SCS-2016-26

2016 TEXAS A&M AGRILIFE EXTENSION UNIFORM CORN HYBRID TRIALS

Texas A&M AgriLife Extension Service - Texas A&M University
Department of Soil and Crops Sciences - 2474 TAMU - College Station -TX -77843-2474

2016 TEXAS A&M AGRILIFE EXTENSION
UNIFORM CORN HYBRID TRIALS

Ronnie Schnell, Ph.D.
Josh McGinty, Ph.D.
Seth Murray, Ph.D.
Clint Livingston
Stephen Biles
Eric Taylor
Stephen Janak
Anthony Netardus
John Gordy
Mike Hiller
Brent Batchelor
Corrie Bowen
Lyle Zoeller
Mark Arnold
Floyd Ingram
Ryan Collett
Cooper Terril
Bob McCool
Mike Bragg
Andrew Sprague
J.R. Sprague
Scott Strawn
Marcel Fischbacher

Collaborators & Cooperators

Shannon Farms/ Dennis Klump
Leopold Grain
Fred and Chad Hahn
Alan and Lisa Stasney
Gabrysch Farms
Hansen Farms
Terry Marek Farms
Troch/Brenek Farm
Ricky Johnston Farm
Buddy Johnson
Stiles Farm Foundation
Charles Ring
Travis Patterson
Gerlad Wilhelm
Justin Crownover

TABLE OF CONTENTS

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, eleven non-irrigated and one irrigated test sites were planted in the Gulf Coast and Blackland Prairie Region. Excessive rainfall prevented planting or resulted in crop failure at several locations. The Upper Gulf Coast had eight official entries and the Blacklands had seven official entries. 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 in the High Plains region of Texas. Plots were two row and about 25 ft in length. 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 9.3. 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 sorghum 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. 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 is provided in Figure 1.

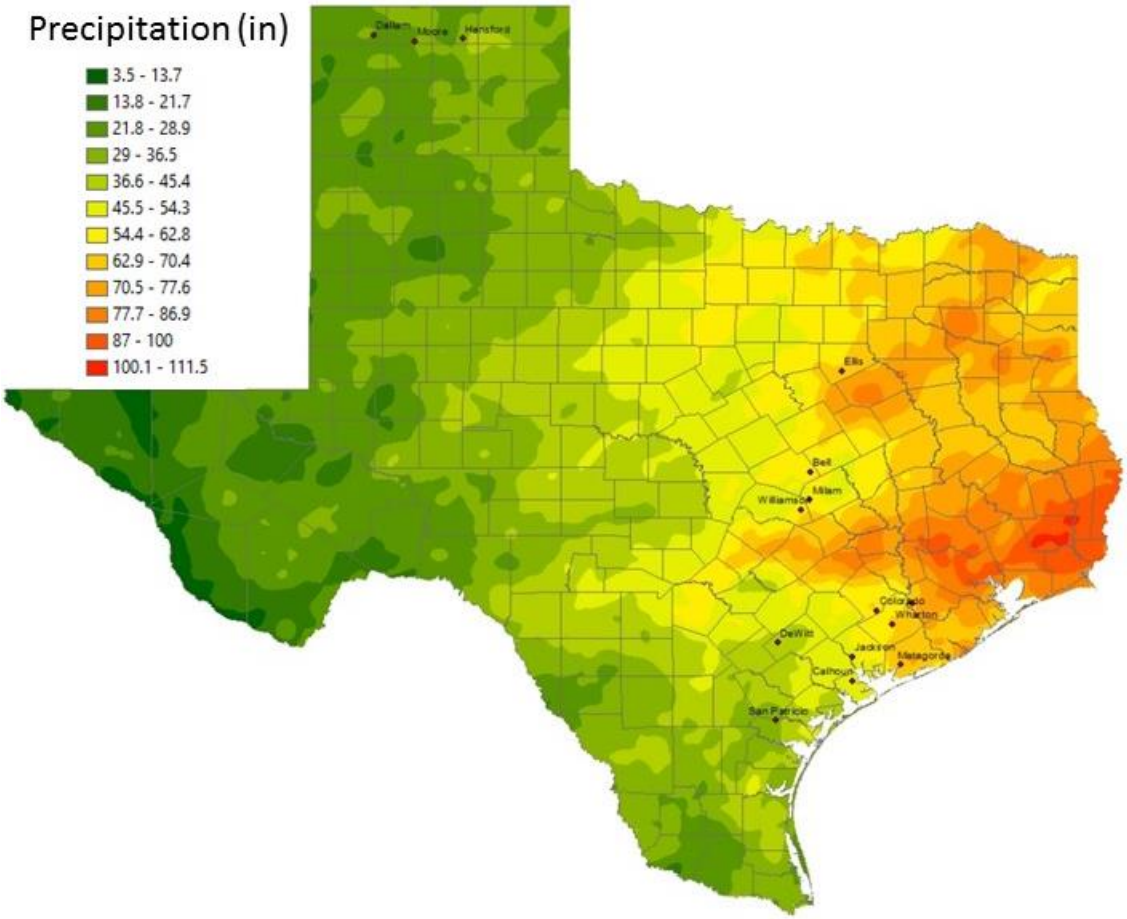


Figure 1. Precipitation in inches for the water year 2016 (October 1, 2015 - September 30, 2016).

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	Travis Kidd	806-340-2031	Travis.kidd@advantaseeds.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

2016 Corn
Upper Gulf Coast
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR26	14.0	58.5	143
Mycogen Seeds	Mycogen	2C786	13.9	56.3	135
Monsanto	Dekalb	DKC 67-72	14.7	57.6	134
Syngenta	NK	N78S	14.2	56.2	131
Golden Acres Genetics	Golden Acres	G6611	14.5	57.2	130
Advanta	Phoenix	6542A4	13.6	56.4	129
B-H Genetics	B-H Genetics	BH 8465SS	14.2	56.9	128
CPS Dyna-Gro	Dyna-Gro	D54VC52	14.8	57.7	127

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

Yield is presented as the least square mean, which is an estimate from a linear model. 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.

Calhoun County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-72	GEN VT2P	13.2	58.0	141.1
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	13.2	58.3	134.9
Terral Seed	REV	25BHR26	HX1	13.5	59.7	130.1
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	12.0	58.0	129.6
Mycogen Seeds	Mycogen	2C786	SSX	12.8	56.0	127.1
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	12.7	57.0	124.4
Advanta	Phoenix	6542A4	V3111	11.8	56.3	122.8
Syngenta	NK	N78S	V3111	12.1	56.3	122.0
Mean				12.68	57.46	129.0
C.V. (%)				3.000	1.000	7.2
L.S.D.				0.60	0.89	
Pr>F (hybrid)				0.000	0.000	0.258

Agronomic information

Plant Date	3/22/2016
Harvest Date	8/1/2016
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	22.04
Soil Type	Laewest clay

Cooperator: Shannon Farms/ Dennis Klump

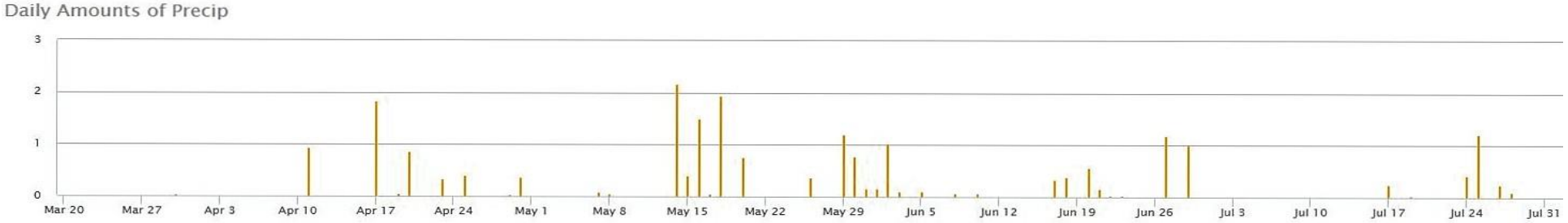
Agent: Eric Taylor

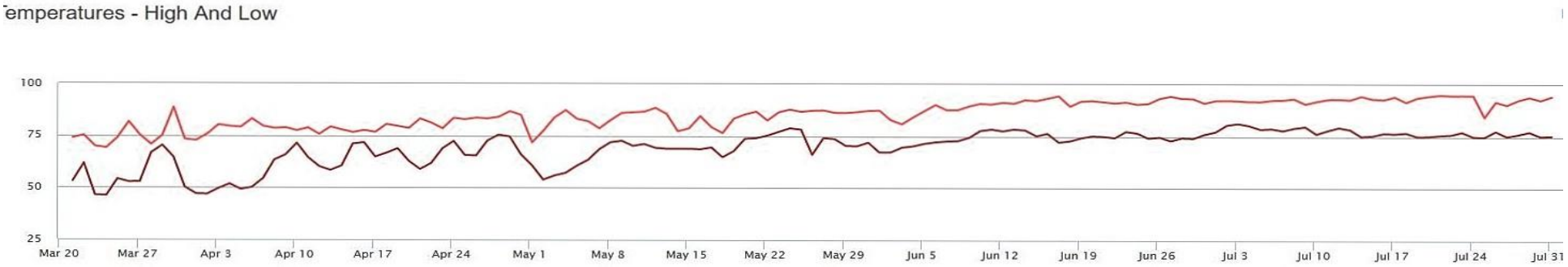
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Calhoun County
2016 Corn
Uniform Hybrid Trial

Weather Information





Colorado County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR26	HX1	14.4	59.7	171.4
Monsanto	Dekalb	DKC 67-72	GEN VT2P	15.2	59.7	160.7
Syngenta	NK	N78S	V3111	15.5	57.0	152.2
Mycogen Seeds	Mycogen	2C786	SSX	14.7	56.5	151.9
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	14.7	58.2	148.3
Advanta	Phoenix	6542A4	V3111	15.1	56.7	143.5
Texas A&M AgriLife Res	TAMU	102	RR	15.6	58.5	142.6
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	14.9	58.2	134.4
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	15.0	59.2	121.3
B-H Genetics	B-H Genetics	BH 8590	GEN VT2P	14.9	59.2	102.3
Mean				15.00	58.27	142.9
C.V. (%)				2.000	1.000	8.6
L.S.D.				0.59	1.09	21.1
Pr>F (hybrid)				0.013	0.000	0.000

Agronomic information

Plant Date	3/16/2016
Harvest Date	8/1/2016
Irrigated	No
Row Spacing (in)	40
Number of Rows	4
Seeds per Acre	23,000
Nitrogen (lb N/ac)	147
Phosphorus (lb P2O5/ac)	46
Potassium (lb K2O/ac)	12
Precipitation (inches)	27.54
Soil Type	Laewest clay

Cooperator: Leopold Grain

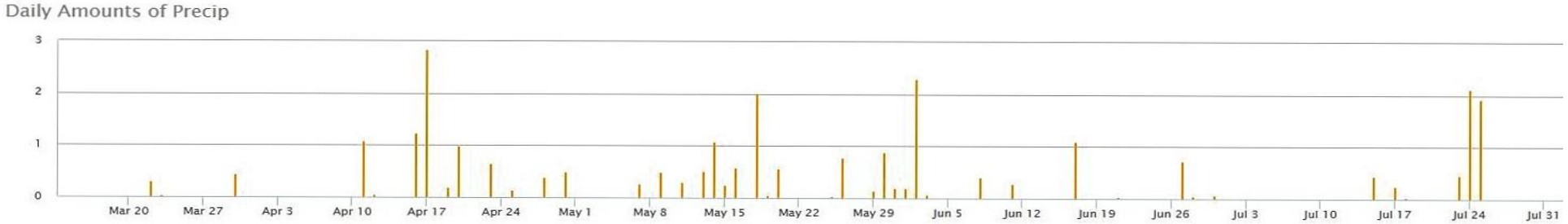
Agent: Stephen Janak

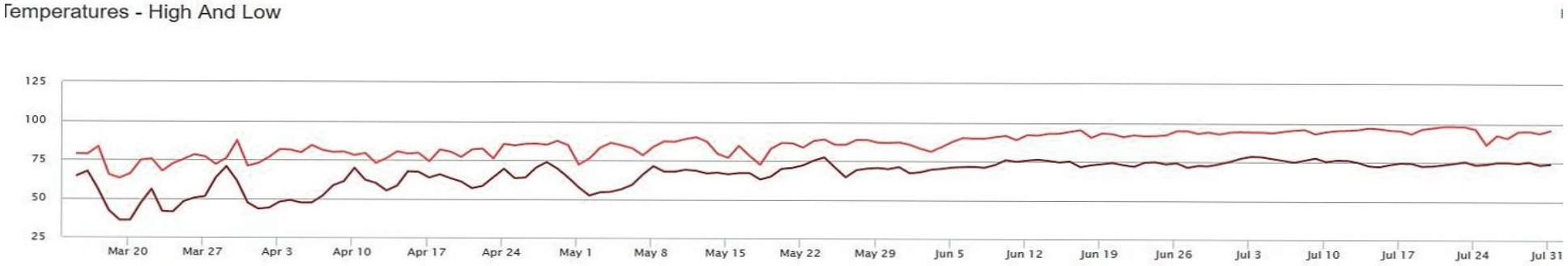
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Colorado County
2016 Corn
Uniform Hybrid Trial

Weather Information





DeWitt County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-72	GEN VT2P	11.4	59.8	145.9
Croplan	Croplan	6640	GEN VT3P	11.3	60.3	145.3
Advanta	Phoenix	6542A4	V3111	10.9	58.5	142.7
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	11.2	60.2	140.8
Terral Seed	REV	25BHR26	HX1	11.5	61.3	137.9
Mycogen Seeds	Mycogen	2C797	SSX	10.5	59.0	137.3
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	11.1	59.5	137.2
Mycogen Seeds	Mycogen	2C786	SSX	10.7	58.7	135.9
Syngenta	NK	N78S	V3111	10.8	58.3	135.8
Monsanto	Dekalb	DKC 62-08	GEN SSX	10.6	59.0	128.0
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	11.6	60.8	121.2
Mean				11.06	59.58	137.1
C.V. (%)				2.000	1.000	7.3
L.S.D.				0.52	1.01	
Pr>F (hybrid)				0.004	0.000	0.267

Agronomic information

Plant Date	3/3/2016
Harvest Date	8/6/2016
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	20,000
Nitrogen (lb N/ac)	89
Phosphorus (lb P2O5/ac)	43
Potassium (lb K2O/ac)	12
Precipitation (inches)	14.38
Soil Type	Sarnosa fine sandy loam

Cooperator: Fred and Chad Hahn

Agent: Anthony Netardus

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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979-845-2935

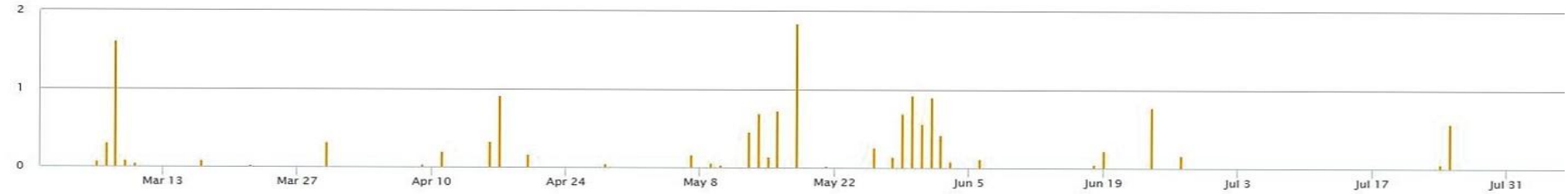
DeWitt County
2016 Corn
Uniform Hybrid Trial

Weather Information

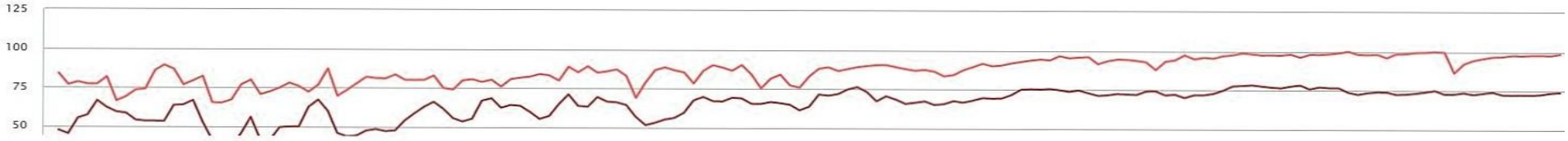
Precipitation

Accumulated Precip

Daily Amounts of Precip



Temperatures - High And Low



Fort Bend County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-72	GEN VT2P	14.0	57.7	157.5
Texas A&M AgriLife Res	TAMU	102	RR	14.2	58.0	154.3
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	14.0	57.3	153.9
Terral Seed	REV	25BHR26	HX1	14.0	57.3	153.7
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	14.1	56.7	152.1
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	13.9	55.7	151.7
Mycogen Seeds	Mycogen	2C786	SSX	14.0	56.2	147.1
Advanta	Phoenix	6542A4	V3111	14.0	56.0	144.7
Syngenta	NK	N78S	V3111	14.0	56.3	143.9
Mean				14.03	56.80	151.0
C.V. (%)				1.000	1.000	2.6
L.S.D.					1.41	6.8
Pr>F (hybrid)				0.461	0.029	0.006

Agronomic information

Plant Date	2/18/2016
Harvest Date	8/5/2016
Irrigated	No
Row Spacing (in)	36
Number of Rows	6
Seeds per Acre	24,000
Nitrogen (lb N/ac)	157
Phosphorus (lb P2O5/ac)	5
Potassium (lb K2O/ac)	1
Precipitation (inches)	29.71
Soil Type	Lake Charles clay

Cooperator: Alan and Lisa Stasney

Agent: John Gordy

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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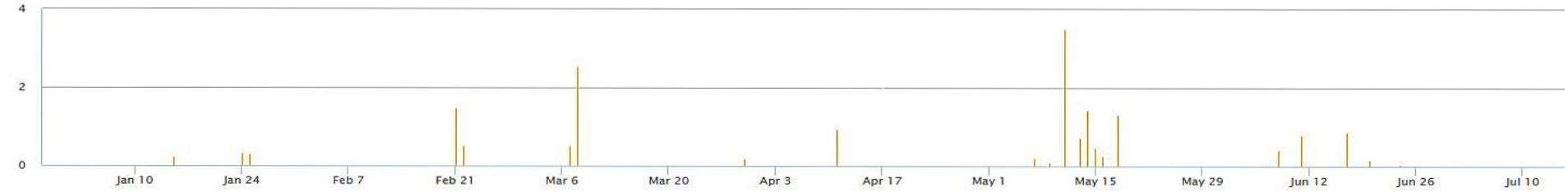
ronschnell@tamu.edu
979-845-2935

Fort Bend County
2016 Corn
Uniform Hybrid Trial

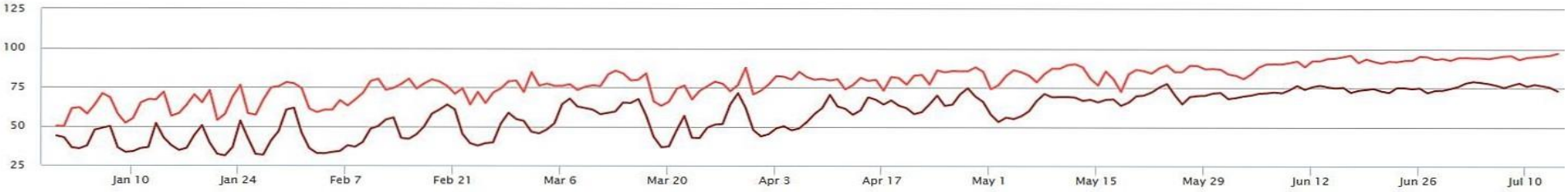
Weather Information

Accumulated Precip

Daily Amounts of Precip



Temperatures - High And Low



Jackson County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR26	HX1	15.4	56.0	122.8
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	15.1	56.0	121.3
Mycogen Seeds	Mycogen	2C786	SSX	15.0	56.0	116.0
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	14.2	56.0	115.4
Monsanto	Dekalb	DKC 67-72	GEN VT2P	14.2	56.0	110.7
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	14.0	56.0	102.2
Syngenta	NK	N78S	V3111	14.2	56.0	101.7
Advanta	Phoenix	6542A4	V3111	14.1	56.0	100.2
Mean				14.53	56.00	111.3
C.V. (%)				1.000	0.000	5.2
L.S.D.				0.23	0.00	10.1
Pr>F (hybrid)				0.000		0.001

Agronomic information

Plant Date	2/17/2016
Harvest Date	7/11/2016
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	25,000
Nitrogen (lb N/ac)	120
Phosphorus (lb P2O5/ac)	14
Potassium (lb K2O/ac)	5
Precipitation (inches)	26.24
Soil Type	Laewest clay

Cooperator: Gabrysch Farms

Agent: Mike Hiller

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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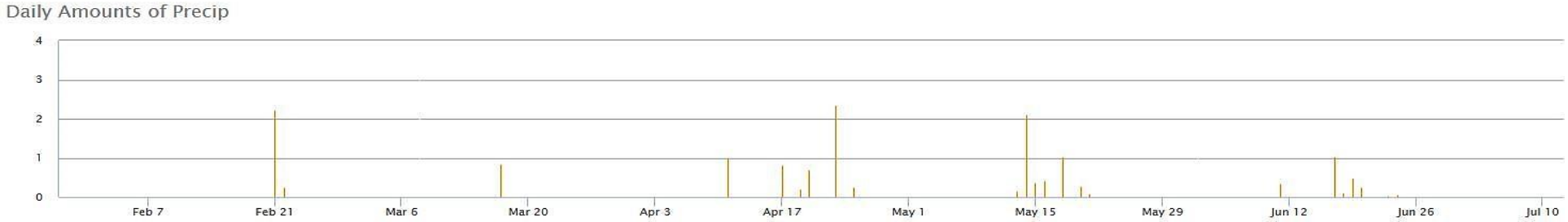
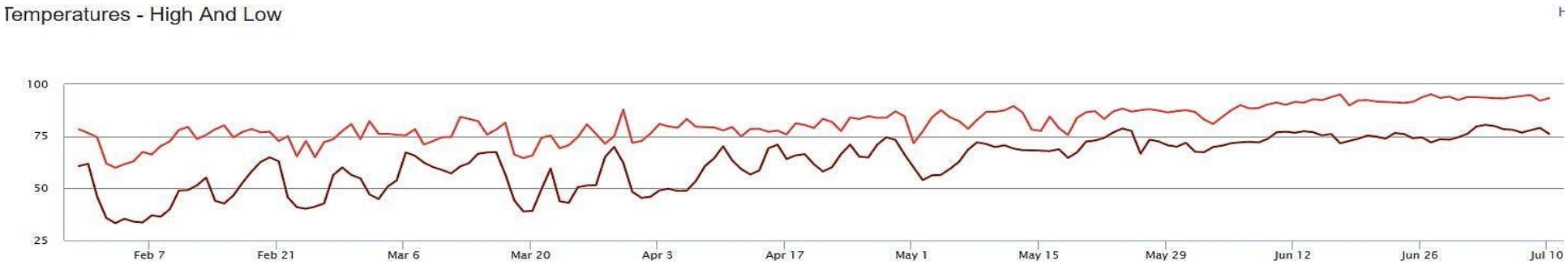
979-845-2935

Jackson County
2016 Corn
Uniform Hybrid Trial

Weather Information





Matagorda County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	12.6	56.0	150.2
Monsanto	Dekalb	DKC 67-72	GEN VT2P	13.1	56.0	148.7
Terral Seed	REV	25BHR26	HX1	13.2	56.0	146.8
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	12.6	56.0	143.4
Advanta	Phoenix	6542A4	V3111	12.8	56.0	138.7
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	12.1	56.0	138.6
Syngenta	NK	N78S	V3111	12.8	56.0	133.1
Mycogen Seeds	Mycogen	2C786	SSX	12.5	56.0	130.8
Mean				12.71	56.00	141.3
C.V. (%)						
L.S.D.						
Pr>F (hybrid)						

Agronomic information

Plant Date	2/21/2016
Harvest Date	8/31/2016
Irrigated	No
Row Spacing (in)	40
Number of Rows	6
Seeds per Acre	26,000
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	36.77
Soil Type	Bacliff clay

Cooperator: Hansen Farms

Agent: Brent Batchelor

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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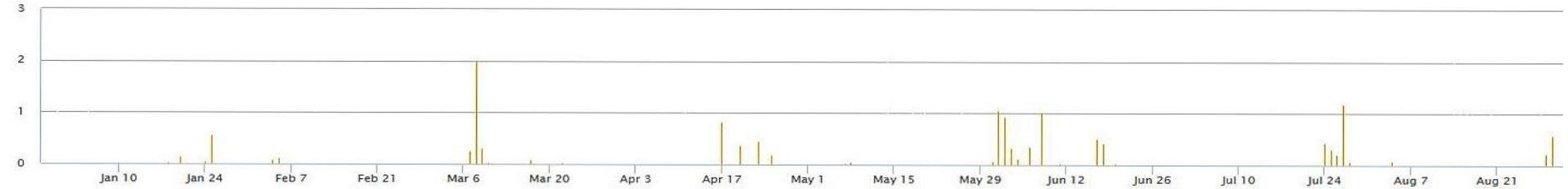
ronschnell@tamu.edu
979-845-2935

Matagorda County
2016 Corn
Uniform Hybrid Trial

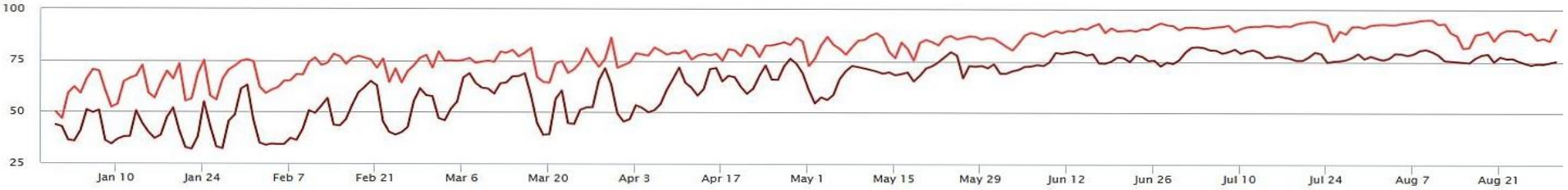
Weather Information

Accumulated Precip

Daily Amounts of Precip



Temperatures - High And Low



Wharton County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Terral Seed	REV	25BHR26	HX1	15.6	58.0	137.5
Mycogen Seeds	Mycogen	2C786	SSX	16.8	54.8	133.6
Syngenta	NK	N78S	V3111	19.0	53.0	124.8
Advanta	Phoenix	6542A4	V3111	16.1	54.8	110.3
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	21.4	56.0	101.6
B-H Genetics	B-H Genetics	BH 8465SS	GEN SSX	19.3	55.2	90.4
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	20.2	53.7	77.8
Monsanto	Dekalb	DKC 67-72	GEN VT2P	21.0	55.0	76.7
Mean				18.66	55.06	106.6
C.V. (%)				23.000	3.000	11.1
L.S.D.					2.45	20.6
Pr>F (hybrid)				0.577	0.023	0.000

Agronomic information

Plant Date	3/4/2016
Harvest Date	7/29/2016
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	140
Phosphorus (lb P2O5/ac)	21
Potassium (lb K2O/ac)	0
Precipitation (inches)	31.80
Soil Type	Lake Charles clay

Cooperator: Terry Marek

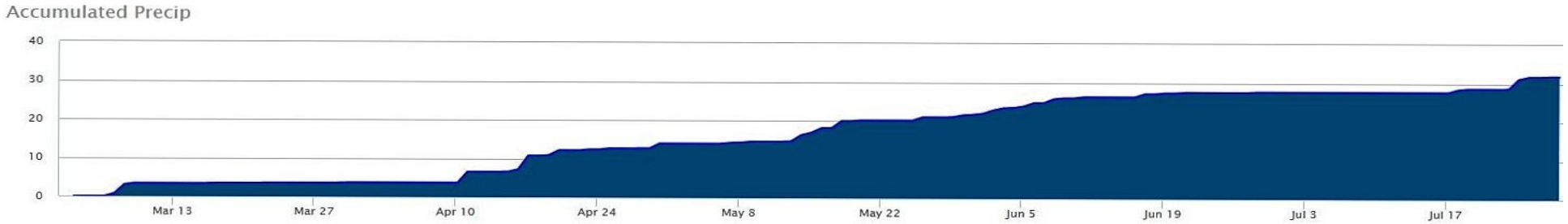
Agent: Corrie Bowen

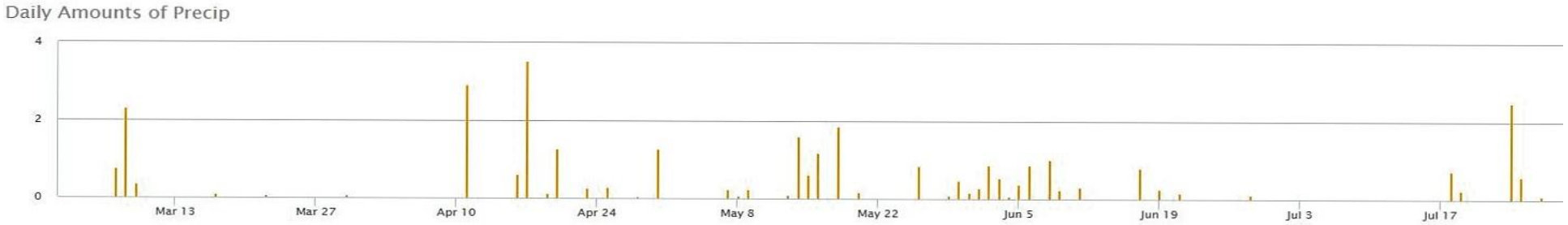
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

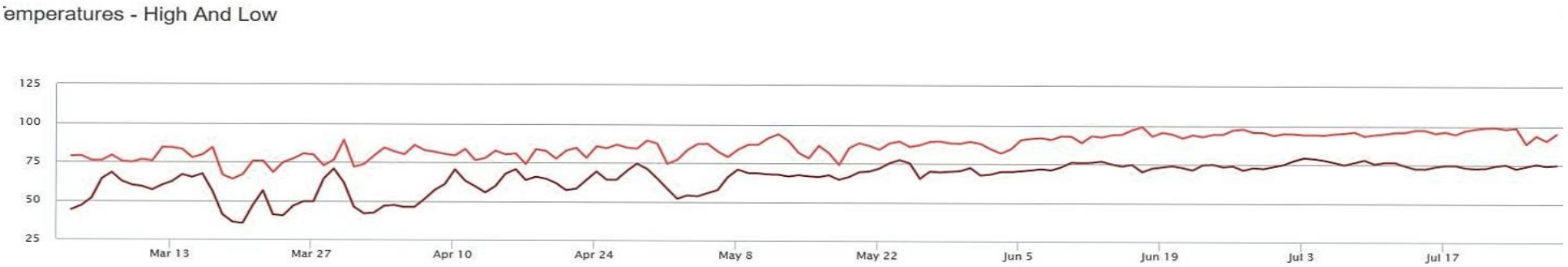
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Wharton County
2016 Corn
Uniform Hybrid Trial

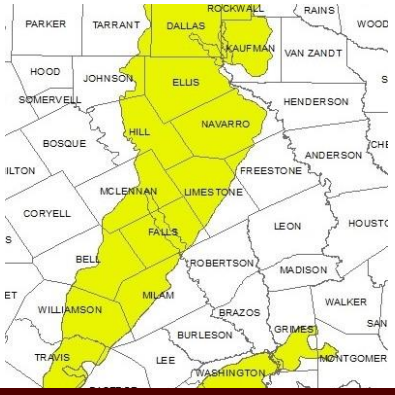
Weather Information







2016 Corn Blacklands Regional Summary



Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-14	10.9	54.8	132
Mycogen Seeds	Mycogen	2C786	10.8	56.5	120
Advanta	Phoenix	6542A4	10.6	55.6	118
Golden Acres Genetics	Golden Acres	G7601	10.9	55.2	117
Terral Seed	REV	25BHR26	11.0	57.3	117
CPS Dyna-Gro	Dyna-Gro	D54VC52	11.1	56.3	114
B-H Genetics	B-H Genetics	BH 8590	11.0	55.9	113

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

Yield is presented as the least square mean, which is an estimate from a linear model. 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.

Bell County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-14	GEN VT2P	8.6	52.7	65.0
Advanta	Phoenix	6542A4	V3111	8.0	53.0	56.8
Mycogen Seeds	Mycogen	2C786	SSX	9.2	53.7	55.4
B-H Genetics	B-H Genetics	BH 8590	GEN VT2P	9.0	54.3	52.3
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	9.8	55.0	51.9
Terral Seed	REV	25BHR26	HX1	9.4	54.7	51.8
Golden Acres Genetics	Golden Acres	G7601	GEN VT3P	9.4	52.7	47.8
Mean				9.06	53.71	54.4
C.V. (%)				12.000	1.000	8.4
L.S.D.					1.05	8.2
Pr>F (hybrid)				0.503	0.001	0.016

Agronomic information

Plant Date	3/3/2016
Harvest Date	8/10/2016
Irrigated	No
Row Spacing (in)	30
Number of Rows	6
Seeds per Acre	22,600
Nitrogen (lb N/ac)	137
Phosphorus (lb P2O5/ac)	42
Potassium (lb K2O/ac)	0
Precipitation (inches)	26.21
Soil Type	Branyon clay

Cooperator: Tyroch/Brenek Farm

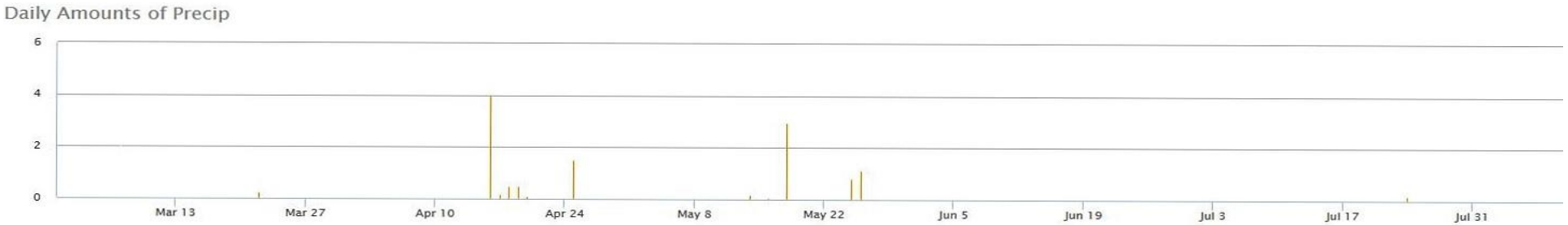
Agent: Lyle Zoeller

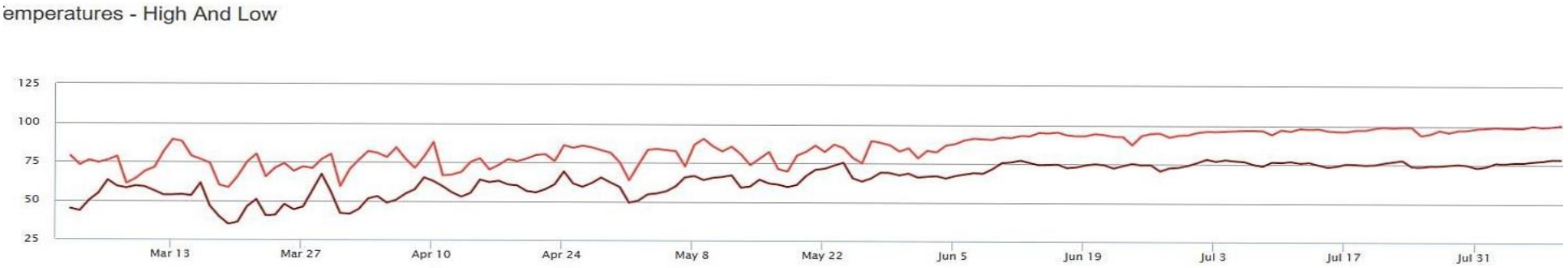
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Bell County
2016 Corn
Uniform Hybrid Trial

Weather Information





Ellis County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-14	GEN VT2P	11.6	56.0	165.6
Monsanto	Dekalb	DKC 67-72	GEN VT2P	11.6	56.0	156.6
Golden Acres Genetics	Golden Acres	G7601	GEN VT3P	11.2	55.0	153.5
Dupont	Pioneer	P1395	AM1	11.5	58.0	152.1
Terral Seed	REV	25BHR26	HX1	11.5	58.0	151.0
Advanta	Phoenix	6542A4	V3111	11.3	55.0	150.9
Syngenta	NK	N79Z	V3111	11.7	56.0	141.8
Syngenta	NK	N78S	V3111	11.6	56.3	140.5
B-H Genetics	B-H Genetics	BH 8590	GEN VT2P	11.7	56.0	140.4
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	11.4	57.0	137.8
Dupont	Pioneer	P2088	AM1	11.4	56.0	137.8
Mycogen Seeds	Mycogen	2C786	SSX	11.3	56.0	135.4
Dupont	Pioneer	P1311	AM-R	11.2	55.0	133.5

	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mean	11.46	56.18	145.9
C.V. (%)			
L.S.D.			
Pr>F (hybrid)			

Agronomic information

Plant Date	3/28/2016
Harvest Date	9/21/2016
Irrigated	No
Row Spacing (in)	30
Number of Rows	8
Seeds per Acre	24,000
Nitrogen (lb N/ac)	140
Phosphorus (lb P2O5/ac)	40
Potassium (lb K2O/ac)	0
Precipitation (inches)	33.35
Soil Type	Burleson clay

Cooperator: Ricky Johnston Farm

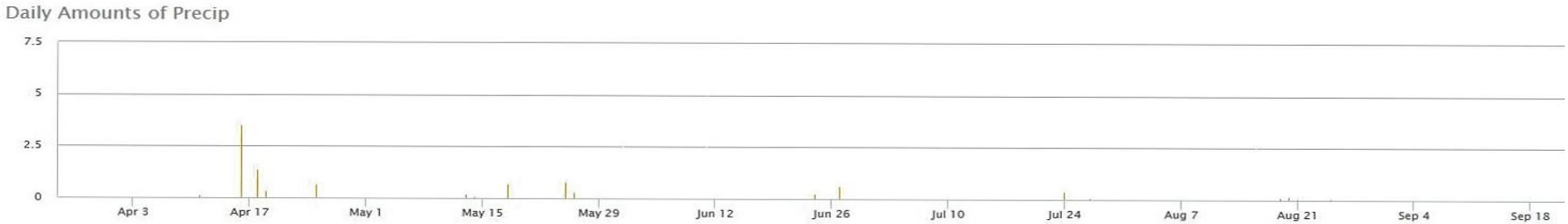
Agent: Mark Arnold

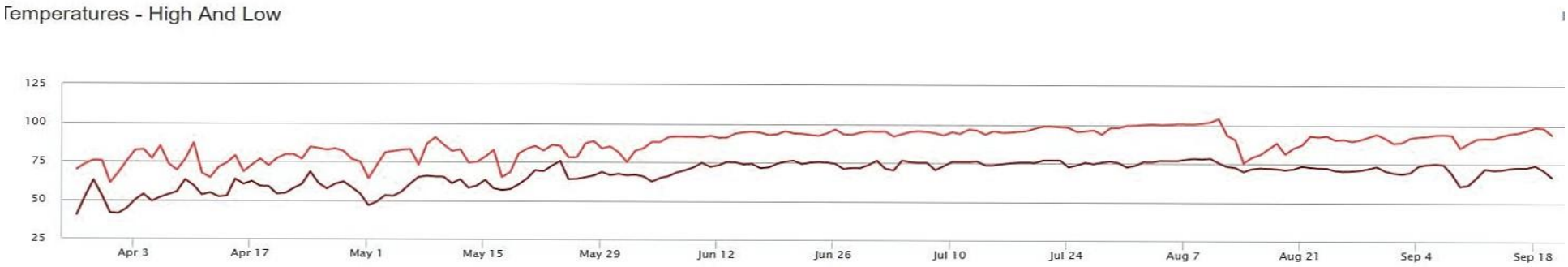
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Ellis County
2016 Corn
Uniform Hybrid Trial

Weather Information





Milam County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mycogen Seeds	Mycogen	2C786	SSX	11.0	57.7	175.6
Monsanto	Dekalb	DKC 67-14	GEN VT2P	11.0	57.0	173.1
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	11.0	58.0	159.6
Advanta	Phoenix	6542A4	V3111	11.0	56.3	153.5
Golden Acres Genetics	Golden Acres	G7601	GEN VT3P	11.0	56.2	152.8
Terral Seed	REV	25BHR26	HX1	11.0	57.7	144.0
B-H Genetics	B-H Genetics	BH 8590	GEN VT2P	11.0	56.0	142.9
Stine Seed Company	Stine	9741	RR	11.0	56.0	142.6
Mean				11.00	56.85	155.5
C.V. (%)				0.000	3.000	5.6
L.S.D.				0.00		15.2
Pr>F (hybrid)					0.508	0.001

Agronomic information

Plant Date	3/4/2016
Harvest Date	8/31/2016
Irrigated	No
Row Spacing (in)	30
Number of Rows	8
Seeds per Acre	
Nitrogen (lb N/ac)	100
Phosphorus (lb P2O5/ac)	0
Potassium (lb K2O/ac)	26
Precipitation (inches)	26.14
Soil Type	Branyon clay

Cooperator: Buddy Johnson

Agent: Floyd Ingram

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

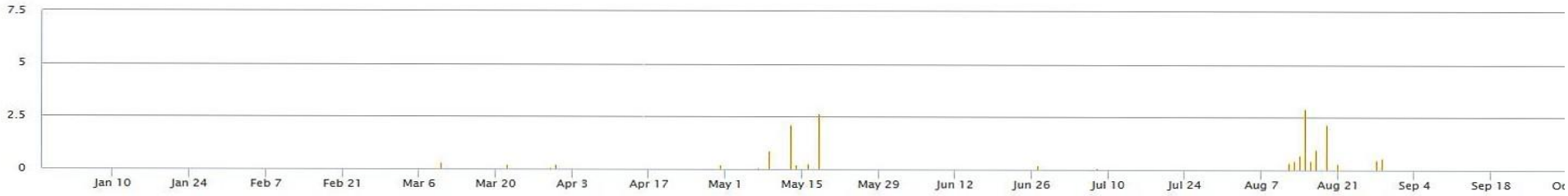
Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Milam County
2016 Corn
Uniform Hybrid Trial

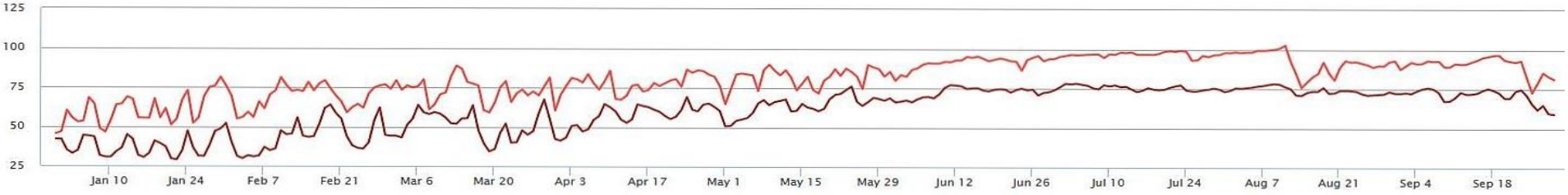
Weather Information

Accumulated Precip

Daily Amounts of Precip



Temperatures - High And Low



Williamson County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Dekalb	DKC 67-14	GEN VT2P	12.3	54.5	125.6
Terral Seed	REV	25BHR26	HX1	12.0	58.9	120.9
Progeny Ag Products	Progeny	PGY 6119	GEN VT2P	12.2	58.8	120.7
Texas A&M AgriLife Res	TAMU	102	RR	12.2	54.2	119.6
B-H Genetics	B-H Genetics	BH 8590	GEN VT2P	12.4	57.1	115.7
Golden Acres Genetics	Golden Acres	G7601	GEN VT3P	11.9	56.3	113.8
Progeny Ag Products	Progeny	PGY 6116	GEN VT2P	12.2	57.3	113.7
Stine Seed Company	Stine	9728e	RR	11.8	53.8	112.2
Mycogen Seeds	Mycogen	2C786	SSX	11.8	57.8	112.1
Advanta	Phoenix	6542A4	V3111	12.0	57.2	110.8
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	12.4	55.8	107.0
Stine Seed Company	Stine	9741	RR	11.9	56.6	84.1
Mean				12.09	56.53	113.1
C.V. (%)				2.000	0.000	6.9
L.S.D.				0.34	0.00	11.5
Pr>F (hybrid)				0.009	0.000	0.000

Agronomic information

Plant Date	3/3/2016
Harvest Date	8/11/2016
Irrigated	No
Row Spacing (in)	38
Number of Rows	4
Seeds per Acre	21,113
Nitrogen (lb N/ac)	134
Phosphorus (lb P2O5/ac)	36
Potassium (lb K2O/ac)	6
Precipitation (inches)	23.66
Soil Type	Burleson clay

Cooperator: Stiles Farm - Ryan Collett

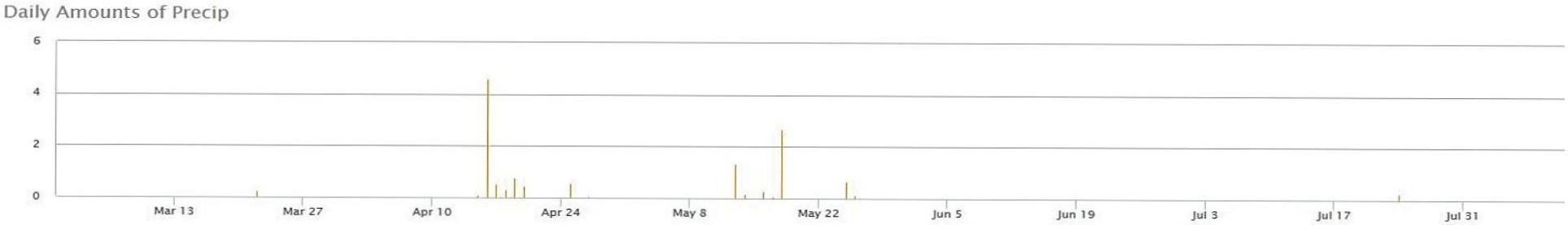
Agent: Cooper Terril

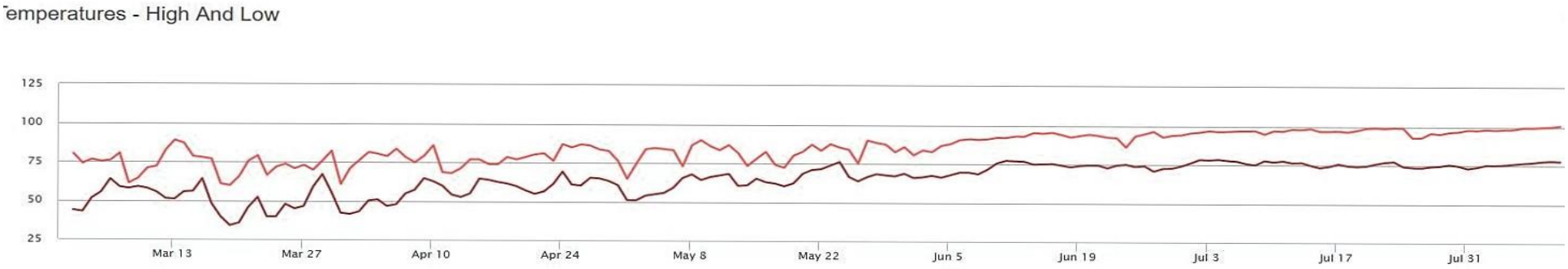
Model : yield = hybrid + blk. LSD provided when hybrid significant at $p < 0.05$ (SAS 9.4). Yields highlighted in yellow are not statistically different from the top ranked hybrid. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

Dr. Ronnie Schnell
ronschnell@tamu.edu
979-845-2935

Williamson County
2016 Corn
Uniform Hybrid Trial

Weather Information





2016 Corn
Coastal Bend
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)

No regional summary available.

Yield is presented as the least square mean, which is an estimate from a linear model. 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.

San Patricio County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Golden Acres Genetics	Golden Acres	G6708	GEN VT3P	10.3	55.0	151.8
Monsanto	Dekalb	DKC 67-72	GEN VT2P	10.4	53.1	144.2
Monsanto	Dekalb	DKC 67-14	GEN VT2P	10.8	55.3	143.8
Mycogen Seeds	Mycogen	2C786	SSX	10.3	53.3	131.2
Golden Acres Genetics	Golden Acres	G6611	GEN VT3P	10.1	54.0	126.1
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	11.4	55.7	121.9
Mycogen Seeds	Mycogen	2V777	SSX	10.1	52.6	121.8
Dupont	Pioneer	P2160	HX1	11.3	57.1	117.1
Dupont	Pioneer	P1311	AM-R	10.3	53.6	118.9
CPS Dyna-Gro	Dyna-Gro	55VC77	GEN VT2P	11.0	55.8	113.4
Advanta	Phoenix	6542A4	V3111	10.7	53.0	114.3
B-H Genetics	B-H Genetics	BH 8475	GEN SSX	10.8	55.3	110.5
Terral Seed	REV	25BHR26	HX1	11.2	55.0	110.0

	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mean	10.66	54.53	124.7
C.V. (%)	5.000	1.000	10.0
L.S.D.	0.88	0.53	19.1
Pr>F (hybrid)	0.034	0.000	0.000

Agronomic information

Plant Date	2/19/2016
Harvest Date	7/20/2016
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	26,000
Nitrogen (lb N/ac)	138
Phosphorus (lb P2O5/ac)	6
Potassium (lb K2O/ac)	1
Precipitation (inches)	17.41
Soil Type	Victoria clay

Cooperator: Charles Ring

Agent: Bob McCool

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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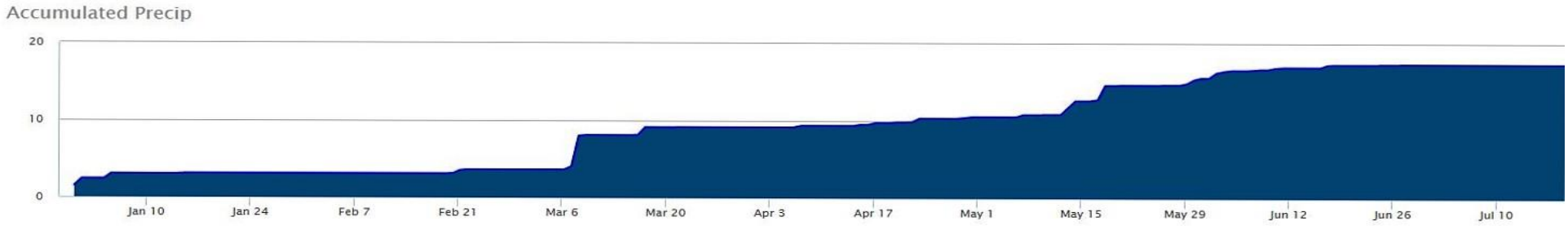
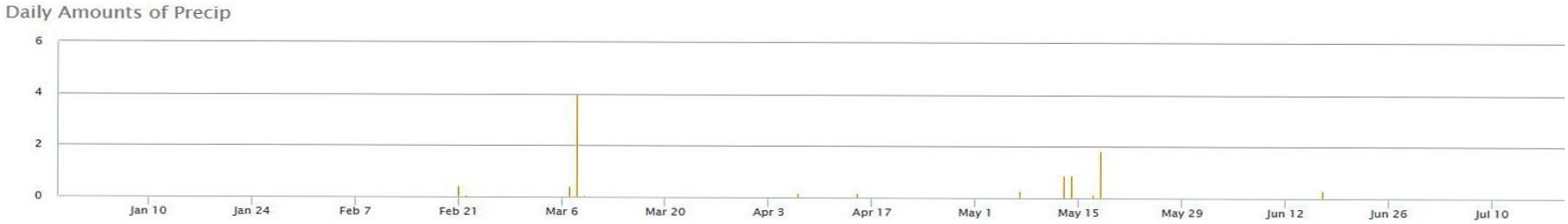
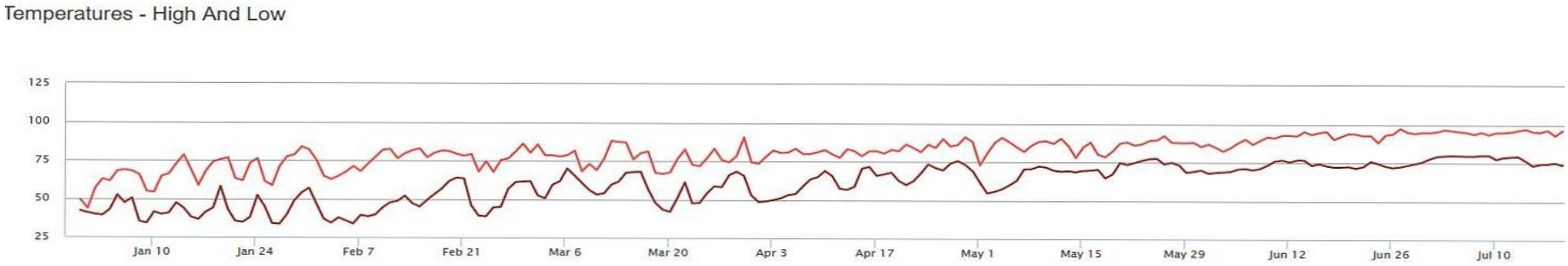
ronschnell@tamu.edu
979-845-2935

San Patricio County
2016 Corn
Uniform Hybrid Trial

Weather Information







2016 Corn
High Plains
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Mycogen Seeds	Mycogen	MY12G35RA	17.2	56.1	293
Dupont	Pioneer	P1751	14.0	58.5	284
CPS Dyna-Gro	Dyna-Gro	D54DC94	13.9	58.0	284
Syngenta	NK	N73Y	14.4	56.0	282
Croplan	Croplan	5290	13.8	60.9	281
Dupont	Pioneer	P1311	11.9	58.7	280
Monsanto	Dekalb	DKC 70-20	15.1	59.0	280
Syngenta	NK	N78N	16.0	59.8	280
Monsanto	Dekalb	DKC 68-26	14.7	59.6	279
Integra	Integra	9678	15.0	59.0	275
Monsanto	Dekalb	DKC 66-59	14.7	59.4	274
Monsanto	Channel	218-44	15.0	59.8	274
Croplan	Croplan	7927	14.9	58.3	274
Dupont	Pioneer	P1690	13.4	60.3	272
CPS Dyna-Gro	Dyna-Gro	D55VP77	14.3	59.6	271
Monsanto	Channel	217-41	14.3	59.2	270

Yield is presented as the least square mean, which is an estimate from a linear model. 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.

2016 Corn
High Plains
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
Mycogen Seeds	Mycogen	2Y767	15.4	56.5	269
Integra	Integra	6612	13.0	57.5	269
Croplan	Croplan	5570	14.1	58.7	268
Monsanto	Dekalb	DKC 66-74	12.9	58.9	262
Monsanto	Dekalb	DKC 64-34	12.7	59.4	261
Syngenta	NK	N67S	12.1	58.6	261
Croplan	Croplan	6640	12.5	59.9	260
CPS Dyna-Gro	Dyna-Gro	D54VC52	14.6	60.0	256
Integra	Integra	6273	12.4	58.2	252
Monsanto	Channel	217-92	15.3	58.9	252
Monsanto	Channel	215-05	12.7	58.7	249
Integra	Integra	6011	12.3	59.4	246
CPS Dyna-Gro	Dyna-Gro	D51VP40	11.7	59.2	236
Mycogen Seeds	Mycogen	MY 13K77RA	14.4	57.3	234

Yield is presented as the least square mean, which is an estimate from a linear model. 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.

2016 Corn
High Plains
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (bu/acre)
				Hybrid (Pr>F)	0.000
				Location (Pr>F)	0.000
				Hybrid*Location (Pr>F)	0.001

Yield is presented as the least square mean, which is an estimate from a linear model. 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 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Syngenta	NK	N73Y		17.2	54.0	273.4
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	18.8	54.2	272.8
Croplan	Croplan	5290		15.9	59.6	270.0
Dupont	Pioneer	P1690	AM-R	15.2	59.8	264.3
Syngenta	NK	N78N		18.0	58.0	259.8
Dupont	Pioneer	P1311	AM-R	12.6	57.8	261.7
Mycogen Seeds	Mycogen	2Y767		16.7	54.0	260.9
Croplan	Croplan	7927	GEN VT3PRIB	17.6	57.6	260.1
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	16.3	57.3	257.7
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	16.4	57.5	256.0
Croplan	Croplan	5570		17.1	57.2	250.1
Monsanto	Dekalb	DKC 66-59		17.6	57.4	249.3
Monsanto	Dekalb	DKC 70-20		16.3	57.7	249.3
Syngenta	NK	N67S		13.3	57.1	247.7
Monsanto	Dekalb	DKC 68-26	GEN VT2P	17.1	57.9	246.6
Dupont	Pioneer	P1751	AM-R	15.8	57.6	246.3
Integra	Integra	9678		16.2	58.0	245.2
Croplan	Croplan	6640	GEN VT3P	15.1	58.0	246.3
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	17.1	58.2	244.1
Integra	Integra	6273		13.7	58.0	243.2
Integra	Integra	6011		14.7	58.1	239.9
Monsanto	Channel	217-41	GEN DGVT2P	16.9	58.0	239.5
Monsanto	Dekalb	DKC 64-34		13.8	59.7	238.7
Monsanto	Channel	217-92	GEN VT2PRIB	17.5	57.0	237.6
Monsanto	Channel	218-44		16.3	58.8	232.2

Dallam County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	13.4	58.2	229.6
Monsanto	Dekalb	DKC 66-74		14.3	56.6	225.7
Mycogen Seeds	Mycogen	MY 13K77RA		17.0	54.7	209.1
Monsanto	Channel	215-05	GEN SSXRIB	14.1	55.6	205.9
Mean				15.93	57.36	247.2
C.V. (%)				6.000	2.000	7.2
L.S.D.				1.34	1.58	26.4
Pr>F (hybrid)				0.000	0.000	0.000

Agronomic information

Plant Date	5/4/2016
Harvest Date	10/6/2016
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)	18.76
Soil Type	Dallam fine sandy loam

Cooperator:

Agent: Mike Bragg

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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ronschnell@tamu.edu
979-845-2935

Dallam County
Corn Hybrid Trial 2016

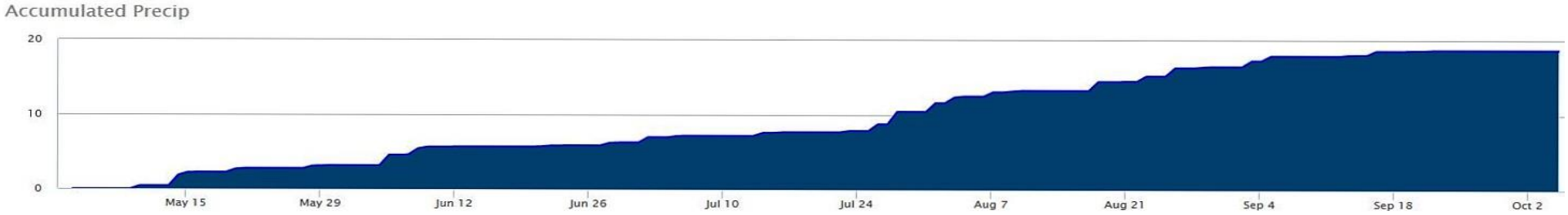
Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	71	0	102	50	29,254
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	71	0	102	48	29,401
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	73	1	99	49	28,817
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	72	0	103	52	30,430
Croplan	Croplan	5290		70	0	103	50	29,266
Croplan	Croplan	5570		72	0	104	52	27,644
Croplan	Croplan	6640	GEN VT3P	73	0	101	49	29,740
Croplan	Croplan	7927	GEN VT3PRIB	73	0	101	50	30,535
Dupont	Pioneer	P1311	AM-R	74	1	104	51	27,770
Dupont	Pioneer	P1690	AM-R	74	0	102	50	30,720
Dupont	Pioneer	P1751	AM-R	74	1	103	51	29,710
Integra	Integra	6011		72	0	104	51	29,911
Integra	Integra	6273		72	0	102	49	28,649
Integra	Integra	9678		72	0	99	48	29,906
Monsanto	Channel	215-05	GEN SSXRIB	73	0	99	48	27,625
Monsanto	Channel	217-41	GEN DGVT2P	74	0	99	48	28,819
Monsanto	Channel	217-92	GEN VT2PRIB	73	0	102	51	28,063

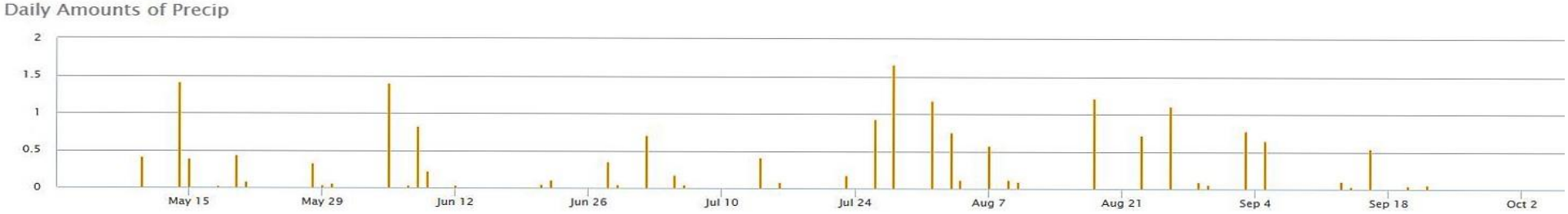
Dallam County
Corn Hybrid Trial 2016

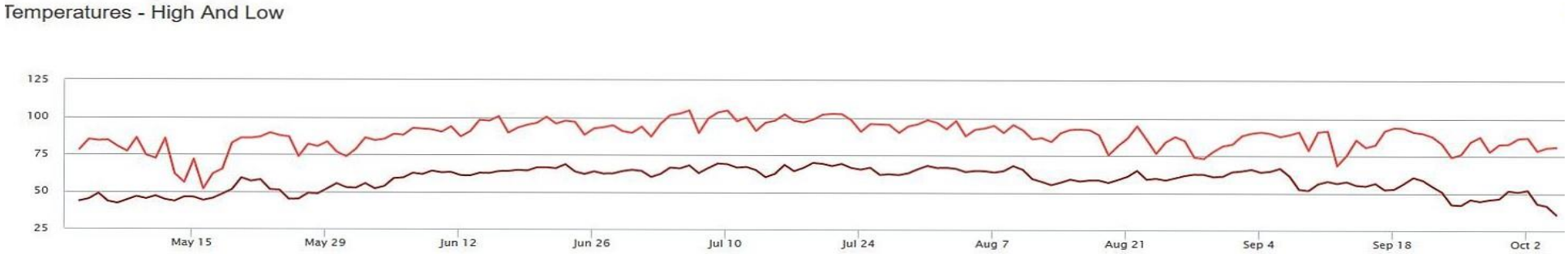
Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
Monsanto	Channel	218-44		74	0	105	54	29,624
Monsanto	Dekalb	DKC 64-34		74	0	105	49	29,603
Monsanto	Dekalb	DKC 66-59		73	1	104	48	29,227
Monsanto	Dekalb	DKC 66-74		73	1	102	46	28,886
Monsanto	Dekalb	DKC 68-26	GEN VT2P	72	0	101	50	30,702
Monsanto	Dekalb	DKC 70-20		73	0	103	50	27,895
Mycogen Seeds	Mycogen	2Y767		73	0	106	51	29,793
Mycogen Seeds	Mycogen	MY 13K77RA		73	1	101	49	27,709
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	73	1	107	52	29,654
Syngenta	NK	N67S		72	0	104	51	29,750
Syngenta	NK	N73Y		74	0	106	53	29,208
Syngenta	NK	N78N		73	0	103	51	28,928
			Trial Mean	**73**	**0**	**103**	**50**	**29,215**

Dallam County
2016 Corn
Uniform Hybrid Trial

Weather Information







Hansford County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dupont	Pioneer	P1751	AM-R	11.2	59.7	304.9
Monsanto	Dekalb	DKC 68-26	GEN VT2P	12.3	61.2	302.4
Monsanto	Dekalb	DKC 70-20		12.8	60.2	294.0
Monsanto	Dekalb	DKC 66-74		10.9	59.9	293.0
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	14.8	58.1	292.8
Monsanto	Channel	218-44		11.8	60.4	292.4
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	10.2	58.4	289.4
Monsanto	Channel	217-41	GEN DGVT2P	10.9	61.1	289.1
Integra	Integra	9678		13.0	60.3	286.5
Dupont	Pioneer	P1311	AM-R	10.5	58.6	286.2
Monsanto	Dekalb	DKC 66-59		11.5	60.7	285.7
Croplan	Croplan	7927	GEN VT3PRIB	11.6	59.0	285.2
Syngenta	NK	N73Y		11.4	57.3	284.2
Croplan	Croplan	5290		11.3	62.2	284.0
Syngenta	NK	N78N		13.6	61.0	283.0
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	11.0	61.9	280.8
Monsanto	Channel	215-05	GEN SSXRIB	11.0	60.3	277.7
Croplan	Croplan	5570		10.8	59.9	272.6
Mycogen Seeds	Mycogen	2Y767		12.8	58.6	271.9
Dupont	Pioneer	P1690	AM-R	10.7	60.5	270.4
Syngenta	NK	N67S		9.9	59.1	269.2
Monsanto	Dekalb	DKC 64-34		11.4	58.6	268.4
Croplan	Croplan	6640	GEN VT3P	10.3	61.0	266.2
Monsanto	Channel	217-92	GEN VT2PRIB	11.7	61.1	258.0
Integra	Integra	6273		10.3	60.1	255.3

Hansford County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mycogen Seeds	Mycogen	MY 13K77RA		11.7	58.9	247.1
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	12.3	61.3	242.1
Integra	Integra	6011		10.2	60.1	232.8
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	9.9	60.1	221.5
Mean				11.44	59.99	275.4
C.V. (%)				3.000	1.000	6.8
L.S.D.				0.47	0.96	26.3
Pr>F (hybrid)				0.000	0.000	0.000

Agronomic information

Plant Date	5/11/2016
Harvest Date	10/11/2016
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	32,000
Nitrogen (lb N/ac)	229
Phosphorus (lb P2O5/ac)	94
Potassium (lb K2O/ac)	6
Precipitation (inches)	17.54
Soil Type	Perryton silty clay

Cooperator: Travis Patterson

Agent: Andrew Sprague, J.R. Sprague Jr, Scott Strawn

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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979-845-2935

Hansford County
Corn Hybrid Trial 2016

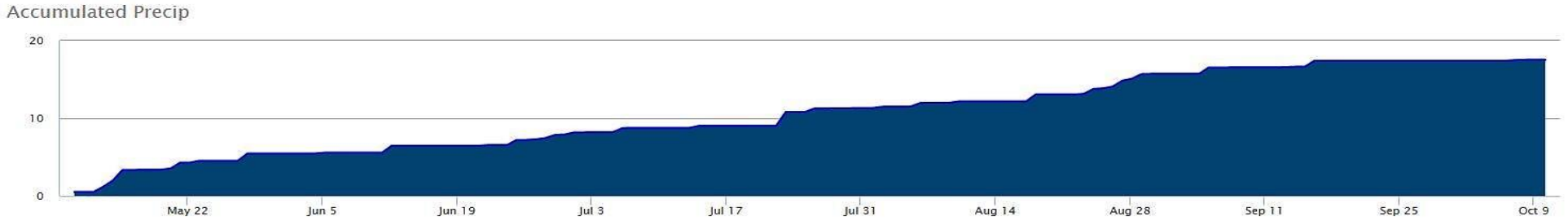
Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	65	13	107	46	27,094
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	66	2	108	55	29,882
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	65	6	104	52	22,738
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	64	4	98	45	28,053
Croplan	Croplan	5290		63	3	106	52	30,840
Croplan	Croplan	5570		65	2	108	51	31,189
Croplan	Croplan	6640	GEN VT3P	65	5	102	48	29,185
Croplan	Croplan	7927	GEN VT3PRIB	66	1	116	57	29,708
Dupont	Pioneer	P1311	AM-R	66	0	111	54	27,878
Dupont	Pioneer	P1690	AM-R	66	3	114	55	29,534
Dupont	Pioneer	P1751	AM-R	66	2	112	57	32,757
Integra	Integra	6011		64	12	108	51	26,397
Integra	Integra	6273		64	6	107	48	31,189
Integra	Integra	9678		64	2	103	51	30,840
Monsanto	Channel	215-05	GEN SSXRIB	65	1	103	53	30,318
Monsanto	Channel	217-41	GEN DGVT2P	65	2	111	54	30,840
Monsanto	Channel	217-92	GEN VT2PRIB	65	2	98	48	30,144

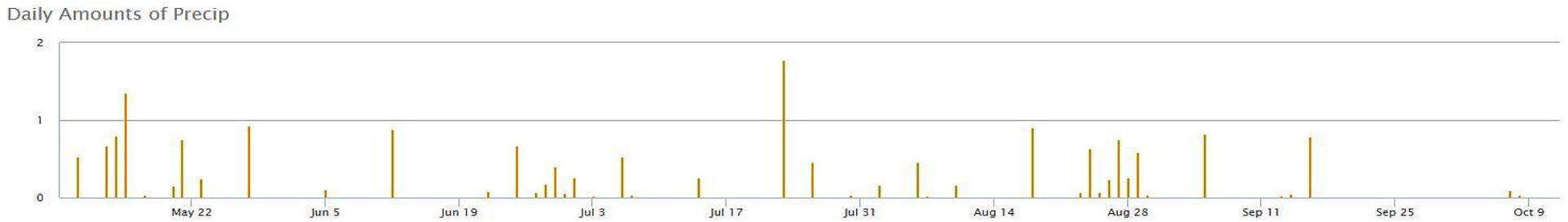
Hansford County
Corn Hybrid Trial 2016

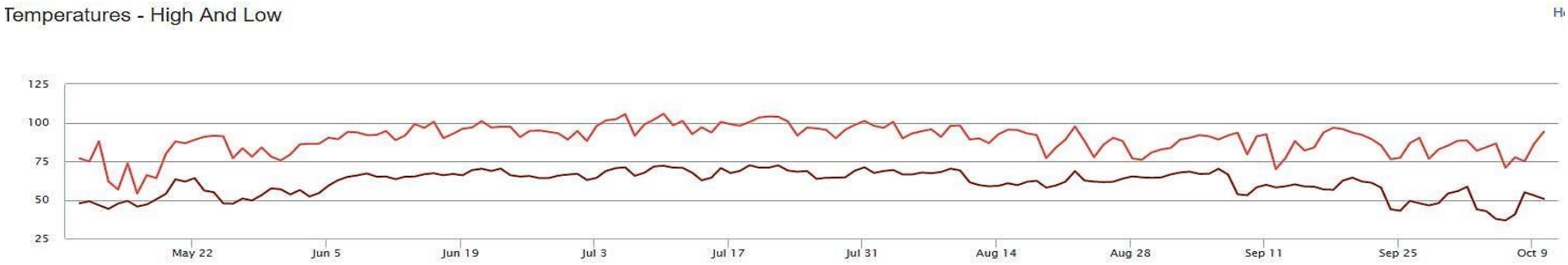
Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
Monsanto	Channel	218-44		65	0	114	56	32,844
Monsanto	Dekalb	DKC 64-34		65	1	108	53	29,969
Monsanto	Dekalb	DKC 66-59		65	1	111	55	29,534
Monsanto	Dekalb	DKC 66-74		65	1	109	54	31,625
Monsanto	Dekalb	DKC 68-26	GEN VT2P	65	1	110	54	31,189
Monsanto	Dekalb	DKC 70-20		65	1	108	54	29,795
Mycogen Seeds	Mycogen	2Y767		65	1	106	52	29,795
Mycogen Seeds	Mycogen	MY 13K77RA		65	3	103	53	29,359
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	66	1	109	53	32,931
Syngenta	NK	N67S		65	3	106	54	28,140
Syngenta	NK	N73Y		66	1	111	54	29,882
Syngenta	NK	N78N		67	0	117	54	31,537
			Trial Mean	**65**	**3**	**108**	**52**	**29,834**

Hansford County
2016 Corn
Uniform Hybrid Trial

Weather Information







Moore County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	17.9	56.0	313.1
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	15.0	58.2	306.0
Dupont	Pioneer	P1751	AM-R	15.1	58.1	301.0
Monsanto	Channel	218-44		16.8	60.1	297.3
Monsanto	Dekalb	DKC 70-20		16.2	59.2	295.7
Syngenta	NK	N78N		17.4	59.4	294.1
Dupont	Pioneer	P1311	AM-R	12.5	59.6	292.0
Integra	Integra	9678		16.2	58.6	292.0
Croplan	Croplan	5290		14.3	61.0	290.3
Monsanto	Dekalb	DKC 68-26	GEN VT2P	14.6	59.7	288.9
Syngenta	NK	N73Y		14.5	56.6	287.9
Monsanto	Dekalb	DKC 66-59		15.7	59.6	287.0
Monsanto	Channel	217-41	GEN DGVT2P	15.3	58.6	282.6
Croplan	Croplan	5570		14.3	59.0	282.3
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	14.5	60.6	281.6
Dupont	Pioneer	P1690	AM-R	14.2	60.6	280.6
Monsanto	Dekalb	DKC 64-34		13.0	59.9	276.9
Croplan	Croplan	7927	GEN VT3PRIB	15.5	58.2	275.2
Mycogen Seeds	Mycogen	2Y767		16.8	56.8	274.7
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	15.6	59.7	274.3
Croplan	Croplan	6640	GEN VT3P	12.9	60.1	268.9
Monsanto	Dekalb	DKC 66-74		13.4	60.0	266.2
Syngenta	NK	N67S		13.0	59.5	265.7
Integra	Integra	6011		12.6	59.6	264.5
Monsanto	Channel	215-05	GEN SSXRIB	13.4	59.4	263.3

Moore County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Monsanto	Channel	217-92	GEN VT2PRIB	17.2	58.2	259.9
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	11.9	59.3	257.8
Integra	Integra	6273		13.2	56.5	257.5
Mycogen Seeds	Mycogen	MY 13K77RA		15.3	57.8	245.7
Mean				14.76	58.96	280.1
C.V. (%)				8.000	2.000	5.6
L.S.D.				1.70	1.93	22.1
Pr>F (hybrid)				0.000	0.000	0.000

Agronomic information

Plant Date	5/5/2016
Harvest Date	10/5/2016
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)	14.52
Soil Type	Sherm clay loam

Cooperator: Justin Crownover

Agent: Marcel Fischbacher

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. Weather data privided by © 2016 The Climate Corporation. For additional information contact your local county extension agent or:

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Moore County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
CPS Dyna-Gro	Dyna-Gro	D51VP40	GEN VT3P	70	0	104	48	30,122
CPS Dyna-Gro	Dyna-Gro	D54DC94	GEN DGVT2P	70	0	108	53	29,487
CPS Dyna-Gro	Dyna-Gro	D54VC52	GEN VT2P	70	0	113	53	29,318
CPS Dyna-Gro	Dyna-Gro	D55VP77	GEN VT3P	70	0	107	51	30,660
Croplan	Croplan	5290		68	1	111	53	29,989
Croplan	Croplan	5570		70	0	107	53	29,111
Croplan	Croplan	6640	GEN VT3P	70	0	106	48	29,420
Croplan	Croplan	7927	GEN VT3PRIB	71	0	108	55	28,900
Dupont	Pioneer	P1311	AM-R	70	0	107	52	29,974
Dupont	Pioneer	P1690	AM-R	71	0	108	55	29,654
Dupont	Pioneer	P1751	AM-R	70	0	109	52	29,654
Integra	Integra	6011		70	0	109	49	29,756
Integra	Integra	6273		69	0	106	49	30,132
Integra	Integra	9678		69	1	108	52	30,743
Monsanto	Channel	215-05	GEN SSXRIB	70	0	109	52	30,073
Monsanto	Channel	217-41	GEN DGVT2P	70	1	107	53	30,112
Monsanto	Channel	217-92	GEN VT2PRIB	70	0	105	51	28,565

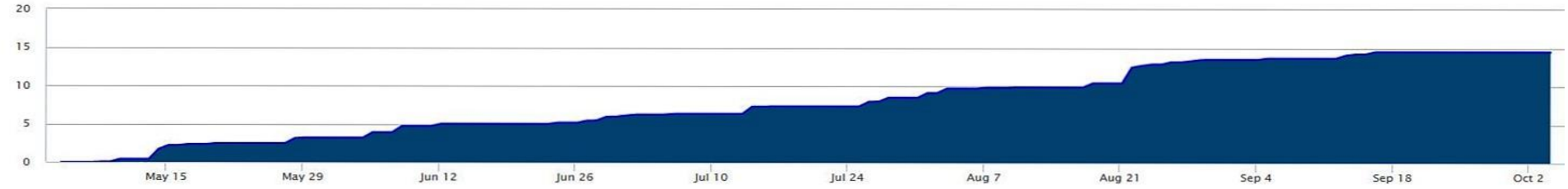
Moore County
Corn Hybrid Trial 2016

Company	Brand	Hybrid	Trait(s)	Days to Silking	Lodged %	Plant Height (in)	Ear Height (in)	Plant Population
Monsanto	Channel	218-44		70	0	113	56	30,305
Monsanto	Dekalb	DKC 64-34		70	0	106	51	30,324
Monsanto	Dekalb	DKC 66-59		70	0	111	55	29,989
Monsanto	Dekalb	DKC 66-74		70	0	102	47	30,324
Monsanto	Dekalb	DKC 68-26	GEN VT2P	70	0	106	50	30,313
Monsanto	Dekalb	DKC 70-20		70	0	108	51	30,718
Mycogen Seeds	Mycogen	2Y767		70	1	106	50	29,299
Mycogen Seeds	Mycogen	MY 13K77RA		70	0	106	53	29,935
Mycogen Seeds	Mycogen	MY12G35RA	Powercore	71	0	107	52	30,807
Syngenta	NK	N67S		70	0	103	49	29,568
Syngenta	NK	N73Y		70	1	112	55	29,235
Syngenta	NK	N78N		71	0	109	51	29,885
			Trial Mean	**70**	**0**	**108**	**52**	**29,875**

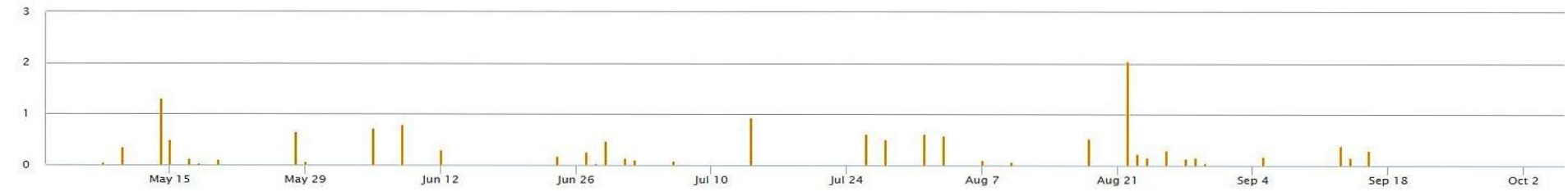
Moore County
2016 Corn
Uniform Hybrid Trial

Weather Information

Accumulated Precip



Daily Amounts of Precip



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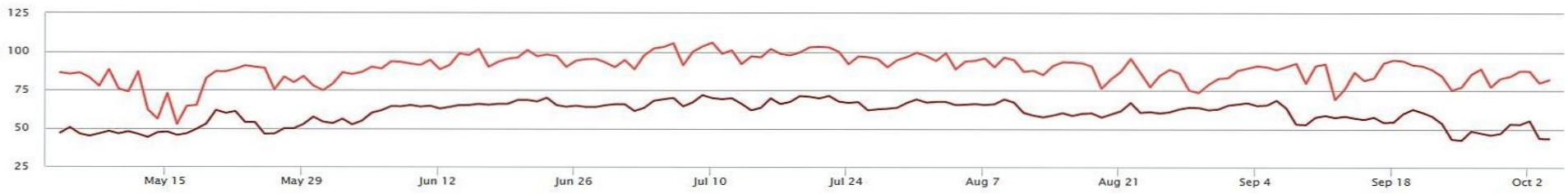

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