

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

DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-Jan	30.10	58	46	47	---	0.05	88	cldy;occas. drizzle/lt. RF 1:00 AM-6:00 AM
02-Jan	30.27	52	31	32	---	0.00	66	PC
03-Jan	30.36	44	25	35	---	0.00	53	cldy;occas. lt. drizzle/sleet 9:00 AM-11:00 AM
04-Jan	30.43	41	32	33	---	0.22	57	lt.RF/sleet 12-2AM;snow/sleet 2-9AM;drizzle/lt. RF 9AM-11PM; *
05-Jan	30.33	37	33	36	---	0.12	93	cldy;lt. RF 4:00-5:00 AM
06-Jan	30.35	60	25	28	---	0.00	51	PC
07-Jan	30.24	58	24	26	---	0.00	23	cldy;frost
08-Jan	29.98	52	26	46	36	0.08	47	cldy;occas. drizzle/lt. RF 2-8AM;fog PM;drizzle/RF 8 AM-midnight
09-Jan	30.01	54	46	53	48	2.29	93	cldy;drizzle/RF midnight-10:00 AM
10-Jan	30.03	55	41	43	---	0.03	88	clear
11-Jan	29.96	64	39	51	---	0.00	39	PC
12-Jan	29.79	70	51	63	58	0.01	64	cldy;fog;occas. drizzle/lt. RF 2:00-11:00 AM
13-Jan	30.10	69	31	31	---	0.01	54	PC
14-Jan	30.19	50	27	28	---	0.00	40	cldy
15-Jan	30.10	48	28	34	33	0.00	46	cldy
16-Jan	30.29	37	21	26	---	0.00	55	clear
17-Jan	30.40	52	26	29	---	0.00	20	clear
18-Jan	30.46	64	26	30	---	0.00	25	clear
19-Jan	30.26	64	30	35	33	0.00	31	PC
20-Jan	30.23	68	30	34	---	0.00	37	PC
21-Jan	30.20	73	34	41	36	0.00	38	PC
22-Jan	30.27	72	41	46	43	0.00	43	PC
23-Jan	30.28	69	45	52	---	0.00	43	MC
24-Jan	30.23	73	46	57	---	0.00	50	cldy;dense fog
25-Jan	30.13	79	53	59	---	0.00	47	cldy;lt. fog
26-Jan	30.16	77	50	51	---	0.00	57	cldy;dense fog
27-Jan	30.06	63	51	60	57	0.00	83	cldy
28-Jan	30.03	76	60	66	65	0.00	54	cldy
29-Jan	29.75	73	65	66	---	0.02	73	cldy;occas. lt. drizzle midnight-8:00 AM
30-Jan	30.03	79	39	39	---	0.00	42	PC
31-Jan	30.24	56	24	26	---	0.00	11	PC

January Totals and Averages

Max. Temp.	79 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.	
Min. Temp.	21 °		
Avg. High	60.9 °		
Avg. Low	37.0 °		
Avg. Temp	49.0 °		* 1-4-2013; 0.7 in. snow on ground
Total RF	2.83 "		
Avg. RF (30 YR)	1.63 "		
Low RH	11 %		
Avg. Low RH	52.0 %		

Year To Date RF	2.83 "
Avg. RF (30 YR)	1.63 "

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW		
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	COMMENTS	
01-Feb	30.30	67	26	37	31	0.00	14	clear	
02-Feb	30.22	69	37	40	---	0.00	26	PC	
03-Feb	30.32	74	39	40	---	0.00	33	PC	
04-Feb	29.94	69	40	55	54	0.03	32	MC;lt. RF 7:00-8:00 AM	
05-Feb	29.98	74	36	40	---	0.00	53	PC	
06-Feb	29.99	80	40	56	55	T	18	MC;occas. drizzle/lt. RF 3:00-6:00 AM	
07-Feb	29.97	75	56	58	---	0.02	61	cldy;lt. fog;lt. drizzle 3:00-8:00 AM	
08-Feb	30.20	81	42	47	---	0.00	18	clear	
09-Feb	30.03	69	47	54	48	0.00	23	cldy;lt. fog;occas. drizzle/lt. RF 10:00 AM-midnight	
10-Feb	29.90	65	48	50	---	0.04	62	MC;occas. drizzle/lt. RF midnight-5:00 AM	
11-Feb	30.02	65	48	54	---	0.00	20	MC	
12-Feb	29.92	58	48	51	---	0.01	39	cldy;fog;occas. lt. drizzle 1:00-8:00 AM	
13-Feb	30.13	71	29	35	---	0.00	13	clear	
14-Feb	30.10	63	28	36	---	0.00	16	clear	
15-Feb	30.20	70	34	44	---	0.00	24	MC	
16-Feb	30.40	58	24	30	---	0.00	39	clear	
17-Feb	30.17	66	30	39	---	0.00	25	PC	
18-Feb	29.95	67	39	58	56	0.00	24	cldy	
19-Feb	30.22	79	39	45	---	0.00	3	PC	
20-Feb	29.96	66	45	51	49	0.00	17	cldy;occas. drizzle 8:00 AM-7:00 PM	
21-Feb	29.76	65	51	55	55	0.03	88	cldy;occas. drizzle 1:00 AM-7:00 AM	
22-Feb	30.01	73	36	41	---	0.00	27	PC	
23-Feb	30.03	66	31	36	---	0.00	27	PC	
24-Feb	29.86	73	35	45	---	0.00	9	PC	
25-Feb	29.71	73	45	50	49	0.00	43	PC;strong west winds;gusts => 50 mph	
26-Feb	29.96	56	29	35	---	0.00	19	PC	
27-Feb	30.07	72	35	44	---	0.00	10	PC	
28-Feb	30.30	62	31	39	---	0.00	23	clear	

February Totals and Averages

Max. Temp.	81 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	24 °	
Avg. High	68.8 °	
Avg. Low	38.1 °	
Avg. Temp	53.5 °	
Total RF	0.13 "	
Avg. RF (30 YR)	1.82 "	
Low RH	3 %	
Avg. Low RH	28.8 %	

Year To Date RF	2.96 "
Avg. RF (30 YR)	3.45 "

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DATE	B. P.	--TEMPERATURES--			RAIN	LOW			
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	COMMENTS	
01-Mar	30.26	61	24	33	---	0.00	17	clear	
02-Mar	30.40	70	31	41	---	0.00	4	PC	
03-Mar	30.21	65	30	42	---	0.00	21	PC	
04-Mar	29.90	76	42	51	48	0.00	14	PC	
05-Mar	30.22	89	44	46	---	0.00	4	PC;strong north winds;gusts => 30 mph	
06-Mar	30.40	63	26	33	---	0.00	8	PC	
07-Mar	30.19	65	33	48	38	0.00	7	cldy	
08-Mar	30.10	70	48	59	57	0.01	41	cldy;fog;occas. drizzle 2:00-10:00 AM	
09-Mar	29.89	66	59	63	---	0.01	83	cldy;fog;occas. drizzle 1:00-6:00 AM	
10-Mar	29.88	75	47	49	---	0.39	65	PC;T-storms/lt. RF midnight-2:00 AM	
11-Mar	30.15	61	28	39	---	0.00	29	clear	
12-Mar	30.11	71	33	34	---	0.00	14	clear	
13-Mar	30.36	79	34	42	42	0.00	8	PC	
14-Mar	30.36	78	42	53	46	0.00	22	MC	
15-Mar	30.21	78	53	55	---	0.00	25	MC	
16-Mar	29.93	80	53	54	---	0.00	30	MC	
17-Mar	29.79	85	54	63	62	0.00	28	cldy	
18-Mar	29.83	87	61	62	---	0.00	35	cldy;fog	
19-Mar	29.99	88	41	43	---	0.00	4	PC	
20-Mar	30.19	83	43	51	50	0.00	42	MC	
21-Mar	29.90	71	51	55	55	0.00	23	MC	
22-Mar	29.74	71	55	63	60	0.00	60	MC;T-Storm 7:00-8:00 PM;small hail (<= 0.5 inch diameter)	
23-Mar	29.74	89	54	55	---	0.11	35	cldy	
24-Mar	30.09	88	36	37	---	0.00	10	PC	
25-Mar	30.27	59	32	35	---	0.00	16	clear	
26-Mar	30.41	60	27	29	---	0.00	7	clear	
27-Mar	30.25	66	29	46	41	0.00	9	MC	
28-Mar	30.15	67	46	56	52	0.00	43	cldy	
29-Mar	30.14	68	56	59	---	0.00	64	MC	
30-Mar	30.08	75	59	60	---	0.03	53	cldy;occas. drizzle/lt. RF 5:00-8:00 AM	
31-Mar	29.94	82	60	64	63	0.00	45	cldy;T-Storms 4-5 PM;small hail;temp to mid 50's PM *	

March Totals and Averages

Max. Temp.	89 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	24 °	
Avg. High	73.7 °	* 1.01 inches RF recorded on 4/1/2013 actually occurred on afternoon of 3/31/2013
Avg. Low	42.9 °	
Avg. Temp	58.3 °	
Total RF	0.55 "	
Avg. RF (30 YR)	2.40 "	
Low RH	4 %	
Avg. Low RH	27.9 %	

Year To Date RF	3.51 "
Avg. RF (30 YR)	5.85 "

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-Apr	30.04	82	51	60	---	1.01	54	cldy; 1.01 inches RF actually occurred on afternoon of 3/31/2013
02-Apr	29.97	81	60	63	62	0.01	45	cldy;fog/drizzle 6:00-8:00 AM;T-Storms 10:00 PM-midnight
03-Apr	30.03	72	46	47	---	0.82	69	cldy;T-Storms midnight-1 AM;9-10 AM;occas. RF through 3 PM
04-Apr	30.19	49	42	43	---	0.47	87	cldy
05-Apr	30.24	67	36	40	---	0.00	43	clear
06-Apr	30.01	74	40	50	48	0.00	36	cldy
07-Apr	29.91	76	50	60	58	0.00	53	cldy
08-Apr	29.80	80	60	64	62	T	51	cldy;occas. lt. drizzle 6:00 AM-4:00 PM
09-Apr	29.70	75	64	67	---	0.01	73	cldy;lt. fog;occas. lt. drizzle 9:00-11:00 AM
10-Apr	29.85	87	41	41	---	0.03	40	cldy;lt. RF 7:00-8:00 AM
11-Apr	29.94	62	41	45	42	0.00	51	clear
12-Apr	29.97	74	38	44	---	0.00	23	clear
13-Apr	29.94	81	44	56	51	0.00	22	MC
14-Apr	29.76	78	56	60	---	0.00	24	cldy;lt. fog/mist
15-Apr	29.78	90	60	67	66	0.00	23	cldy
16-Apr	29.86	89	65	66	---	0.00	34	cldy;lt. fog/mist
17-Apr	29.85	88	66	71	70	0.00	46	cldy;fog/mist
18-Apr	29.87	80	53	53	---	0.08	68	cldy;lt. RF 6:00-7:00 AM
19-Apr	30.28	65	39	46	---	0.00	31	clear;breezy
20-Apr	30.19	68	36	49	---	0.00	11	PC
21-Apr	30.09	73	49	54	52	0.00	18	cldy
22-Apr	30.09	77	54	59	58	0.00	42	cldy
23-Apr	29.90	80	59	64	63	0.00	44	cldy;drizzle 1:00-2:00 PM
24-Apr	30.21	69	41	42	---	T	64	cldy;North wind
25-Apr	30.29	59	42	53	52	0.00	33	cldy
26-Apr	30.11	66	53	58	56	0.00	38	cldy;fog/mist
27-Apr	30.09	74	58	68	65	0.00	68	cldy;fog/mist;T-Storms 5:00-7:00 PM
28-Apr	30.04	85	58	61	---	0.12	48	PC
29-Apr	29.93	84	61	65	64	0.00	38	cldy
30-Apr	29.85	86	57	64	---	0.00	34	PC

April Totals and Averages

Max. Temp.	90 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	36 °	
Avg. High	75.7 °	
Avg. Low	50.7 °	
Avg. Temp	63.2 °	
Total RF	2.55 "	
Avg. RF (30 YR)	1.98 "	
Low RH	11 %	
Avg. Low RH	43.7 %	

Year To Date RF	6.06 "
Avg. RF (30 YR)	7.83 "

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-May	29.84	85	64	67	65	0.00	41	cldy;breezy
02-May	30.12	86	47	47	---	0.50	50	cldy;windy;T-Storms midnight-2:00 AM;lt. RF 4:00-5:00 AM
03-May	30.37	49	39	45	---	0.00	61	clear;breezy
04-May	30.06	67	33	45	---	0.00	16	clear
05-May	30.12	83	41	54	---	0.00	9	PC
06-May	30.13	79	45	55	---	0.00	20	PC
07-May	30.10	76	46	55	---	0.00	33	PC
08-May	30.00	84	55	63	63	0.00	24	cldy
09-May	29.95	79	63	67	66	0.00	55	lt. fog/mist;drizzle 11 AM-2 PM;T-Storms 10 PM-midnight;small hail
10-May	29.96	80	56	59	---	1.12	70	MC;T-Storms 5-7 AM;small hail;lt. RF 10 AM;T-Storms 6-8 PM
11-May	30.10	84	58	63	---	0.08	42	PC
12-May	30.24	79	51	55	---	0.00	39	PC
13-May	30.25	77	44	52	---	0.00	28	clear
14-May	30.21	84	52	63	58	0.00	28	cldy;T-Storms 11:00 PM-midnight
15-May	30.03	85	62	66	---	0.73	39	fog;T-Storms/lt. RF midnight-5:00 AM
16-May	29.84	87	66	70	69	0.00	51	cldy
17-May	29.88	92	70	72	71	0.00	44	cldy
18-May	29.93	94	69	72	---	0.00	44	cldy;lt. fog
19-May	29.87	92	69	70	---	0.00	45	cldy
20-May	29.85	90	70	71	---	0.00	52	cldy
21-May	29.82	91	69	72	---	0.00	47	cldy
22-May	29.92	85	55	63	---	0.00	59	clear
23-May	29.98	91	63	72	69	0.00	33	cldy;lt. fog
24-May	30.12	88	64	65	---	0.30	51	cldy;T-Storms 6:00-9:00 AM;10:00 AM-3:00 PM;6:00-10:00 PM
25-May	30.12	71	65	68	---	1.04	75	cldy;T-Storms 2:00-10:00 AM
26-May	30.09	79	64	68	---	0.31	68	cldy;T-Storms 10:00 AM-noon
27-May	29.99	81	68	69	---	0.85	79	cldy;drizzle 8:00 AM-noon
28-May	29.89	84	68	70	---	0.03	63	cldy
29-May	29.77	84	70	72	---	0.01	56	cldy;breezy;lt. RF 2:00-3:00 AM;lt. RF 10:00-11:00 AM
30-May	29.85	83	70	71	---	T	65	cldy;occas. drizzle 8:00 AM-2:00 PM
31-May	29.89	85	71	72	---	T	64	cldy

May Totals and Averages

Max. Temp.	94 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	33 °	
Avg. High	82.4 °	
Avg. Low	58.9 °	
Avg. Temp	70.7 °	
Total RF	4.97 "	
Avg. RF (30 YR)	3.98 "	
Low RH	9 %	
Avg. Low RH	46.8 %	

Year To Date RF	11.03 "
Avg. RF (30 YR)	11.81 "

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DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2013	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Jun	29.87	90	72	73	---	0.00	63	cldy
02-Jun	30.04	93	67	68	---	0.01	51	MC;T-Showers 5:00-6:00 AM
03-Jun	30.01	86	58	67	---	0.00	32	PC
04-Jun	29.91	90	67	69	---	0.00	48	clear
05-Jun	29.89	92	65	70	---	0.00	38	MC
06-Jun	29.91	93	66	70	---	0.00	40	PC
07-Jun	29.99	95	66	69	---	0.00	36	PC;lt. RF 9:00-10:00 AM
08-Jun	29.97	79	56	66	---	T	49	PC
09-Jun	29.99	87	66	71	68	T	54	cldy;lt. RF 5:00-6:00 AM;T-Storms 5:00-7:00 PM;small hail
10-Jun	30.01	92	64	70	---	0.98	46	cldy;lt. fog
11-Jun	30.03	91	70	72	---	0.00	39	PC
12-Jun	30.04	91	71	73	---	0.00	46	MC;T-Storms in area 7:00-8:00 PM
13-Jun	30.06	90	72	74	---	T	51	MC;T-Storms 3:00-4:00 PM
14-Jun	30.01	88	71	73	---	0.12	56	MC;T-Storms 7:00-10:00 PM
15-Jun	30.02	80	72	73	---	0.15	72	cldy;lt. RF 5:00-7:00 AM;drizzle/lt. RF 10:00-11:00 AM
16-Jun	30.04	86	72	73	---	T	59	MC
17-Jun	30.00	90	72	74	---	0.00	48	PC
18-Jun	30.00	91	68	70	---	0.74	50	MC;T-Storms 4:00-5:00 AM
19-Jun	30.01	91	70	73	---	0.00	39	MC
20-Jun	30.01	92	70	73	---	0.00	29	MC
21-Jun	30.07	90	73	74	---	0.00	40	MC
22-Jun	30.06	90	72	73	---	0.00	36	cldy
23-Jun	30.01	91	70	73	---	0.00	35	MC
24-Jun	30.03	90	71	74	---	0.00	36	cldy
25-Jun	30.00	93	74	75	---	0.00	36	MC
26-Jun	29.98	93	74	74	---	0.00	36	cldy;lt. fog/mist
27-Jun	30.03	95	71	74	---	0.00	38	PC
28-Jun	30.08	99	70	73	---	0.00	26	MC
29-Jun	29.95	102	66	74	---	0.00	25	PC
30-Jun	30.06	106	67	67	---	0.45	20	cldy;T-Storms 7:00-11:00 AM *

June Totals and Averages

Max. Temp.	106 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded. * 0.33 inches RF recorded on 7-1-2013 actually occurred after 8 AM on 6-30-2013
Min. Temp.	56 °	
Avg. High	91.2 °	
Avg. Low	68.8 °	
Avg. Temp	80.0 °	
Total RF	2.45 "	
Avg. RF (30 YR)	3.59 "	
Low RH	20 %	106 degrees is record high temperature for June
Avg. Low RH	42.5 %	

Year To Date RF	13.48 "
Avg. RF (30 YR)	15.40 "

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01-Jul	30.04	81	66	72	---	0.33	45	PC *	
02-Jul	30.10	82	55	63	---	0.00	37	clear	
03-Jul	30.08	88	55	64	---	0.00	19	clear	
04-Jul	30.02	92	60	67	---	0.00	17	PC	
05-Jul	30.02	91	64	68	---	0.00	24	MC	
06-Jul	29.98	94	66	73	---	0.00	24	MC	
07-Jul	30.01	93	68	74	---	0.00	30	PC	
08-Jul	30.08	94	72	74	---	0.00	38	cldy	
09-Jul	30.12	85	72	74	---	0.00	39	PC	
10-Jul	30.11	94	73	75	---	0.00	36	MC	
11-Jul	30.03	97	72	74	---	0.00	28	cldy	
12-Jul	29.99	98	69	73	---	0.00	31	PC	
13-Jul	30.03	96	66	73	---	0.00	20	PC	
14-Jul	29.95	98	70	75	---	0.00	23	MC	
15-Jul	29.95	98	70	70	---	0.00	21	cldy;occas. drizzle/lt. RF 11:00 AM-6:00 PM	
16-Jul	30.05	76	69	73	---	0.08	74	MC;lt. RF 10:00-10:20 AM;2:00-2:15 PM	
17-Jul	30.16	82	69	70	---	0.61	59	MC;RF 1:00-3:00 AM;12:30-1:00 PM	
18-Jul	30.17	83	69	72	---	0.04	60	cldy;drizzle/lt. RF 6:00-10:00 AM	
19-Jul	30.09	89	67	71	---	0.04	47	PC	
20-Jul	30.03	94	69	73	---	0.00	41	cldy	
21-Jul	29.99	92	72	76	---	0.00	38	PC	
22-Jul	30.02	94	74	76	---	0.00	49	cldy	
23-Jul	30.00	95	76	76	---	0.00	40	cldy	
24-Jul	30.02	96	73	75	---	0.00	31	MC	
25-Jul	30.03	95	73	75	---	0.00	32	PC	
26-Jul	30.03	98	73	75	---	0.00	24	PC	
27-Jul	30.02	99	72	77	---	0.00	28	PC	
28-Jul	29.98	91	66	74	---	0.00	39	PC	
29-Jul	30.00	98	74	76	75	0.00	34	cldy	
30-Jul	30.10	97	74	76	---	0.00	23	cldy	
31-Jul	30.10	98	71	73	---	0.00	27	PC	

July Totals and Averages

Max. Temp.	99 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded. * 0.33 inches RF recorded on 7-1-2013 actually occurred after 8 AM on 6-30-2013
Min. Temp.	55 °	
Avg. High	92.2 °	
Avg. Low	69.0 °	
Avg. Temp	80.6 °	
Total RF	1.10 "	
Avg. RF (30 YR)	2.83 "	
Low RH	17 %	
Avg. Low RH	34.8 %	
Year To Date RF	14.58 "	
Avg. RF (30 YR)	18.23 "	

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

DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM ONL	FALL	RH		
01-Aug	30.05	101	73	76	---	0.00	16	PC
02-Aug	30.00	101	71	72	---	0.00	25	PC
03-Aug	30.05	101	72	73	---	0.00	17	MC
04-Aug	30.10	99	73	75	---	0.00	20	MC
05-Aug	30.07	99	72	74	---	0.00	32	MC
06-Aug	29.99	99	72	74	---	0.00	25	cldy
07-Aug	29.92	100	74	75	---	0.00	22	cldy
08-Aug	29.92	103	73	74	---	0.00	20	PC
09-Aug	29.94	101	71	73	---	0.00	22	PC
10-Aug	30.08	103	69	74	---	0.00	14	PC
11-Aug	30.12	99	70	74	---	0.00	18	PC
12-Aug	30.09	97	71	73	---	0.00	32	PC
13-Aug	30.04	96	72	75	---	0.00	34	PC
14-Aug	30.02	100	74	76	---	0.00	24	PC
15-Aug	30.00	101	71	77	---	0.00	20	PC;T-Showers 2:00-4:00 PM;8:00-9:00 PM
16-Aug	30.04	94	66	71	---	1.48	36	clear
17-Aug	30.08	94	65	69	---	0.00	20	PC
18-Aug	30.08	94	61	67	---	0.00	19	PC
19-Aug	30.06	96	67	69	---	0.00	24	PC
20-Aug	30.02	92	64	68	---	0.00	28	clear
21-Aug	30.10	93	68	73	70	0.00	22	PC
22-Aug	30.08	95	68	72	---	0.00	27	PC
23-Aug	30.03	93	69	71	---	0.00	33	PC
24-Aug	30.08	94	69	72	---	0.00	32	PC
25-Aug	30.13	95	68	72	---	0.00	29	PC
26-Aug	30.11	94	71	74	---	0.00	29	MC;lt. RF 11:00 AM-Noon
27-Aug	30.09	89	70	72	---	0.45	43	cldy;occas. lt. RF 2:00-5:00 AM
28-Aug	30.13	85	69	70	---	0.00	47	PC
29-Aug	30.15	94	70	73	---	0.00	31	PC
30-Aug	30.04	96	66	69	---	0.00	25	PC
31-Aug	30.00	99	67	72	---	0.00	24	PC

August Totals and Averages

Max. Temp.	103 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	61 °	
Avg. High	96.7 °	
Avg. Low	69.5 °	
Avg. Temp	83.1 °	
Total RF	1.93 "	
Avg. RF (30 YR)	1.63 "	
Low RH	14 %	
Avg. Low RH	26.1 %	
Year To Date RF	16.51 "	
Avg. RF (30 YR)	19.86 "	

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-Sep	29.97	100	72	74	---	0.00	26	PC
02-Sep	30.00	98	74	76	---	0.00	26	PC;T-showers 10:00 PM-midnight
03-Sep	30.00	94	66	69	---	0.15	38	PC;fog early AM;T-showers midnight-1:00 AM
04-Sep	30.04	98	68	73	---	0.00	24	MC
05-Sep	30.09	96	68	71	---	0.00	33	PC
06-Sep	30.11	95	68	70	---	0.00	32	PC
07-Sep	30.07	94	67	69	---	0.00	35	PC;lt. RF 8:00-9:00 PM
08-Sep	30.02	95	69	71	---	0.20	32	PC;occas. T-Storms 2:00-7:00 PM
09-Sep	29.99	85	66	70	---	0.85	48	MC;lt. fog;T-Showers 5:00-8:00 PM
10-Sep	30.01	88	70	71	---	0.29	43	MC;RF 9:00AM-Noon;2:00-3:00 PM
11-Sep	30.08	81	70	71	---	0.67	69	cldy;lt. fog;lt. RF 1:00-2:00 PM
12-Sep	30.05	86	66	70	---	0.33	47	cldy;lt. fog
13-Sep	29.99	89	67	70	---	0.00	37	clear
14-Sep	29.96	90	62	65	---	0.00	29	clear
15-Sep	30.02	91	65	69	67	0.00	32	PC
16-Sep	30.03	88	68	71	---	0.00	44	MC;occas. lt. RF 2:00-5:00 PM
17-Sep	30.05	87	69	69	---	0.08	58	cldy
18-Sep	30.01	85	69	72	71	0.00	58	cldy;lt. fog
19-Sep	29.93	88	72	72	---	0.00	53	cldy;occas. lt. RF 3:00-4:00 PM;T-Showers 6:00-10:00 PM
20-Sep	29.84	86	71	73	---	0.51	56	cldy;lt. RF 1:00-3:00 AM;occas. lt. RF Noon-7:00 PM
21-Sep	29.96	76	64	66	---	0.27	88	cldy
22-Sep	29.93	81	47	50	---	0.00	33	clear
23-Sep	29.83	84	48	52	---	0.00	23	clear
24-Sep	29.91	89	52	58	54	0.00	25	clear
25-Sep	29.91	94	58	62	60	0.00	22	PC
26-Sep	29.88	92	61	68	---	0.00	31	cldy
27-Sep	29.94	90	68	74	72	0.00	30	cldy
28-Sep	29.96	88	74	75	---	0.00	49	MC
29-Sep	30.08	85	61	62	---	0.09	60	PC
30-Sep	29.93	77	50	51	---	0.00	50	clear

September Totals and Averages

Max. Temp.	100 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	47 °	
Avg. High	89.0 °	
Avg. Low	65.0 °	
Avg. Temp	77.0 °	
Total RF	3.44 "	
Avg. RF (30 YR)	3.68 "	
Low RH	22 %	
Avg. Low RH	41.0 %	

Year To Date RF	19.95 "
Avg. RF (30 YR)	23.54 "

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

DATE	B. P.	--TEMPERATURES--				RAIN	LOW	
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	COMMENTS
01-Oct	29.89	91	51	70	59	0.00	26	cldy;fog
02-Oct	-----	90	70	71	---	-----	---	some missing data due to government shutdown
03-Oct	-----	90	69	70	---	-----	---	some missing data due to government shutdown
04-Oct	-----	91	70	70	---	-----	---	some missing data due to government shutdown
05-Oct	-----	90	69	70	---	-----	---	some missing data due to government shutdown
06-Oct	-----	85	46	48	---	-----	---	some missing data due to government shutdown
07-Oct	-----	78	41	42	---	-----	---	some missing data due to government shutdown
08-Oct	-----	86	42	46	45	-----	---	some missing data due to government shutdown
09-Oct	-----	85	46	55	55	-----	---	some missing data due to government shutdown
10-Oct	-----	84	55	65	65	-----	---	some missing data due to government shutdown
11-Oct	-----	85	65	72	69	-----	---	some missing data due to government shutdown
12-Oct	-----	87	72	73	---	-----	---	some missing data due to government shutdown
13-Oct	-----	89	67	68	---	-----	---	some missing data due to government shutdown
14-Oct	-----	71	68	69	---	-----	---	some missing data due to government shutdown
15-Oct	-----	83	69	70	---	-----	---	some missing data due to government shutdown
16-Oct	-----	76	49	49	---	-----	---	some missing data due to government shutdown
17-Oct	30.11	57	45	45	---	3.38	86	PC;rainfall is for October 2 through October 17
18-Oct	29.99	75	45	58	55	0.00	44	cldy
19-Oct	30.18	73	42	43	---	0.00	58	PC
20-Oct	30.06	69	39	40	---	0.00	28	clear
21-Oct	29.94	73	40	62	52	0.00	37	cldy;lt. fog
22-Oct	30.13	80	48	49	---	0.00	42	PC
23-Oct	30.15	74	39	39	---	0.00	21	clear
24-Oct	30.19	80	39	42	---	0.00	21	PC
25-Oct	30.26	80	42	46	46	0.00	27	PC
26-Oct	30.17	78	46	63	62	0.00	39	cldy
27-Oct	30.09	78	63	65	---	0.00	50	cldy
28-Oct	30.01	82	65	67	---	0.00	40	cldy
29-Oct	30.02	79	67	69	---	0.01	50	cldy;occas. lt. drizzle 3:00-5:00 AM
30-Oct	29.95	81	69	71	---	0.03	54	cldy;occas. drizzle/lt. RF midnight-8 AM;lt. RF 3-4 PM;Thunder
31-Oct	29.83	79	64	64	---	0.12	68	MC;occas.T-Showers/RF midnight-7:00 AM

October Totals and Averages

Max. Temp.	91 °
Min. Temp.	39 °
Avg. High	80.6 °
Avg. Low	54.9 °
Avg. Temp	67.8 °
Total RF	3.54 "
Avg. RF (30 YR)	3.41 "
Low RH	21 %
Avg. Low RH	43.2 %

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

Year To Date RF	23.49 "
Avg. RF (30 YR)	26.95 "

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-Nov	29.94	78	39	42	---	0.00	18	clear
02-Nov	30.32	80	42	44	---	0.00	17	PC
03-Nov	30.17	72	36	37	---	0.00	22	clear;drizzle/lt. RF 7:00-8:00 PM
04-Nov	30.01	72	37	58	57	0.02	27	cldy;occas. drizzle/lt. RF 6:00 AM-2:00 PM
05-Nov	29.99	65	58	65	62	0.06	75	cldy;occas. drizzle/lt. RF 7:00 AM-10:00 AM
06-Nov	30.10	72	56	56	---	0.23	80	cldy;occas. RF 2:00-5:00 AM;8:00-10:00 AM
07-Nov	30.42	60	36	39	---	0.07	52	PC
08-Nov	30.32	64	39	48	44	0.00	26	PC
09-Nov	30.17	63	48	52	51	T	41	cldy
10-Nov	30.27	67	51	58	---	0.00	70	cldy;lt. fog
11-Nov	30.28	64	44	48	---	0.00	83	cldy;lt. fog
12-Nov	30.42	74	48	57	51	0.00	54	MC;lt. fog after 9:00 AM
13-Nov	30.58	57	26	33	---	0.00	49	clear;first freeze of season
14-Nov	30.22	58	27	35	---	0.00	32	clear
15-Nov	30.00	62	35	54	49	0.00	32	PC
16-Nov	29.93	79	54	62	57	0.00	42	cldy
17-Nov	29.88	73	62	68	67	0.00	70	MC
18-Nov	30.09	87	45	56	---	0.00	23	PC
19-Nov	30.10	81	49	54	---	0.00	42	PC
20-Nov	29.97	74	54	58	56	T	40	cldy;lt. fog/mist;occas.lt. drizzle 4:00-11:00 AM
21-Nov	29.96	69	58	69	67	0.02	79	cldy;occas. drizzle 3:00-6:00 AM
22-Nov	30.27	75	35	35	---	0.53	80	cldy;lt. fog;T-Storms 2:00-5:00 AM;lt. RF 3:00-4:00 PM
23-Nov	30.44	35	31	32	---	0.08	90	cldy;occas. drizzle 10:00 AM-5:00 PM
24-Nov	30.41	36	32	33	---	0.24	88	cldy;occas. drizzle/lt. RF 6:00 AM-11:00 PM
25-Nov	30.12	35	32	34	---	0.40	84	cldy;occas drizzle/RF 3:00-11:00 AM
26-Nov	30.21	39	33	33	---	0.08	84	cdly;lt. snow 7:30-8:00 AM (Trace)
27-Nov	30.40	48	29	33	---	0.00	42	clear
28-Nov	30.34	50	26	28	---	0.00	25	clear
29-Nov	30.42	56	25	31	---	0.00	25	clear
30-Nov	30.31	60	31	51	49	0.00	51	MC

November Totals and Averages

Max. Temp.	87 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	25 °	
Avg. High	63.5 °	
Avg. Low	40.6 °	
Avg. Temp	52.1 °	
Total RF	1.73 "	
Avg. RF (30 YR)	2.32 "	
Low RH	17 %	
Avg. Low RH	51.4 %	
Year To Date RF	25.22 "	
Avg. RF (30 YR)	29.27 "	

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DATE	B. P.	--TEMPERATURES--				RAIN	LOW	COMMENTS
2013	8 AM	HI	LO	8AM	ONL	FALL	RH	
01-Dec	30.15	62	51	57	54	0.00	63	MC
02-Dec	29.91	68	48	50	---	0.00	59	PC;lt. fog
03-Dec	29.73	80	39	44	---	0.00	17	PC
04-Dec	29.74	83	44	50	45	0.00	14	cldy
05-Dec	29.78	80	39	39	---	0.00	42	cldy;occas. drizzle 9:00 PM-midnight
06-Dec	30.17	39	27	28	---	0.05	60	cldy;occas. drizzle/freezing drizzle midnight-8:00 AM
07-Dec	30.42	31	21	22	---	0.00	77	cldy
08-Dec	30.12	30	22	29	27	0.00	65	cldy
09-Dec	30.07	58	29	40	31	0.02	39	cldy;lt. fog/mist;occas. lt. drizzle 2:00 AM-7:00 PM
10-Dec	30.44	43	24	25	---	0.06	87	clear
11-Dec	30.30	49	24	29	---	0.00	28	PC
12-Dec	30.55	60	29	30	---	0.00	28	MC
13-Dec	30.10	54	30	42	42	T	37	cldy;occas. drizzle 7:00 AM-6:00 PM
14-Dec	30.03	51	32	41	---	0.04	60	PC
15-Dec	30.37	54	23	26	---	0.00	34	clear
16-Dec	30.27	62	24	28	---	0.00	20	clear
17-Dec	30.30	69	28	31	---	0.00	27	PC
18-Dec	30.26	72	31	42	---	0.00	25	cldy
19-Dec	29.98	67	42	58	55	0.00	42	cldy
20-Dec	29.83	66	58	62	60	0.00	60	cldy
21-Dec	29.62	67	43	45	---	0.14	70	cldy;T-Storms 7:00-11:00 AM
22-Dec	30.01	67	33	40	---	0.45	24	PC
23-Dec	30.42	53	24	27	---	0.00	43	clear
24-Dec	30.45	56	23	26	---	0.00	20	clear
25-Dec	30.25	58	26	35	34	0.00	27	cldy;lt. fog early AM
26-Dec	30.38	59	31	33	---	0.00	52	cldy;fog;lt. drizzle 6:00-8:00 PM
27-Dec	30.36	58	33	44	44	0.01	42	cldy;lt. fog;occas. drizzle 1:00-11:00 AM
28-Dec	30.23	54	38	41	---	T	54	cldy;lt. fog
29-Dec	30.03	60	41	49	48	0.00	50	cldy
30-Dec	30.25	62	26	28	---	0.00	52	PC
31-Dec	30.40	50	28	30	---	0.00	36	PC

December Totals and Averages

Max. Temp.	83 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	21 °	
Avg. High	58.8 °	
Avg. Low	32.6 °	
Avg. Temp	45.7 °	
Total RF	0.77 "	
Avg. RF (30 YR)	1.91 "	
Low RH	14 %	
Avg. Low RH	43.7 %	
Year To Date RF	25.99 "	
Avg. RF (30 YR)	31.18 "	