

Detailed Growing Season Climate Data at AG-CARES, Lamesa, TX 2002

	Date	Max	Min	Max	Min	Rain	Avg. Wind		Heat Units		
		Temp	Temp	RH	RH		Speed	PET	Cotton	Sorghum	Peanuts
		(°F)	(°F)	(%)	(%)	(in.)	(mph)	(in.)			
May	1	94.5	61.0	79.5	9.1		9.5	0.379	17.8	27.8	22.8
	2	68.6	48.6	85.2	21.6		10.1	0.163	0	9.3	6.8
	3	80.2	42.8	93.4	9.0		5.5	0.233	1.5	15.1	12.6
	4	90.3	50.5	96.6	10.3	0.01	7.3	0.285	10.4	20.4	17.7
	5	87.4	63.2	98.1	43.3		12.7	0.245	15.3	25.3	20.3
	6	95.7	62.4	84.2	10.9		10.2	0.35	19	29	23.7
	7	96.8	65.5	82.6	5.5		9.5	0.389	21.2	31.2	25.2
	8	93.4	60.3	77.7	4.6		12.0	0.439	16.8	26.8	21.8
	9	74.1	56.0	66.9	14.9		13.0	0.306	5	15	10
	10	88.2	56.8	81.5	34.0	0.02	14.9	0.295	12.5	22.5	17.5
	11	92.3	68.9	84.6	21.1		15.7	0.343	20.6	30.6	25.6
	12	79.7	56.6	78.4	24.0		12.4	0.252	8.2	18.2	13.2
	13	72.4	46.3	70.6	19.4		9.0	0.251	0	11.2	8.7
	14	78.3	51.3	62.7	21.1		10.8	0.284	4.8	14.8	11.7
	15	89.9	54.1	70.0	24.2		12.0	0.338	12	22	17.5
	16	97.4	63.5	77.6	8.3		9.8	0.387	20.5	30.5	24.2
	17	75.3	54.7	82.0	26.2		16.1	0.252	5	15	10.2
	18	75.2	47.3	88.0	26.1		8.6	0.243	1.2	12.6	10.1
	19	81.4	50.0	74.5	21.8		11.5	0.309	5.7	15.7	13.2
	20	80.4	51.3	58.7	26.7		11.4	0.29	5.8	15.8	12.7
	21	79.0	53.1	72.3	40.3		16.5	0.276	6	16	12
	22	89.3	62.2	82.8	24.5		18.4	0.383	15.8	25.8	20.8
	23	92.5	65.1	76.8	6.1		14.4	0.404	18.8	28.8	23.8
	24	95.2	61.2	80.8	8.1		9.2	0.385	18.2	28.2	23.1
	25	74.9	53.9	89.9	54.5		10.2	0.161	4.4	14.4	10
	26	90.8	55.3	91.4	23.5	0.10	10.5	0.293	13	23	18
	27	82.4	60.3	95.4	49.3	0.01	10.3	0.196	11.3	21.3	16.3
	28	82.1	56.8	100.4	44.6	0.01	6.3	0.178	9.4	19.4	14.4
	29	89.3	57.7	96.9	16.9	0.01	5.8	0.241	13.5	23.5	18.5
	30	94.9	62.1	91.6	19.6		8.2	0.326	18.5	28.5	23.5
	31	92.7	62.9	87.5	18.9		5.6	0.298	17.8	27.8	22.8
June	1	92.1	60.5	83.5	23.0		8.2	0.323	16.3	26.3	21.3
	2	95.2	63.2	73.9	16.7		11.4	0.393	19.2	29.2	24.1
	3	96.3	64.5	72.7	22.8		9.8	0.352	20.4	30.4	24.8
	4	91.7	63.8	85.1	29.2		14.1	0.285	17.8	27.8	22.8
	5	75.9	59.5	98.2	56.0		9.4	0.138	7.7	17.7	12.7
	6	84.5	57.9	100.5	27.2		3.9	0.214	11.2	21.2	16.2
	7	91.9	65.6	93.6	22.4	0.22	7.9	0.29	18.8	28.8	23.8
	8	91.4	64.2	95.1	34.5	0.01	11.9	0.272	17.8	27.8	22.8
	9	95.9	65.7	93.3	30.8	0.08	12.9	0.339	20.8	30.8	25.3
	10	97.7	68.2	88.4	27.6		12.4	0.369	23	33	26.6
	11	95.2	70.9	83.1	32.2	0.02	11.0	0.33	23.1	33.1	28
	12	97.4	71.9	78.3	26.1		10.6	0.338	24.7	34.7	28.5
	13	97.9	69.8	90.4	28.9	0.16	10.4	0.321	23.8	33.8	27.4
	14	82.6	67.0	93.7	44.9		8.7	0.203	14.8	24.8	19.8
	15	95.5	63.7	89.8	24.3		13.6	0.356	19.6	29.6	24.3

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	Temp	Temp	RH	RH		Speed	PET	Cotton	Sorghum	Peanuts	
	(°F)	(°F)	(%)	(%)	(in.)	(mph)	(in.)				
16	82.7	60.6	93.1	39.3		9.9	0.24	11.7	21.7	16.7	
17	91.5	61.5	93.4	30.0		9.7	0.297	16.5	26.5	21.5	
18	97.3	68.5	77.1	25.6		14.4	0.406	22.9	32.9	26.8	
19	99.4	69.9	69.6	18.4		15.5	0.447	24.7	34.7	27.5	
20	93.5	69.8	74.1	26.8		12.8	0.357	21.7	31.7	26.7	
21	93.3	71.0	77.3	24.8		10.5	0.345	22.2	32.2	27.2	
22	92.9	67.7	73.8	26.6		9.8	0.336	20.3	30.3	25.3	
23	94.9	67.2	73.4	22.6		8.2	0.344	21.1	31.1	26.1	
24	96.8	66.2	57.1	20.0		6.7	0.319	21.5	31.5	25.6	
25	96.4	66.8	59.7	17.6		7.0	0.338	21.6	31.6	25.9	
26	95.7	67.8	69.4	21.7		5.7	0.288	21.8	31.8	26.4	
27	87.0	64.1	96.3	36.1	0.54	6.8	0.239	15.5	25.5	20.5	
28	91.0	67.6	95.6	32.6		4.4	0.264	19.3	29.3	24.3	
29	90.6	67.8	87.5	32.5		7.4	0.283	19.2	29.2	24.2	
30	87.7	67.0	93.6	40.5		7.4	0.267	17.3	27.3	22.3	
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July	1	88.1	67.4	91.5	37.8		10.3	0.253	17.8	27.8	22.8
	2	87.0	66.7	92.1	44.0		7.8	0.231	16.8	26.8	21.8
	3	86.8	68.5	98.7	40.2	0.02	7.7	0.209	17.7	27.7	22.7
	4	86.9	65.8	98.5	46.7	0.27	7.1	0.209	16.3	26.3	21.3
	5	84.9	64.0	99.4	54.7	0.75	7.3	0.202	14.5	24.5	19.5
	6	80.2	63.8	99.2	65.2	0.45	6.0	0.133	12	22	17
	7	81.6	65.2	99.8	55.4	0.04	5.1	0.127	13.4	23.4	18.4
	8	86.5	67.0	99.1	44.0	0.02	5.3	0.215	16.8	26.8	21.8
	9	90.2	67.6	93.8	32.5		4.0	0.233	18.9	28.9	23.9
	10	90.5	69.6	86.3	28.8		4.6	0.312	20	30	25
	11	91.4	68.8	85.9	25.3		4.9	0.262	20.1	30.1	25.1
	12	92.6	69.1	93.9	28.0	0.05	4.6	0.242	20.8	30.8	25.8
	13	94.0	66.7	90.2	24.3		5.3	0.279	20.3	30.3	25.3
	14	90.9	66.4	94.8	27.8		6.0	0.27	18.7	28.7	23.7
	15	89.2	65.1	87.0	29.2		5.8	0.266	17.2	27.2	22.2
	16	88.4	64.1	91.9	27.9		4.7	0.246	16.2	26.2	21.2
	17	90.4	66.3	94.5	31.8		6.7	0.248	18.3	28.3	23.3
	18	91.6	69.3	92.0	33.5		6.5	0.251	20.4	30.4	25.4
	19	92.8	72.8	86.7	32.5		7.6	0.349	22.8	32.8	27.8
	20	92.6	68.2	88.6	26.6		8.6	0.309	20.4	30.4	25.4
	21	92.7	67.6	85.7	27.8		8.6	0.307	20.2	30.2	25.2
	22	93.0	67.6	86.1	26.3		7.0	0.285	20.3	30.3	25.3
	23	92.4	68.9	83.3	26.1		5.2	0.263	20.7	30.7	25.7
	24	94.4	68.9	77.8	22.7		5.6	0.294	21.7	31.7	26.7
	25	98.4	70.5	63.6	16.9		6.5	0.337	24.5	34.5	27.8
	26	98.1	73.1	68.6	20.4		8.1	0.356	25.6	35.6	29
	27	98.2	72.8	73.7	25.8		9.3	0.354	25.5	35.5	28.9
	28	99.6	73.6	77.9	21.3		10.1	0.369	26.6	36.6	29.3
	29	80.4	67.3	95.7	61.8		9.6	0.172	13.8	23.8	18.8
	30	90.0	63.2	99.7	33.8		5.4	0.241	16.6	26.6	21.6
	31	94.0	65.7	91.6	30.1		6.4	0.271	19.8	29.8	24.8

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	Date	Max	Min	Max	Min	Rain	Avg. Wind		Heat Units		
		Temp (°F)	Temp (°F)	RH (%)	RH (%)		Speed (mph)	PET (in.)	Cotton	Sorghum	Peanuts
August	1	96.6	67.4	91.4	27.2	0.01	8.2	0.305	22	32	26.2
	2	89.9	69.3	94.7	36.3	0.05	4.1	0.188	19.6	29.6	24.6
	3	94.3	67.3	85.4	24.2		5.6	0.279	20.8	30.8	25.8
	4	93.8	65.4	79.3	24.8		5.1	0.265	19.6	29.6	24.6
	5	92.2	67.3	80.4	25.9		5.1	0.257	19.8	29.8	24.8
	6	87.7	64.9	80.6	35.7		3.8	0.202	16.3	26.3	21.3
	7	92.0	66.4	85.3	28.8		3.4	0.212	19.2	29.2	24.2
	8	94.3	69.2	82.2	25.6		3.5	0.244	21.8	31.8	26.8
	9	93.4	67.8	88.5	27.4		4.7	0.248	20.6	30.6	25.6
	10	90.4	67.5	87.0	37.7		6.3	0.235	19	29	24
	11	90.7	69.4	89.9	32.5		6.5	0.26	20.1	30.1	25.1
	12	95.7	69.4	80.7	26.3		8.1	0.312	22.6	32.6	27.2
	13	91.7	69.3	78.9	43.3		9.0	0.275	20.5	30.5	25.5
	14	86.8	64.1	85.6	46.4		6.8	0.235	15.4	25.4	20.4
	15	99.6	71.3	85.9	28.0		10.3	0.345	25.4	35.4	28.2
	16	94.1	74.1	80.8	35.8		10.9	0.306	24.1	34.1	29.1
	17	93.7	70.6	83.8	27.9		8.3	0.269	22.2	32.2	27.2
	18	95.1	69.2	77.4	31.5		8.7	0.304	22.2	32.2	27.1
	19	91.5	73.0	75.2	31.5		7.0	0.24	22.2	32.2	27.2
	20	94.8	71.7	88.6	32.4	0.07	10.0	0.288	23.2	33.2	28.2
	21	93.9	70.1	84.7	31.5	0.02	9.7	0.267	22	32	27
	22	92.8	67.1	93.1	33.2		6.7	0.25	19.9	29.9	24.9
	23	94.3	71.1	75.5	28.3		6.3	0.273	22.7	32.7	27.7
	24	97.7	68.8	76.8	21.6		6.5	0.301	23.2	33.2	26.9
	25	97.6	68.9	72.5	22.5	0.02	5.8	0.29	23.2	33.2	27
	26	100.8	63.7	82.1	15.6		6.3	0.317	22.2	31.8	24.3
	27	103.5	74.5	64.3	14.6		8.8	0.375	29	37.2	29.8
	28	97.6	68.9	89.2	17.8		9.2	0.324	23.2	33.2	27
	29	88.8	65.1	84.9	33.9		8.9	0.253	16.9	26.9	21.9
	30	89.5	65.5	85.3	35.6		7.2	0.241	17.5	27.5	22.5
	31	88.8	63.6	80.8	29.1		5.0	0.221	16.2	26.2	21.2
September	1	91.4	63.2	73.1	21.2		4.1	0.23	17.3	27.3	22.3
	2	92.9	64.2	79.5	22.1		4.9	0.246	18.6	28.6	23.6
	3	92.0	65.7	72.1	25.5		4.6	0.235	18.8	28.8	23.8
	4	88.8	66.4	75.4	32.5		4.0	0.177	17.6	27.6	22.6
	5	90.2	63.4	86.9	32.2	0.22	3.2	0.192	16.8	26.8	21.8
	6	89.0	65.3	85.9	28.4		4.4	0.184	17.2	27.2	22.2
	7	89.7	63.8	86.0	29.3		5.3	0.213	16.8	26.8	21.8
	8	85.7	62.9	91.3	39.7		6.4	0.188	14.3	24.3	19.3
	9	84.1	66.0	95.6	45.3	0.09	4.1	0.144	15	25	20
	10	83.0	66.2	95.5	50.0		5.3	0.141	14.6	24.6	19.6
	11	84.3	64.3	97.3	32.3		5.3	0.195	14.3	24.3	19.3
	12	89.2	60.6	87.9	29.2		4.2	0.2	14.9	24.9	19.9
	13	90.9	61.8	96.4	30.1	0.58	5.5	0.215	16.3	26.3	21.3
	14	82.4	58.7	99.2	49.2		4.3	0.16	10.6	20.6	15.6
	15	75.7	61.3	95.4	50.7		6.7	0.136	8.5	18.5	13.5

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	(°F)	(°F)	(%)	(%)	(in.)	(mph)	(in.)				
16	82.1	54.4	97.0	37.1		3.0	0.154	8.2	18.2	13.5	
17	92.8	62.3	94.8	21.8		7.4	0.252	17.5	27.5	22.5	
18	96.6	62.8	94.9	22.6	0.65	9.8	0.288	19.7	29.7	23.9	
19	69.2	52.1	92.1	43.5	0.01	8.0	0.128	0.7	10.7	7.1	
20	86.0	48.0	93.1	19.2		5.1	0.207	7	18	15.5	
21	92.6	55.6	77.8	15.1		3.2	0.199	14.1	24.1	19.1	
22	78.6	57.0	78.4	33.5		7.7	0.204	7.8	17.8	12.8	
23	80.8	53.1	84.5	33.6		5.1	0.179	7	17	12.9	
24	79.6	54.4	86.9	28.8		4.3	0.174	7	17	12.3	
25	82.2	46.0	86.3	14.0		2.9	0.165	4.1	16.1	13.6	
26	90.1	47.7	85.8	11.9		3.9	0.202	8.9	20	17.5	
27	93.5	54.3	76.1	11.4		6.2	0.261	13.9	23.9	19.2	
28	89.7	61.1	60.4	12.4		8.5	0.291	15.4	25.4	20.4	
29	85.1	53.4	81.5	31.2		7.1	0.21	9.2	19.2	15	
30	86.9	63.6	83.7	35.9		6.1	0.181	15.2	25.2	20.2	
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October	1	87.7	62.3	91.5	42.8		8.1	0.176	15	25	20
	2	87.6	70.7	88.3	42.2		8.6	0.193	19.2	29.2	24.2
	3	87.8	63.0	82.4	21.6		6.8	0.188	15.4	25.4	20.4
	4	78.1	45.8	61.0	16.2		4.5	0.179	1.9	14	11.5
	5	84.4	54.0	65.5	37.2		8.3	0.206	9.2	19.2	14.7
	6	86.0	64.6	92.9	45.0		7.3	0.166	15.3	25.3	20.3
	7	64.9	51.8	98.2	62.6	0.29	6.6	0.078	0	8.4	5
	8	68.9	52.4	100.1	70.6	0.14	3.2	0.06	0.7	10.7	7
	9	66.6	53.5	99.7	68.3		3.9	0.069	0	10	5.8
	10	70.9	54.5	97.8	62.2		3.2	0.087	2.7	12.7	8
	11	89.0	52.6	100.3	15.4		6.1	0.189	10.8	20.8	17
	12	76.8	53.8	97.6	44.1		11.6	0.155	5.3	15.3	10.9
	13	57.5	46.9	68.6	27.9		8.2	0.127	0	3.8	1.2
	14	64.5	45.7	94.3	48.0		4.7	0.103	0	7.2	4.8
	15	71.4	42.1	98.6	32.7		4.9	0.126	0	10.7	8.2
	16	79.2	46.7	88.1	30.8		7.2	0.172	3	14.6	12.1
	17	70.1	48.2	97.0	49.2		7.0	0.099	0	10	7.5
	18	71.2	53.3	99.2	55.1	0.36	5.2	0.076	2.2	12.2	8.1
	19	71.1	47.5	98.1	31.1		6.8	0.126	0	10.5	8
	20	64.9	48.1	95.3	54.0		5.2	0.093	0	7.5	5
	21	74.9	48.8	99.9	46.6		5.0	0.105	1.9	12.5	10
	22	74.1	59.3	99.2	57.2		6.7	0.108	6.7	16.7	11.7
	23	66.5	46.4	99.4	73.9	0.03	7.9	0.051	0	8.2	5.8
	24	48.6	41.5	100.0	87.9	0.32	7.8	0.027	0	0	0
	25	60.8	41.2	100.0	73.1		4.5	0.055	0	5.4	2.9
	26	53.1	45.3	100.3	89.2	0.01	9.2	0.033	0	1.5	0
	27	59.6	46.0	100.4	88.2	0.61	1.8	0.037	0	4.8	2.3
	28	60.8	47.7	100.1	58.6	1.55	3.8	0.038	0	5.4	2.9
	29	71.3	43.9	97.9	27.5	0.01	5.2	0.119	0	10.6	8.1
	30	49.4	42.4	99.0	77.0		8.7	0.043	0	0	0
	31	43.5	34.1	101.0	80.6		8.3	0.029	0	0	0

