Date	3/23/2017
Harvest Date	7/27/2017
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	135
Phosphorus (lb P2O5/ac)	45
Potassium (lb K2O/ac)	0
Precipitation (inches)	27.99
Soil Type	Branyon clay
Herbicide Insecticides	1 application of roundup

Mean	11.80	56.13	118.4
C.V. (%)			
L.S.D.			
Pr>F (hybrid)			

Cooperator: Strip Plot - Wayne Tyroch/ Enerst Brenek

Agent: Lyle Zoeller

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

Bell County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-42		12.8	57.0	124.1
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.3	55.7	123.3
Terral Seed	REV	23BHR55	OPT INT	10.2	54.7	122.3
Golden Acres Genetics	Golden Acres	G5788VT2Pr	GEN VT2P	11.5	58.3	121.2
Mycogen Seeds	Mycogen	MY13M87		11.1	56.3	117.0

Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb N/ac)

Phosphorus (lb P2O5/ac)

Potassium (lb K2O/ac)

Precipitation (inches)

Soil Type

Herbicide

Insecticides

Mean	11.37	56.40	121.6
C.V. (%)	6.000	1.000	2.9
L.S.D.	1.33	1.50	
Pr>F (hybrid)	0.020	0.005	0.208

Cooperator:

Agent:

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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 ronschnell@tamu.edu
 979-845-2935

Hill County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.8	58.9	112.3
Mycogen Seeds	Mycogen	MY13M87		12.1	58.6	109.5
Golden Acres Genetics	Golden Acres	G5788VT2Pr	GEN VT2P	12.2	60.3	105.3
Dupont	Pioneer	P1311	AM-R	11.5	55.2	103.3
Monsanto	Dekalb	DKC 67-42		12.3	60.1	102.4
Terral Seed	REV	23BHR55	OPT INT	11.5	55.9	93.6

Agronomic information

Plant Date	3/10/2017
Harvest Date	8/6/2017
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	26,500
Nitrogen (lb N/ac)	110
Phosphorus (lb P2O5/ac)	26
Potassium (lb K2O/ac)	0
Precipitation (inches)	33.09
Soil Type	Houston Black clay
Herbicide	
Insecticides	

Mean	11.91	58.17	104.4
C.V. (%)	1.000	1.000	3.8
L.S.D.	0.27	0.83	7.1
Pr>F (hybrid)	0.000	0.000	0.003

Cooperator: Ernie Joe Kolar

Agent: Zach Davis

Other Agronomic Info

125 lbs Anhydrous pre plant, 6 gallons 11-37-0 at planting

Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

Milam County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-42		11.0	57.7	81.5
CPS Dyna-Gro	Dyna-Gro	D58SS65	SSX	11.0	56.0	81.2
Golden Acres Genetics	Golden Acres	G5788VT2Pr	GEN VT2P	11.0	56.0	81.1
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	11.0	55.3	80.4
Dupont	Pioneer	P1311	AM-R	11.0	54.7	77.9
Mycogen Seeds	Mycogen	MY13M87		11.0	55.5	77.0
Terral Seed	REV	23BHR55	OPT INT	11.0	54.0	73.4

Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb N/ac)

Phosphorus (lb P2O5/ac)

Potassium (lb K2O/ac)

Precipitation (inches)

Soil Type

Herbicide

Insecticides

Mean	11.00	55.60	78.9
C.V. (%)	0.000	3.000	6.1
L.S.D.	0.00		
Pr>F (hybrid)		0.314	0.392

Cooperator:

Agent:

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

**Williamson
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	23BHR55	OPT INT	13.4	56.0	117.9
Monsanto	Dekalb	DKC 67-42		14.4	56.0	117.5
Mycogen Seeds	Mycogen	MY13M87		13.6	56.0	109.7
Golden Acres Genetics	Golden Acres	G5788VT2Pr	GEN VT2P	14.1	56.0	104.1
Monsanto	Dekalb	DKC 64-69	GEN VT3P	13.2	56.0	99.6
CPS Dyna-Gro	Dyna-Gro	D57VP51	GEN VT3PRIB	13.9	56.0	90.0

Agronomic information

Plant Date	3/12/2017
Harvest Date	8/3/2017
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	128
Phosphorus (lb P2O5/ac)	30
Potassium (lb K2O/ac)	6
Precipitation (inches)	34.99
Soil Type	Branyon clay
Herbicide	
Insecticides	

Mean	13.76	56.00	107.6
C.V. (%)	3.000	0.000	8.2
L.S.D.	0.79	0.00	
Pr>F (hybrid)	0.038		0.051

Cooperator: Stiles Farm - Ryan Collett

Agent: Cooper Terril

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

2017 Corn High Plains Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Syngenta	NK	N83D	18.3	57.8	242
Monsanto	Dekalb	DKC 70-27	18.6	57.3	236
Wilbur-Ellis	Integra	6400	17.8	57.0	235
Syngenta	NK	N73Y	18.0	56.3	235
Monsanto	Channel	217-41	17.7	59.1	235
CPS Dyna-Gro	Dyna-Gro	D54DC94	18.3	57.6	234
Wilbur-Ellis	Integra	6273	17.9	57.8	231
Monsanto	Dekalb	DKC 64-34	18.4	57.2	231
Dupont	Pioneer	P1828	17.8	55.8	229
CPS Dyna-Gro	Dyna-Gro	D58VC37	18.8	57.7	229
Monsanto	Channel	216-36	18.6	57.9	228
Dupont	Pioneer	P1197	18.6	56.7	227

Yield is presented as the least square mean. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random effects in the model, including hybrid (f) location (l) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

2017 Corn High Plains Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
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Hybrid (Pr>F) 0.679

Location (Pr>F) 0.000

Hybrid*Location (Pr>F) 0.335

Yield is presented is the least square mean. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random affects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

**Dallam
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Channel	216-36		20.9	57.9	182.3
CPS Dyna-Gro	Dyna-Gro	D58VC37		21.7	58.2	174.8
Monsanto	Dekalb	DKC 64-34		20.6	57.8	174.5
Wilbur-Ellis	Integra	6400		20.0	59.0	172.9
Dupont	Pioneer	P1828	AM-R	19.5	57.9	172.8
Dupont	Pioneer	P1197	AM-R	20.1	57.9	172.4
Syngenta	NK	N83D	V3111	20.3	58.5	170.7
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	20.9	58.2	169.5
Wilbur-Ellis	Integra	6273		19.5	57.6	169.4
Monsanto	Channel	217-41	GEN DGVT2P	21.9	58.6	166.7
Monsanto	Dekalb	DKC 70-27		21.2	57.4	161.6
Syngenta	NK	N73Y		20.5	57.2	157.7

**Dallam
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
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Agronomic information

Plant Date	5/30/2017
Harvest Date	10/31/2017
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	32,000
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	23.68
Soil Type	Sherm clay loam
Herbicide	
Insecticides	

Mean	20.58	58.01	170.5
C.V. (%)	8.000	2.000	10.1
L.S.D.			
Pr>F (hybrid)	0.466	0.506	0.857

Cooperator: Ronald Meyer

Agent: Mike Bragg

Other Agronomic Info

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
 Dr. Ronnie Schnell
 ronschnell@tamu.edu
 979-845-2935

Dallam County Corn Hybrid Trial 2017



Company	Brand	Hybrid	Trait(s)	Days to Silking	Fumonisin (ppm)	Smut %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	68	33.5	4	92	35	28,649
CPS Dyna-Gro	Dyna-Gro	D58VC37		68	14.7	6	89	33	28,482
Dupont	Pioneer	P1197	AM-R	68	24.7	5	93	34	27,979
Dupont	Pioneer	P1828	AM-R	68	38.2	11	93	34	28,733
Monsanto	Channel	216-36		69	68.5	3	92	32	28,817
Monsanto	Channel	217-41	GEN DGVT2P	68	39.3	7	90	31	29,654
Monsanto	Dekalb	DKC 64-34		68	41.8	4	89	31	28,565
Monsanto	Dekalb	DKC 70-27		68	26.0	9	92	35	29,571
Syngenta	NK	N73Y		67	1.3	6	93	34	24,963
Syngenta	NK	N83D	V3111	68	6.8	9	91	35	29,152
Wilbur-Ellis	Integra	6273		68	12.2	4	92	34	29,403
Wilbur-Ellis	Integra	6400		68	87.0	4	91	35	29,152
Trial Mean				68	32.8	6	91	33	28,593

**Hansford
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Syngenta	NK	N83D	V3111	14.6	60.3	276.9
Wilbur-Ellis	Integra	6400		13.3	58.7	276.5
Monsanto	Dekalb	DKC 70-27		14.5	59.1	275.0
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	13.7	59.5	272.4
Syngenta	NK	N73Y		14.0	59.3	271.9
Monsanto	Channel	217-41	GEN DGVT2P	13.8	60.8	270.2
Monsanto	Dekalb	DKC 64-34		14.7	60.4	263.6
CPS Dyna-Gro	Dyna-Gro	D58VC37		14.3	60.1	263.1
Dupont	Pioneer	P1828	AM-R	13.6	58.7	262.4
Wilbur-Ellis	Integra	6273		14.0	59.6	261.9
Monsanto	Channel	216-36		13.9	59.3	255.7
Dupont	Pioneer	P1197	AM-R	15.0	59.8	252.8

Hansford County Corn Hybrid Trial 2017



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	14.11	59.62	266.9
Plant Date	4/27/2017		C.V. (%)	8.000	2.000	6.7
Harvest Date	10/26/2017		L.S.D.			
Irrigated	Yes		Pr>F (hybrid)	0.548	0.434	0.629
Row Spacing (in)	30		Cooperator:	Travis Patteron		
Number of Rows	2		Agent:	Andrew Sprague		
Seeds per Acre	32,000		Other Agronomic Info			
Nitrogen (lb N/ac)			Thanks to Andrew Sprague, J.R. Sprague, Scott Strawn, Kristy Slough for collaboration on the trial.			
Phosphorus (lb P2O5/ac)			Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or: Dr. Ronnie Schnell ronschnell@tamu.edu 979-845-2935			
Potassium (lb K2O/ac)						
Precipitation (inches)	29.78					
Soil Type	Perryton silty clay loam					
Herbicide						
Insecticides						

Hansford County Corn Hybrid Trial 2017



Company	Brand	Hybrid	Trait(s)	Days to Silking	Fumonisin (ppm)	Smut %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	76	17.9		111	41	31,162
CPS Dyna-Gro	Dyna-Gro	D58VC37		76	8.5		111	42	30,660
Dupont	Pioneer	P1197	AM-R	77	12.2		112	42	32,000
Dupont	Pioneer	P1828	AM-R	77	10.9		113	43	30,604
Monsanto	Channel	216-36		75	22.2		115	43	30,722
Monsanto	Channel	217-41	GEN DGVT2P	76	4.8		116	43	31,578
Monsanto	Dekalb	DKC 64-34		76	17.1		115	43	29,859
Monsanto	Dekalb	DKC 70-27		76	6.6		112	43	31,139
Syngenta	NK	N73Y		76	3.2		114	43	30,660
Syngenta	NK	N83D	V3111	76	1.5		112	40	24,126
Wilbur-Ellis	Integra	6273		76	1.0		114	43	32,030
Wilbur-Ellis	Integra	6400		76	3.8		114	41	31,242
Trial Mean				76	9.1		113	42	30,482

**Moore
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Syngenta	NK	N83D	V3111	20.0	54.5	277.2
Syngenta	NK	N73Y		19.6	52.2	274.7
Monsanto	Dekalb	DKC 70-27		20.1	55.5	270.8
Monsanto	Channel	217-41	GEN DGVT2P	17.4	57.6	266.7
Wilbur-Ellis	Integra	6273		20.0	56.3	261.5
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	20.1	55.2	261.0
Dupont	Pioneer	P1197	AM-R	20.8	52.3	256.1
Wilbur-Ellis	Integra	6400		20.0	53.2	255.3
Monsanto	Dekalb	DKC 64-34		19.8	53.4	254.4
Dupont	Pioneer	P1828	AM-R	20.5	50.7	251.5
CPS Dyna-Gro	Dyna-Gro	D58VC37		20.3	54.9	248.5
Monsanto	Channel	216-36		21.2	56.5	245.3

**Moore
County
Corn Hybrid Trial 2017**



Department of Soil and Crop Sciences

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
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Agronomic information

Plant Date	4/27/2017
Harvest Date	10/13/2017
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	32,000
Nitrogen (lb N/ac)	192
Phosphorus (lb P2O5/ac)	0
Potassium (lb K2O/ac)	0
Precipitation (inches)	27.11
Soil Type	Spurlock loam
Herbicide Insecticides	Basis Blend + Brash + Atrazine applied; 3/17. Cinch ATZ + Sharpen + Roundup; applied at planting. Status + IronClad + Atrazine applied post emergence

Mean	19.97	54.34	260.2
C.V. (%)	10.000	7.000	5.7
L.S.D.			
Pr>F (hybrid)	0.671	0.498	0.078

Cooperator: Justin Crownover; Lonestar Family Farms

Agent: Marcel Fischbacher

Other Agronomic Info

*Comite 2 applied pre-tassel; *Prevathon applied at silking for earworm & SWCB; *Prevathon applied at dough stage for SWCB
*Phosphorous levels high in field

Model : yield = hybrid + blk. LSD provided when hybrid significant at p < 0.05 (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Moore County Corn Hybrid Trial 2017



Company	Brand	Hybrid	Trait(s)	Days to Silking	Fumonisin (ppm)	Smut %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	79	57.0	1	102	41	30,660
CPS Dyna-Gro	Dyna-Gro	D58VC37		79	4.8	0	98	37	29,989
Dupont	Pioneer	P1197	AM-R	80	8.7	0	101	42	30,939
Dupont	Pioneer	P1828	AM-R	79	8.6	1	103	41	30,068
Monsanto	Channel	216-36		78	32.8	0	97	38	29,598
Monsanto	Channel	217-41	GEN DGVT2P	79	10.3	0	100	38	31,330
Monsanto	Dekalb	DKC 64-34		80	80.8	0	100	40	28,895
Monsanto	Dekalb	DKC 70-27		80	29.1	0	103	44	31,497
Syngenta	NK	N73Y		80	3.1	0	100	40	29,822
Syngenta	NK	N83D	V3111	80	2.6	0	102	40	30,995
Wilbur-Ellis	Integra	6273		79	2.4	0	99	42	31,274
Wilbur-Ellis	Integra	6400		80	6.2	1	101	41	29,040
Trial Mean				79	20.5	0	101	40	30,342

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