

USDA-ARS-Knipling-Bushland US Livestock Insects Laboratory, Kerrville,TX

DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
1-Jan	30.17	63	32	35			34	overcast
2-Jan	30.17	43	33	35		0.12	79	overcast (rain 2-8am)
3-Jan	30.06	35	32	34		0.21	97	rain (8am-5pm, 10pm-mdnt, 2-6am)
4-Jan	30.10	53	29	29			47	overcast
5-Jan	30.17	69	28	28			20	overcast
6-Jan	30.16	70	28	51	46		28	overcast
7-Jan	30.19	68	51	58	58		70	overcast
8-Jan	30.19	70	43	43			50	overcast
9-Jan	30.46	72	43	46	46		46	mstly cldy
10-Jan	30.35	55	44	44			42	overcast
11-Jan	30.03	56	44	51	51		53	overcast
12-Jan	30.06	55	46	46		0.22	97	overcast, fog (rain 2-6pm)
13-Jan	30.36	58	34	34	34		50	overcast
14-Jan	30.46	54	34	37	37		52	overcast
15-Jan	30.32	47	37	42	42		71	overcast, fog
16-Jan	30.20	47	42	47	46		89	overcast, fog
17-Jan	30.16	61	47	47			79	overcast, fog
18-Jan	30.01	75	47	51	48		31	overcast, fog
19-Jan	30.14	64	39	39			37	clear
20-Jan	30.36	56	27	27			34	clear
21-Jan	30.44	62	27	38	36		32	overcast
22-Jan	29.82	62	38	54	54		48	clear
23-Jan	30.20	60	31	31			47	clear
24-Jan	30.08	54	25	28			26	clear
25-Jan	30.29	61	28	35	29		28	overcast
26-Jan	30.21	56	35	36			66	ptly cldy
27-Jan	30.24	63	36	42	42	0.31	56	clear
28-Jan	29.88	61	35	41			34	clear
29-Jan	30.28	70	30	31			28	clear
30-Jan	30.17	49	31	35	34		31	mstly cldy
31-Jan	30.09	52	35	45	43	0.03	48	drizzle, fog (lt drizzle 4-8am)

January Totals and Averages

Max. Temp.	75.0 °
Min. Temp.	25.0 °
Avg. High	58.7 °
Avg. Low	35.8 °
Avg. Temp	47.3 °
Total RF	0.89 "
Avg. RF (30 YR)	1.64 "
Low RH	20 %
Avg. Low RH	50 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	0.89 "
Avg. RF (30 YR)	1.64 "

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DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
1-Feb	30.09	54	45	53	53	0.05	96	overcast, fog (drizzle 4pm-2am)
2-Feb	30.10	63	53	57	53	trace	81	overcast, fog (drizzle 2-4am)
3-Feb	29.95	64	56	58		0.00	76	overcast, fog
4-Feb	29.90	71	57	61		0.00	67	overcast, fog
5-Feb	29.90	71	59	64		0.00	76	overcast, fog
6-Feb	29.88	66	64	64		trace	90	overcast, fog, drizzle
7-Feb	30.03	74	60	60		0.00	58	overcast
8-Feb	30.50	65	31	31		trace	31	overcast, freezing rain
9-Feb	30.43	34	31	32		0.00	58	overcast
10-Feb	30.15	41	31	39		0.12	77	overcast, fog (lt rain 8pm-6am)
11-Feb	29.91	51	39	51	48	0.00	95	overcast, fog
12-Feb	30.17	54	38	38		0.00	53	clear
13-Feb	30.28	61	27	28		0.00	28	clear
14-Feb	29.94	62	28	53	49	0.00	28	overcast
15-Feb	29.83	69	45	46		0.00	53	ptly cldy
16-Feb	29.82	85	44	44		0.00	29	clear
17-Feb	29.82	74	44	52	49	0.00	49	overcast
18-Feb	30.13	65	40	40		0.00	25	clear
19-Feb	30.02	56	36	37		0.00	35	overcast
20-Feb	29.97	41	31	34		0.07	94	ptly cldy (drizzle 7-10pm)
21-Feb	29.91	62	34	48	43	0.00	27	overcast
22-Feb	29.93	56	48	49		0.02	61	overcast, fog (drizzle 4-6am)
23-Feb	29.97	65	46	47		0.00	75	clear
24-Feb	30.32	68	37	39		0.00	13	clear
25-Feb	30.26	63	39	45		0.00	25	clear
26-Feb	30.11	65	44	55		0.00	42	overcast, fog
27-Feb	30.07	72	55	60	60	0.00	63	overcast
28-Feb	30.05	82	42	42		0.00	38	overcast, fog

February Totals and Averages

Max. Temp.	85.0 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	27.0 °	
Avg. High	62.6 °	
Avg. Low	43.0 °	
Avg. Temp	52.8 °	
Total RF	0.26 "	
Avg. RF (30 YR)	1.77 "	
Low RH	13 %	
Avg. Low RH	55 %	
Year To Date RF	1.15 "	
Avg. RF (30 YR)	3.49 "	

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DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
1-Mar	30.02	48	37	48		0.23	85	overcast, fog (rain 9am-noon)
2-Mar	30.04	68	48	57	57	0.00	78	overcast, fog
3-Mar	30.03	58	41	41		0.08	97	overcast, fog (rain 9am-noon, 4-8pm)
4-Mar	30.37	41	23	23		0.00	82	overcast, fog
5-Mar	30.40	33	21	24		0.00	55	clear
6-Mar	30.41	45	23	29		0.00	36	clear
7-Mar	30.12	54	29	50	43	0.00	36	overcast
8-Mar	29.98	69	50	61	58	0.00	54	overcast, fog
9-Mar	29.80	78	61	66	65	0.00	66	overcast, fog
10-Mar	29.97	82	52	60		0.00	17	overcast, fog
11-Mar	30.10	72	53	53		0.00	43	overcast, fog
12-Mar	30.09	66	53	58		0.00	81	overcast, fog
13-Mar	29.75	73	51	51		0.95	69	overcast (rain mdnt -7am)
14-Mar	29.91	78	50	52		0.00	20	ptyly cldy
15-Mar	30.34	70	44	44		0.00	26	mstly cldy
16-Mar	30.41	53	40	44		0.00	35	overcast
17-Mar	30.33	59	34	34		0.00	27	ptyly cldy
18-Mar	30.25	64	34	40	38	0.00	24	ptyly cldy
19-Mar	30.23	66	38	38		0.00	23	ptyly cldy
20-Mar	30.20	66	38	52	49	0.00	33	mstly cldy
21-Mar	30.26	74	45	46		0.00	41	clear
22-Mar	30.13	74	46	49	49	0.00	40	clear
23-Mar	30.07	73	49	58	58	0.00	51	overcast, fog
24-Mar	30.08	67	58	61	61	0.02	82	overcast, fog (drizzle 8-11 am)
25-Mar	30.08	78	57	64		0.00	66	overcast, fog
26-Mar	30.26	77	47	48		0.00	47	ptyly cldy
27-Mar	30.27	76	48	49		0.00	34	overcast
28-Mar	30.11	71	49	58	58	0.00	53	overcast
29-Mar	29.97	73	58	60		0.00	55	overcast
30-Mar	29.90	75	58	59		0.00	59	overcast
31-Mar	30.34	63	40	40		0.00	52	ptyly cldy

March Totals and Averages

Max. Temp.	82.0 °
Min. Temp.	21.0 °
Avg. High	65.9 °
Avg. Low	44.4 °
Avg. Temp	55.2 °
Total RF	1.28 "
Avg. RF (30 YR)	2.41 "
Low RH	17 %
Avg. Low RH	51 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	2.43 "
Avg. RF (30 YR)	5.90 "

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DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
1-Apr	30.26	55	37	42		0.00	30	overcast
2-Apr	30.20	63	32	33		0.00	32	ptly cldy
3-Apr	30.10	69	33	55	54	0.00	29	overcast
4-Apr	29.98	64	55	62	62	0.03	85	overcast, fog (drizzle 4-8pm, 5-6am)
5-Apr	30.00	86	48	49		0.00	18	mstly cldy
6-Apr	29.91	83	49	66	65	0.01	41	overcast, fog (drizzle 7-8am)
7-Apr	29.96	78	59	59		0.17	60	lt rain, TS, fog (lt rain 8-10am, 6-8am)
8-Apr	30.00	68	50	51		0.41	55	ptly cldy (rain 8-10am)
9-Apr	29.99	85	48	50		0.00	29	clear
10-Apr	29.77	87	50	60	60	0.00	28	clear
11-Apr	29.72	91	60	65	62	0.00	21	overcast
12-Apr	29.87	78	42	43		0.00	13	clear
13-Apr	29.57	79	43	64	64	0.00	31	overcast, fog
14-Apr	30.08	65	40	40		0.08	61	clear, TS (rain 8-10am)
15-Apr	30.06	73	40	53		0.00	29	clear
16-Apr	29.98	77	53	61	59	0.00	36	overcast
17-Apr	29.81	75	61	67	65	0.00	60	overcast
18-Apr	29.77	82	52	52		0.65	53	clear, TS (rain 11pm-3am)
19-Apr	30.12	72	45	52		0.00	31	clear
20-Apr	30.11	73	41	44		0.00	28	clear
21-Apr	29.97	79	44	60	57	0.00	37	overcast
22-Apr	30.00	79	60	62		0.00	53	mstly cldy
23-Apr	29.95	77	62	65	64	0.00	54	overcast
24-Apr	29.94	72	57	57		0.44	76	drizzle, TS (rain 5-8am)
25-Apr	29.90	62	47	51		1.39	83	clear, TS (rain 8am-5pm)
26-Apr	30.14	84	51	60	55	0.00	32	clear
27-Apr	30.00	79	58	61		0.00	42	clear
28-Apr	29.94	82	60	61		0.00	41	overcast
29-Apr	29.89	81	61	65		0.00	48	overcast
30-Apr	29.86	76	65	70	68	0.00	67	overcast

April Totals and Averages

Max. Temp.	91.0 °
Min. Temp.	32.0 °
Avg. High	75.8 °
Avg. Low	50.1 °
Avg. Temp	63.0 °
Total RF	3.18 "
Avg. RF (30 YR)	2.25 "
Low RH	13 %
Avg. Low RH	43 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	5.61 "
Avg. RF (30 YR)	8.15 "

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DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
01-May	29.88	76	70	70		0.00	79	overcast
02-May	29.93	73	69	90		0.00	89	overcast
03-May	29.90	71	59	61		0.48	87	clear, TS (rain 5-7pm, mdnt-4am)
04-May	29.91	75	55	58		0.00	80	overcast
05-May	29.92	77	55	62		0.00	57	overcast, fog
06-May	29.87	81	62	66	65	0.27	54	overcast (rain 5-6am)
07-May	29.93	76	65	68		0.43	64	overcast, (rain 5-7am)
08-May	29.71	81	66	68		0.72	68	rain, TS (rain 4-8am)
09-May	29.79	82	63	69		1.42	41	overcast, fog, TS (rain 8am-noon)
10-May	29.99	80	51	52		0.59	69	overcast, TS (rain 1-7pm)
11-May	29.97	57	50	52		0.07	85	overcast, fog (drizzle 11pm-2am, 5-7am)
12-May	29.94	61	52	56	54	0.00	80	clear
13-May	29.95	75	52	56		0.00	51	clear
14-May	30.02	77	56	65		0.00	50	overcast, fog
15-May	30.02	72	61	65		0.27	75	overcast, fog, TS (rain noon-4pm)
16-May	29.99	83	65	66		0.00	51	overcast
17-May	29.86	80	66	69	69	0.00	58	overcast
18-May	29.70	82	69	72	71	0.00	65	overcast
19-May	29.89	79	68	71		0.25	75	overcast, fog, TS (rain 9am-noon)
20-May	29.79	87	71	74	73	0.00	41	overcast, fog
21-May	29.70	84	61	62		0.05	64	overcast (rain 6-7am)
22-May	29.70	83	62	73	68	0.00	23	overcast
23-May	29.90	85	73	73		0.00	64	overcast
24-May	29.93	87	73	73		0.00	55	overcast
25-May	29.98	84	72	72		0.00	56	overcast
26-May	30.01	85	70	71		0.04	55	overcast (rain 8-10am)
27-May	29.92	85	69	69		0.00	56	overcast
28-May	29.78	84	69	70	70	0.00	59	overcast
29-May	29.72	81	70	73	72	0.00	64	overcast
30-May	29.95	87	67	68		0.17	56	overcast, TS (mdnt-3am)
31-May	29.97	83	62	66		0.15	68	ptly cldy, TS (rain 9pm-mdnt)

May Totals and Averages

Max. Temp.	87.0 °
Min. Temp.	50.0 °
Avg. High	79.1 °
Avg. Low	63.6 °
Avg. Temp	71.4 °
Total RF	4.91 "
Avg. RF (30 YR)	4.16 "
Low RH	23 %
Avg. Low RH	63 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	10.52 "
Avg. RF (30 YR)	12.31 "

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DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
01-Jun	29.98	81	66	72	71	0.00	66	ptly cldy
02-Jun	29.96	86	70	72		0.00	55	ptly cldy
03-Jun	29.97	88	72	73		0.00	49	overcast
04-Jun	29.94	85	69	72		0.00	57	overcast
05-Jun	29.87	79	71	72		0.21	75	overcast, fog, TS (rain 10pm-3am)
06-Jun	29.78	89	64	66		1.05	52	ptly cldy, fog, TS (rain 2-4am)
07-Jun	29.79	90	62	67		0.00	38	clear
08-Jun	29.89	91	65	68		0.00	35	clear
09-Jun	29.91	93	68	75	72	0.00	41	clear
10-Jun	30.16	96	67	70		0.38	43	overcast, TS (rain 10pm-1am)
11-Jun	30.12	78	62	62		0.10	62	rain (lt rain 3-4am, 7-8am)
12-Jun	30.05	67	56	61		0.21	84	ptly cldy (intmt rain 8am-5pm)
13-Jun	30.17	83	61	65	63	0.00	53	clear
14-Jun	30.07	85	65	69	68	0.00	50	ptly cldy
15-Jun	29.95	86	69	72	71	0.00	49	overcast
16-Jun	29.91	89	72	74	73	0.00	49	overcast
17-Jun	29.99	88	65	66		1.66	59	overcast, TS (rain 10pm-8am)
18-Jun	29.98	85	64	70		0.00	54	clear
19-Jun	29.92	89	70	75		0.00	50	ptly cldy
20-Jun	29.86	92	75	76		0.00	52	overcast
21-Jun	29.91	90	73	74		0.00	65	overcast
22-Jun	29.95	89	69	71		0.00	56	ptly cldy
23-Jun	29.92	86	71	75		0.17	65	overcast (rain 3-5am)
24-Jun	29.92	86	74	76		0.11	67	overcast (rain 9-11am)
25-Jun	29.96	84	68	71		0.00	57	mstly cldy
26-Jun	30.09	86	67	70		0.00	51	overcast
27-Jun	30.19	86	70	73		0.00	52	overcast
28-Jun	30.20	87	71	72		0.00	54	ptly cldy
29-Jun	30.16	87	66	68		0.00	48	clear
30-Jun	30.14	89	65	65		0.88	39	mstly cldy, TS (rain 2-4am, 7-8am)

June Totals and Averages

Max. Temp.	96.0 °
Min. Temp.	56.0 °
Avg. High	86.3 °
Avg. Low	67.6 °
Avg. Temp	77.0 °
Total RF	4.77 "
Avg. RF (30 YR)	3.14 "
Low RH	35 %
Avg. Low RH	54 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	15.29 "
Avg. RF (30 YR)	15.45 "

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		HI	LO					
01-Jul	30.07	82	65	70	69	0.45	59	rain, TS (rain 8am-1pm)
02-Jul	30.05	85	70	72		0.00	48	mstly cldy
03-Jul	29.97	87	71	72		0.00	52	overcast
04-Jul	29.98	86	70	71		0.00	64	overcast, fog
05-Jul	30.06	87	71	74		0.00	60	overcast
06-Jul	30.15	88	70	72		0.00	54	ptly cldy
07-Jul	30.14	88	72	73		0.00	52	mstly cldy
08-Jul	30.02	89	72	73		0.00	52	mstly cldy
09-Jul	29.99	92	73	74		0.00	51	overcast
10-Jul	30.03	89	74	75		0.00	62	mstly cldy
11-Jul	30.05	95	69	70		0.00	40	mstly cldy
12-Jul	29.95	91	67	72		0.00	46	ptly cldy
13-Jul	29.95	90	64	66		0.00	45	clear
14-Jul	29.99	90	66	72	70	0.00	37	clear
15-Jul	30.00	93	69	73		0.00	45	clear
16-Jul	30.05	95	72	74		0.00	42	ptly cldy
17-Jul	30.07	91	73	74		0.00	46	mstly cldy
18-Jul	30.08	91	73	73		0.00	47	mstly cldy
19-Jul	30.02	92	72	73		0.00	42	mstly cldy
20-Jul	30.01	92	72	73		0.00	44	overcast
21-Jul	30.01	92	70	71		0.00	39	mstly cldy
22-Jul	30.06	92	71	72		0.00	40	mstly cldy
23-Jul	30.15	95	72	74		0.02	31	mstly cldy (drizzle 3-4 am)
24-Jul	30.18	87	63	66		0.00	31	clear
25-Jul	30.16	86	56	58		0.00	34	ptly cldy
26-Jul	30.17	87	58	62	59	0.00	30	clear
27-Jul	30.19	87	60	66		0.00	32	clear
28-Jul	30.14	90	66	74	73	0.00	37	overcast
29-Jul	30.08	92	72	72		0.00	39	clear
30-Jul	30.10	91	72	74	74	0.00	40	overcast
31-Jul	30.07	95	72	73		0.00	38	ptly cldy

July Totals and Averages

Max. Temp.	95.0 °
Min. Temp.	56.0 °
Avg. High	89.9 °
Avg. Low	68.9 °
Avg. Temp	79.4 °
Total RF	0.47 "
Avg. RF (30 YR)	2.26 "
Low RH	30 %
Avg. Low RH	44 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	15.76 "
Avg. RF (30 YR)	17.71 "

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		HI	LO					
01-Aug	30.11	95	71	72		0.00	34	ptly cldy
02-Aug	30.06	95	71	72		0.00	35	ptly cldy
03-Aug	30.00	96	72	73		0.00	33	clear
04-Aug	30.02	94	71	72		0.05	39	overcast (lt rain 4-5am)
05-Aug	30.02	94	72	73		0.00	40	mstly cldy
06-Aug	30.01	95	73	73		0.00	41	ptly cldy
07-Aug	29.99	96	73	74		0.00	37	mstly cldy
08-Aug	29.98	96	73	74		0.00	38	overcast
09-Aug	29.99	94	74	75		0.00	41	overcast
10-Aug	30.01	96	73	74		0.00	32	overcast
11-Aug	30.05	96	73	74		0.00	37	overcast
12-Aug	30.01	96	73	74		0.00	32	mstly cldy
13-Aug	29.96	98	73	74		0.00	32	ptly cldy
14-Aug	30.03	100	74	75		0.00	30	ptly cldy
15-Aug	30.06	98	70	71		0.12	35	clear (rain 4-5pm)
16-Aug	30.01	94	71	74	74	0.00	41	clear
17-Aug	29.95	100	74	74		0.00	29	overcast
18-Aug	29.94	97	73	74		0.00	34	overcast
19-Aug	30.02	95	73	74		0.00	36	mstly cldy
20-Aug	30.08	96	74	75		0.00	35	ptly cldy
21-Aug	30.06	95	73	73		0.00	36	ptly cldy
22-Aug	30.02	95	73	73		0.00	33	overcast
23-Aug	29.98	94	73	74		0.00	40	ptly cldy
24-Aug	29.99	95	73	73		0.48	40	overcast (rain 11pm-4am)
25-Aug	29.96	93	73	74		0.36	46	overcast (rain 6-10pm)
26-Aug	29.84	94	74	74		0.00	39	ptly cldy
27-Aug	29.91	98	74	76		0.00	39	overcast
28-Aug	30.09	91	70	71		0.00	51	ptly cldy
29-Aug	30.09	95	71	74		0.00	38	ptly cldy
30-Aug	30.07	97	74	74		0.00	32	ptly cldy
31-Aug	30.08	95	69	71		0.00	38	ptly cldy

August Totals and Averages

Max. Temp.	100.0 °
Min. Temp.	69.0 °
Avg. High	95.6 °
Avg. Low	72.5 °
Avg. Temp	84.1 °
Total RF	1.01 "
Avg. RF (30 YR)	1.93 "
Low RH	29 %
Avg. Low RH	37 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	16.77 "
Avg. RF (30 YR)	19.64 "

USDA-ARS-Knipling-Bushland US Livestock Insects Laboratory, Kerrville,TX

DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
01-Sep	30.10	93	70	71		0.00	40	mstly cldy
02-Sep	30.11	89	67	68		0.13	40	clear, TS (rain 8-10am)
03-Sep	30.07	94	63	64		0.00	30	clear
04-Sep	30.09	92	64	67	67	0.00	31	clear
05-Sep	30.15	93	67	67		0.00	37	clear
06-Sep	30.15	95	67	70	70	0.00	35	ptly cldy
07-Sep	30.11	95	70	74	73	0.00	37	overcast
08-Sep	30.04	95	73	73		0.00	28	mstly cldy
09-Sep	30.05	93	72	72		0.00	37	mstly cldy
10-Sep	30.09	92	72	73		0.00	38	ptly cldy
11-Sep	30.13	92	72	73		0.04	39	overcast (rain 7-8pm)
12-Sep	30.11	89	70	70		0.52	54	overcast (rain 10am-noon)
13-Sep	30.17	90	70	71		0.00	39	mstly cldy
14-Sep	30.18	91	65	67		0.00	32	clear
15-Sep	30.12	91	63	63		0.00	29	clear
16-Sep	30.08	91	63	65	65	0.00	35	clear
17-Sep	30.01	93	65	65		0.00	36	clear
18-Sep	29.97	92	65	67	66	0.00	36	clear
19-Sep	29.93	97	67	73	73	0.00	32	ptly cldy
20-Sep	29.99	96	73	74	74	0.00	38	overcast
21-Sep	30.06	91	73	74		0.00	41	overcast
22-Sep	30.07	91	72	73		0.00	43	overcast
23-Sep	30.09	90	73	74		0.00	43	overcast
24-Sep	30.02	92	72	72		0.00	43	mstly cldy
25-Sep	29.95	91	72	73		0.00	44	ptly cldy
26-Sep	29.96	92	70	71		0.00	41	overcast
27-Sep	29.91	94	70	70		0.00	36	mstly cldy
28-Sep	29.91	93	70	74		0.00	38	overcast
29-Sep	30.02	93	73	73		0.00	41	mstly cldy
30-Sep	30.03	91	73	75		0.07	45	overcast (lt rain mdnt - 5 am)

September Totals and Averages

Max. Temp.	97.0 °
Min. Temp.	63.0 °
Avg. High	92.4 °
Avg. Low	69.2 °
Avg. Temp	80.8 °
Total RF	0.76 "
Avg. RF (30 YR)	3.80 "
Low RH	28 %
Avg. Low RH	38 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	17.53 "
Avg. RF (30 YR)	23.44 "

USDA-ARS-Knipling-Bushland US Livestock Insects Laboratory, Kerrville, TX

DATE 2019	B. P. 8 AM	--TEMPERATURES--		8AM	ONL	RAIN FALL	LOW RH	COMMENTS
		HI	LO					
1-Oct	30.01	91	73	73		0.02	49	overcast (lt rain 2-3am, 6-7am)
2-Oct	30.02	91	72	72		0.00	44	overcast
3-Oct	30.07	91	70	70		0.00	38	ptly cldy
4-Oct	30.13	91	64	64		0.00	39	mstly cldy
5-Oct	30.06	91	64	69	66	0.00	35	mstly cldy
6-Oct	30.03	92	64	65		0.00	34	ptly cldy
7-Oct	30.18	94	58	58		0.18	35	overcast (lt rain 1-3am)
8-Oct	30.13	77	56	56		0.00	49	ptly cldy
9-Oct	29.98	84	56	69	66	0.00	39	overcast
10-Oct	29.91	87	69	73	73	0.00	45	mstly cldy
11-Oct	30.11	91	49	49		0.23	43	overcast (rain 3-6am)
12-Oct	30.28	52	42	49		0.00	39	overcast
13-Oct	30.05	64	49	50		0.03	25	mstly cldy, TS (lt rain 11am-noon, 10pm-4am)
14-Oct	30.02	76	49	64		0.01	33	overcast (lt rain 3-4am)
15-Oct	29.97	84	64	72		0.00	53	overcast
16-Oct	30.09	91	62	62		0.00	39	overcast
17-Oct	30.06	67	50	50		0.00	31	overcast
18-Oct	29.89	78	46	46		0.00	22	clear
19-Oct	29.82	81	46	69		0.00	40	overcast
20-Oct	29.84	91	56	63		0.00	25	overcast
21-Oct	29.88	84	56	56		0.65	60	clear (rain 2-5am)
22-Oct	30.20	77	41	41		0.00	56	clear
23-Oct	30.10	79	41	53	53	0.00	47	clear
24-Oct	29.97	80	53	67	66	0.00	38	overcast
25-Oct	30.15	75	37	38		0.26	72	overcast (rain 2-4am)
26-Oct	30.00	58	38	40	40	0.00	48	clear
27-Oct	29.96	72	35	44		0.00	18	clear
28-Oct	29.97	78	43	61		0.00	24	overcast
29-Oct	30.01	77	48	48		0.04	63	lt rain, fog (lt rain 2-8am)
30-Oct	30.00	55	40	40		0.13	96	drizzle, fog (lt rain 10pm-6am)
31-Oct	30.45	41	28	28		0.09	81	clear (lt rain 8am-5pm)

October Totals and Averages

Max. Temp.	94.0 °
Min. Temp.	28.0 °
Avg. High	78.7 °
Avg. Low	52.2 °
Avg. Temp	65.5 °
Total RF	1.64 "
Avg. RF (30 YR)	3.28 "
Low RH	21 %
Avg. Low RH	44 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	19.17 "
Avg. RF (30 YR)	26.72 "

USDA-ARS-Knipling-Bushland US Livestock Insects Laboratory, Kerrville,TX

DATE 2019	B. P. 8 AM	--TEMPERATURES--				RAIN	LOW	COMMENTS
		HI	LO	8AM	ONL	FALL	RH	
01-Nov	30.34	51	25	26		0.00	30	clear
02-Nov	30.30	63	26	32	32	0.00	25	clear
03-Nov	30.25	67	32	37	35	0.00	28	clear
04-Nov	30.04	68	37	54	53	0.00	33	clear
05-Nov	30.15	78	54	65	63	0.00	50	overcast
06-Nov	30.22	75	65	67	67	0.06	68	rain (rain6-8am)
07-Nov	30.14	74	64	65		0.03	76	drizzle, fog (drizzle 8-9am, 4-8am)
08-Nov	30.38	65	37	38		0.30	92	overcast, fog (rain 9am-noon, mdnt-7am)
09-Nov	30.31	46	36	41		0.00	93	clear
10-Nov	30.16	70	41	49	45	0.00	55	clear
11-Nov	30.00	66	49	62	60	0.00	69	overcast
12-Nov	30.54	68	24	24		0.16	74	overcast (mixed rain, sleet, snow 2pm-3am)
13-Nov	30.27	40	24	32	27	0.00	40	overcast
14-Nov	30.20	43	32	41	38	0.00	53	overcast
15-Nov	30.43	45	27	32		0.02	81	clear, fog (lt rain 8-10am, 11am-noon)
16-Nov	30.26	63	27	33		0.00	32	clear
17-Nov	30.06	63	33	50	43	0.00	35	overcast
18-Nov	30.04	71	34	39		0.00	52	clear
19-Nov	30.01	75	39	46	40	0.00	29	fog
20-Nov	29.97	75	46	62	60	trace	44	overcast, fog (lt rain 6-7am)
21-Nov	29.97	77	62	65	64	0.00	56	overcast
22-Nov	30.08	72	48	48		0.03	69	overcast (lt rain 5-7am)
23-Nov	30.13	62	36	39		0.00	58	clear
24-Nov	30.12	72	32	38		0.00	29	clear
25-Nov	29.81	74	37	48		0.00	26	clear
26-Nov	29.67	84	48	61	59	0.00	18	overcast
27-Nov	30.18	77	47	47		0.00	22	overcast
28-Nov	30.22	53	43	44		0.00	31	overcast
29-Nov	30.09	56	44	56	54	0.00	81	overcast
30-Nov	29.86	69	56	68	68	0.05	99	overcast, fog (drizzle 9am-3pm)

November Totals and Averages

Max. Temp.	84.0 °
Min. Temp.	24.0 °
Avg. High	65.4 °
Avg. Low	40.2 °
Avg. Temp	52.8 °
Total RF	0.65 "
Avg. RF (30 YR)	2.21 "
Low RH	18 %
Avg. Low RH	52 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	19.82 "
Avg. RF (30 YR)	28.93 "

USDA-ARS-Knipling-Bushland US Livestock Insects Laboratory, Kerrville,TX

DATE 2019	B. P. 8 AM	--TEMPERATURES--			RAIN	LOW	COMMENTS	
		HI	LO	8AM	ONL	FALL	RH	
1-Dec	30.16	84	43	45		0.00	25	clear
2-Dec	30.33	62	28	32		0.00	23	clear
3-Dec	30.05	67	32	37	33	0.00	21	clear
4-Dec	30.12	76	37	40	38	0.00	23	clear
5-Dec	30.03	72	40	54	47	0.00	25	clear
6-Dec	30.22	74	46	52		0.00	41	clear
7-Dec	30.32	69	33	36		0.00	35	clear
8-Dec	30.06	69	35	49		0.00	33	clear
9-Dec	29.9	72	49	53	52	0.00	51	overcast, fog
10-Dec	30.17	83	38	38		0.13	32	rain, fog (lt rain 3-8am)
11-Dec	30.48	43	36	36		0.05	89	overcast, fog (lt rain 8am-noon)
12-Dec	30.26	59	29	36		0.00	27	overcast
13-Dec	30.01	62	33	35		0.00	44	clear
14-Dec	29.88	77	35	40	37	0.00	24	clear
15-Dec	29.79	82	40	44	43	0.00	20	clear
16-Dec	29.95	86	40	42		0.03	21	drizzle, fog (drizzle 5-8am)
17-Dec	30.36	53	31	32		0.00	53	clear
18-Dec	30.47	50	18	20		0.00	27	clear
19-Dec	30.37	57	18	19		0.00	17	clear
20-Dec	30.26	56	19	46	44	0.00	21	overcast, fog
21-Dec	30.35	50	30	31		trace	91	overcast, fog (drizzle 5-7am)
22-Dec	30.31	63	23	25		0.00	24	clear
23-Dec	30.17	71	25	30	28	0.00	16	clear
24-Dec	30.07	75	29	31		0.00	15	clear
25-Dec	29.95	70	30	51		0.00	19	overcast, fog
26-Dec	30.03	72	51	59	54	0.00	57	overcast
27-Dec	30.06	66	58	58		0.00	75	overcast
28-Dec	29.8	66	58	61	60	0.00	74	overcast
29-Dec	29.9	62	41	45		0.02	83	mstly cldy, fog (Drizzle 11am-2pm)
30-Dec	30.16	60	26	27		0.00	28	clear
31-Dec	30.28	61	25	26		0.00	26	clear

December Totals and Averages

Max. Temp.	86.0 °
Min. Temp.	18.0 °
Avg. High	66.7 °
Avg. Low	34.7 °
Avg. Temp	50.7 °
Total RF	0.23 "
Avg. RF (30 YR)	1.84 "
Low RH	15 %
Avg. Low RH	37 %

NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.

Year To Date RF	20.05 "
Avg. RF (30 YR)	30.77 "