

2024 Texas Corn Performance Variety Trials



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Introduction

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

This year, six irrigated and five non-irrigated test sites were planted in the major production regions of Texas. Major corn production regions include the Western Gulf Coastal Plain, Southern Texas Plains, East Central Texas Plains, Texas Blackland Prairies and High Plains. Approximate locations of the 2024 test sites are shown in Figure 1. A total of 212 entries were evaluated across 11 locations representing 34 unique hybrids from 6 commercial seed companies. Commercial seed companies enter hybrids into each trial location at their own discretion.

Performance trials are managed by personnel from the Crop Testing Program, Texas A&M AgriLife Research, and financed by fees collected from participating commercial seed companies. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated four times at each location. All test sites are managed according to practices common to each production region. Field maps and planting plans can be found at the link below shortly after planting. Following harvest, results are statistically analyzed and made available at: <http://varietytesting.tamu.edu/corn/>.

Suggestions for Selecting Hybrids and Varieties

Variety or hybrid selection is often the first decision a grower must make each crop year. The goal is to identify hybrids with superior performance (top yielding) for your environment. Many environments exist in Texas with significant variation within regions and across years, mostly due to variation in weather. Documented, consistent yield performance within a region is essential for selecting hybrids that will perform well on your farming operation. This means that evaluation of hybrids over multiple locations and years (when possible) is the best way to predict future performance. Exercise caution when using single location data to compare hybrid performance.

Following yield performance, other characteristics may be useful for selecting the best hybrid. Maturity or days to flowering may be important for selecting hybrids that are appropriate for your growing season/conditions. Hybrids that possess insect or herbicide traits may be useful for managing various insect and weed pests found on your farm. While consistent yield will be the most important factor affecting hybrid selection, additional plant characteristics or traits could be used to select from hybrids with similar yield performance.

Field-Plot Techniques

Performance trials are conducted at each location using a randomized complete block design with four replications of each entry (hybrid). Plots are generally 2 rows wide with row spacing ranging from 30 to 40 inches depending on location. Population is determined based on the appropriate seeding rate for each production region and cropping system. Seeds are packaged to deliver 30 feet of planted row per plot. Seed is planted using a SRES Advanced research air planter with Monosem units at all sites. Following emergence, alleys are trimmed if necessary for a final plot length of 30 feet with a 4 foot alley. Alleys are maintained free of weeds throughout the growing season through mechanical or chemical control measures.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Field data such as plant stands, plant height, ear height, silk dates and lodging are recorded at the appropriate times. All locations are harvested with a Zurn 160 plot combine equipped with the H3 HarvestMaster Grain Gauge that measures plot weight, test weight, and grain moisture. Field and harvest notes are compiled for each location and results analyzed.

Data Analysis and Reporting

Data from each location is analyzed statistically using SAS. Mean values for yield and additional agronomic data are presented in tables for each location. Mean values are derived from the average of all replications for each entry in each trial. Least Significant Difference (LSD) is a statistical test used that determines the minimum difference between two entries required to be considered having different levels of performance. Differences between entries (yield, plant height, etc.) less than the LSD value represents variation measurements due to factors other than hybrid performance, such as variation in soil type, soil moisture, fertility, insect or disease pressure, planting or harvesting procedures. Although numeric differences in yield or other measurements may exist, if two entries are within the LSD value, they should be considered to have equal performance. The Coefficient of Variation (CV) is used to determine the amount of variability in the data set relative to the mean and can be used to determine if the results are reliable. Generally, CV's greater than 20% indicate that the data is unreliable and is not reported. However, each data set is evaluated individually to determine if results will be reported.

In the 2024 Corn Hybrid Characteristics table you will find agronomic data submitted by each company for their entries. Agronomic information provided by the companies about their hybrids are found in the list below and include items such as cob color, grain color and genetic traits. Agronomic data measured and collected by the Crop Testing program is described in the section below.

Agronomic Data as designated by each company:

Cob Color: R = red W = white P = pink
Grain Color: Y = yellow W = white

Type GE (Genetically Engineered Traits):

Trait Family	Trait Name	Abbreviation
	Conventional	Conv
Agrisure	Agrisure 3122 E-Z Refuge	3122EZ
Agrisure	Agrisure CB/LL	CB/LL
Agrisure	Agrisure GT Artesian	GT-Artesian
Agrisure	Agrisure Duracade Viptera	DV
Agrisure	Agrisure Duracade	D
Agrisure	Agrisure Viptera	V
Agrisure	Agrisure Viptera 3111	V3111
Agrisure	Agrisure Viptera 3110	V3110
Agrisure	Agrisure GT/RW	GT/RW
Agrisure	Agrisure D Refuge Renew	D
Agrisure	Agrisure 3010	GT/CB/LL
Agrisure	Agrisure RW	RW
Agrisure	Agrisure Artesian 3011A	3011A
Agrisure	Agrisure CB/LL/RW	CB/LL/RW
Agrisure	Agrisure 3000GT	GT3K
Generic	BGTCBLL	BGTCBLL
Generic	GT	GT
Generic	RR2	RR2
Genuity	Genuity VT Triple PRO RIB Complete (GENVT3P)	GEN VT3PRIB
Genuity	Genuity SmartStax RIB Complete	GEN SSXRIB
Genuity	Genuity VT Triple PRO	GEN VT3P
Genuity	Genuity SmartStax	GEN SSX
Genuity	Genuity VT Double PRO RIB Complete (GENVT2P)	GEN VT2PRIB
Genuity	Genuity VT Double PRO	GEN VT2P
Genuity	VT4PRO with RNAi	VT4PRO
Genuity	Genuity Trecepta	Trecepta
Genuity	DroughtGard Roundup Ready Corn 2	GEN DG RR2
Genuity	Genuity DG VT Triple PRO	GEN DGVT3P
Genuity	Genuity DG VT Double PRO	GEN DGVT2P
Herculex	Herculex Extra (HXX)	HXX
Herculex	Herculex 1 (HX1)	HX1
Herculex	Herculex RW (HXRW)	HXRW
Mycogen	Enlist	Enlist
Mycogen	SmartStax	SSX
Mycogen	Powercore	Powercore
Optimum	Leptra	VYHR
Optimum	Optimum AcreMax1 (AM1)	AM1

Optimum	Optimum AcreMax Rootworm (AMRW-R)	AMRW-R
Optimum	Optimum AcreMax Xtra (AMX-R)	AMX-R
Optimum	Optimum AcreMax Xtreme (AMXT-R)	AMXT-R
Optimum	Optimum Intrasect	INT
Optimum	Optimum Intrasect Xtra	INT-X
Optimum	Optimum Intrasect Xtreme	INT-XT
Optimum	Optimum TRIsect	TRI
Optimum	Optimum Intrasect-AQUAmax	INT-AQUAmax
Optimum	Optimum AcreMax - AQUAmax (AM-R)	AM-AQUAmax
Optimum	Optimum AcreMax (AM-R)	AM-R
Refuge Advanced	Refuge Advanced (SmartStax)	SSX
YieldGard	YieldGard VT Triple	YG VT3

Measured Agronomic Data:

Days to Silk: the average number of days from planting to the date when 50 percent of the plants within the plot are in some stage of silking (R1).

Plant Height: the average height in inches from ground to top of tassel.

Ear Height: the average height in inches from ground to base of ear.

Grain Moisture: the average moisture at harvest as a percent (%).

Plant Population: the average number of plants per acre at harvest.

Test Weight: is a measure of bulk grain density and is determined by the seed weight per unit of volume. This is measured at harvest and expressed as pounds per bushel.

Yield: Standardized to 15.5% moisture: expressed in bushels per acre (bu/acre) and calculated using $(((100 - \text{moisture} (\%)) / 84.5) * \text{yield} (\text{lb/acre}) / 56)$.

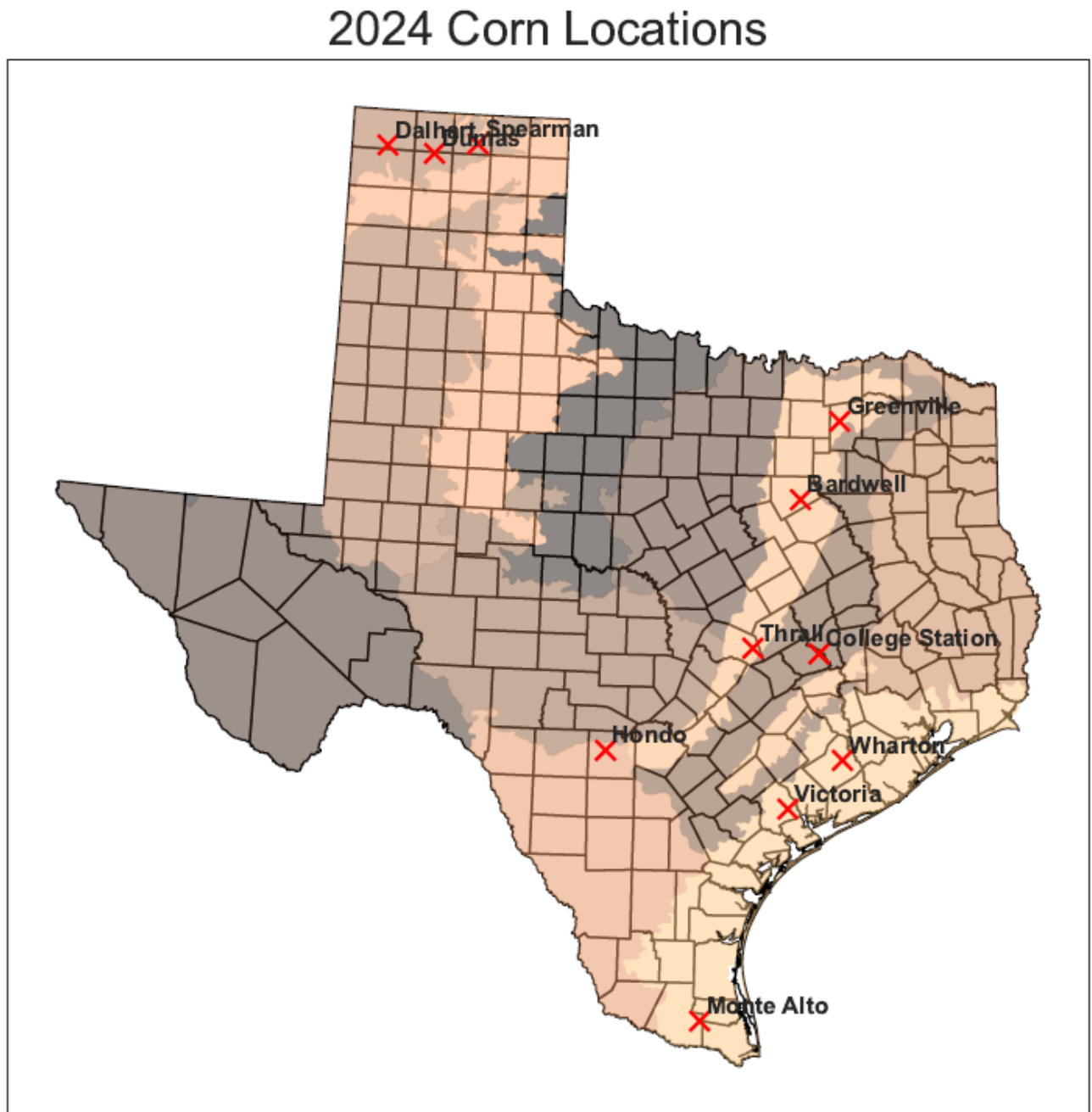
In addition to individual site performance, information on multi-year performance for each site is provided. Multi-year tables are presented as 2 and 3-year summaries of yield performance data. The entries are ranked according to hybrid performance in the current year. Hybrids must appear in two of the past three years to appear in this report.

Weather Reports

Weather reports are provided for each location. Reports are generated from planting date to date of harvest. The report includes the minimum and maximum temperatures, as well as cumulative precipitation. Weather data is obtained from Meteostat (<https://dev.meteostat.net/bulk/>) using

Python library as an interface to bulk data dumps. Meteostat uses a mix of NOAA observations and model data by default. Weather models are generally used to provide analysis for geographical locations where observed data is lacking. Greater spatial resolution of nearby observed data will improve model data. While not as good as measured observations, especially for local precipitation events and thunderstorms, composite weather data provides insight on factors influencing crop performance across various regions in Texas.

Figure 1. 2024 Corn Performance Trial Locations



2024 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Bayer	DEKALB	DKC 70-45VT2	Genuity VT Double PRO	Yellow	Red	2995	120
Bayer	DEKALB	DKC 68-35VT2	Genuity VT Double PRO	Yellow	White	2965	118
Bayer	DEKALB	DKC 66-06TRE	Genuity Trecepta	Yellow	Pink	2910	116
Bayer	DEKALB	DKC 117-78	Genuity VT Double PRO	Yellow	Red	2925	117
Bayer	DEKALB	DKC 114-99	VT4PRO with RNAi	Yellow	Red	2845	114
Bayer	DEKALB	DKC 113-83	Genuity Trecepta	Yellow	Red	2830	113
Bayer	DEKALB	DKC 69-99TRE	Genuity Trecepta	Yellow	Red	2970	119
Corteva	Pioneer	P1847	Leptra	Yellow	Pink	2780	118
Corteva	Pioneer	P1511	N/A				
Innvictis Seed Solutions	Innvictis	A1542T	Genuity Trecepta	Yellow		2625	115
Innvictis Seed Solutions	Innvictis	A1689T	Genuity Trecepta	Yellow		2805	116
Innvictis Seed Solutions	Innvictis	A1792T	Genuity Trecepta	Yellow		2682	117
Innvictis Seed Solutions	Innvictis	A1292VT2PRIB	Genuity VT Double PRO RI	Yellow	Red		112
Innvictis Seed Solutions	Innvictis	A1551VT2P	Genuity VT Double PRO	Yellow	Pink	2555	115
Nutrien Ag	Dyna-Gro	D56TC44	Genuity Trecepta				
Nutrien Ag	Dyna-Gro	D54VC14	Genuity VT Double PRO	Yellow	Red	2710	114
Nutrien Ag	Dyna-Gro	D58TC94	Genuity Trecepta				
Nutrien Ag	Dyna-Gro	D60TC45	Genuity Trecepta				
Nutrien Ag	Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Co				
Nutrien Ag	Dyna-Gro	D57TC29	Genuity Trecepta	Yellow	Pink	2790	117
Progeny Ag Products	Progeny	PGY 9117VT2P	Genuity VT Double PRO	Yellow	Red	1375	117

2024 Corn Hybrid Characteristics



Company	Brand	Hybrid	Transgenic Traits	Grain Color	Cob Color	GDD to Maturity	Relative Maturity
Progeny Ag Products	Progeny	PGY 2118VT2P	Genuity VT Double PRO	Yellow	Red	1390	118
Progeny Ag Products	Progeny	PGY 2215TRE	Genuity Trecepta	Yellow	Red	1388	115
Progeny Ag Products	Progeny	PGY 2314TRE	Genuity Trecepta	Yellow	Pink	1335	114
Wilbur-Ellis Company	Integra	6342TRE	Genuity Trecepta	Yellow	Red	2720	113
Wilbur-Ellis Company	Integra	6244PCE	Powercore	Yellow	Pink	2572	112
Wilbur-Ellis Company	Integra	6915TRE	Genuity Trecepta	Yellow	Red	2665	119
Wilbur-Ellis Company	Integra	6864R	RR2	Yellow	Pink	2880	118
Wilbur-Ellis Company	Integra	6624TRE	Genuity Trecepta	Yellow	Red	2683	116
Wilbur-Ellis Company	Integra	6641SS	SmartStax	Yellow	Red	2770	116
Wilbur-Ellis Company	Integra	6493VT2P	Genuity VT Double PRO	Yellow	Red	2716	114
Winfield United	Croplan	CP5363TRE	Genuity Trecepta	Yellow	Red	2825	113
Winfield United	Croplan	CP5760TRE	Genuity Trecepta	Yellow	Pink	2925	117
Winfield United	Croplan	CP5682TRE	Genuity Trecepta	Yellow	Red	2900	116

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

Corn

Company Contacts



Company	Brand	Contact Information	Phone	Email
Bayer	DEKALB	Kagan Randolph PO Box 433 Sunray, TX 79086	806-338-1751	kagan.randolph@bayer.com
Bayer	DEKALB	Travis Courtney Lorena, TX 76655	806-292-7683	travis.courtney@bayer.com
Innvictis Seed Solutions	Innvictis	Max Crittenden 1803 Laura Ln College Station, TX 77840	254-652-0032	max.crittenden@innvictis.com
Nutrien Ag	Dyna-Gro	Cord Willms 1024 Willms Road Columbus, TX 78934	361-960-4399	james.willms@nutrien.com
Nutrien Ag	Dyna-Gro	Phil Michener 3005 Rocky Mountain Ave Loveland, CO 80538	662-822-8242	phillip.michener@nutrien.com
Progeny Ag Products	Progeny	Brian Murray 1529 Hwy 193 Wynne, AR 72396	870-208-4428	bmurray@progenyag.com
Wilbur-Ellis Company	Integra	Colton Tate 2340 Storm St Ames, IA 50014	515-230-0832	ctate@wilburellis.com
Winfield United	Croplan	Virgil Moore 1012 Hwy 11N Des Arc, AR 72040	501-424-9231	vmoore@landolakes.com



Monte Alto 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D58TC94	Genuity Trecepta	56	N/A	N/A	N/A	13.6	60.9	128
Integra	6493VT2P	Genuity VT Double PRO	57	N/A	N/A	N/A	12.9	57.4	125
Integra	6342TRE	Genuity Trecepta	56	N/A	N/A	N/A	12.9	56.9	123
Integra	6624TRE	Genuity Trecepta	57	N/A	N/A	N/A	13.8	57.6	121
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	55	N/A	N/A	N/A	13.0	58.3	121
Dyna-Gro	D56TC44	Genuity Trecepta	57	N/A	N/A	N/A	13.6	58.3	120
Integra	6864R	RR2	57	N/A	N/A	N/A	14.1	59.4	119
Integra	6641SS	SmartStax	56	N/A	N/A	N/A	13.2	58.7	119
Dyna-Gro	D57TC29	Genuity Trecepta	57	N/A	N/A	N/A	13.7	56.3	117
Dyna-Gro	D54VC14	Genuity VT Double PRO	57	N/A	N/A	N/A	12.8	58.2	116
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	57	N/A	N/A	N/A	13.0	57.3	115
Integra	6915TRE	Genuity Trecepta	58	N/A	N/A	N/A	13.3	58.1	113
DEKALB	DKC 69-99TRE	Genuity Trecepta	57	N/A	N/A	N/A	14.0	59.8	110

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



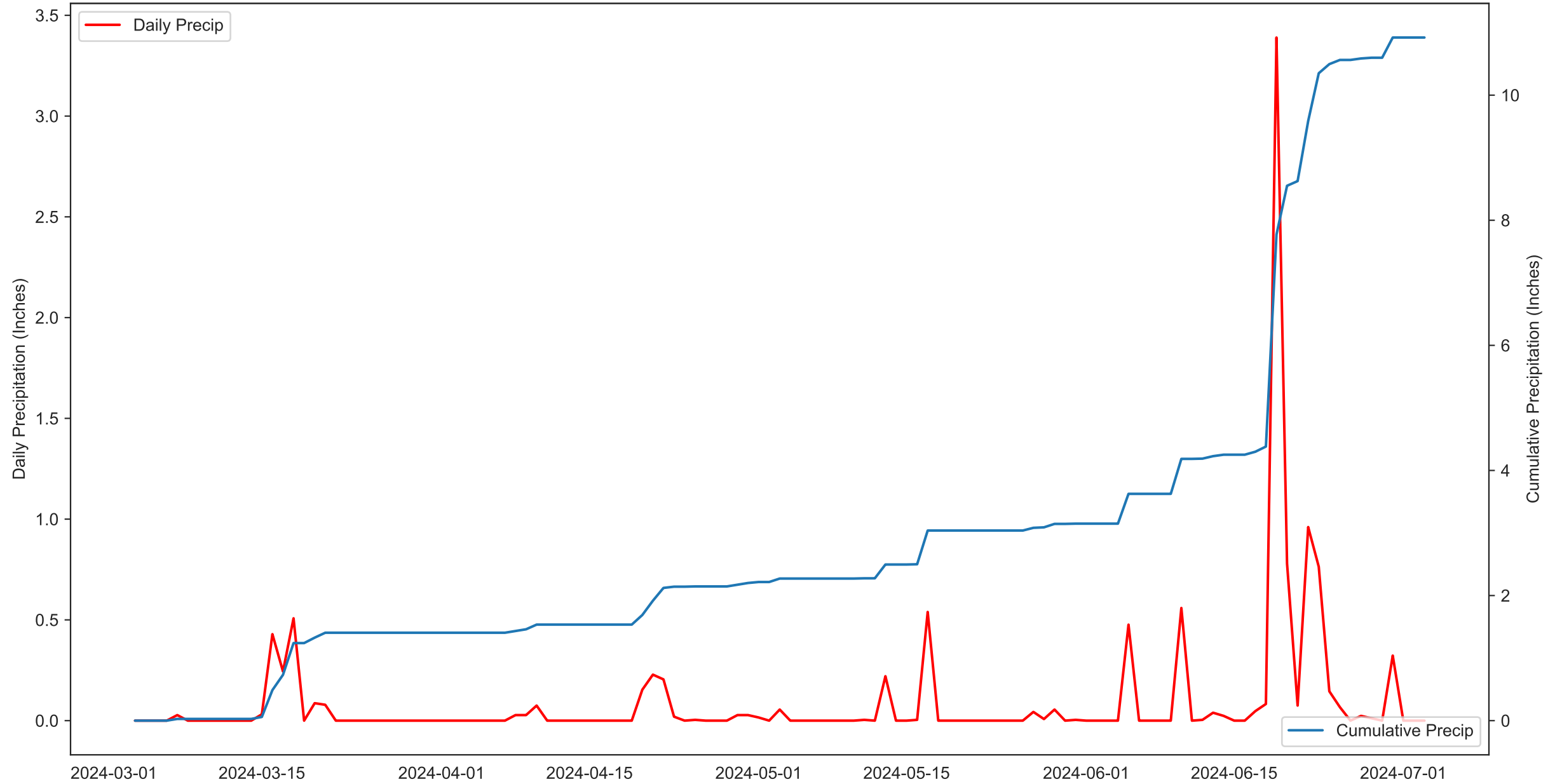
Monte Alto 2024 Corn Performance Trial



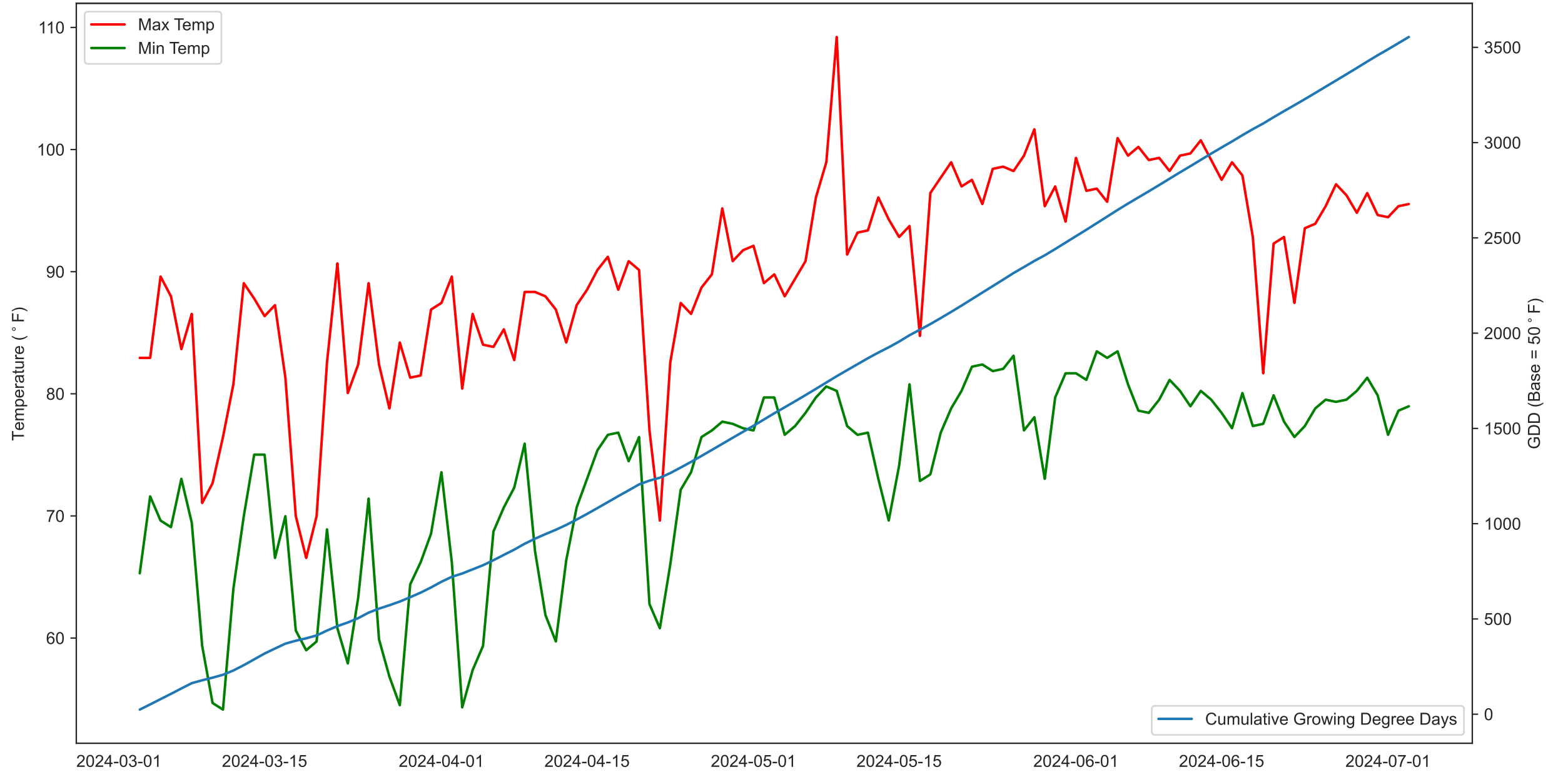
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	57			13.4	58.2	119
Plant Date	3/3/2024		C.V. %	2.0			3.4	0.8	10.8
Harvest Date	7/3/2024		P>f (hybrid)	0.231			0.001	0.000	0.823
Irrigated	Yes		L.S.D.				0.7	0.7	
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		*Trial was irrigated 4/25/24			Cooperator Texas AgriScience			
Target Seeds per Acre	30,000		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.						
Precipitation (in)	10.92		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505						
Irrigation (in)			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Herbicide			Fertilizer Applied		Soil Analysis Report**				
1.5lb/ac Atrazine + 1.5 pt/ac Dual after planting			N (lb/ac)	170	NO3-N (ppm)	16	pH	7.8	
Soil Type Rio clay loam			P2O5 (lb/ac)	35	P (ppm)*	81	Conductivity (umho/cm)	263	
Tillage Conventional			K2O (lb/ac)	0	K (ppm)*	763	Ca (ppm)*	4,979	
Previous Crop Cotton			S (lb/ac)	0	S (ppm)*	82	Mg (ppm)*	638	
			Zn (lb/ac)	0			Na (ppm)*	230	

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

2024 Monte Alto Corn



2024 Monte Alto Corn



Corn

Monte Alto

Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Bayer	DEKALB	DKC 68-35VT2	162	
Wilbur-Ellis Company	Integra	6624TRE	157	
Nutrien Ag	Dyna-Gro	D56TC44	152	
Wilbur-Ellis Company	Integra	6342TRE	152	158
Bayer	DEKALB	DKC 69-99TRE	147	164
Wilbur-Ellis Company	Integra	6641SS	145	156
Nutrien Ag	Dyna-Gro	D57TC29	142	155
Nutrien Ag	Dyna-Gro	D54VC14	137	141

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



Victoria 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	63	87	34	23,098	18.2	59.7	185
Dyna-Gro	D58TC94	Genuity Trecepta	63	88	35	23,385	18.7	60.7	171
Integra	6915TRE	Genuity Trecepta	63	87	37	24,302	20.0	56.7	165
DEKALB	DKC 69-99TRE	Genuity Trecepta	62	85	34	22,697	18.9	60.6	159
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	62	89	30	23,671	16.2	58.9	158
Integra	6493VT2P	Genuity VT Double PRO	62	89	32	21,952	16.7	58.5	158
Integra	6342TRE	Genuity Trecepta	60	83	32	22,181	16.4	59.2	157
Dyna-Gro	D57TC29	Genuity Trecepta	62	92	32	23,901	17.5	57.4	156
Dyna-Gro	D54VC14	Genuity VT Double PRO	60	85	29	22,353	16.4	59.6	151
Integra	6864R	RR2	62	87	31	22,926	19.3	58.6	149
Integra	6624TRE	Genuity Trecepta	61	89	30	22,582	16.6	59.9	140
Integra	6641SS	SmartStax	61	83	32	23,385	17.5	58.7	137
Dyna-Gro	D56TC44	Genuity Trecepta	62	88	33	22,525	16.6	59.7	135

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



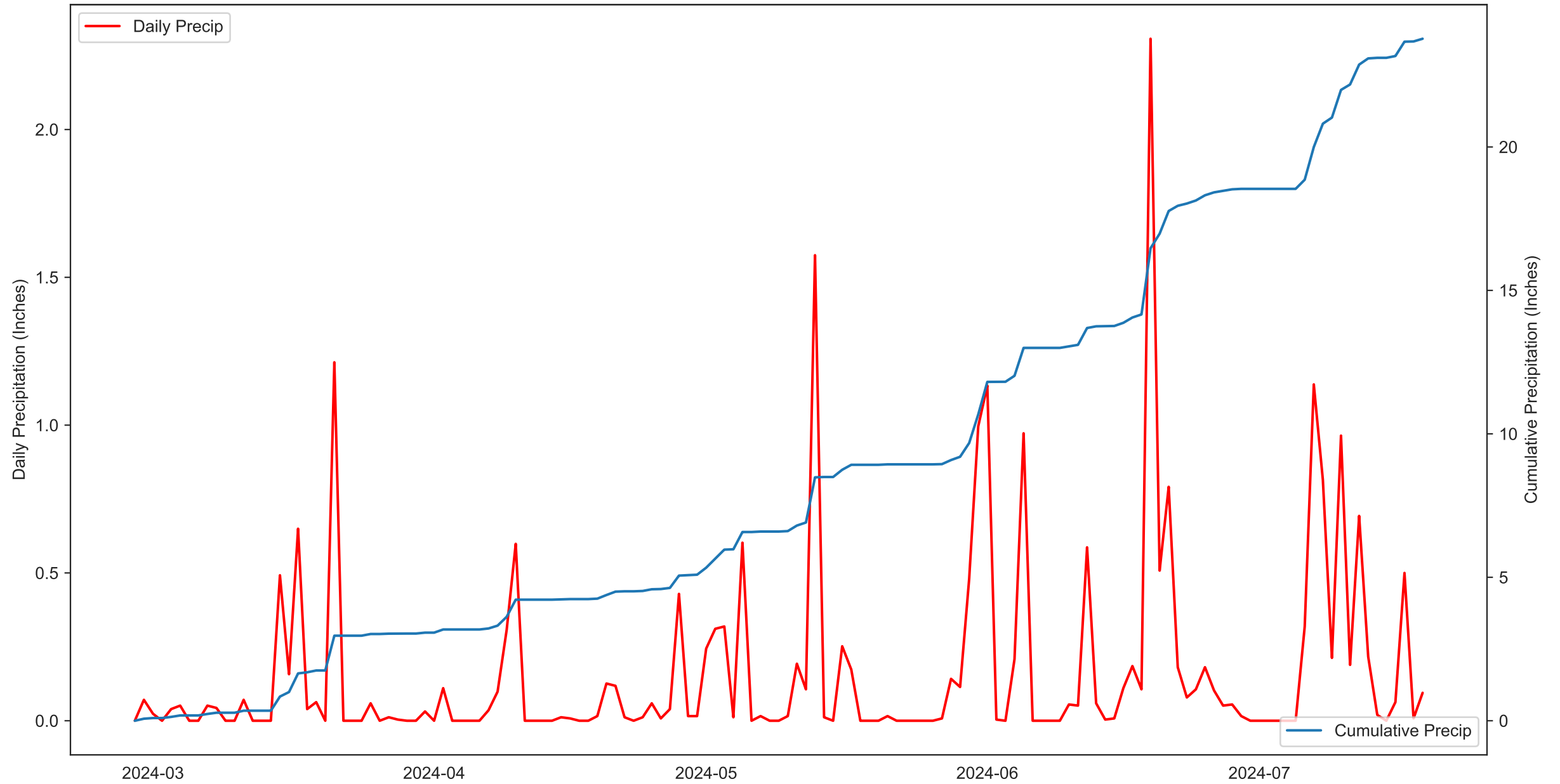
Victoria 2024 Corn Performance Trial



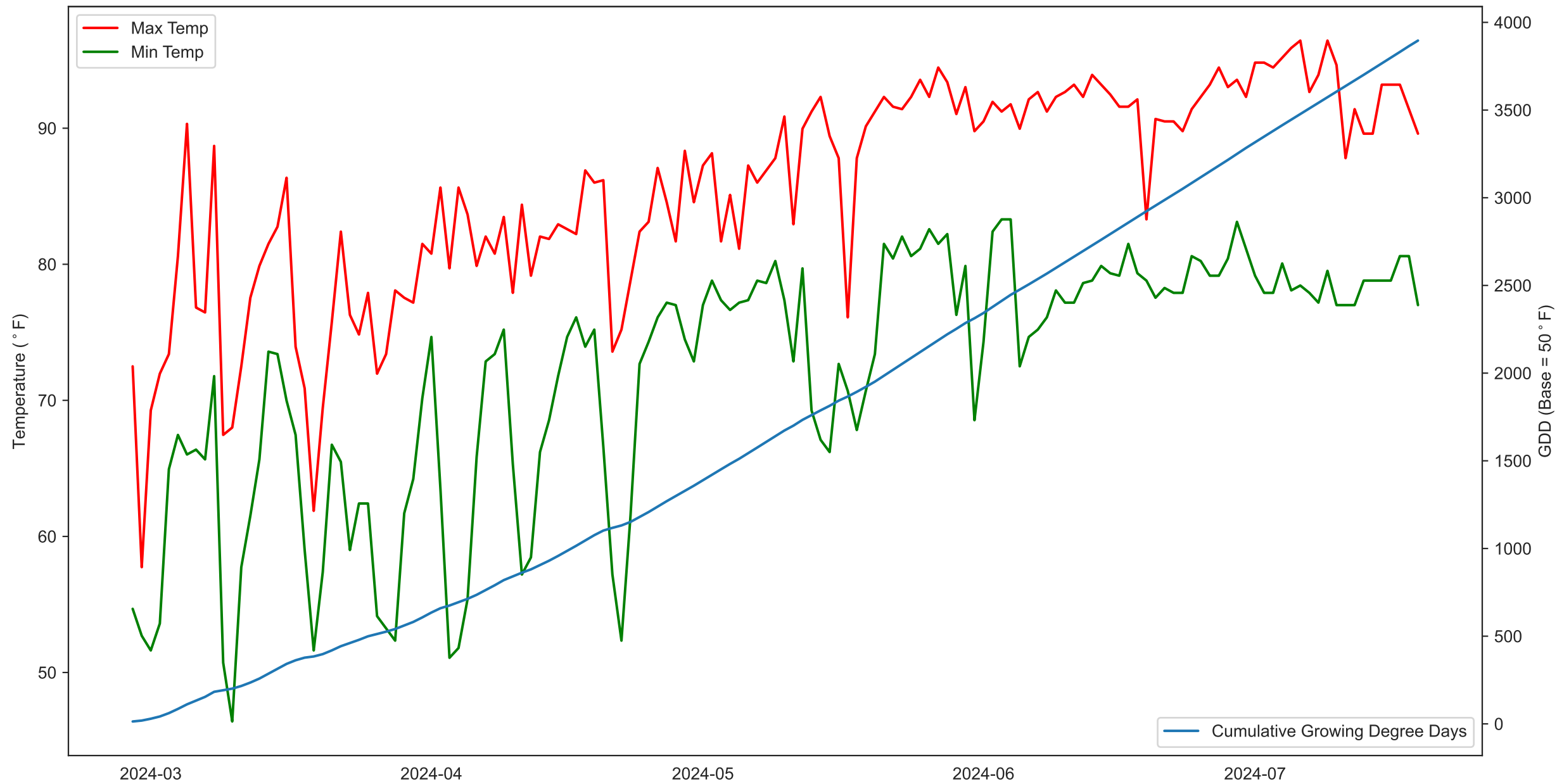
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)		
Agronomic information			Mean	62	87	32	22,997	17.6	59.1	156	
Plant Date	2/28/2024		C.V. %	0.8	2.7	8.6	3.3	1.8	0.5	4.4	
Harvest Date	7/19/2024		P>f (hybrid)	0.000	0.000	0.015	0.005	0.000	0.000	0.000	
Irrigated	No		L.S.D.	0.7	3.3	4.0	1,118.6	0.4	0.5	9.9	
Row Spacing (in)	38		Trial Notes							Cooperator	Chris Buzek
Number of Rows	2		<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p>								
Target Seeds per Acre	24,000										
Precipitation (in)	23.77										
Irrigation (in)											
Herbicide			* Mehlich 3 by ICP, soiltesting.tamu.edu								
			** Samples collected at planting, some locations may have applied fertilizer								
Soil Type	Laewest clay		Fertilizer Applied		Soil Analysis Report**						
Tillage	Conventional		N (lb/ac)		NO3-N (ppm)	20	pH		6.5		
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	44	Conductivity (umho/cm)		86		
			K2O (lb/ac)		K (ppm)*	404	Ca (ppm)*		7,609		
			S (lb/ac)		S (ppm)*	55	Mg (ppm)*		729		
			Zn (lb/ac)				Na (ppm)*		40		

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

2024 Victoria Corn



2024 Victoria Corn





Wharton 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6915TRE	Genuity Trecepta	68	79	30	23,014	13.8	57.7	163
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	69	74	24	22,923	13.8	59.0	160
Dyna-Gro	D54VC14	Genuity VT Double PRO	65	73	27	22,706	13.7	58.8	154
Integra	6641SS	SmartStax	67	75	29	22,488	13.9	59.1	152
Progeny	PGY 2314TRE	Genuity Trecepta	67	74	28	22,760	13.9	57.9	148
Innvictis	A1689T	Genuity Trecepta	67	72	25	23,032	13.6	60.2	146
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	66	74	31	23,014	13.9	58.4	143
Integra	6864R	RR2	67	73	29	22,651	13.7	59.5	142
Dyna-Gro	D58TC94	Genuity Trecepta	68	78	33	23,377	13.7	60.4	141
Innvictis	A1792T	Genuity Trecepta	67	77	33	22,724	13.8	60.0	140
DEKALB	DKC 69-99TRE	Genuity Trecepta	67	76	33	22,760	13.9	59.9	139
Dyna-Gro	D56TC44	Genuity Trecepta	67	77	31	22,488	13.9	58.4	139
Integra	6624TRE	Genuity Trecepta	65	76	29	23,087	14.0	57.8	138
Innvictis	A1542T	Genuity Trecepta	65	75	29	22,379	13.9	58.3	137
Integra	6493VT2P	Genuity VT Double PRO	67	76	32	22,815	13.7	58.2	132
Progeny	PGY 2118VT2P	Genuity VT Double PRO	67	72	29	21,290	13.8	61.2	131
Integra	6342TRE	Genuity Trecepta	65	71	28	22,161	13.3	58.2	126
Innvictis	A1292VT2PRIB	Genuity VT Double PRO RIB	67	73	28	22,488	13.4	59.7	125
Innvictis	A1551VT2P	Genuity VT Double PRO	67	77	30	23,087	13.6	57.7	124
Progeny	PGY 9117VT2P	Genuity VT Double PRO	67	73	28	21,834	13.6	59.6	124
Progeny	PGY 2215TRE	Genuity Trecepta	66	76	30	22,978	13.8	59.1	123

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



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Wharton 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D57TC29	Genuity Trecepta	66	77	28	22,488	13.9	56.4	108

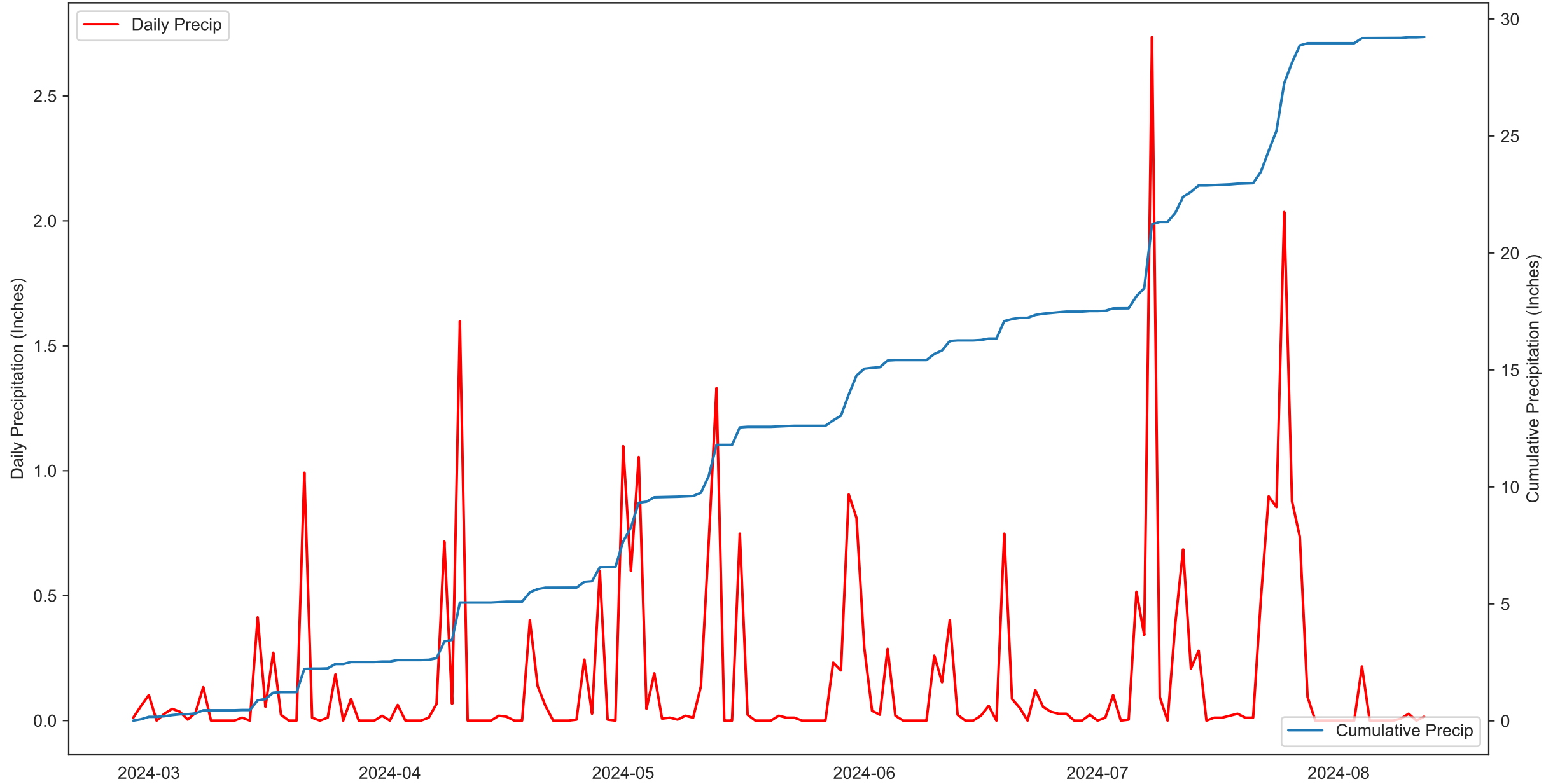
*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

Wharton 2024 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)	
Agronomic information			Mean	67	75	29	13.7	58.9	138	
Plant Date	<input type="text" value="2/28/2024"/>		C.V. %	1.0	3.9	10.3	2.3	1.7	12.5	
Harvest Date	<input type="text" value="8/12/2024"/>		P>f (hybrid)	0.000	0.008	0.002	0.245	0.000	0.004	
Irrigated	<input type="text" value="No"/>		L.S.D.	1.0	4.1	856.2		1.4	24.6	
Row Spacing (in)	<input type="text" value="40"/>		Trial Notes							
Number of Rows	<input type="text" value="2"/>		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border: 1px solid #ccc; height: 100px;"></div> <div style="width: 35%; border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Cooperator <input type="text" value="Larry & Clint Kalina"/></p> <p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p> </div> </div>							
Target Seeds per Acre	<input type="text" value="24,000"/>									
Precipitation (in)	<input type="text" value="29.23"/>									
Irrigation (in)	<input type="text"/>									
Herbicide	<input type="text"/>									
Soil Type	<input type="text" value="Clemville silty clay loam"/>		Fertilizer Applied			Soil Analysis Report**				
Tillage	<input type="text" value="Conventional"/>		N (lb/ac)	<input type="text"/>	NO3-N (ppm)	<input type="text" value="29"/>	pH	<input type="text" value="7.8"/>		
Previous Crop	<input type="text" value="Corn"/>		P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="15"/>	Conductivity (umho/cm)	<input type="text" value="100"/>		
			K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="222"/>	Ca (ppm)*	<input type="text" value="17,984"/>		
			S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="124"/>	Mg (ppm)*	<input type="text" value="295"/>		
			Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="26"/>		

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

2024 Wharton Corn



Corn Wharton Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Bayer	DEKALB	DKC 68-35VT2	171	
Nutrien Ag	Dyna-Gro	D54VC14	164	142
Innvictis Seed Solutions	Innvictis	A1689T	157	
Innvictis Seed Solutions	Innvictis	A1792T	156	
Innvictis Seed Solutions	Innvictis	A1542T	155	
Bayer	DEKALB	DKC 69-99TRE	154	135
Nutrien Ag	Dyna-Gro	D56TC44	154	
Progeny Ag Products	Progeny	PGY 9117VT2P	142	129
Progeny Ag Products	Progeny	PGY 2118VT2P	142	121
Innvictis Seed Solutions	Innvictis	A1551VT2P	142	
Progeny Ag Products	Progeny	PGY 2215TRE	140	119
Nutrien Ag	Dyna-Gro	D57TC29	138	122

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

College Station 2024 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Innvictis	A1292VT2PRIB	Genuity VT Double PRO RIB	69	89	36	30,347	15.5	59.3	202
Innvictis	A1551VT2P	Genuity VT Double PRO	69	91	34	30,879	15.7	57.4	194
Integra	6915TRE	Genuity Trecepta	70	90	41	29,330	16.1	57.8	194
Progeny	PGY 2314TRE	Genuity Trecepta	70	88	33	29,548	16.1	58.7	192
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	72	88	32	27,588	16.0	58.7	190
Innvictis	A1542T	Genuity Trecepta	69	88	34	28,096	15.6	57.7	189
Innvictis	A1792T	Genuity Trecepta	70	90	37	27,878	16.0	60.2	182
Integra	6342TRE	Genuity Trecepta	68	81	32	28,846	15.3	57.3	181
Dyna-Gro	D56TC44	Genuity Trecepta	69	89	36	30,129	15.5	58.0	180
Integra	6624TRE	Genuity Trecepta	69	89	34	28,532	15.6	58.1	180
Integra	6864R	RR2	69	85	31	29,427	16.7	58.5	179
Dyna-Gro	D57TC29	Genuity Trecepta	70	90	30	30,686	15.8	57.1	179
Integra	6641SS	SmartStax	69	85	33	28,967	16.4	58.0	178
Dyna-Gro	D58TC94	Genuity Trecepta	70	89	35	29,185	16.2	59.9	178
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	69	86	32	30,274	15.6	57.0	177
Dyna-Gro	D54VC14	Genuity VT Double PRO	68	84	32	27,951	15.6	58.9	177
Progeny	PGY 2215TRE	Genuity Trecepta	70	90	32	28,024	16.0	58.7	176
Innvictis	A1689T	Genuity Trecepta	69	87	36	27,661	15.8	59.2	172
DEKALB	DKC 69-99TRE	Genuity Trecepta	70	87	35	27,007	16.3	59.8	171
Integra	6493VT2P	Genuity VT Double PRO	69	89	35	29,839	15.3	58.2	167
Progeny	PGY 2118VT2P	Genuity VT Double PRO	70	85	33	28,024	17.0	59.9	163

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



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

College Station

2024 Corn

Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Progeny	PGY 9117VT2P	Genuity VT Double PRO	70	85	30	27,661	15.8	58.4	158

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



College Station

2024 Corn

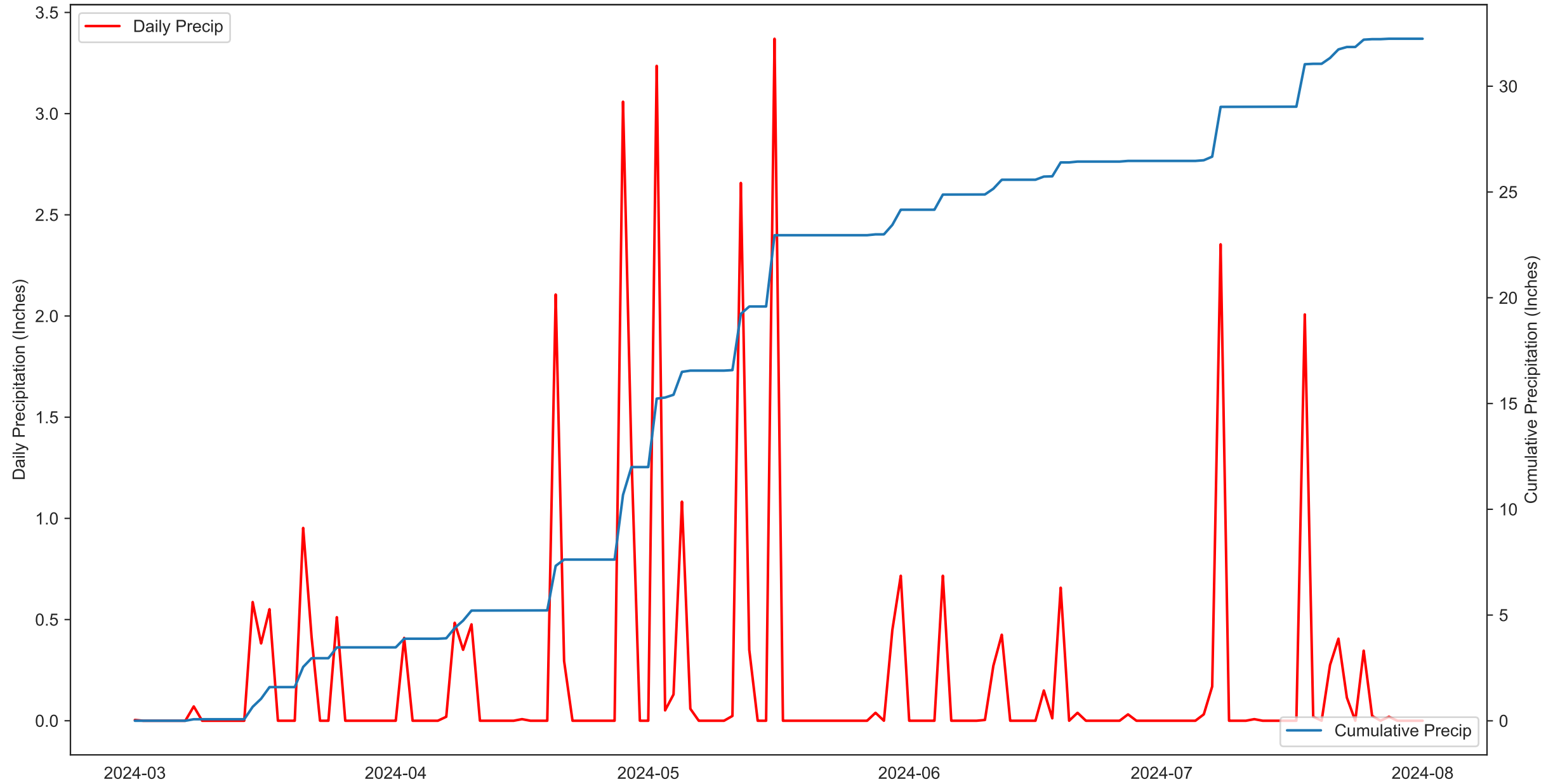
Performance Trial



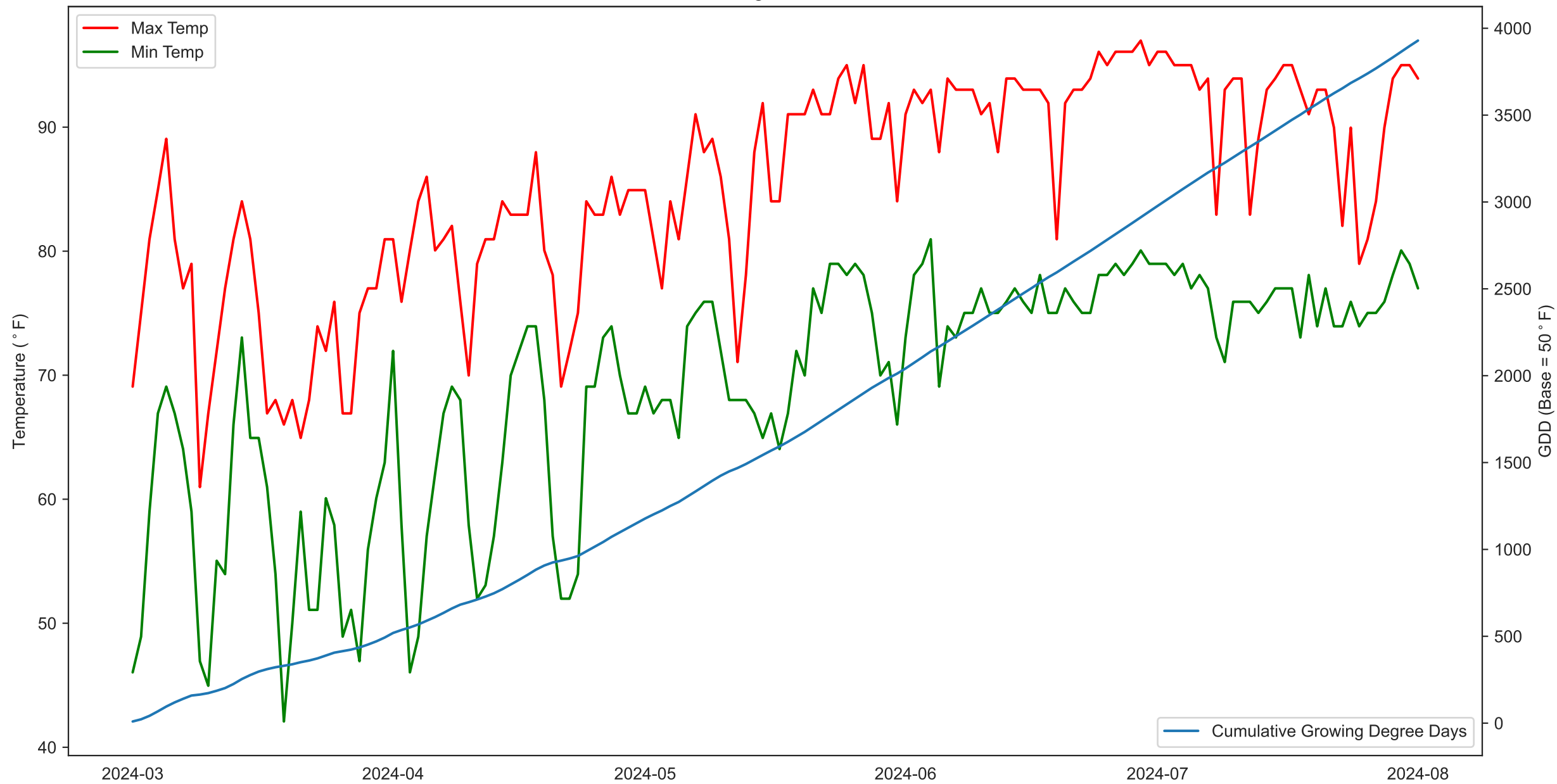
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information									
Plant Date	3/1/2024	Mean	69	87	34	28,904	15.9	58.5	180
Harvest Date	8/1/2024	C.V. %	1.3	2.7	8.4	4.4	1.6	1.0	8.4
Irrigated	Yes	P>f (hybrid)	0.005	0.000	0.000	0.001	0.000	0.000	0.000
Row Spacing (in)	30	L.S.D.	1.4	3.5	4.2	1,858.9	0.4	0.8	12.4
Number of Rows	2	Trial Notes							
Target Seeds per Acre	30,000	Cooperator: Texas A&M AgriLife Research							
Precipitation (in)	30.78	<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p>							
Irrigation (in)	0								
Herbicide									
3/13/24: 16oz/ac Outlook + 1 qt/ac Roundup 3/22/24: 1.33 pt/ac Dual									
Soil Type	Weswood silty clay loam	Fertilizer Applied		Soil Analysis Report**					
Tillage	Conventional	N (lb/ac)	225	NO3-N (ppm)	11	pH	7.9		
Previous Crop	Grain sorghum	P2O5 (lb/ac)	36	P (ppm)*	75	Conductivity (umho/cm)	56		
		K2O (lb/ac)	0	K (ppm)*	196	Ca (ppm)*	4,945		
		S (lb/ac)	15	S (ppm)*	34	Mg (ppm)*	144		
		Zn (lb/ac)	0			Na (ppm)*	12		

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

2024 College Station Corn



2024 College Station Corn



Corn

College Station

Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Bayer	DEKALB	DKC 68-35VT2	202	
Wilbur-Ellis Company	Integra	6624TRE	195	
Nutrien Ag	Dyna-Gro	D57TC29	192	181
Innvictis Seed Solutions	Innvictis	A1551VT2P	191	
Nutrien Ag	Dyna-Gro	D56TC44	189	
Innvictis Seed Solutions	Innvictis	A1792T	188	
Wilbur-Ellis Company	Integra	6342TRE	186	179
Innvictis Seed Solutions	Innvictis	A1542T	185	
Nutrien Ag	Dyna-Gro	D54VC14	185	178
Progeny Ag Products	Progeny	PGY 2118VT2P	185	177
Bayer	DEKALB	DKC 69-99TRE	184	184
Wilbur-Ellis Company	Integra	6641SS	182	180
Progeny Ag Products	Progeny	PGY 9117VT2P	173	173
Progeny Ag Products	Progeny	PGY 2215TRE	173	166

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



Thrall

2024 Corn

Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6915TRE	Genuity Trecepta	69	96	36	23,232	12.7	59.4	192
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	69	91	34	22,070	13.4	59.8	190
Dyna-Gro	D58TC94	Genuity Trecepta	69	94	34	21,780	13.0	62.0	190
Dyna-Gro	D56TC44	Genuity Trecepta	69	92	32	22,167	12.8	59.8	186
Integra	6342TRE	Genuity Trecepta	67	89	32	22,361	12.8	59.2	183
Integra	6493VT2P	Genuity VT Double PRO	69	93	32	21,925	12.9	59.0	179
Progeny	PGY 2314TRE	Genuity Trecepta	68	93	31	22,433	13.1	59.9	179
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	68	91	27	23,038	12.7	58.6	179
DEKALB	DKC 69-99TRE	Genuity Trecepta	69	90	34	21,344	13.0	61.5	169
Integra	6641SS	SmartStax	68	89	32	22,942	13.1	59.2	167
Integra	6624TRE	Genuity Trecepta	68	91	28	22,167	13.0	59.4	164
Dyna-Gro	D57TC29	Genuity Trecepta	69	89	27	21,490	13.0	58.6	163
Progeny	PGY 2118VT2P	Genuity VT Double PRO	69	90	33	19,263	13.0	61.5	162
Dyna-Gro	D54VC14	Genuity VT Double PRO	67	87	27	21,780	12.8	59.2	159
Progeny	PGY 2215TRE	Genuity Trecepta	68	97	36	21,974	12.9	60.5	158
Progeny	PGY 9117VT2P	Genuity VT Double PRO	68	91	28	21,393	12.5	59.8	158
Integra	6864R	RR2	68	93	31	23,426	12.9	60.4	149

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



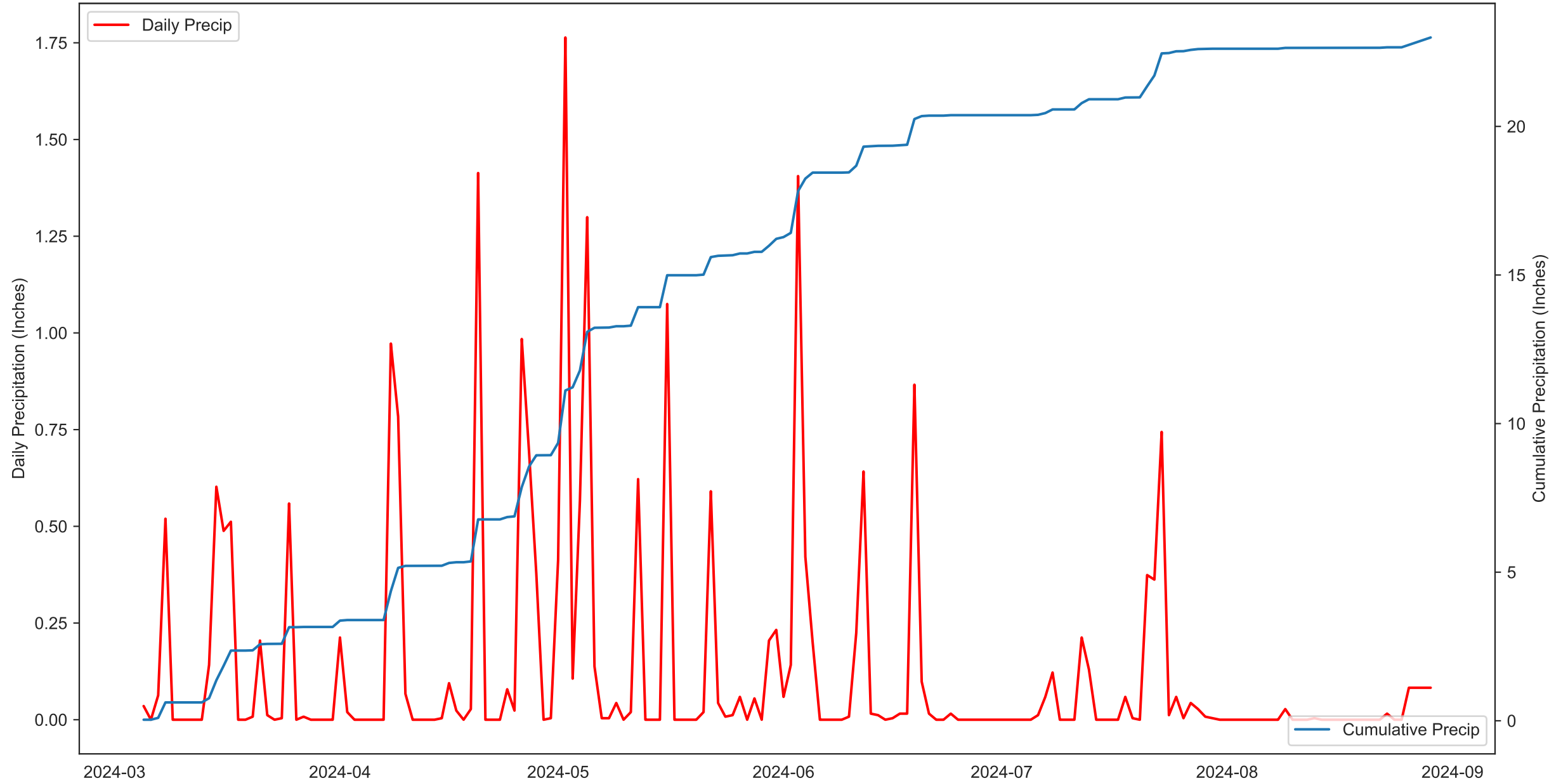
Thrall 2024 Corn Performance Trial



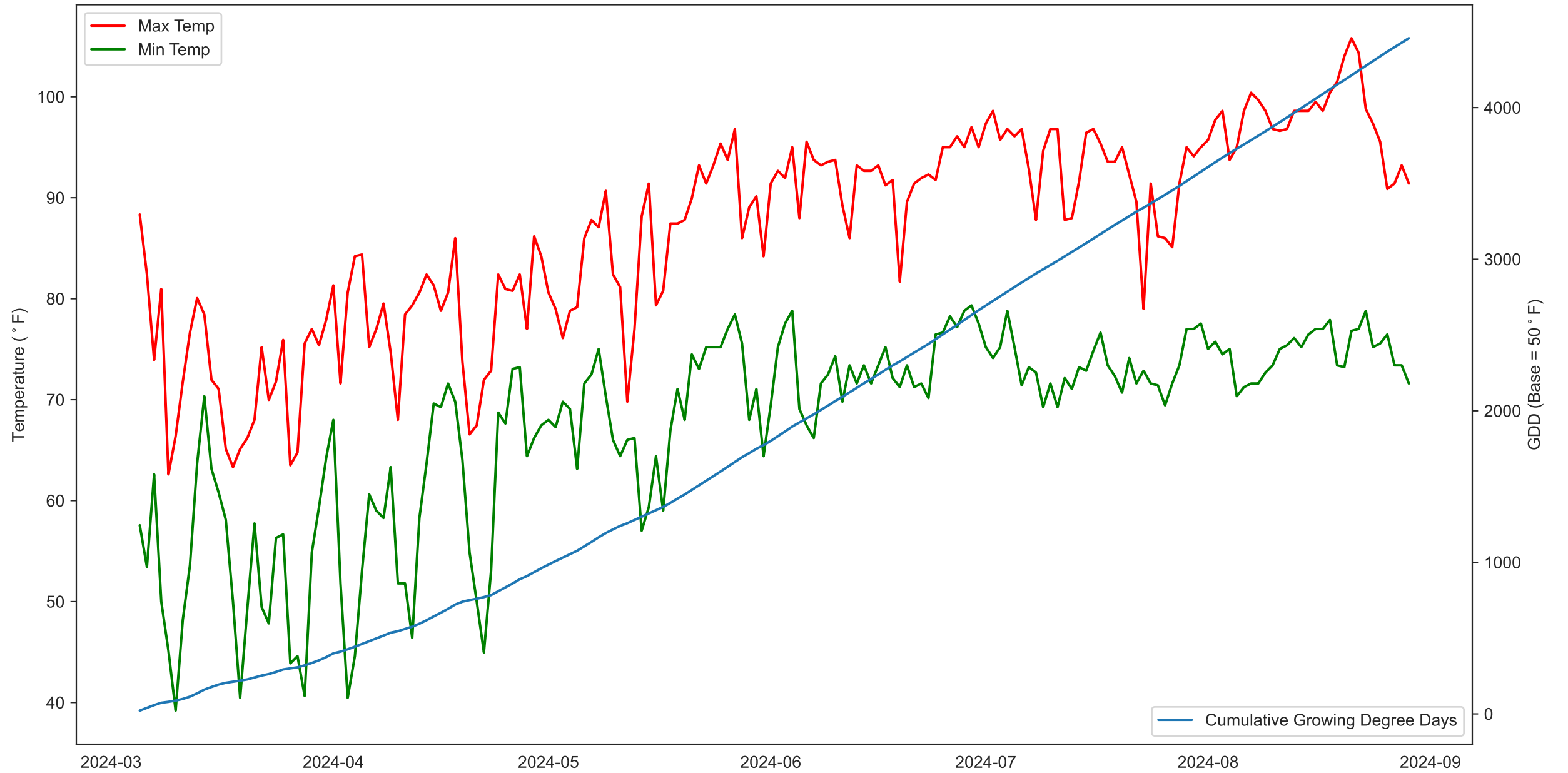
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)		
Agronomic information			Mean	68	92	31	22,046	12.9	59.9	172	
Plant Date	3/5/2024		C.V. %	1.0	3.5	10.4	7.0	1.3	0.7	8.1	
Harvest Date	8/29/2024		P>f (hybrid)	0.001	0.016	0.003	0.274	0.000	0.000	0.000	
Irrigated	No		L.S.D.	1.0	5.0	5.1		0.3	0.7	13.3	
Row Spacing (in)	30		Trial Notes							Cooperator	Stiles Farm Foundation
Number of Rows	2		*Soil samples were taken after fertilizer was broadcast			Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505					
Target Seeds per Acre	24,000										
Precipitation (in)	22.74										
Irrigation (in)											
Herbicide											
3/14/24: 32 oz/ac Roundup + 16 oz/ac Outlook 4/5/24: 1.33 pt/ac Dual + 1 qt/ac Roundup Powermax			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer								
Soil Type	Burleson clay		Fertilizer Applied		Soil Analysis Report**						
Tillage	Conventional		N (lb/ac)	180	NO3-N (ppm)	50	pH	6.6			
Previous Crop	Grain Sorghum		P2O5 (lb/ac)	45	P (ppm)*	91	Conductivity (umho/cm)	258			
			K2O (lb/ac)	10	K (ppm)*	186	Ca (ppm)*	4,343			
			S (lb/ac)	10	S (ppm)*	47	Mg (ppm)*	673			
			Zn (lb/ac)	0			Na (ppm)*	24			

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

2024 Thrall Corn



2024 Thrall Corn



Corn Thrall Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Wilbur-Ellis Company	Integra	6342TRE	135	110
Bayer	DEKALB	DKC 68-35VT2	132	
Nutrien Ag	Dyna-Gro	D56TC44	127	
Wilbur-Ellis Company	Integra	6624TRE	122	
Nutrien Ag	Dyna-Gro	D54VC14	122	101
Progeny Ag Products	Progeny	PGY 2215TRE	120	94
Nutrien Ag	Dyna-Gro	D57TC29	120	98
Bayer	DEKALB	DKC 69-99TRE	118	98
Wilbur-Ellis Company	Integra	6641SS	117	98
Progeny Ag Products	Progeny	PGY 2118VT2P	115	95
Progeny Ag Products	Progeny	PGY 9117VT2P	104	91

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



Bardwell 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6915TRE	Genuity Trecepta	84	90	32	23,377	13.9	57.7	156
Integra	6342TRE	Genuity Trecepta	81	83	28	21,998	13.0	58.8	156
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	86	84	29	22,651	13.6	59.7	156
Dyna-Gro	D58TC94	Genuity Trecepta	84	87	29	23,813	13.2	60.2	152
Dyna-Gro	D54VC14	Genuity VT Double PRO	81	84	25	21,635	12.8	59.4	151
Dyna-Gro	D56TC44	Genuity Trecepta	84	86	30	22,579	13.6	58.4	147
DEKALB	DKC 69-99TRE	Genuity Trecepta	84	86	30	23,450	13.9	60.6	146
Progeny	PGY 2314TRE	Genuity Trecepta	84	85	26	22,724	14.0	58.5	145
Dyna-Gro	D57TC29	Genuity Trecepta	83	90	28	23,450	13.4	57.3	145
Integra	6493VT2P	Genuity VT Double PRO	85	89	30	21,562	13.0	58.5	145
Integra	6624TRE	Genuity Trecepta	82	84	28	22,724	13.3	58.8	145
Integra	6864R	RR2	81	85	32	22,651	14.2	59.5	144
Dyna-Gro	D54SS74RIB	Genuity SmartStax RIB Comp	85	83	24	22,796	12.6	57.4	139
Progeny	PGY 2215TRE	Genuity Trecepta	83	87	28	22,433	14.0	59.3	139
Integra	6641SS	SmartStax	84	81	25	22,070	13.5	59.3	135
Progeny	PGY 2118VT2P	Genuity VT Double PRO	84	80	28	20,546	14.9	60.5	132
Progeny	PGY 9117VT2P	Genuity VT Double PRO	85	84	23	21,925	12.9	59.6	129

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



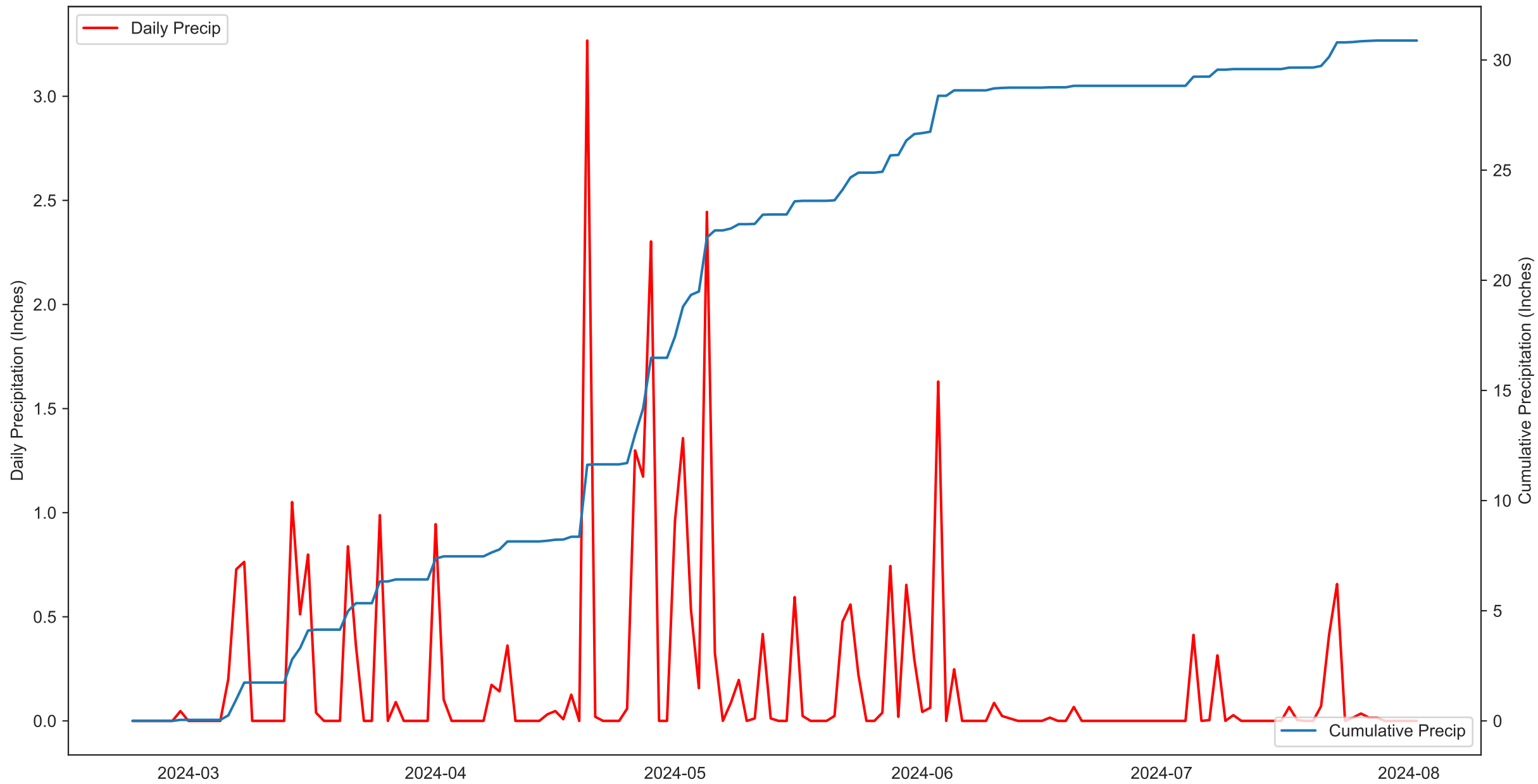
Bardwell 2024 Corn Performance Trial



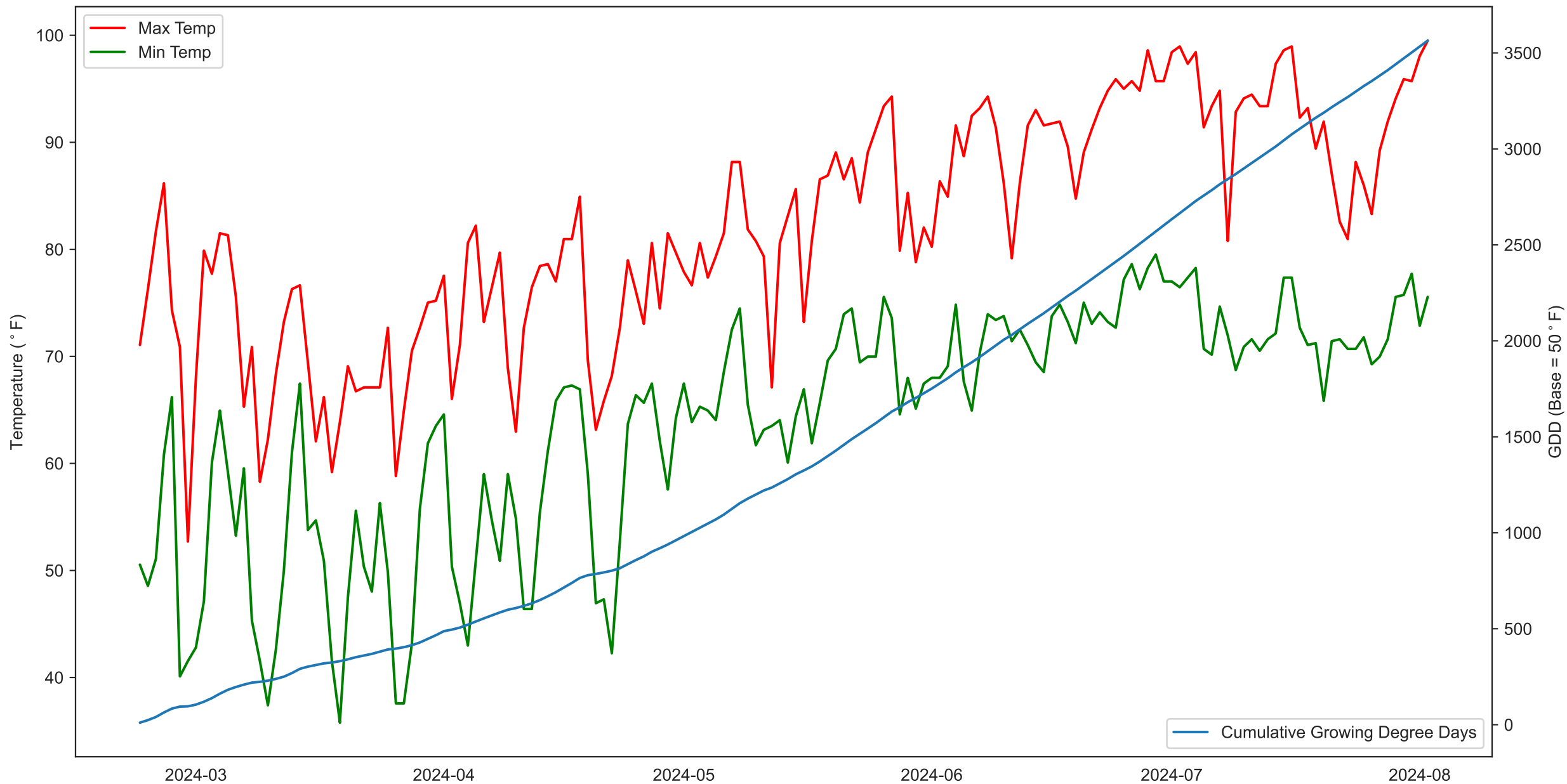
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	83	85	28	13.5	59.0	145
Plant Date	2/23/2024		C.V. %	1.4	3.7	10.7	2.9	1.0	9.7
Harvest Date	8/2/2024		P>f (hybrid)	0.000	0.002	0.002	0.000	0.000	0.220
Irrigated	No		L.S.D.	1.7	4.5	4.2	0.6	0.8	
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border: 1px solid gray; height: 100px;"></div> <div style="width: 35%; border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">Cooperator Steven Beakley</p> <p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p> </div> </div>						
Target Seeds per Acre	24,000								
Precipitation (in)	30.88		<p>* Mehlich 3 by ICP, soiltesting.tamu.edu</p> <p>** Samples collected at planting, some locations may have applied fertilizer</p>						
Irrigation (in)									
Herbicide			Fertilizer Applied			Soil Analysis Report**			
2.5 oz/ac Zidua			N (lb/ac)	145	NO3-N (ppm)	6	pH	7.8	
Soil Type	Branyon clay		P2O5 (lb/ac)	23	P (ppm)*	29	Conductivity (umho/cm)	70	
Tillage	Conventional		K2O (lb/ac)	22	K (ppm)*	444	Ca (ppm)*	16,556	
Previous Crop	Cotton		S (lb/ac)	22	S (ppm)*	109	Mg (ppm)*	216	
			Zn (lb/ac)				Na (ppm)*	22	

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

2024 Bardwell Corn



2024 Bardwell Corn



Corn Bardwell Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Bayer	DEKALB	DKC 68-35VT2	153	
Nutrien Ag	Dyna-Gro	D54VC14	149	112
Nutrien Ag	Dyna-Gro	D56TC44	144	
Nutrien Ag	Dyna-Gro	D57TC29	143	109
Bayer	DEKALB	DKC 69-99TRE	139	107
Progeny Ag Products	Progeny	PGY 9117VT2P	138	102
Progeny Ag Products	Progeny	PGY 2215TRE	137	104
Wilbur-Ellis Company	Integra	6624TRE	131	
Wilbur-Ellis Company	Integra	6641SS	123	93
Wilbur-Ellis Company	Integra	6342TRE	120	100
Progeny Ag Products	Progeny	PGY 2118VT2P	99	78

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



Dumas 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Croplan	CP5760TRE	Genuity Trecepta	67	104	41	32,897	19.6	57.9	278
DEKALB	DKC 70-45VT2	Genuity VT Double PRO	69	102	43	30,052	20.8	59.1	275
Integra	6493VT2P	Genuity VT Double PRO	68	99	43	30,716	16.8	60.4	272
Croplan	CP5363TRE	Genuity Trecepta	69	103	43	31,654	18.1	59.0	272
DEKALB	DKC 114-99	VT4PRO with RNAi	69	104	48	30,599	17.4	60.3	271
Integra	6915TRE	Genuity Trecepta	69	107	48	32,644	20.8	57.5	270
Dyna-Gro	D57TC29	Genuity Trecepta	68	104	39	31,604	19.9	57.8	269
Integra	6342TRE	Genuity Trecepta	67	100	42	30,928	16.2	59.7	269
Dyna-Gro	D60TC45	Genuity Trecepta	69	106	50	31,460	19.9	58.2	268
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	68	107	46	31,000	18.6	60.9	266
Integra	6244PCE	Powercore	68	103	41	31,394	16.6	59.0	266
DEKALB	DKC 113-83	Genuity Trecepta	69	102	43	32,331	16.3	60.1	266
Dyna-Gro	D56TC44	Genuity Trecepta	68	102	43	31,625	18.4	58.9	266
Integra	6624TRE	Genuity Trecepta	68	102	39	30,492	17.8	59.5	263
DEKALB	DKC 69-99TRE	Genuity Trecepta	68	106	46	30,079	20.2	59.7	260
DEKALB	DKC 66-06TRE	Genuity Trecepta	69	105	43	30,347	19.0	59.9	257
Dyna-Gro	D58TC94	Genuity Trecepta	70	105	46	31,000	20.8	59.1	255
DEKALB	DKC 117-78	Genuity VT Double PRO	69	101	46	28,314	17.6	60.4	245
Croplan	CP5682TRE	Genuity Trecepta	69	104	47	33,686	19.0	58.3	245
Integra	6864R	RR2	67	100	42	30,637	18.0	59.7	244
Integra	6641SS	SmartStax	69	99	43	30,815	20.7	57.6	243

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



Dumas

2024 Corn

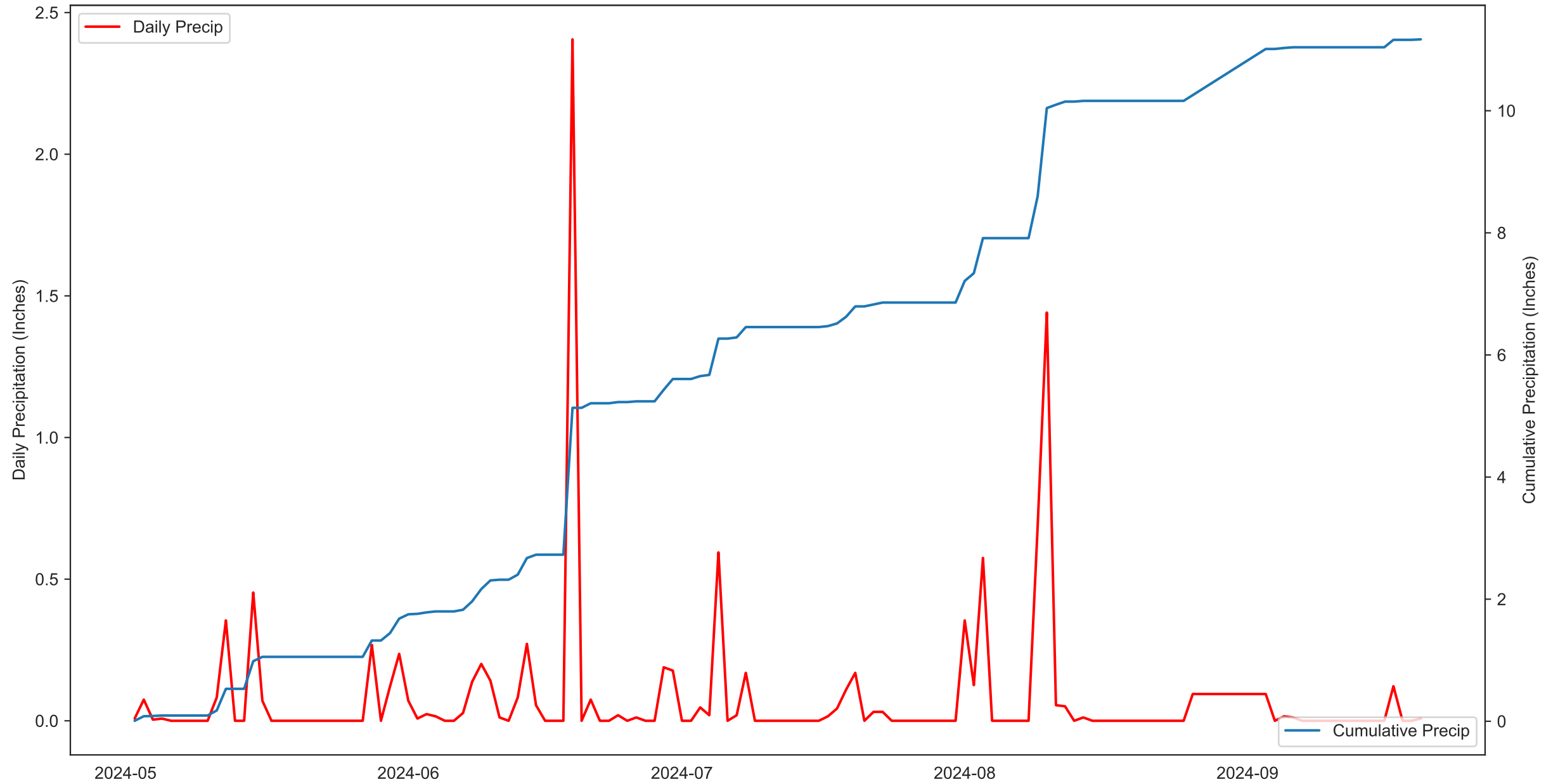
Performance Trial



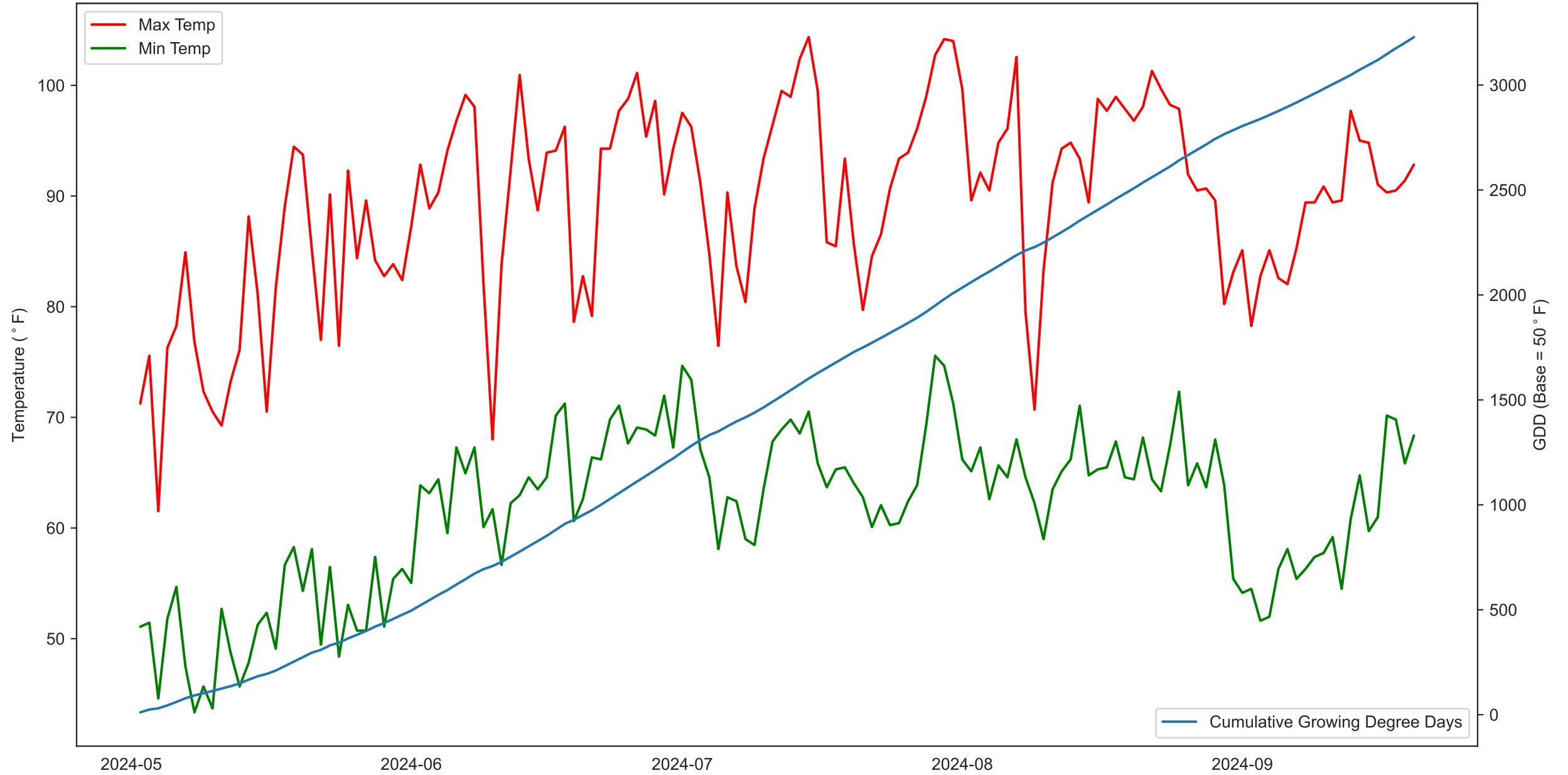
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)		
Agronomic information			Mean	68	103	44	31,156	18.7	59.2	263	
Plant Date	5/2/2024		C.V. %	1.4	3.1	6.0	3.1	3.6	0.8	5.0	
Harvest Date	9/20/2024		P>f (hybrid)	0.001	0.007	0.000	0.000	0.000	0.000	0.004	
Irrigated	Yes		L.S.D.	1.4	4.7	3.8	1,428.1	1.0	0.7	19.2	
Row Spacing (in)	30		Trial Notes							Cooperator	Lone Star Family Farms
Number of Rows	2		<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p>								
Target Seeds per Acre	32,000										
Precipitation (in)	10.32										
Irrigation (in)											
Herbicide			<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>								
Soil Type	Sherm silty clay loam		Fertilizer Applied			Soil Analysis Report**					
Tillage	Strip-till		N (lb/ac)		NO3-N (ppm)	126	pH		7.3		
Previous Crop	Wheat		P2O5 (lb/ac)		P (ppm)*	118	Conductivity (umho/cm)		319		
			K2O (lb/ac)		K (ppm)*	643	Ca (ppm)*		4,249		
			S (lb/ac)		S (ppm)*	53	Mg (ppm)*		820		
			Zn (lb/ac)				Na (ppm)*		54		

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

2024 Dumas Corn



2024 Dumas Corn





Dalhart

2024 Corn

Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Croplan	CP5760TRE	Genuity Trecepta	N/A	112	45	31,557	25.3	53.0	288
Integra	6342TRE	Genuity Trecepta	N/A	104	46	31,073	17.6	57.1	287
Dyna-Gro	D58TC94	Genuity Trecepta	N/A	110	47	30,366	23.9	55.1	281
Integra	6915TRE	Genuity Trecepta	N/A	108	52	33,308	23.0	53.4	280
Dyna-Gro	D60TC45	Genuity Trecepta	N/A	109	51	32,141	23.2	53.7	272
DEKALB	DKC 69-99TRE	Genuity Trecepta	N/A	104	48	30,492	22.2	56.0	269
Integra	6244PCE	Powercore	N/A	106	43	30,008	17.1	57.0	268
Dyna-Gro	D57TC29	Genuity Trecepta	N/A	112	45	31,750	25.9	52.6	263
DEKALB	DKC 113-83	Genuity Trecepta	N/A	109	44	31,436	19.5	56.8	262
Dyna-Gro	D56TC44	Genuity Trecepta	N/A	102	48	31,277	20.3	55.9	261
DEKALB	DKC 66-06TRE	Genuity Trecepta	N/A	108	42	30,782	20.9	55.5	257
DEKALB	DKC 70-45VT2	Genuity VT Double PRO	N/A	104	47	29,040	24.2	54.3	257
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	N/A	102	44	30,536	20.8	56.8	255
Integra	6864R	RR2	N/A	112	47	30,202	24.6	53.4	254
DEKALB	DKC 114-99	VT4PRO with RNAi	N/A	104	54	31,291	21.0	56.2	253
Integra	6493VT2P	Genuity VT Double PRO	N/A	103	46	30,589	20.2	56.2	253
Croplan	CP5363TRE	Genuity Trecepta	N/A	104	43	30,535	21.2	55.5	253
Integra	6624TRE	Genuity Trecepta	N/A	106	44	29,819	21.0	55.5	253
Integra	6641SS	SmartStax	N/A	104	45	30,879	20.4	54.9	247
Croplan	CP5682TRE	Genuity Trecepta	N/A	109	47	33,106	23.2	53.6	238
DEKALB	DKC 117-78	Genuity VT Double PRO	N/A	104	46	27,733	20.6	56.4	213

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



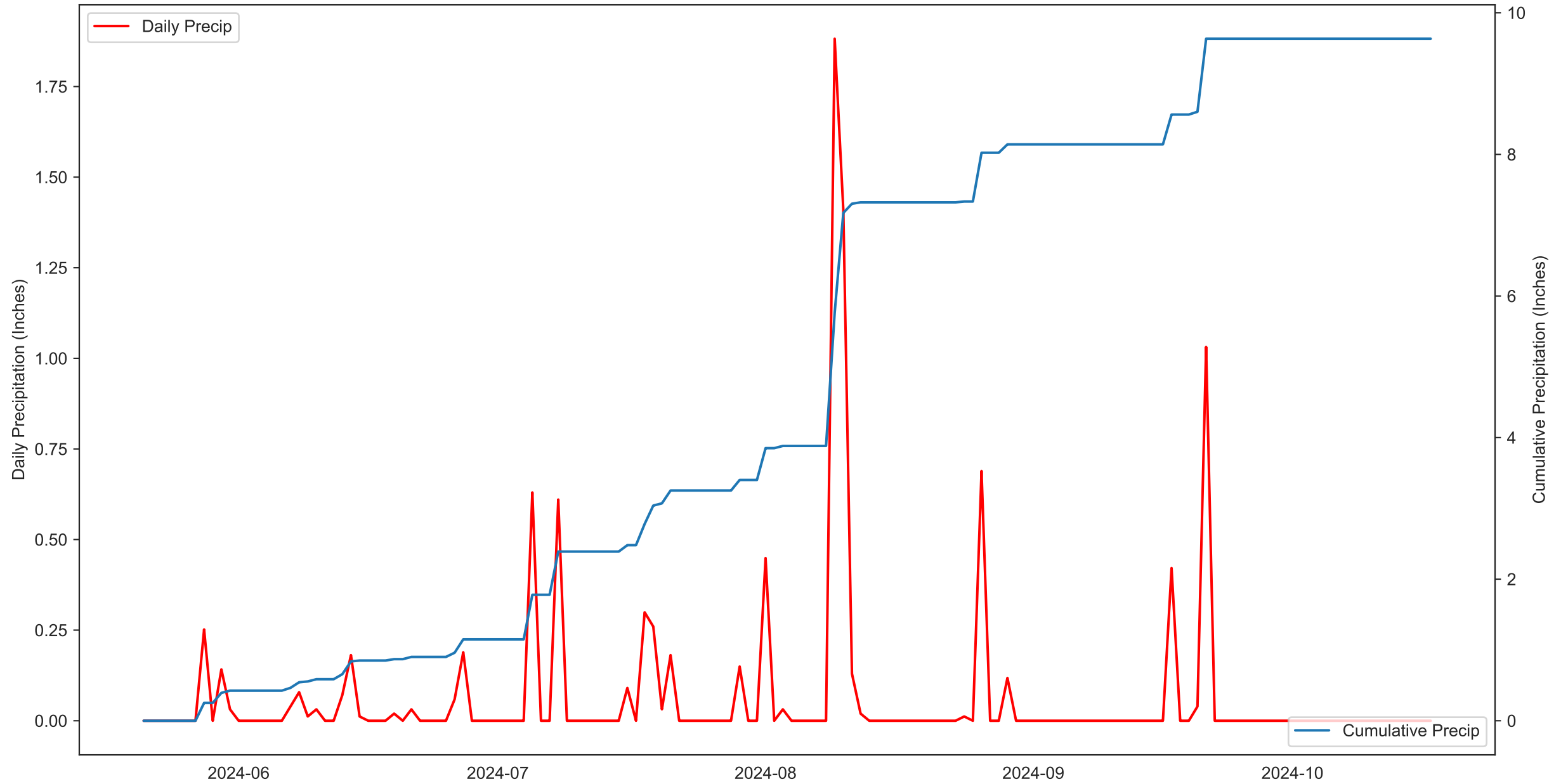
Dalhart 2024 Corn Performance Trial



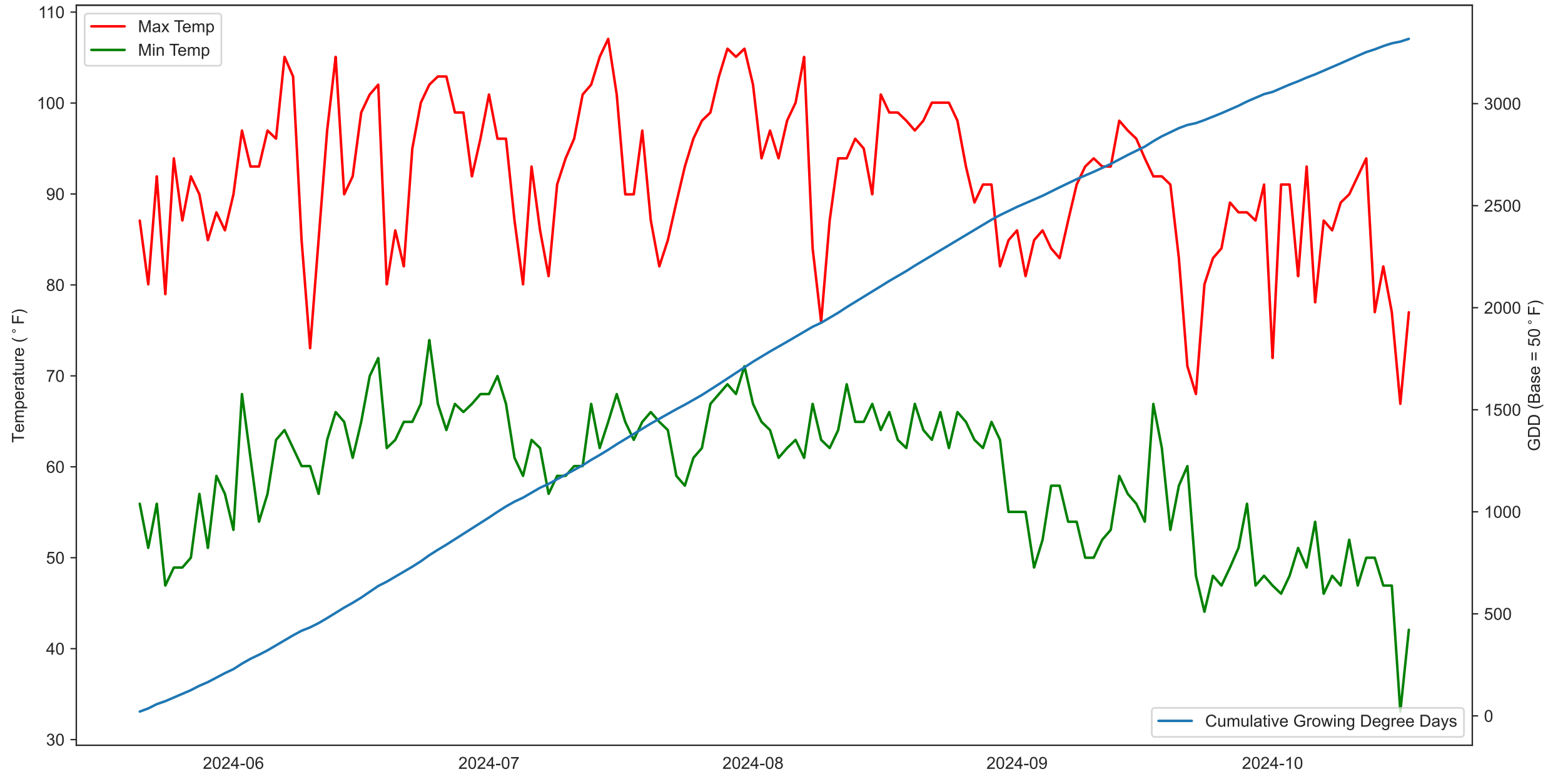
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	107	46	30,853	21.7	55.2	260
Plant Date	5/21/2024		C.V. %	4.4	7.3	3.4	6.1	1.1	7.8
Harvest Date	10/17/2024		P>f (hybrid)	0.092	0.001	0.000	0.000	0.000	0.018
Irrigated	Yes		L.S.D.	7.1	5.2	3.4	2.0	0.9	31.2
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border: 1px solid gray; height: 100px;"></div> <div style="width: 35%; border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">Cooperator Evan Dewey</p> <p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p> </div> </div>						
Target Seeds per Acre	32,000								
Precipitation (in)	9.63								
Irrigation (in)									
Herbicide									
Soil Type	Dallam loamy fine sand		Fertilizer Applied			Soil Analysis Report**			
Tillage	Strip-till		N (lb/ac)		NO3-N (ppm)	106	pH	7.6	
Previous Crop	Wheat		P2O5 (lb/ac)		P (ppm)*	200	Conductivity (umho/cm)	394	
			K2O (lb/ac)		K (ppm)*	1,250	Ca (ppm)*	3,763	
			S (lb/ac)		S (ppm)*	43	Mg (ppm)*	554	
			Zn (lb/ac)				Na (ppm)*	127	

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

2024 Dalhart Corn



2024 Dalhart Corn



Corn Dalhart Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield bu/Acre	3 YR AVG Yield bu/Acre
Wilbur-Ellis Company	Integra	6342TRE	248	
Nutrien Ag	Dyna-Gro	D57TC29	247	
Bayer	DEKALB	DKC 66-06TRE	247	
Bayer	DEKALB	DKC 69-99TRE	243	
Wilbur-Ellis Company	Integra	6624TRE	243	
Nutrien Ag	Dyna-Gro	D56TC44	241	
Bayer	DEKALB	DKC 70-45VT2	239	
Bayer	DEKALB	DKC 68-35VT2	238	
Wilbur-Ellis Company	Integra	6641SS	237	

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



Spearman 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D58TC94	Genuity Trecepta	N/A	106	48	31,557	17.6	59.4	281
Integra	6342TRE	Genuity Trecepta	N/A	103	44	31,266	14.4	59.0	276
Innvictis	A1292VT2PRIB	Genuity VT Double PRO RIB	N/A	106	45	30,710	14.5	60.0	272
Dyna-Gro	D60TC45	Genuity Trecepta	N/A	110	52	31,508	17.2	57.8	270
Croplan	CP5363TRE	Genuity Trecepta	N/A	108	45	29,815	16.4	58.0	269
DEKALB	DKC 70-45VT2	Genuity VT Double PRO	N/A	110	46	27,080	18.6	58.5	268
Dyna-Gro	D56TC44	Genuity Trecepta	N/A	107	45	29,693	15.9	59.0	267
Croplan	CP5760TRE	Genuity Trecepta	N/A	110	45	31,557	17.6	57.3	267
DEKALB	DKC 113-83	Genuity Trecepta	N/A	107	43	30,855	15.0	59.3	267
Integra	6493VT2P	Genuity VT Double PRO	N/A	109	47	29,693	15.9	58.9	266
Integra	6915TRE	Genuity Trecepta	N/A	109	50	30,821	17.8	58.1	264
Integra	6624TRE	Genuity Trecepta	N/A	110	47	29,166	16.0	58.6	260
DEKALB	DKC 68-35VT2	Genuity VT Double PRO	N/A	108	46	29,972	16.6	60.2	260
DEKALB	DKC 114-99	VT4PRO with RNAi	N/A	107	48	28,822	16.7	58.4	259
Innvictis	A1551VT2P	Genuity VT Double PRO	N/A	104	45	30,492	15.5	57.4	258
Innvictis	A1542T	Genuity Trecepta	N/A	108	46	28,072	15.7	58.5	256
Innvictis	A1689T	Genuity Trecepta	N/A	106	47	29,963	16.5	59.7	256
DEKALB	DKC 117-78	Genuity VT Double PRO	N/A	109	49	28,895	16.2	59.8	254
DEKALB	DKC 69-99TRE	Genuity Trecepta	N/A	110	49	28,750	17.4	59.4	253
Dyna-Gro	D57TC29	Genuity Trecepta	N/A	110	42	30,879	18.6	56.8	252
Integra	6244PCE	Powercore	N/A	107	46	31,726	14.7	58.5	251

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



Spearman 2024 Corn Performance Trial



Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Integra	6641SS	SmartStax	N/A	106	47	30,202	18.8	57.0	251
Innvictis	A1792T	Genuity Trecepta	N/A	109	50	28,604	17.8	59.6	248
Croplan	CP5682TRE	Genuity Trecepta	N/A	110	49	31,291	17.4	57.1	240
Integra	6864R	RR2	N/A	101	43	29,814	17.3	58.5	238
DEKALB	DKC 66-06TRE	Genuity Trecepta	N/A	106	43	29,911	16.3	58.6	225

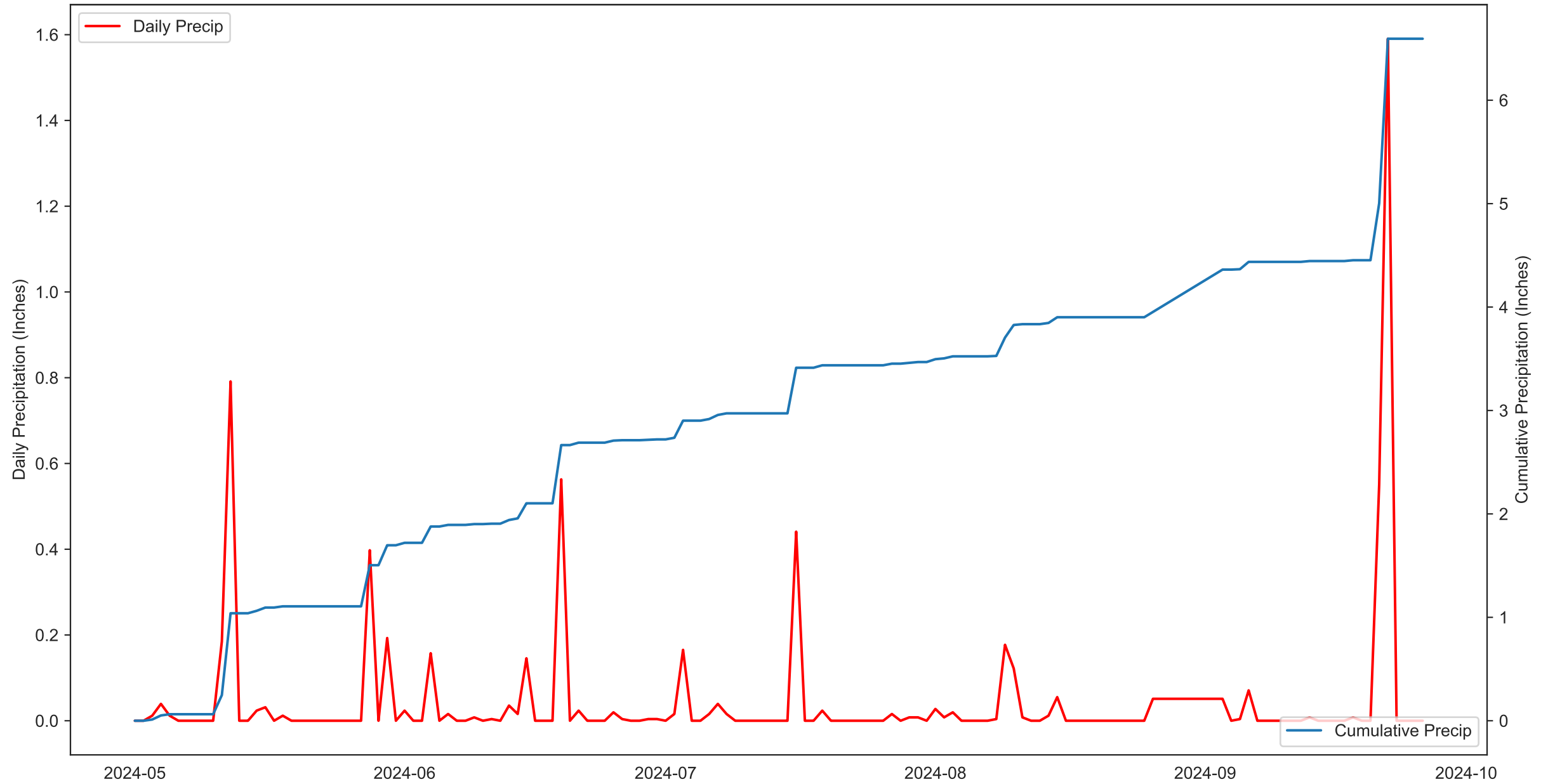
*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

Spearman 2024 Corn Performance Trial

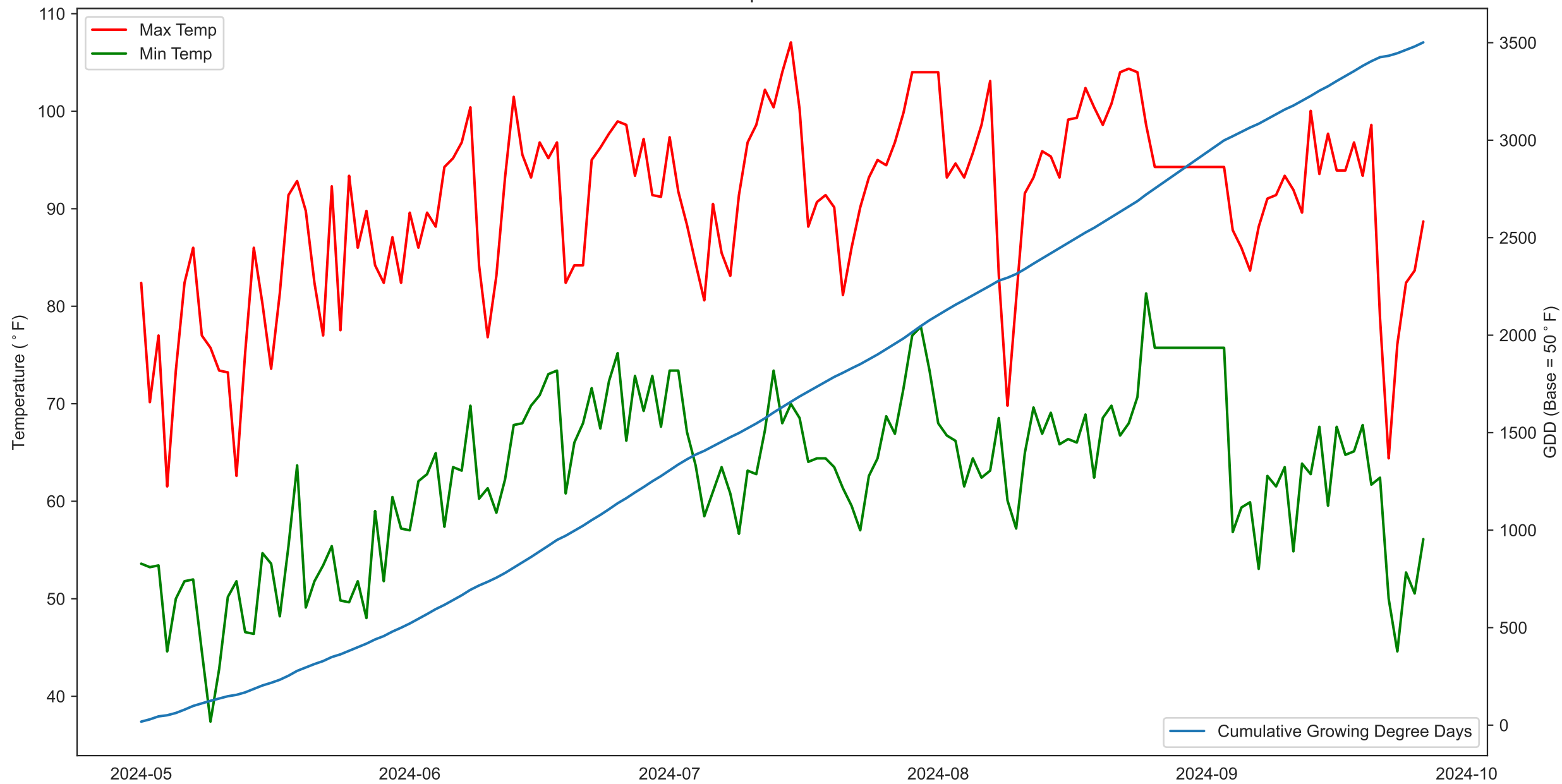
Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information									
Plant Date	5/1/2024	Mean		108	46	30,043	16.6	58.6	259
Harvest Date	9/26/2024	C.V. %		3.1	7.2	4.4	3.0	1.2	4.9
Irrigated	Yes	P>f (hybrid)		0.086	0.035	0.001	0.000	0.000	0.001
Row Spacing (in)	30	L.S.D.			5.2	2,061.4	0.8	1.1	19.9
Number of Rows	2	Trial Notes							
Target Seeds per Acre	32,000	Cooperator Travis Patterson							
Precipitation (in)	6.59	<p>Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a Zurn 160 plot combine fitted with a Harvest Master H3 GrainGage System. Precipitation data was recorded from planting date through the harvest date.</p> <p>For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-321-5939 / 979-845-8505</p>							
Irrigation (in)									
Herbicide									
Soil Type	Perryton silty clay loam								
Tillage	Strip-till	Fertilizer Applied		Soil Analysis Report**					
Previous Crop	Wheat	N (lb/ac)		NO3-N (ppm)	29	pH	7.5		
		P2O5 (lb/ac)		P (ppm)*	54	Conductivity (umho/cm)	128		
		K2O (lb/ac)		K (ppm)*	815	Ca (ppm)*	3,845		
		S (lb/ac)		S (ppm)*	38	Mg (ppm)*	1,043		
		Zn (lb/ac)				Na (ppm)*	52		

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

2024 Spearman Corn



2024 Spearman Corn



ACKNOWLEDGMENTS

Appreciation for assistance and cooperation in conducting these tests is expressed to the following:

<u>Cooperator</u>	<u>Trial Location</u>	<u>County</u>	<u>Region</u>
Texas AgriScience	Monte Alto	Hidalgo	Rio Grande Valley
Chris Buzek	Victoria	Victoria	Upper Gulf Coast
Larry & Clint Kalina	Wharton	Wharton	Upper Gulf Coast
Nelson Reus	Hondo	Medina	South Texas Plains
Texas A&M AgriLife Research	College Station	Burleson	Brazos Valley
Stiles Farm Foundation	Thrall	Williamson	Blacklands
Bob & Steven Beakley	Bardwell	Ellis	Blacklands
Texas A&M AgriLife Research	Greenville	Hunt	Blacklands
Lone Star Family Farms	Dumas	Moore	High Plains
Evan Dewey	Dalhart	Dallam	High Plains
Travis Patterson	Spearman	Hansford	High Plains

Texas A&M AgriLife Personnel:

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Dennis Coker
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Stephen Labar
Kristy Slough
Scott Strawn
Russell Sutton
Taryn Titsworth

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Others: Wayne Scholtz, Retired CEA, Medina County

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Texas A&M AgriLife Research and AgriLife Extension Service

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