



2023 Dryland Enlist Technology Cotton Variety Trial – Lonestar Gin

**Eric Eyster Farm
Custer City, OK**

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Summary

In 2019, a cotton variety testing program was established as a new service created by Windstar Inc. affiliated gins. These gins are working together to support a Cotton Agronomics Manager position. One of the components of this program is to work with local producers to scientifically evaluate varieties in a commercial on-farm setting from planting through ginning. These unique replicated trials are planted and harvested with the grower's commercial equipment. Each variety's round modules are combined across all replicates and then ginned and classed separately in an extremely detailed manner. Purging and weighing any remnant bale from the press is also performed for each variety. All lint samples from each variety's commercial bales are then classed by the USDA-AMS classing office. This detailed ginning and classing management of all round modules for each variety is key to the success of this program and to the best of our knowledge is without peer in the U.S. ginning industry.

At this site in 2023, six PhytoGen entries (including two experimental lines) with Enlist technology were planted in a non-irrigated field in a scientifically valid trial with three replicates. *Dry conditions prevailed at the site during the late winter and early spring, then considerable rainfall began in May. The trial was planted May 31, and subsequently during the months of June and July, excessive rainfall was encountered at the site. June was abnormally cool. Additionally, a hail event was noted on July 8th which shredded some upper mainstem leaf tissue on a high percentage of plants, but did not otherwise result in significant crop damage. A dense canopy consisting of large leaves was produced due to the wet conditions. Excessively high temperatures and dry conditions were encountered in the last half of August and the first half of September. These dry conditions in conjunction with the dense crop canopy resulted in significant rapid onset moisture stress during this time. Staple was negatively impacted by moisture stress, and short staple was noted in some entries. Fiber maturity as measured by micronaire was also impacted by the moisture stress and some entries exhibited somewhat lower than anticipated micronaire.*

Harvest results indicated that statistically significant differences were observed. Lint yields ranged from a high of 463 lb/acre (PHY 400 W3FE) to a low of 358 lb/acre (PX1124B236-04 W3FE), and averaged 420 lb/acre (Table 1). Average Loan value for varieties from commercially ginned and classed bales varied from a high of \$0.5268/lb (PX1125B234-04

W3FE) to a low of \$0.4664/lb (PHY 400 W3FE). Overall Loan value for the trial across all entries was \$0.5089/lb. When including lint Loan value on a per acre basis and net gin credit (defined as seed credit minus ginning expense), statistically significant differences were found among varieties for net value/acre. PHY 332 W3FE had the highest net value at \$284/acre, and PX1124B236-04 W3FE had the lowest at \$213/acre.

Table 2 presents in-season data including stand establishment percentage, vigor, nodes above white flower (NAWF) on three observation dates, plant height on three observation dates, nodes above cracked boll (NACB) on September 22nd and a visual estimate of storm resistance at harvest. Final plant heights ranged from a high of 25.5 inches for PHY 332 W3FE to a low of 20.1 inches for PX1125B234-04 W3FE.

Table 3 provides the USDA-AMS classing results from each commercial bale for each variety and the variety averages. Averages indicate that color grades were good and typically ranged from about 21 to 31 across all entries. Leaf grades ranged from about 2 to 3. Staple ranged from about 32.7 (PHY 400 W3FE) to 34.5 32nds inch (PHY 415 W3FE). Micronaire averages were good for all entries and ranged from a low of 3.6 (PHY 400 W3FE) to 4.0 (PX1125B234-04 W3FE). No bark contamination was noted in commercial bales. Fiber strength ranged from 27.7 to 31.7 g/tex, and uniformity ranged from 76.7 to 78.7%.

Disclaimer: Readers should realize that results from one trial do not represent conclusive evidence that the same response would occur where conditions vary. Multi-site and multi-year data are always best. For this trial, good scientific techniques were used and the results are presented to indicate what actually occurred in the trial. Context of the environment, overall growing season impact, management techniques, and trial methodology used are important and must be considered.

Site Information and Methods

Elevation: 1710 ft

Previous crop: 2022 – failed wheat that was planted to hay grazer cover that was undisturbed until cotton planting in 2023.

Tillage system: No-till

Planted: May 31

Replicates: 3 replicates in a randomized complete block design

Plot width: 16-row plots

Plot length: trial was planted in ~2,600 ft long rows

Seeding rate: 32,000 seed/acre

Days from planting to first bloom: 56 (July 26)

Row spacing: 30-inch rows

Total rainfall May through September: ~27.2 inches (includes April and May Weatherford Mesonet data)

April: 1.1 (Mesonet), May: 5.4 (Mesonet), June 7.3, July: 9.8, August: 2.2,
September: 1.4

Fertility management: 55 lb N/acre using urea (46-0-0) and N included with phosphorus application; 25 lb/acre P₂O₅ using 18-46-0; 30 lb/acre K₂O using 0-0-60, 5 lb/acre using ZnSO₄; all applied in April using air seeder

Herbicide applications:

April 12: 22 oz/acre Roundup, 8 oz/acre 2,4D LV6, 4 oz/acre Dicamba, 2 oz/acre valor
May 31: 28 oz/acre Paraquat, 24 oz/acre Diuron
June 22: 24 oz/acre Roundup, 24 oz/acre Enlist One
July 13: 32 oz/acre Liberty

Plant growth regulators: 6 oz/acre mepiquat chloride on July 13

Insecticides: June 22 – 8 oz/acre acephate, July 13 - 2 oz/acre imidacloprid

Harvest aid application: October 16 - 1 qt/acre ethephon plus 1 oz/acre Aim

Harvesting: November 13 using a John Deere CS690 and 2480 ft of length was harvested for each 16-row plot. Round modules were weighed using the integral CS690 handler scale, and all round modules were weighed at the Lonestar Gin.

Commercial ginning: Round modules for all 3 reps of each variety were staged together (1 per plot, with 3 reps = 3 total per variety) and commercially ginned separately by Lonestar Gin.
Commercial ginning included: cleaning module feeder, clearing gin stream, dumping seed rolls, and purging remnant bale in press. This process was initiated before the first variety module was ginned and then repeated for each variety module in trial.

Remnants were ejected from the bale press and weighed, but not sampled for USDA-AMS classing. Only data from commercial bales are included in classing data for each variety.

Lint value: Table 1 is based on CCC Loan value from commercial ginning and USDA-AMS classing results.

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Acknowledgements

Lonestar Gin would like to thank Eric Eyster, for committing equipment, land, and time to conduct and manage the trial. Eric planted, managed, and harvested the trial and we are very appreciative of his excellent skills and cooperation. Gratitude is expressed to PhytoGen Cottonseed, Corteva, and Windstar Inc. Detailed ginning was performed by Dalton Skinner and the Lonestar Gin crew and a big thank you is extended to this hard-working group.



Table 1. Harvest results for the dryland Enlist cotton variety trial, Eyster Farm, Custer City, OK, 2023.

Entry	Lint turnout	Seed turnout	Bur cotton yield	Lint yield	Seed yield	Lint loan value	Lint value	Net gin credit	Net value
----- % -----									
PHY332W3FE	28.4	52.2	1549	440	809	0.5183	228	55	284 a
PHY415W3FE	30.6	41.9	1425	437	596	0.5236	229	31	260 b
PHY400W3FE	32.0	43.8	1444	463	633	0.4664	216	36	251 b
PX1125B234-04W3FE	27.2	42.6	1514	411	645	0.5268	217	35	251 b
PHY411W3FE	31.7	39.8	1297	411	516	0.5000	206	25	230 c
PX1124B236-04W3FE	29.7	42.1	1206	358	508	0.5184	186	27	213 c
Test average	30.0	43.7	1406	420	618	0.5089	214	35	248
CV, %	--	--	5.2	4.9	5.8	--	5.0	6.5	5.2
OSL	--	--	0.0014	0.0017	0.0001	--	0.0053	0.0001	0.0008
LSD	--	--	108	31	53	--	16	3	19

For net value/acre, means within a column with the same letter are not significantly different.

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.10 level, NS - not significant.

Note: some columns may not add up due to rounding error.

Assumes:

\$3.35/cwt commercial ginning cost.

\$265/ton for seed.

Net gin credit is defined as seed value minus ginning expense.

Value for lint based on CCC loan value from commercial ginning and USDA-AMS classing results.



Table 2. Plant observation results from the dryland Enlist technology cotton variety trial, Eyster Farm, Custer City, OK, 2023.

Entry	Final population	Stand establishment	Vigor	Nodes above white flower			Plant height			Nodes above cracked boll	Storm resistance
				Early bloom	Mid bloom	Cutout	Prebloom	Mid bloom	Final		
	plants/acre 16-Jun	% 16-Jun	1-5 visual scale, 5 best 16-Jun		count			inches		count 22-Sep	1-9 visual scale, 9 tight 13-Nov
PHY332W3FE	27,007	84.4	2.7	7.3	2.6	0.7	14.1	22.9	25.5	1.9	6.8
PHY400W3FE	27,878	87.1	2.7	7.3	3.2	0.4	12.8	20.2	22.5	2.7	7.3
PHY411W3FE	27,298	85.3	1.8	8.5	3.8	1.3	12.8	20.8	21.9	2.5	7.3
PHY415W3FE	25,846	80.8	2.7	7.6	2.3	0.3	14.1	21.5	22.5	1.6	6.5
PX1124B236-04W3FE	24,974	78.1	1.7	7.7	3.7	0.7	13.1	20.1	22.1	2.1	6.0
PX1125B234-04W3FE	29,040	90.5	2.3	6.9	2.5	0.3	12.7	19.7	20.1	1.9	6.5
Test average	27,007	84.4	2.3	7.6	3.0	0.6	13.3	20.9	22.4	2.1	6.7
CV, %	13.8	13.7	19.5	4.6	15.7	52.0	6.6	6.0	5.5	18.6	2.3
OSL	0.8021	0.8093	0.058	0.0037	0.0119	0.0277	0.2117	0.0925	0.0076	0.0543	0.0001
LSD	NS	NS	0.7	0.5	0.7	0.5	NS	1.9	1.8	0.6	0.2

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.10 level, NS - not significant.



Table 3. Commercial classing data for the dryland Enlist technology cotton variety trial, Eyster Farm, Custer City, OK, 2023.

Variety and Bale Number	Color Grade-Quadrant grade-quadrant	Color digit 1	Color digit 2	Leaf grade	Staple 32nds inch	Micronaire units	Extraneous matter	Remarks --	Strength g/tex	Rd %	+b %	Trash % area	Uniformity %	Length 100ths inch	Loan rate cents/lb
PHY332W3FE															
2153843	22-2	2	2	3	35	3.5	.	.	29.6	75.9	9.9	4	78.5	110	52.70
2153844	22-2	2	2	2	33	3.7	.	.	29.2	76.3	10.0	2	77.4	104	49.30
2153845	32-1	3	2	2	35	3.7	.	.	30.4	75.9	9.7	2	79.6	110	51.85
2153846	22-1	2	2	3	34	3.8	.	.	28.7	76.2	10.2	3	77.0	106	51.50
2153847	22-2	2	2	3	34	3.9	.	.	29.4	76.4	9.9	3	78.9	107	52.05
2153848	22-2	2	2	2	35	3.7	.	.	31.2	76.4	10.1	1	78.5	109	53.55
Average	--	2.2	2.0	2.5	34.3	3.72	none	none	29.8	76.2	10.0	2.5	78.3	107.7	51.83
PHY400W3FE															
2153869	21-4	2	1	3	33	3.3	.	.	29.5	77.5	9.3	2	77.3	104	45.35
2153870	21-1	2	1	3	32	3.4	.	.	27.0	78.7	9.1	2	75.8	99	43.50
2153871	21-3	2	1	3	33	3.6	.	.	27.5	77.6	9.5	3	76.1	102	49.90
2153872	21-3	2	1	3	33	3.7	.	.	27.5	77.6	9.4	3	76.3	102	50.00
2153873	33-1	3	3	3	32	3.6	.	.	27.4	71.7	10.7	3	77.2	101	41.10
2153874	21-1	2	1	3	33	3.8	.	.	27.1	78.6	9.2	3	77.2	104	50.00
Average	--	2.2	1.3	3.0	32.7	3.57	none	none	27.7	77.0	9.5	2.7	76.7	102.0	46.64
PHY411W3FE															
2153864	21-2	2	1	2	33	3.8	.	.	29.6	79.0	8.6	2	78.6	103	50.80
2153865	21-2	2	1	3	32	3.9	.	.	27.8	79.4	8.7	2	77.4	101	48.20
2153866	21-2	2	1	3	33	3.9	.	.	28.5	79.2	8.8	3	78.6	102	50.50
2153867	31-1	3	1	3	33	4.0	.	.	28.1	78.7	8.3	2	79.2	102	50.20
2153868	21-1	2	1	2	33	3.8	.	.	29.3	78.8	8.9	2	77.1	103	50.30
Average	--	2.2	1.0	2.6	32.8	3.88	none	none	28.7	79.0	8.7	2.2	78.2	102.2	50.00



Table 3 (continued). Commercial classing data for the dryland Enlist technology cotton variety trial, Eyster Farm, Custer City, OK, 2023.

Variety and Bale Number	Color Grade-Quadrant grade-quadrant	Color digit 1	Color digit 2	Leaf grade	Staple 32nds inch	Micronaire units	Extraneous matter	Remarks --	Strength g/tex	Rd %	+b %	Trash % area	Uniformity %	Length 100ths inch	Loan rate cents/lb
PHY415W3FE															
2153858	31-3	3	1	3	34	3.8	.	.	30.8	75.8	9.4	3	78.5	106	52.60
2153859	32-1	3	2	3	34	3.7	.	.	29.8	75.8	9.6	3	76.5	106	49.90
2153860	31-3	3	1	3	35	3.7	.	.	32.2	76.4	9.2	3	77.2	108	53.80
2153861	31-3	3	1	3	34	3.6	.	.	29.6	75.0	9.3	3	75.1	105	51.85
2153862	32-1	3	2	3	35	3.8	.	.	30.4	75.7	9.6	3	79.0	108	51.60
2153863	31-3	3	1	3	35	3.9	.	.	32.5	76.1	9.4	3	79.7	110	54.40
Average	--	3.0	1.3	3.0	34.5	3.75	none	none	30.9	75.8	9.4	3.0	77.7	107.2	52.36
PX1124B236-04W3FE															
2153854	21-2	2	1	3	34	3.4	.	.	31.8	78.2	9.0	3	78.0	106	48.55
2153855	21-2	2	1	3	34	3.8	.	.	32.2	77.5	8.9	3	79.6	107	53.35
2153856	31-1	3	1	3	34	3.7	.	.	30.9	78.0	8.8	2	79.0	106	52.70
2153857	31-1	3	1	3	34	3.7	.	.	31.8	77.8	8.7	3	78.3	106	52.75
Average	--	2.5	1.0	3.0	34.0	3.65	none	none	31.7	77.9	8.9	2.8	78.7	106.3	51.84
PX1125B234-04W3FE															
2153849	31-1	3	1	3	34	4.0	.	.	30.5	78.3	8.8	3	78.1	106	52.60
2153850	31-1	3	1	3	34	4.1	.	.	29.4	77.9	8.7	4	77.1	106	51.95
2153851	21-2	2	1	3	36	3.8	.	.	31.0	78.6	8.6	3	79.4	111	56.60
2153852	31-1	3	1	2	34	4.1	.	.	30.2	78.3	8.6	2	78.7	107	52.65
2153853	31-1	3	1	3	33	4.2	.	.	28.8	78.3	8.7	3	76.7	103	49.60
Average	--	2.8	1.0	2.8	34.2	4.04	none	none	30.0	78.3	8.7	3.0	78.0	106.6	52.68



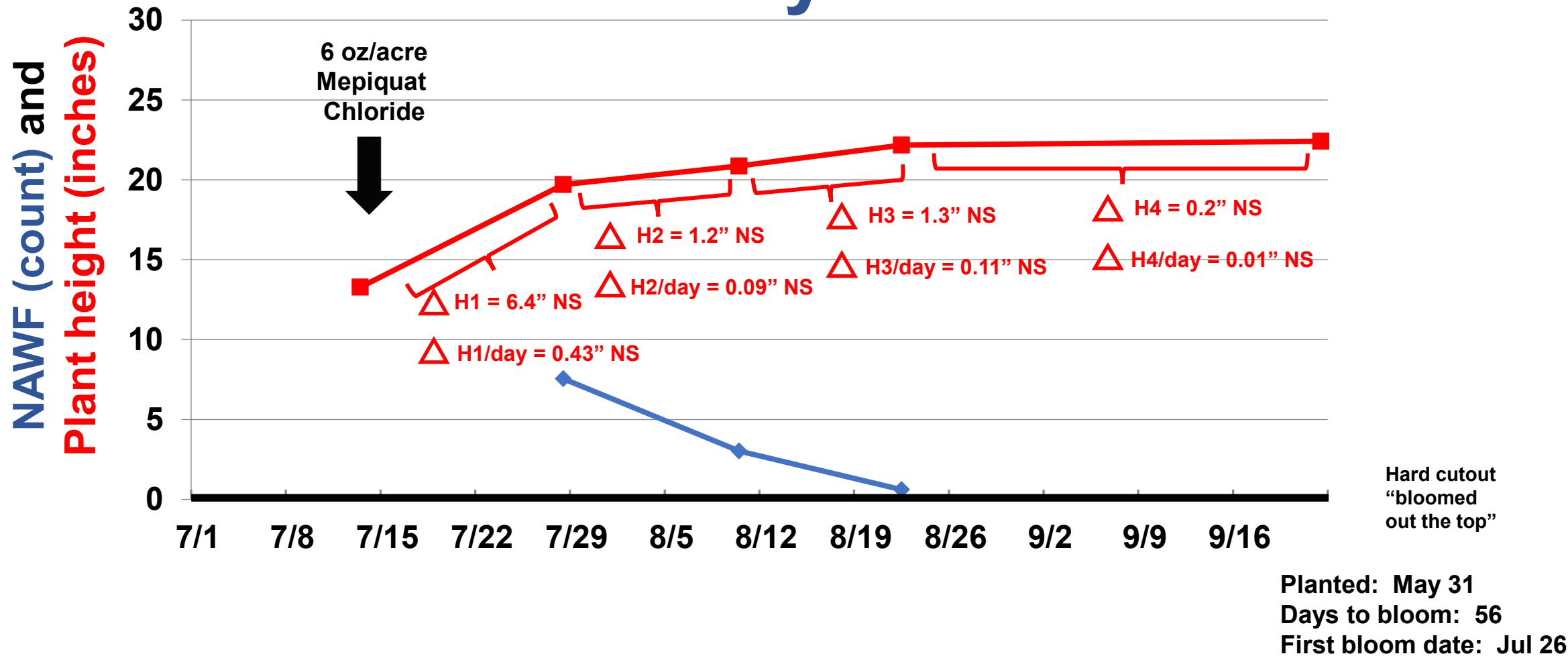
Appendix

**Eyster PhytoGen Variety Trial - Plant Height and NAWF
Graphs, and Weatherford Mesonet 2023 Weather Data**





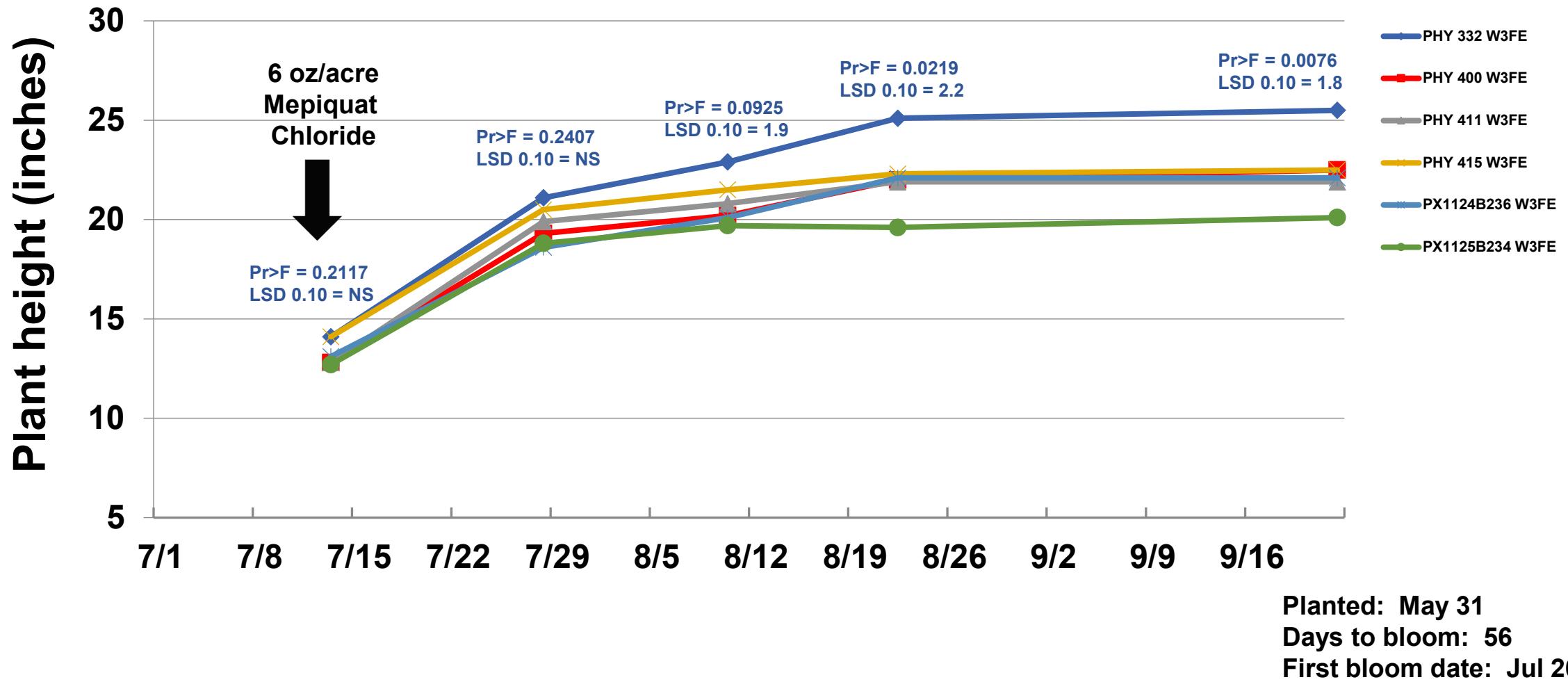
Eyster Enlist Variety Trial (Across All Entries) Custer City – 2023





Eyster Enlist Variety Trial

Custer City – 2023



MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29							May 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30				Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet									
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES					
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL			SOD	BARE	MAX	MIN		
1	71	43	57.7	33.6	8	0	75	22	44	0.00	28.09	29.95	SE	6.3	16.7	28.51	63.0	63.4	75	53
2	75	45	61.4	41.6	5	0	80	31	51	0.00	28.11	29.97	ENE	8.7	19.6	27.02	65.6	66.3	76	57
3	72	52	59.7	49.0	3	0	92	43	69	0.01	28.12	29.98	SE	9.5	24.0	18.66	66.0	65.9	73	60
4	70	56	62.3	59.2	2	0	99	75	90	0.31	27.98	29.83	SE	9.9	25.0	10.70	65.4	64.7	67	61
5	90	60	72.0	57.5	0	10	100	18	68	0.00	27.91	29.76	SSW	10.7	24.8	26.22	69.7	69.7	80	62
6	93	62	77.5	50.8	0	12	84	13	48	0.00	27.98	29.84	S	13.6	32.5	28.52	73.2	74.1	83	65
7	90	59	73.3	61.9	0	9	95	38	70	0.00	28.00	29.85	SSW	15.4	31.0	24.70	75.1	75.1	83	68
8	88	58	74.6	57.4	0	8	84	37	57	0.00	28.00	29.86	SE	9.4	19.8	28.37	76.6	76.9	86	68
9	90	67	76.4	65.2	0	14	99	33	72	0.00	28.04	29.90	SE	13.3	29.1	25.37	78.8	78.7	86	73
10	86	66	73.9	63.1	0	11	97	41	72	0.00	28.04	29.90	SE	11.2	23.2	26.34	79.0	78.7	86	72
11	84	62	69.9	61.7	0	8	99	30	80	0.02	27.92	29.77	SSE	12.5	31.3	16.14	76.0	74.8	79	71
12	90	65	76.5	59.8	0	13	98	20	63	0.00	27.99	29.84	SW	8.2	22.5	27.58	77.8	77.5	86	70
13	76	62	68.3	59.0	0	4	93	52	73	0.07	28.17	30.03	NE	9.1	33.4	13.91	76.2	75.6	80	72
14	75	63	67.7	64.4	0	4	98	70	90	0.36	28.26	30.13	ENE	6.4	15.5	9.86	72.4	71.4	74	70
15	71	62	65.5	61.2	0	2	99	72	87	0.66	28.33	30.20	N	11.3	23.0	12.80	70.6	69.1	72	67
16	77*	57*	65.4*	55.4*	0*	2*	95*	45*	72*	0.00*	28.20*	30.07*	N *	8.1*	20.9*	NA	71.0*	68.4*	75*	64*
17	79	55	67.1	57.3	0	2	97	47	74	0.00	28.09	29.95	ESE	6.8	15.3	24.21	72.4	70.0	80	62
18	77	61	67.4	61.9	0	4	98	57	84	0.91	28.09	29.95	SE	9.4	25.7	14.16	71.4	69.6	73	66
19	74	54	62.1	58.7	1	0	98	69	89	1.35	28.20	30.06	NNE	12.4	35.6	15.30	69.1	67.4	71	63
20	72	51	61.3	49.4	4	0	93	40	68	0.00	28.36	30.24	N	6.6	17.6	27.88	67.2	64.5	71	58
21	76	53	64.7	52.9	0	0	90	43	68	0.00	28.25	30.12	SE	7.3	17.0	23.05	68.5	65.8	73	60
22	75	56	64.4	56.8	0	1	95	54	78	0.04	28.15	30.01	SE	8.7	20.3	17.59	68.8	65.8	71	62
23	80	61	69.0	59.3	0	5	93	53	72	0.02	28.12	29.98	E	11.4	26.7	21.85	70.6	67.4	72	63
24	81	61	70.9	59.0	0	6	93	44	69	0.00	28.14	30.01	ESE	10.0	19.7	23.41	72.7	68.9	74	64
25	74	62	66.7	62.0	0	3	99	63	85	0.84	28.16	30.03	SE	9.4	20.2	12.76	71.1	68.0	71	65
26	78	63	69.9	61.1	0	5	94	52	75	0.00	28.21	30.08	E	9.0	20.8	18.57	70.9	68.8	73	65
27	80	63	70.4	58.3	0	6	94	42	67	0.00	28.19	30.06	SE	10.5	24.2	18.09	70.5	67.9	72	64
28	77	62	66.8	60.6	0	5	97	51	81	0.76	28.13	29.99	SE	12.2	32.7	11.91	68.9	66.2	69	64
29	82	62	70.5	63.6	0	7	97	53	80	0.00	28.07	29.93	SSE	7.4	17.8	19.36	70.7	69.4	76	64
30	86	63	73.9	63.7	0	10	97	44	73	0.00	28.06	29.92	SSE	8.8	21.0	25.75	73.2	72.2	78	66
31	87	62	74.4	61.7	0	9	95	41	67	0.00	28.05	29.91	SE	11.4	32.1	24.47	74.1	71.8	77	67
	80*	59*	68.4*	57.6*	<- Monthly Averages ->				28.11*	29.97*	SE *	9.8*	35.6*	20.77*	71.5*	70.1*	76*	65*		
Temperature - Highest: 93* Lowest: 43*					Degree Days - Total HDD: 23* Total CDD: 159*				Number of Days With: Tmax ≥ 90: 5* Rainfall ≥ 0.01 inch: 12* Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 7* Tmin ≤ 32: 0* Avg Wind Speed ≥ 10 mph: 13* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 7*											
Rainfall: Monthly Total: 5.35* in. Greatest 24 Hr: 1.35* in.					Humidity - Highest: 100* Lowest: 13*															

MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29								June 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30					Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet							
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND DIR	SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL				SOD	BARE	MAX	MIN	
1	84	65	70.6	63.6	0	9	96	48	80	0.33	28.06	29.92	SSE	9.8	31.6	14.36	73.7	70.9	75	68
2	85	60	71.2	64.1	0	8	99	49	80	2.53	28.06	29.92	SE	13.5	48.0	13.86	71.6	69.7	73	67
3	79	61	68.9	61.7	0	5	99	51	80	0.11	28.05	29.91	E	6.4	22.2	23.93	70.9	70.3	77	65
4	81	63	69.6	62.8	0	7	96	52	80	0.00	28.10	29.96	NNE	7.2	20.8	22.60	72.9	71.0	76	67
5	85	64	73.4	60.5	0	10	90	36	67	0.00	28.15	30.01	NNE	8.0	22.7	26.82	73.6	71.3	77	66
6	85	61	70.9	60.2	0	8	93	39	71	0.00	28.13	29.99	NNE	7.2	30.8	19.10	73.1	71.1	76	66
7	83	62	71.5	61.3	0	8	92	45	72	0.00	28.05	29.91	S	6.1	38.4	17.16	72.6	70.6	76	66
8	84	61	74.4	61.5	0	8	94	41	67	0.00	28.00	29.86	SE	5.1	20.2	29.18	73.7	72.6	80	65
9	90	67	79.6	62.9	0	14	84	34	59	0.00	27.99	29.85	SE	5.2	16.9	27.35	75.9	75.4	83	69
10	86	61	74.3	62.7	0	9	98	43	70	1.22	27.94	29.79	WNW	8.7	56.4	26.11	75.4	75.2	82	68
11	83	66	74.8	63.2	0	10	93	47	69	0.00	28.02	29.88	NE	10.8	25.6	29.44	76.1	75.2	80	70
12	67	60	63.1	59.8	2	0	96	73	89	0.68	28.10	29.97	ENE	9.5	34.4	7.89	72.1	68.7	73	67
13	77	61	68.7	61.7	0	4	96	61	79	0.01	28.02	29.88	SE	6.6	17.5	15.07	71.6	69.6	74	65
14	84	62	72.6	60.1	0	8	100	40	68	0.01	27.93	29.78	NW	7.1	18.7	29.02	73.2	72.2	79	66
15	88	62	74.2	62.8	0	10	97	44	70	0.72	27.91	29.77	SE	11.7	47.2	25.54	74.0	72.3	78	67
16	84	61	72.3	62.8	0	8	98	46	75	0.00	28.04	29.90	NE	7.6	19.2	29.53	74.1	72.8	80	67
17	86	62	74.5	64.4	0	9	96	50	73	0.21	28.03	29.89	SSE	11.0	49.9	27.08	75.3	74.0	80	69
18	84	58	71.4	60.7	0	6	97	46	71	0.03	27.96	29.81	WNW	7.2	20.4	29.89	74.7	73.9	82	66
19	90	66	79.2	67.6	0	13	86	50	69	0.00	27.95	29.81	SSE	13.0	26.8	27.73	76.1	75.1	81	69
20	94	74	83.0	75.1	0	19	97	56	79	0.00	27.96	29.81	SE	12.1	24.6	25.67	79.1	79.3	86	74
21	85	72	78.5	71.7	0	13	97	52	81	0.01	28.02	29.88	SE	12.2	33.4	12.02	79.0	78.1	80	75
22	88	66	74.6	67.2	0	12	99	48	80	1.38	28.09	29.95	ENE	9.4	51.7	18.49	76.7	76.0	83	72
23	83	64	73.7	66.4	0	9	99	49	80	0.86	28.08	29.94	SSE	12.0	48.7	15.03	74.2	73.2	76	71
24	94	69	81.4	70.6	0	16	98	48	72	0.00	28.01	29.86	SSW	9.2	24.9	28.62	76.5	77.0	84	71
25	88	72	80.0	67.7	0	15	96	48	68	0.00	28.06	29.92	NE	13.1	29.3	28.82	78.5	78.0	82	75
26	89	69	78.8	60.2	0	14	73	35	55	0.00	28.09	29.95	E	12.1	25.8	27.69	77.4	75.3	80	71
27	89	70	79.2	70.4	0	14	93	37	75	0.22	28.01	29.86	ESE	13.5	40.1	19.18	77.6	75.5	81	71
28	102	71	85.4	65.3	0	21	98	21	58	0.00	27.97	29.83	SSW	14.5	30.0	29.96	78.9	78.2	84	73
29	99	71	85.0	64.6	0	20	70	28	52	0.00	28.04	29.89	S	12.9	25.0	28.34	79.7	79.7	89	72
30	92	67	80.1	66.4	0	15	96	41	66	0.16	28.09	29.95	SSW	11.8	47.8	23.80	79.9	81.3	90	75
	86	65	75.2	64.3	<- Monthly Averages ->				28.03	29.89	SE	9.8	56.4	23.31	75.3	74.1	80	69		
Temperature - Highest: 102 Lowest: 58					Degree Days - Total HDD: 2 Total CDD: 320					Number of Days With: Tmax ≥ 90: 7 Rainfall ≥ 0.01 inch: 15 Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 11 Tmin ≤ 32: 0 Avg Wind Speed ≥ 10 mph: 14 Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 14										
Rainfall: Monthly Total: 8.48 in. Greatest 24 Hr: 2.53 in.					Humidity - Highest: 100 Lowest: 21															

MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29								July 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30					Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet							
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND DIR	SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL				SOD	BARE	MAX	MIN	
1	86	64	75.1	65.0	0	10	96	46	73	0.00	28.12	29.98	WSW	6.6	20.6	24.71	79.2	78.9	85	73
2	91	67	78.4	64.7	0	14	93	39	66	0.00	28.10	29.96	NE	6.3	14.9	29.26	79.4	81.5	93	73
3	94	69	78.1	66.4	0	17	90	32	70	0.00	28.08	29.94	SE	9.0	30.1	22.10	79.9	82.5	91	77
4	95	68	81.7	67.2	0	17	92	33	65	0.00	28.09	29.95	S	11.8	24.2	28.85	80.0	84.3	95	75
5	89	70	78.8	66.4	0	14	83	47	67	0.00	28.15	30.02	ENE	15.6	35.5	23.55	80.8	84.7	92	79
6	83	65	73.9	67.3	0	9	99	61	81	0.97	28.18	30.04	ENE	10.8	33.0	20.31	79.1	79.1	83	74
7	86	65	74.6	68.2	0	11	99	60	82	1.73	28.08	29.94	E	14.4	46.4	22.22	77.9	76.8	81	72
8	85	65	75.0	67.8	0	10	97	59	79	0.00	28.08	29.94	E	6.7	16.3	24.62	78.0	77.6	84	72
9	81	63	70.9	65.6	0	7	99	61	84	1.58	28.12	29.98	N	9.6	58.7	21.68	77.3	77.1	83	72
10	88	65	76.9	69.2	0	11	94	61	78	0.12	28.11	29.98	SSE	7.3	27.0	24.34	77.4	77.9	84	72
11	91	65	79.3	71.2	0	13	100	55	78	2.39	28.06	29.92	SE	12.5	55.4	26.63	78.2	79.0	85	73
12	94	74	83.3	75.2	0	19	99	57	78	0.00	27.97	29.82	SE	12.9	27.9	18.27	79.6	80.1	84	77
13	91	73	83.1	73.4	0	17	95	54	74	0.00	27.96	29.82	E	9.5	32.7	20.26	80.6	80.8	85	76
14	91	74	81.9	70.6	0	18	94	49	70	0.01	28.01	29.87	S	10.4	47.4	23.89	81.4	81.0	86	77
15	87	69	76.6	69.1	0	13	99	46	80	0.78	28.16	30.03	NE	10.2	24.0	21.37	80.8	79.4	85	75
16	91	70	80.2	70.5	0	16	96	47	74	0.00	28.16	30.03	SE	7.6	20.4	27.83	80.5	80.7	88	75
17	96	71	82.9	72.9	0	18	95	47	74	0.00	28.11	29.97	SSE	9.2	22.7	26.25	81.9	81.6	88	76
18	99	74	86.3	65.1	0	21	87	28	53	0.00	28.04	29.89	SSW	14.3	32.4	28.62	82.6	80.8	85	76
19	99	74	85.7	64.0	0	22	82	33	50	0.00	28.09	29.96	SSW	12.0	26.6	25.80	82.2	80.4	89	74
20	91	74	82.1	70.4	0	17	87	47	68	0.00	28.17	30.03	E	8.9	25.1	18.42	82.4	81.8	87	77
21	83	68	75.4	67.1	0	11	90	58	76	0.00	28.21	30.08	NNE	10.9	52.8	22.77	81.9	82.2	90	76
22	87	64	76.1	63.3	0	11	94	40	68	0.00	28.21	30.08	NNE	4.6	13.2	28.21	81.1	82.9	93	74
23	94	63	79.7	64.5	0	14	93	38	62	0.00	28.19	30.05	SSW	10.8	22.9	28.00	81.1	83.9	94	75
24	100	69	85.1	61.6	0	19	74	23	48	0.00	28.19	30.05	SW	12.3	24.7	26.87	81.7	85.7	95	77
25	100	73	86.3	58.2	0	21	65	22	40	0.00	28.15	30.02	SSW	14.0	31.6	26.29	82.2	86.5	94	79
26	98	72	85.4	59.6	0	20	61	25	44	0.00	28.13	30.00	S	13.2	27.1	25.11	82.3	86.3	93	79
27	100	73	85.7	61.7	0	22	63	25	47	0.00	28.13	29.99	SSE	12.1	26.3	24.89	82.5	86.6	94	80
28	101	76	87.0	62.0	0	24	62	26	45	0.00	28.16	30.03	S	12.0	22.2	22.83	83.1	87.3	94	81
29	101	74	87.2	60.1	0	22	59	25	42	0.00	28.22	30.09	SE	10.4	20.3	23.90	83.6	88.1	95	81
30	101	73	87.2	61.4	0	22	67	25	45	0.00	28.21	30.08	SE	10.3	25.6	27.36	84.1	88.9	97	81
31	103	73	87.4	60.9	0	23	66	20	44	0.00	28.17	30.04	SE	11.4	25.7	26.50	84.9	89.0	97	82
	93	70	80.9	66.1	<- Monthly Averages ->					28.12	29.99	SE	10.6	58.7	24.57	80.9	82.4	89	76	
Temperature - Highest: 103 Lowest: 63					Degree Days - Total HDD: 0 Total CDD: 502					Number of Days With: Tmax ≥ 90: 21 Rainfall ≥ 0.01 inch: 7 Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 6 Tmin ≤ 32: 0 Avg Wind Speed ≥ 10 mph: 20 Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 11										
Rainfall: Monthly Total: 7.58 in. Greatest 24 Hr: 2.39 in.					Humidity - Highest: 100 Lowest: 20															

MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29							August 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30					Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet								
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND DIR	SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL				SOD	BARE	MAX	MIN	
1	104	76	89.6	61.8	0	25	68	20	43	0.00	28.16	30.03	SSE	12.9	25.9	27.33	85.9	89.9	98	83
2	105*	77*	90.7*	59.2*	0*	26*	61*	19*	38*	0.00*	28.11*	29.97*	S *	13.8*	29.8*	NA	86.6*	90.4*	97*	84*
3	105	76	90.7	57.4	0	26	49	20	34	0.00	28.07	29.93	S	13.5	28.7	27.31	86.8	90.5	98	84
4	105	78	89.8	61.8	0	26	58	25	41	0.00	28.04	29.90	S	10.5	21.0	23.19	87.3	90.5	97	84
5	96	74	83.9	63.5	0	20	79	34	52	0.00	28.09	29.95	SE	15.4	41.1	20.04	87.0	88.5	92	85
6	91	68	79.4	67.4	0	15	94	49	69	0.06	28.15	30.02	NE	11.2	42.7	25.01	85.9	87.2	94	81
7	90	67	77.2	60.7	0	13	83	36	59	0.00	28.17	30.04	NE	11.3	34.9	21.83	85.6	86.5	93	81
8	94	66	80.6	66.1	0	15	92	40	64	0.00	28.08	29.94	S	16.2	46.3	25.14	85.0	86.0	92	80
9	93	70	80.2	67.8	0	16	94	45	68	0.17	27.94	29.79	NNE	11.4	49.2	22.96	84.8	85.4	92	79
10	97	67	81.3	64.5	0	17	93	30	61	0.00	28.00	29.86	E	7.5	24.3	25.07	84.0	85.6	94	77
11	107	74	87.0	67.1	0	26	88	22	58	0.57	27.96	29.81	SE	13.4	56.6	24.82	85.1	88.0	97	82
12	93	71	81.7	67.8	0	17	94	44	64	0.13	28.04	29.90	S	11.5	41.5	16.34	83.3	81.7	86	78
13	96	69	81.2	69.6	0	18	98	43	70	0.73	28.07	29.93	WSW	9.9	56.6	21.79	82.1	82.0	91	76
14	83	66	73.5	60.0	0	10	93	37	66	0.00	28.29	30.16	NNE	11.4	36.0	21.06	80.5	77.3	81	74
15	87	63	75.1	57.1	0	10	77	33	56	0.00	28.31	30.18	E	5.9	18.6	26.86	79.1	77.2	87	69
16	95	64	79.2	58.6	0	15	81	28	53	0.00	28.14	30.01	S	13.1	25.9	26.32	79.9	80.1	90	72
17	96	70	82.3	60.8	0	18	76	32	50	0.00	28.05	29.91	NE	12.5	24.6	26.35	81.2	83.7	93	75
18	99	68	83.2	66.7	0	19	91	33	61	0.00	28.08	29.94	ENE	10.6	21.1	24.80	83.1	85.3	94	77
19	105	76	89.6	57.5	0	26	72	16	37	0.00	28.10	29.97	SSW	10.2	18.2	25.30	84.5	87.5	96	80
20	105	77	90.6	59.9	0	26	54	21	38	0.00	28.23	30.10	SE	9.1	21.6	25.48	85.6	89.1	97	82
21	105	80	90.8	65.5	0	27	68	22	46	0.00	28.27	30.14	SE	8.8	20.7	24.81	87.0	90.6	98	84
22	102	77	89.5	67.8	0	24	80	31	51	0.00	28.23	30.10	E	7.8	18.1	24.12	87.9	90.9	98	84
23	101	78	88.9	65.9	0	24	74	30	49	0.00	28.20	30.07	SE	9.5	26.4	24.50	88.3	91.2	98	85
24	100	75	88.2	61.3	0	23	63	25	43	0.00	28.16	30.02	S	9.4	23.0	23.20	87.8	90.1	96	84
25	104	79	90.4	61.9	0	27	63	21	41	0.00	28.13	29.99	SE	10.0	20.7	21.93	87.8	90.3	97	84
26	95	72	84.4	65.9	0	18	71	39	55	0.00	28.14	30.01	NNE	12.4	25.3	23.78	87.7	89.2	95	84
27	89	71	78.9	64.0	0	15	84	41	62	0.00	28.15	30.02	NNE	11.5	21.8	22.86	87.3	87.5	93	83
28	91	63	76.5	56.6	0	12	87	25	54	0.00	28.16	30.03	NE	8.1	20.4	24.41	85.8	85.4	92	79
29	93	62	77.8	55.0	0	13	74	28	48	0.00	28.18	30.05	NNE	6.9	24.9	21.84	84.5	83.9	91	78
30	92	67	78.7	56.6	0	14	68	30	48	0.00	28.13	30.00	NNE	8.8	20.7	23.51	84.4	84.5	91	79
31	95	66	80.7	56.3	0	15	75	27	46	0.00	28.10	29.96	SE	9.0	20.2	24.18	84.4	84.7	92	78
	97*	71*	83.6*	62.3*	<- Monthly Averages ->					28.13*	29.99*	SE *	10.8*	56.6*	23.87*	85.0*	86.5*	94*	80*	
Temperature - Highest: 107* Lowest: 62*					Degree Days - Total HDD: 0* Total CDD: 595*					Number of Days With: Tmax ≥ 90: 28* Rainfall ≥ 0.01 inch: 5* Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 4* Tmin ≤ 32: 0* Avg Wind Speed ≥ 10 mph: 19* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 9*										
Rainfall: Monthly Total: 1.66* in. Greatest 24 Hr: 0.73* in.					Humidity - Highest: 98* Lowest: 16*															

MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29								September 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30						Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet						
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND DIR	SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL				SOD	BARE	MAX	MIN	
1	98	68	82.1	57.1	0	18	74	21	46	0.00	28.16	30.02	SE	12.7	23.2	24.20	84.7	85.4	92	79
2	97	67	81.8	53.1	0	17	64	19	40	0.00	28.18	30.05	SE	11.1	22.2	24.74	84.7	85.3	92	79
3	100	67	83.2	53.8	0	19	69	16	40	0.00	28.06	29.92	SE	11.2	24.5	22.95	84.6	85.1	92	79
4	102	70	86.0	55.4	0	21	64	16	39	0.00	27.90	29.76	SSE	17.3	34.6	22.44	84.8	85.4	91	80
5	99	73	86.6	56.1	0	21	63	22	37	0.00	27.99	29.85	S	13.6	34.1	23.50	85.7	87.1	94	82
6	91	66	77.2	51.5	0	14	62	26	42	0.00	28.18	30.04	NE	12.6	28.2	21.40	85.3	84.9	90	80
7	103	67	85.7	54.9	0	20	60	22	38	0.00	28.06	29.93	S	11.2	25.6	22.32	84.8	85.2	92	79
8	98	74	85.8	60.0	0	21	71	29	43	0.00	28.07	29.94	ENE	12.9	29.8	22.97	86.1	87.1	93	82
9	93	66	79.5	59.9	0	15	85	31	54	0.00	28.23	30.10	ENE	11.8	23.4	22.82	86.1	85.6	91	80
10	91	64	78.5	53.9	0	12	69	30	44	0.00	28.22	30.09	SE	11.9	24.6	16.81	84.6	83.2	88	79
11	76	63	66.6	63.2	0	4	98	43	90	0.55	28.21	30.08	NE	9.2	26.0	5.81	81.8	77.3	84	72
12	73	59	65.1	60.7	0	1	99	60	87	0.02	28.26	30.14	NNE	9.4	23.0	9.90	76.8	71.5	74	69
13	76	57	66.6	60.4	0	2	97	57	82	0.09	28.20	30.06	E	6.1	14.3	10.51	74.3	70.0	75	66
14	70	65	67.0	64.9	0	3	99	85	93	0.01	28.17	30.03	ESE	9.4	19.9	5.56	74.0	70.9	72	70
15	72	63	66.7	63.9	0	2	99	83	91	0.11	28.20	30.07	SE	7.1	15.5	6.02	72.8	70.1	73	68
16	80	60	68.3	61.6	0	5	99	48	81	0.00	28.25	30.12	NE	7.4	15.1	16.81	73.0	72.1	79	68
17	88	57	71.9	53.7	0	7	100	22	61	0.01	28.23	30.10	WNW	5.9	15.9	22.77	73.3	74.0	84	65
18	91	61	76.6	53.6	0	11	70	30	47	0.00	28.11	29.97	S	12.3	28.3	21.79	74.4	76.5	84	69
19	92	68	77.2	60.0	0	15	84	36	57	0.00	27.96	29.81	SSE	15.6	33.2	19.66	76.1	78.9	85	74
20	87	66	75.7	64.8	0	12	96	41	71	0.24	27.99	29.85	SE	11.4	48.2	21.23	76.8	78.0	85	72
21	89	67	74.8	63.2	0	13	94	35	71	0.00	28.08	29.94	SSE	13.7	31.1	12.41	76.4	76.6	81	73
22	96	67	79.6	66.3	0	16	90	35	68	0.00	28.02	29.87	SSE	15.7	32.1	19.54	76.1	78.7	87	72
23	97	70	81.0	64.6	0	18	94	25	62	0.00	27.95	29.81	SSE	12.1	27.0	20.55	78.5	81.7	89	75
24	86	67	75.1	62.5	0	12	92	50	66	0.00	28.06	29.92	NE	15.1	28.8	17.18	78.9	80.4	85	76
25	90	60	74.9	54.4	0	10	98	24	56	0.00	28.24	30.11	NE	6.4	16.2	21.30	77.8	78.8	86	72
26	91	60	76.3	48.6	0	11	78	17	42	0.00	28.22	30.09	SW	8.3	19.2	21.30	77.2	78.4	86	72
27	94	64	77.7	53.6	0	14	66	24	45	0.00	28.12	29.99	S	9.8	18.6	18.69	77.2	78.7	85	73
28	94	67	79.2	55.3	0	15	66	24	46	0.00	28.08	29.94	SSE	12.8	28.7	20.36	77.7	79.5	86	74
29	95	67	80.1	58.8	0	16	79	27	51	0.00	28.07	29.93	SSE	16.6	37.7	19.36	78.0	79.8	85	75
30	94	67	79.3	60.1	0	15	80	30	54	0.00	28.17	30.03	SSE	15.2	35.7	18.93	78.3	80.0	85	75
	90	65	76.9	58.3	<- Monthly Averages ->				28.12	29.99	SSE	11.5	48.2	18.46	79.3	79.5	85	74		
Temperature - Highest: 103 Lowest: 57					Degree Days - Total HDD: 0 Total CDD: 380					Number of Days With: Tmax ≥ 90: 20 Rainfall ≥ 0.01 inch: 7 Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 3 Tmin ≤ 32: 0 Avg Wind Speed ≥ 10 mph: 20 Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 8										
Rainfall: Monthly Total: 1.03 in. Greatest 24 Hr: 0.55 in.					Humidity - Highest: 100 Lowest: 16															

MESONET CLIMATOLOGICAL DATA SUMMARY (WEAT) Weatherford Latitude: 35-30-29								October 2023 Nearest City: 4.0 WSW Weatherford Longitude: 98-46-30						Time Zone: Midnight-Midnight CST County: Custer Elevation: 1765 feet						
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND DIR	SPEED (mph)	SOLAR (MJ/m2)	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPt	HDD	CDD	MAX	MIN	AVG		STN	MSL				SOD	BARE	MAX	MIN	
1	90	65	76.6	55.0	0	12	79	27	50	0.00	28.24	30.11	SE	12.8	28.0	17.68	78.2	79.2	84	75
2	88	65	76.0	55.3	0	12	72	34	50	0.00	28.19	30.06	SE	12.8	25.4	15.43	77.4	78.0	83	74
3	87	69	76.3	58.7	0	13	67	41	55	0.00	28.06	29.92	SSE	15.4	34.3	12.03	76.9	77.4	81	75
4	81	63	70.1	62.3	0	7	99	59	78	0.59	28.06	29.92	NE	8.9	41.3	7.79	76.2	75.1	79	71
5	80	59	67.8	53.4	0	5	94	29	64	0.00	28.23	30.10	NNE	10.1	22.8	19.77	73.0	70.3	75	66
6	77	52	60.7	41.5	0	0	82	29	51	0.00	28.39	30.27	NNE	12.3	35.4	17.84	70.4	67.4	74	62
7	66	43	55.1	31.5	11	0	76	21	44	0.00	28.45	30.33	N	6.1	14.0	18.82	67.2	65.4	73	59
8	81	45	63.3	40.4	2	0	68	27	45	0.00	28.18	30.04	SW	10.4	26.0	19.27	66.0	66.1	75	58
9	84	54	68.1	48.4	0	4	78	29	52	0.00	28.01	29.87	ENE	7.9	18.9	18.99	67.8	69.5	77	63
10	89	53	70.1	50.3	0	6	89	21	56	0.00	27.92	29.77	S	11.4	29.4	18.78	69.2	71.1	78	64
11	84	60	69.9	60.4	0	7	95	46	74	0.00	27.74	29.58	SSE	19.3	40.4	17.44	70.3	72.4	78	67
12	88	62	72.0	61.1	0	10	91	34	72	0.00	27.68	29.52	SSE	19.3	34.3	13.37	71.0	73.1	78	69
13	69	50	59.9	38.8	6	0	94	30	47	0.00	28.07	29.93	NNW	18.8	39.9	18.51	69.9	69.6	74	66
14	63	40	51.5	35.4	14	0	79	36	55	0.00	28.34	30.22	NNW	12.9	28.3	15.61	65.5	63.0	67	59
15	63	37	50.9	37.4	15	0	92	38	62	0.00	28.44	30.32	N	12.2	29.9	17.47	63.1	61.2	67	56
16	66	37	50.4	33.3	14	0	80	28	55	0.00	28.41	30.29	N	8.3	21.1	18.50	61.9	60.3	67	54
17	79	42	59.7	37.2	5	0	71	25	46	0.00	28.17	30.04	SSW	12.3	27.3	17.59	61.9	61.9	69	55
18	78	52	63.5	40.5	0	0	61	27	44	0.00	28.06	29.92	S	11.4	23.0	17.23	64.0	65.5	72	60
19	86	44	66.2	36.4	0	0	81	15	40	0.00	28.14	30.01	WNW	7.0	20.5	17.45	64.6	65.6	73	59
20	89	51	70.0	37.8	0	5	60	15	34	0.00	28.08	29.94	S	6.5	16.2	17.61	65.6	67.7	75	61
21	93	59	73.5	39.5	0	11	46	15	31	0.00	28.02	29.88	SW	9.1	18.1	13.30	67.4	69.6	75	65
22	86	62	72.5	48.3	0	9	65	21	44	0.00	28.02	29.87	SSE	13.9	32.8	13.96	68.5	70.5	75	66
23	82	63	71.1	61.8	0	8	94	48	74	0.00	28.01	29.87	SSE	17.2	34.2	13.52	69.2	71.0	75	67
24	76	63	68.2	65.6	0	4	99	73	92	1.24	28.00	29.85	S	14.7	33.4	5.80	69.6	69.7	72	68
25	71	64	67.3	65.4	0	2	98	84	94	0.65	28.05	29.91	S	12.8	31.1	3.47	69.3	68.9	70	67
26	81	63	69.0	58.8	0	7	98	40	73	0.00	27.99	29.85	S	15.8	31.7	16.06	67.9	67.3	70	65
27	69	44	51.9	44.3	9	0	98	56	76	0.00	28.25	30.12	NNE	15.5	30.2	15.06	65.6	61.8	65	56
28	46	34	40.9	36.7	25	0	96	72	85	0.08	28.27	30.14	NNE	14.6	29.7	3.15	60.4	53.4	56	49
29	36	31	33.4	30.1	32	0	98	70	88	0.75	28.40	30.27	N	* NA	38.3*	2.07	52.9	45.0	49	43
30	45	29	35.7	22.5	28	0	76	37	60	0.00	28.52	30.41	N	10.2	25.3	16.52	48.8	44.0	49	40
31	47	26	35.1	23.2	28	0	87	37	64	0.00	28.54	30.42	NNE	11.7	29.8	16.24	47.8	43.6	48	40
	75	51	61.8	45.5	<- Monthly Averages ->				28.16	30.02	S	* 12.4*	41.3*	14.72	66.7	66.0	71	61		
Temperature - Highest: 93 Lowest: 26					Degree Days - Total HDD: 187 Total CDD: 122					Number of Days With: Tmax ≥ 90: 2 Rainfall ≥ 0.01 inch: 5 Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 4 Tmin ≤ 32: 3 Avg Wind Speed ≥ 10 mph: 23* Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 13*										
Rainfall: Monthly Total: 3.31 in. Greatest 24 Hr: 1.24 in.					Humidity - Highest: 99 Lowest: 15															