

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

DATE	B. P.	--TEMPERATURES--				RAIN	LOW		
2002	8 AM	HI	LO	8AM	ONL	FALL	RH	COMMENTS	
01-Jan	30.30	46	29	30	---	0.00	42	PC;lt. snow flurries 7:00-10:00 PM	
02-Jan	30.38	35	29	31	---	T	66	cldy	
03-Jan	30.23	40	15	18	---	0.00	41	clear	
04-Jan	30.15	48	18	30	27	0.00	35	MC;drizzle/lt. RF 3:00 PM-midnight	
05-Jan	30.13	50	30	45	44	0.06	57	MC;drizzle/lt. RF midnight-7:00 AM	
06-Jan	30.20	52	25	27	---	0.00	48	clear	
07-Jan	30.37	64	23	28	---	0.00	17	clear	
08-Jan	30.25	65	28	33	---	0.00	15	clear	
09-Jan	30.10	67	33	38	---	0.00	29	patchy fog	
10-Jan	29.98	73	38	53	49	0.00	25	dense fog	
11-Jan	30.22	68	44	44	---	0.00	41	cldy	
12-Jan	30.20	58	28	31	---	0.00	27	clear	
13-Jan	30.12	65	24	28	---	0.00	16	clear	
14-Jan	30.08	68	28	42	32	0.00	16	clear	
15-Jan	30.20	65	27	33	---	0.00	17	clear	
16-Jan	30.09	65	33	55	49	0.00	23	cldy	
17-Jan	30.04	67	44	59	---	0.01	65	fog;drizzle 4:00 AM-2:00 PM	
18-Jan	30.04	70	41	43	---	0.01	69	cldy;lt. fog/haze	
19-Jan	30.06	55	43	50	48	0.01	90	cldy;lt. fog/drizzle 4:00 AM-7:00 AM	
20-Jan	30.10	57	33	40	---	0.00	19	PC	
21-Jan	30.12	63	27	33	---	0.00	42	PC;lt. haze	
22-Jan	30.01	71	33	56	47	0.00	8	dense fog AM;drizzle/lt. RF 11:00 AM-1:00 PM	
23-Jan	29.89	69	53	64	---	0.01	76	lt. fog;drizzle 3:00 AM-10:00 AM	
24-Jan	29.98	77	39	39	---	0.06	52	lt. fog;drizzle/lt. RF 2:00 AM-8:00 AM	
25-Jan	30.34	55	29	34	---	0.00	36	clear	
26-Jan	30.25	62	25	31	---	0.00	11	clear	
27-Jan	30.20	61	31	36	---	0.00	20	PC	
28-Jan	30.05	71	36	57	50	T	37	dense fog;lt. drizzle early AM	
29-Jan	29.94	75	57	64	64	0.00	59	cldy;windy	
30-Jan	29.87	78	64	65	---	0.00	53	cldy;lt. haze;drizzle 9A-1P;lt. RF 9P-MN;thunder	
31-Jan	30.00	69	45	45	---	0.22	86	MC;occas. lt. RF midnight-6:00 AM;thunder	

January Totals and Averages

Max. Temp.	78 °
Min. Temp.	15 °
Avg. High	62.2 °
Avg. Low	33.9 °
Avg. Temp	48.1 °
Total RF	0.38 "
Avg. RF (30 YR)	1.42 "
Low RH	8 %
Avg. Low RH	39.9 %
Avg. Soil Temp	49.6 °
Year To Date RF	0.38 "
Avg. RF (30 YR)	1.42 "

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

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DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Feb	30.42	61	31	33	---	0.00	23	PC
02-Feb	30.38	53	27	33	---	0.00	15	PC
03-Feb	30.38	57	33	43	42	0.00	18	MC
04-Feb	30.36	59	43	44	---	T	42	cldy;occas. drizzle/lt. RF 7:00 AM-9:00 AM
05-Feb	30.19	51	40	41	---	0.01	56	drizzle/lt. RF-5:00 AM-midnight (intermittent)
06-Feb	30.14	42	38	39	---	0.35	95	cldy;occas. drizzle thru 5:00 AM
07-Feb	30.28	53	26	30	---	0.00	32	clear
08-Feb	30.27	65	27	33	---	0.00	12	lt. haze
09-Feb	30.21	66	33	46	44	0.00	24	PC
10-Feb	30.38	68	40	41	---	0.00	13	high thin clouds
11-Feb	30.50	53	24	29	---	0.00	30	clear
12-Feb	30.18	59	26	33	---	0.00	20	clear
13-Feb	30.25	68	29	39	---	0.00	26	clear
14-Feb	30.26	58	28	33	---	0.00	48	PC;lt. haze
15-Feb	30.09	66	33	48	44	0.00	30	PC;lt. patchy fog
16-Feb	30.05	64	30	35	---	0.00	32	clear
17-Feb	30.03	64	28	35	---	0.00	19	clear
18-Feb	29.98	66	35	54	60	T	22	cldy;occas. drizzle/lt. RF midnight-noon
19-Feb	-----	64	54	61	60	0.08	98	MC
20-Feb	-----	75	34	43	---	0.00	10	PC
21-Feb	-----	76	34	43	---	0.00	14	PC
22-Feb	-----	74	35	40	---	0.00	26	PC
23-Feb	-----	65	27	36	---	0.00	25	clear
24-Feb	-----	74	36	50	43	0.00	19	PC
25-Feb	30.07	77	50	57	57	0.00	34	PC;41 deg. by midnight
26-Feb	30.45	73	26	26	---	0.00	23	cldy;18 deg. by midnight
27-Feb	30.37	40	10	20	---	0.00	28	few lt. clouds; * new record low temp for Feb. 27
28-Feb	30.19	51	20	33	25	0.00	17	PC;cldy PM;occas lt. drizzle 8:00 PM-midnight

February Totals and Averages

Max. Temp.	77 °
Min. Temp.	10 °
Avg. High	62.2 °
Avg. Low	32.0 °
Avg. Temp	47.1 °
Total RF	0.44 "
Avg. RF (30 YR)	1.84 "
Low RH	10 %
Avg. Low RH	30.4 %
Avg. Soil Temp	50.7 °

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

Year To Date RF	0.82 "	10 degrees - - -
Avg. RF (30 YR)	3.26 "	record low temperature for Feb. 27

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DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Mar	29.86	57	33	48	44	0.01	50	fog;occas. drizzle midnight-10:00 AM
02-Mar	30.03	69	25	25	---	T	52	PC;windy
03-Mar	30.15	43	20	25	---	0.00	30	clear;windy
04-Mar	30.49	45	11	24	---	0.00	15	clear; record low temp. for Mar. 4
05-Mar	30.34	56	19	33	---	0.00	9	clear
06-Mar	30.12	62	33	53	49	0.00	34	cldy;lt. haze
07-Mar	30.03	72	53	58	57	T	40	fog;lt. drizzle 4:00 AM-11:00 AM
08-Mar	29.90	71	58	60	---	T	50	fog;lt. drizzle 5:00 AM-1:00 PM
09-Mar	29.92	70	44	45	---	0.01	74	PC;windy
10-Mar	30.01	60	35	42	---	0.00	10	PC;T-Shower 1:00-2:00 PM
11-Mar	30.05	55	42	44	---	0.04	16	lt. haze;lt. drizzle 6:00 AM-10:00 AM
12-Mar	30.09	71	42	50	---	T	50	PC
13-Mar	29.96	81	43	56	---	0.00	8	clear
14-Mar	29.76	84	56	60	---	0.00	15	PC;lt. fog/haze
15-Mar	29.77	85	60	63	61	0.00	26	cldy;hazy
16-Mar	29.85	78	48	51	---	0.00	30	PC
17-Mar	29.94	77	51	63	57	0.00	32	MC;hazy
18-Mar	29.93	79	63	64	---	0.02	46	fog/lt. drizzle 3-11 AM, then occas. thru midnight
19-Mar	29.84	69	64	64	---	0.04	96	lt. haze;occas drizzle all day/night;T-Storms 7-8 P
20-Mar	30.09	69	50	51	---	0.79	86	MC;breezy;occas. lt. drizzle midnight-9 AM
21-Mar	30.31	58	34	43	---	T	70	Mostly clear;patchy fog
22-Mar	30.50	71	30	34	---	0.00	12	Mostly clear;breezy
23-Mar	30.41	62	34	47	36	0.00	26	PC
24-Mar	30.20	69	47	61	57	0.00	40	MC
25-Mar	29.86	81	61	63	---	T	33	lt. fog/drizzle 4 AM-10 AM;46 deg. by 1 PM
26-Mar	30.26	65	33	38	---	T	58	clear
27-Mar	30.19	66	36	48	---	0.00	22	PC
28-Mar	30.00	71	48	60	57	0.00	24	cldy
29-Mar	29.90	84	60	65	64	0.00	30	cldy;lt. fog
30-Mar	29.98	76	61	62	---	0.19	64	MC;T-Storm 7:00-7:30 PM
31-Mar	30.05	79	51	56	---	0.00	12	PC

March Totals and Averages

Max. Temp.	85 °	NOTE: Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded.
Min. Temp.	11 °	
Avg. High	68.9 °	
Avg. Low	43.4 °	
Avg. Temp	56.2 °	
Total RF	1.10 "	
Avg. RF (30 YR)	2.16 "	
Low RH	8 %	
Avg. Low RH	37.4 %	
Avg. Soil Temp	58.1 °	
Year To Date RF	1.92 "	11 degrees - - -
Avg. RF (30 YR)	5.42 "	record low temperature for Mar. 4

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DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Apr	30.10	72	43	52	---	0.00	42	PC
02-Apr	30.10	79	52	61	57	0.00	30	MC
03-Apr	30.21	84	50	51	---	0.00	26	cldy
04-Apr	30.28	58	50	51	---	0.00	30	cldy
05-Apr	30.28	61	51	63	---	0.00	42	cldy
06-Apr	30.10	67	51	52	---	0.02	42	intermittent drizzle/lt. RF 5 AM-midnight;DT HI=54
07-Apr	29.95	64	52	64	64	0.18	94	cldy;lt. drizzle thru 8 AM;T-Storms 7-9 PM
08-Apr	29.75	78	48	51	---	0.27	55	patchy fog
09-Apr	30.16	85	51	55	53	0.00	14	PC
10-Apr	30.28	77	45	50	---	0.00	30	PC;lt. fog
11-Apr	30.12	78	50	59	58	0.00	29	cldy
12-Apr	30.06	78	59	63	60	0.00	45	cldy;lt. haze
13-Apr	30.05	84	63	65	64	0.00	37	MC
14-Apr	29.98	83	59	61	---	0.68	38	MC;T-Showers 2:00-3:00 AM
15-Apr	29.90	80	61	67	66	0.00	43	cldy
16-Apr	29.92	80	62	64	---	0.36	52	PC;T-Storms 3:00-5:00 AM
17-Apr	30.08	85	64	70	65	0.00	40	cldy;hazy
18-Apr	30.08	84	68	69	---	0.00	45	MC;hazy;sprinkles 3:30 PM;trace of RF 10:00 PM
19-Apr	30.02	84	66	67	---	T	48	cldy
20-Apr	29.98	81	67	68	---	0.00	46	MC
21-Apr	30.02	84	67	68	---	0.00	42	MC
22-Apr	30.10	78	68	69	---	0.00	66	cldy;lt. fog/haze
23-Apr	30.03	82	66	67	---	0.00	44	MC
24-Apr	30.00	86	66	68	---	0.00	31	MC;lt. fog/haze
25-Apr	30.14	89	68	70	70	0.00	40	cldy;fog;drizzle 8:30-10:00 AM
26-Apr	30.05	81	68	69	---	0.03	52	MC;lt. drizzle early AM
27-Apr	30.05	83	69	70	---	0.00	42	MC
28-Apr	30.04	91	68	71	---	0.00	30	PC;lt. haze
29-Apr	30.04	92	68	70	---	0.00	35	PC;lt. fog/haze
30-Apr	29.90	90	65	66	---	0.00	41	MC

April Totals and Averages

Max. Temp.	92 °
Min. Temp.	43 °
Avg. High	79.9 °
Avg. Low	59.5 °
Avg. Temp	69.7 °
Total RF	1.54 "
Avg. RF (30 YR)	2.25 "
Low RH	14 %
Avg. Low RH	41.7 %
Avg. Soil Temp	70.2 °
Year To Date RF	3.46 "
Avg. RF (30 YR)	7.67 "

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

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DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-May	29.73	90	66	69	68	0.00	26	PC;lt. haze
02-May	29.74	93	68	70	---	0.00	30	MC;lt. haze;lt. RF 5:30-6:30 PM;Thunder
03-May	29.86	91	66	66	---	T	38	cldy;lt. fog/drizzle 7:00 AM-8:00 AM
04-May	29.92	86	58	67	---	0.00	20	PC;lt. haze
05-May	29.95	86	67	72	69	0.00	48	PC
06-May	30.02	89	72	73	---	0.00	36	PC
07-May	29.93	89	70	72	---	0.00	36	cldy
08-May	29.85	89	71	73	---	0.00	40	cldy;hazy
09-May	29.91	90	72	73	---	0.00	36	cldy;hazy
10-May	30.02	92	72	73	---	0.00	36	MC;hazy
11-May	30.08	88	72	74	---	0.00	34	PC
12-May	30.12	89	74	74	---	0.00	33	PC
13-May	30.29	88	56	56	---	0.00	43	cldy
14-May	30.20	77	54	58	---	0.00	20	PC
15-May	30.04	80	58	62	---	0.00	22	MC
16-May	29.94	85	62	71	69	0.00	34	MC
17-May	29.87	90	64	68	---	0.06	37	MC;lt. RF 6-7 A;T-Storms 3:30-4 P,then lt. RF
18-May	29.95	92	57	58	---	0.28	32	PC
19-May	30.10	80	48	56	---	0.00	18	PC
20-May	30.19	79	47	59	---	0.00	19	PC
21-May	30.15	79	55	60	---	0.00	26	MC;hazy
22-May	30.03	80	60	65	63	0.00	30	cldy;lt. haze
23-May	29.93	84	65	69	67	0.00	35	MC
24-May	29.96	83	69	69	---	0.00	40	cldy;hazy
25-May	29.95	83	68	68	---	0.04	48	cldy;lt. RF 6:00-10:00 AM
26-May	29.98	88	62	67	---	1.81	35	PC;T-Storms 2:00-4:00 AM
27-May	29.99	86	67	69	---	0.00	38	PC
28-May	29.92	87	63	65	---	0.49	35	MC;T-Storms 12:15-1:30 AM
29-May	29.94	80	65	69	---	0.00	64	cldy
30-May	29.85	91	61	65	---	0.00	28	PC;lt.fog
31-May	29.98	87	63	68	---	0.00	30	lt. fog

May Totals and Averages

Max. Temp.	93 °
Min. Temp.	47 °
Avg. High	86.2 °
Avg. Low	63.6 °
Avg. Temp	74.9 °
Total RF	2.68 "
Avg. RF (30 YR)	4.38 "
Low RH	18 %
Avg. Low RH	33.8 %
Avg. Soil Temp	79.6 °
Year To Date RF	6.14 "
Avg. RF (30 YR)	12.05 "

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

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DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2002	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Jun	30.01	87	60	68	---	0.00	30	PC
02-Jun	30.02	88	62	69	---	0.00	30	PC
03-Jun	29.89	89	69	71	---	0.00	30	MC
04-Jun	29.89	90	71	74	72	T	34	MC;sprinkles 7-8 AM
05-Jun	29.97	91	70	71	---	0.06	36	PC;lt. fog;lt. RF 5-6 AM
06-Jun	30.02	91	69	71	---	0.00	32	PC;lt. haze;sprinkles 3-4 PM
07-Jun	29.99	89	69	72	---	T	38	MC
08-Jun	29.97	90	70	73	---	0.00	38	MC
09-Jun	29.94	90	73	76	---	0.00	28	MC
10-Jun	29.88	93	74	75	---	0.00	35	MC
11-Jun	29.89	91	72	74	---	0.00	38	PC;lt. fog
12-Jun	29.92	92	72	74	---	0.00	40	PC
13-Jun	29.90	95	71	74	---	0.00	29	PC
14-Jun	30.00	97	71	76	---	0.00	28	PC
15-Jun	30.02	95	70	74	---	0.00	30	PC;lt. RF 3:30-4:00 PM
16-Jun	30.02	88	65	68	---	0.09	41	PC;lt. RF 3:00-4:00 AM
17-Jun	30.00	89	60	69	---	0.00	31	lt.haze
18-Jun	29.91	94	66	71	---	0.00	28	hazy
19-Jun	29.95	94	68	72	---	0.00	30	PC;lt. fog/haze
20-Jun	30.09	93	72	76	73	0.00	24	PC
21-Jun	30.21	95	72	74	---	0.00	24	PC;lt. haze
22-Jun	30.18	93	68	74	---	0.00	27	PC
23-Jun	30.11	92	64	71	---	0.00	27	PC
24-Jun	30.03	95	65	71	---	0.00	18	PC
25-Jun	30.02	97	69	73	---	0.00	19	lt. haze
26-Jun	30.02	97	70	72	---	0.00	20	PC;lt. RF 5:00-7:00 PM;Thunder
27-Jun	29.98	99	69	71	---	0.02	20	cldy;RF 9-11 AM;T-Storms 6-8 PM
28-Jun	29.98	91	67	71	---	3.32	35	MC;lt. fog
29-Jun	30.00	90	70	72	---	0.00	32	MC
30-Jun	30.01	84	69	69	---	1.67	50	T-Showers 3:00-6:00 AM;9:00 AM-9:00 PM

June 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.  2.46 inches RF recorded on July 1st actually occurred after 8:00 AM on June 30, 2002.
Min. Temp.	60 °	
Avg. High	92.0 °	
Avg. Low	68.6 °	
Avg. Temp	80.3 °	
Total RF	5.16 "	
Avg. RF (30 YR)	3.69 "	
Low RH	18 %	
Avg. Low RH	30.7 %	
Avg. Soil Temp	84.9 °	
Year To Date RF	11.30 "	
Avg. RF (30 YR)	15.74 "	

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DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2002	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Jul	30.08	74	67	68	---	2.46	96	cldy;occas. RF 6:00 AM-4:00 PM
02-Jul	30.02	72	67	70	---	2.60	99	T-Storms 3 AM-Noon;then occas. lt. RF thru 3 PM
03-Jul	29.96	79	67	68	---	5.13	84	T-Showers 4:00-9:00 AM;lt. RF 2:30-3:00 PM
04-Jul	30.00	77	66	69	---	2.26	73	T-Showers 2:00-10:00 AM;then occas. lt. RF
05-Jul	30.02	80	69	70	---	3.15	77	T-Showers 1:00 AM-3:00 PM
06-Jul	30.05	78	70	73	---	1.87	88	MC
07-Jul	30.07	85	71	73	---	0.00	57	MC
08-Jul	30.13	90	67	70	---	0.00	39	PC;lt. fog/haze
09-Jul	30.11	91	69	73	---	0.00	36	PC;lt. fog/haze
10-Jul	30.12	90	68	72	---	0.00	36	PC;lt. haze;lt. RF 2:00-2:30 PM
11-Jul	30.10	86	68	72	---	0.17	48	MC
12-Jul	30.09	92	65	74	---	0.00	26	PC
13-Jul	-----	93	74	75	---	0.00	28	MC;T-Storms 3:00-5:00 PM;then occas. lt. RF
14-Jul	-----	88	67	73	---	0.34	51	MC;T-Storms 2:00-3:00 PM
15-Jul	-----	84	66	70	---	0.38	57	T-Showers 8:00-11:00 AM
16-Jul	30.02	77	70	71	---	0.46	74	cldy;drizzle 6:00-8:00 AM
17-Jul	30.10	83	70	72	---	T	60	cldy;lt. RF 5:00-7:00 AM;3:00 PM;5:00-7:00 PM
18-Jul	30.10	85	71	73	---	0.21	52	MC;lt. fog
19-Jul	30.05	88	71	73	---	0.00	44	MC
20-Jul	30.05	87	70	71	---	0.00	39	PC
21-Jul	30.06	88	71	74	---	0.00	34	MC
22-Jul	30.09	90	71	73	---	0.00	39	MC
23-Jul	30.15	90	72	74	---	0.00	36	PC
24-Jul	30.16	91	67	71	---	0.00	34	PC;lt.fog
25-Jul	30.08	94	65	72	---	0.00	28	PC
26-Jul	30.03	94	71	73	---	0.00	34	PC
27-Jul	30.03	92	71	74	---	0.00	33	PC
28-Jul	30.02	90	74	75	---	0.00	42	MC
29-Jul	29.99	89	75	75	---	0.00	45	cldy
30-Jul	30.05	91	71	74	---	0.04	42	cldy;lt. fog;lt. RF 2:00 AM
31-Jul	30.06	90	73	75	---	0.00	36	PC

July Totals and Averages

Max. Temp.	94 °
Min. Temp.	65 °
Avg. High	86.4 °
Avg. Low	69.5 °
Avg. Temp	78.0 °
Total RF	19.07 "
Avg. RF (30 YR)	2.18 "
Low RH	26 %
Avg. Low RH	50.5 %
Avg. Soil Temp	79.6 °
Year To Date RF	30.37 "
Avg. RF (30 YR)	17.92 "

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

2.46 inches RF recorded on July 1st actually occurred after 8:00 AM on June 30, 2002.

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

DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2002	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Aug	30.00	91	71	73	---	0.00	37	cldy
02-Aug	30.02	91	73	75	---	0.00	35	MC
03-Aug	30.03	93	65	72	---	0.00	34	PC
04-Aug	30.06	95	72	74	---	0.00	27	PC
05-Aug	30.07	93	67	72	---	0.00	34	PC;hazy;lt. RF 5:00-6:00 PM
06-Aug	30.05	90	65	70	---	0.07	39	lt. fog/haze
07-Aug	30.04	94	66	71	---	0.00	28	lt. haze
08-Aug	30.06	95	67	72	---	0.00	28	lt. haze;lt. RF 11:00-11:30 AM;Thunder 3:30 PM
09-Aug	30.06	94	71	72	---	0.01	36	lt. haze;T-Shower 2:30-3:00 PM;lt. RF 3:30 PM
10-Aug	30.05	88	71	72	---	0.44	48	MC;T-Shower 6:00-7:00 PM
11-Aug	30.03	90	69	71	---	0.08	40	PC
12-Aug	29.97	89	71	73	---	0.00	27	cldy;lt. fog/haze
13-Aug	29.95	93	72	73	---	0.00	36	MC
14-Aug	29.95	92	73	75	---	0.00	40	MC
15-Aug	29.91	93	73	75	---	0.00	36	MC;lt. haze
16-Aug	30.05	92	75	76	---	0.00	42	cldy
17-Aug	30.06	91	74	75	---	0.00	35	cldy
18-Aug	30.02	92	72	75	---	0.00	35	cldy
19-Aug	29.99	91	71	73	---	0.00	39	cldy
20-Aug	30.00	93	73	74	---	0.00	36	PC
21-Aug	30.02	93	73	73	---	0.00	40	PC
22-Aug	30.08	94	73	74	---	0.00	34	MC
23-Aug	30.09	94	72	74	---	0.00	35	PC
24-Aug	30.07	95	71	73	---	0.00	32	PC
25-Aug	30.05	94	71	73	---	0.00	36	PC
26-Aug	30.02	98	65	70	---	0.00	28	PC
27-Aug	29.94	100	70	74	---	0.00	25	clear
28-Aug	30.02	100	71	73	---	0.00	30	PC
29-Aug	30.02	97	70	73	---	0.00	30	PC;T-Showers 9:45-11:00 AM
30-Aug	30.02	80	66	69	---	0.07	71	PC;lt. fog/haze
31-Aug	30.03	90	63	69	---	0.00	31	PC;hazy

August Totals and Averages

Max. Temp.	100 °
Min. Temp.	63 °
Avg. High	92.7 °
Avg. Low	70.2 °
Avg. Temp	81.5 °
Total RF	0.67 "
Avg. RF (30 YR)	2.40 "
Low RH	25 %
Avg. Low RH	35.6 %
Avg. Soil Temp	82.9 °
Year To Date RF	31.04 "
Avg. RF (30 YR)	20.32 "

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



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

DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2002	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Sep	30.05	92	66	68	---	0.00	29	PC
02-Sep	30.06	93	66	69	---	0.00	33	PC
03-Sep	30.00	94	67	70	---	0.00	31	PC
04-Sep	30.04	93	68	72	---	0.00	35	PC
05-Sep	30.02	90	65	69	---	0.00	38	PC
06-Sep	29.95	90	63	65	---	0.00	38	PC;lt. haze;lt. RF 8:00 PM
07-Sep	29.94	92	65	71	69	0.01	31	MC;lt. RF 8-9 AM;T-Showers 11 AM-7 PM
08-Sep	29.92	74	71	72	---	2.85	95	occas. lt. RF 10 AM-Noon;T-Storm 9:30-10:30 PM
09-Sep	29.92	75	70	72	---	0.73	92	MC;lt. RF about 6:00 PM
10-Sep	29.98	84	69	70	---	T	62	MC;lt. fog
11-Sep	30.00	85	65	68	---	0.00	48	PC;lt. fog/haze
12-Sep	29.97	88	62	64	---	0.00	36	PC;lt. fog/haze
13-Sep	29.93	91	62	64	---	0.00	31	fog/haze
14-Sep	29.94	89	63	65	---	0.00	35	lt. fog;very hazy all day
15-Sep	30.01	90	65	66	---	0.00	34	MC;lt. haze
16-Sep	30.08	81	66	68	---	T	55	MC;lt. drizzle 5:00-7:00 AM
17-Sep	30.00	83	66	69	---	0.00	56	PC
18-Sep	29.83	88	69	74	71	0.00	52	cldy
19-Sep	29.73	89	74	74	---	T	57	MC;lt. haze;lt. drizzle 7:00 AM;lt. RF 9:50-10:00 AM
20-Sep	29.92	88	53	57	---	0.02	26	clear
21-Sep	29.95	88	52	57	---	0.00	18	clear
22-Sep	30.01	89	56	64	---	0.00	26	PC
23-Sep	30.08	85	55	58	---	0.00	30	PC
24-Sep	30.10	83	54	56	---	0.00	39	clear
25-Sep	30.00	80	53	56	---	0.00	19	clear
26-Sep	29.85	84	53	57	---	0.00	44	lt. fog/haze
27-Sep	29.87	87	51	55	---	0.00	25	lt. fog
28-Sep	29.91	93	54	57	---	0.00	21	PC;lt. haze
29-Sep	29.94	89	57	66	---	0.00	30	dense fog
30-Sep	30.01	87	66	68	---	0.00	35	cldy;lt. fog/haze

September Totals and Averages

Max. Temp.	94 °
Min. Temp.	51 °
Avg. High	87.1 °
Avg. Low	62.2 °
Avg. Temp	74.7 °
Total RF	3.61 "
Avg. RF (30 YR)	3.78 "
Low RH	18 %
Avg. Low RH	40.0 %
Avg. Soil Temp	75.8 °
Year To Date RF	34.65 "
Avg. RF (30 YR)	24.10 "

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

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

DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Oct	29.95	87	68	71	---	0.02	45	MC;lt. drizzle 5:00-8:00 AM
02-Oct	29.93	88	71	71	---	0.00	40	PC;lt. haze
03-Oct	29.87	88	69	71	---	T	51	MC;lt. patchy fog;lt. drizzle 7:45-8:00 AM
04-Oct	29.90	89	65	67	---	0.00	46	PC;lt. fog/haze;lt. RF 11:30 AM-Noon
05-Oct	29.93	90	67	71	70	T	49	MC
06-Oct	29.99	87	71	72	---	0.00	42	MC
07-Oct	30.08	89	67	67	---	0.02	45	cldy;lt. RF 5-6 AM;T-Storms 4 PM-midnight
08-Oct	29.98	85	65	67	---	2.49	51	cldy;lt. fog;T-Showers 6 AM-11 AM;then occas RF
09-Oct	29.93	73	63	63	---	1.17	95	MC;lt. patchy fog;lt. RF 4-5 AM
10-Oct	30.02	78	62	63	---	T	56	cldy;lt. fog;drizzle/lt. RF early AM
11-Oct	30.06	76	54	59	---	0.00	43	cldy
12-Oct	30.13	79	59	66	---	0.00	47	cldy;hazy
13-Oct	30.31	83	57	57	---	0.00	47	cldy;occas. lt.RF 9:00 AM-2:00 PM
14-Oct	30.23	60	48	49	---	0.07	43	cldy;drizzle/lt. RF 7:00 AM-Noon
15-Oct	30.07	57	49	54	53	0.15	81	cldy
16-Oct	30.03	71	39	40	---	0.00	26	clear
17-Oct	30.02	74	40	50	49	0.00	25	PC;lt. haze
18-Oct	29.92	78	50	66	64	T	32	cldy;breezy;drizzle/lt.RF 6-11 AM;lt. RF 8 PM
19-Oct	29.95	71	60	61	---	1.47	87	cldy;TShowers 4-6 AM;lt. RF/drizzle thru 11 AM
20-Oct	29.96	75	56	59	---	0.01	46	MC
21-Oct	29.99	74	59	60	---	T	48	dense fog;occas. drizzle 6 AM-rest of day
22-Oct	30.00	65	59	60	---	0.42	98	cldy;T-Storms 5-6 AM
23-Oct	30.00	79	60	61	---	0.17	48	cldy;lt. patchy fog;T-Storms midnight-2:00 AM
24-Oct	29.99	76	61	62	---	0.60	54	cldy;T-Showers 5-7 AM;9 AM-1 PM
25-Oct	29.94	71	52	52	---	0.77	75	cldy;drizzle/lt. RF 6 AM-9 AM
26-Oct	29.95	59	52	55	---	0.03	87	cldy;occas drizzle/lt. RF 3-11 AM
27-Oct	29.95	60	55	58	---	0.02	86	cldy;lt. RF.drizzle 10 PM-midnight
28-Oct	29.96	76	58	64	63	0.05	52	cldy;fog/drizzle midnight-11 AM;drizzle 4-6 PM
29-Oct	29.85	68	48	56	---	T	79	clear
30-Oct	29.96	82	49	56	---	0.00	14	clear
31-Oct	30.17	81	49	49	---	0.00	22	cldy

Max. Temp. 90 °  
 Min. Temp. 39 °  
 Avg. High 76.4 °  
 Avg. Low 57.5 °  
 Avg. Temp 67.0 °  
 Total RF 7.46 "  
 Avg. RF (30 YR) 3.67 "  
 Low RH 14 %  
 Avg. Low RH 53.5 %  
 Avg. Soil Temp 69.8 °

**NOTE**

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

Year To Date RF 42.11 "  
 Avg. RF (30 YR) 27.77 "

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

DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
2002	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Nov	30.21	57	49	49	---	T	62	cldy;lt drizzle 4:00 AM-9:00 AM
02-Nov	30.10	59	49	50	---	0.10	65	cldy;drizzle/lt. RF 3:00 AM-midnight
03-Nov	30.07	53	50	53	---	0.31	95	cldy;occas. drizzle/lt. RF throughout day
04-Nov	30.03	58	47	47	---	0.05	88	cldy;lt. fog;occas. drizzle/lt. RF midnight-midnight
05-Nov	29.90	49	44	49	---	0.14	95	PC;occas drizzle early AM
06-Nov	30.32	73	33	40	---	0.00	19	clear
07-Nov	30.28	72	33	41	---	0.00	18	clear
08-Nov	30.04	70	41	54	48	0.00	18	PC
09-Nov	30.05	73	54	60	---	0.00	33	PC
10-Nov	30.02	87	53	57	---	0.00	13	PC
11-Nov	30.00	85	48	54	---	0.00	12	PC
12-Nov	30.30	76	42	50	---	0.00	14	PC
13-Nov	30.38	65	32	40	---	0.00	28	clear;first freeze of season
14-Nov	29.98	66	40	56	47	0.00	29	clear
15-Nov	29.99	77	46	48	---	0.00	30	PC;lt. RF 5:00 PM
16-Nov	-----	61	41	46	---	T	41	PC;33 degrees by midnight
17-Nov	-----	62	29	38	---	0.00	30	clear
18-Nov	30.04	69	38	52	46	0.00	24	clear
19-Nov	30.29	75	35	42	---	0.00	26	clear
20-Nov	30.19	73	33	36	---	0.00	16	clear
21-Nov	30.22	72	35	41	---	0.00	18	clear
22-Nov	-----	74	38	45	---	0.00	18	PC
23-Nov	-----	73	34	43	---	0.00	20	PC
24-Nov	-----	71	43	58	52	0.00	30	MC
25-Nov	-----	72	46	46	---	0.00	35	PC
26-Nov	-----	50	36	37	---	0.05	50	cldy;occas. drizzle/lt. RF 2:00 AM-5:00 PM
27-Nov	-----	42	35	36	---	0.10	35	cldy;31 degrees by midnight
28-Nov	-----	47	29	32	---	0.00	30	clear
29-Nov	-----	63	32	43	---	T	13	PC;lt. drizzle early AM
30-Nov	-----	59	42	46	---	0.00	26	PC

November Totals and Averages

Max. Temp.	87 °
Min. Temp.	29 °
Avg. High	66.1 °
Avg. Low	40.2 °
Avg. Temp	53.2 °
Total RF	0.75 "
Avg. RF (30 YR)	2.59 "
Low RH	12 %
Avg. Low RH	34.4 %
Avg. Soil Temp	55.6 °
Year To Date RF	42.86 "
Avg. RF (30 YR)	30.36 "

NOTE

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

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

DATE 2002	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Dec	30.18	65	35	40	---	0.00	25	PC
02-Dec	30.07	62	40	54	44	0.00	20	cldy
03-Dec	29.97	73	54	60	60	0.11	50	cldy;fog;drizzle/lt. RF 4-8 A;10 A;8:30 P-midnight *
04-Dec	30.05	66	37	37	---	0.58	92	lt. RF midnite-8A, then occas. lt. RF;36 deg by MN
05-Dec	30.30	44	34	34	---	T	66	cldy;31 deg. by midnight
06-Dec	30.40	43	26	29	---	0.00	55	lt. patchy fog
07-Dec	30.26	57	29	36	31	0.00	32	PC
08-Dec	30.14	52	36	51	49	0.02	43	occas. drizzle 4A-8P;then T-Showers to midnight
09-Dec	30.07	56	41	42	---	1.21	98	occas. RF midnight-1 PM (T-Showers 5 AM)
10-Dec	30.13	45	42	43	---	0.10	94	cldy; lt. haze
11-Dec	30.02	55	29	39	---	0.00	48	dense fog
12-Dec	29.92	50	39	48	41	0.00	76	PC;lt. haze;36 deg. by midnight
13-Dec	30.07	67	31	34	---	0.00	20	clear
14-Dec	30.10	63	27	33	---	0.00	16	clear
15-Dec	30.08	66	33	42	36	0.00	26	lt. fog/haze
16-Dec	29.98	70	42	44	---	0.00	43	dense fog
17-Dec	29.82	77	44	54	49	0.00	16	dense fog
18-Dec	29.73	74	54	57	56	0.00	36	lt. fog/haze
19-Dec	29.91	73	48	49	---	0.00	22	clear;breezy
20-Dec	30.19	60	26	29	---	0.00	26	clear
21-Dec	30.15	67	29	50	36	0.00	6	PC
22-Dec	30.09	71	30	38	---	0.00	10	PC
23-Dec	29.78	62	38	62	53	0.09	34	cldy;lt. RF 4-8 A;T-Showers 6-8 P;40 deg. by MN
24-Dec	30.00	74	34	35	---	0.23	48	cldy;breezy
25-Dec	30.05	44	26	28	---	0.00	45	PC
26-Dec	30.08	52	28	37	33	0.00	37	MC;31 deg. by midnight
27-Dec	30.30	54	28	30	---	0.00	57	dense fog
28-Dec	30.25	65	28	33	---	0.00	23	PC
29-Dec	30.11	69	33	55	45	0.04	23	cldy;occas. drizzle 4:00 AM-midnight
30-Dec	29.72	62	55	61	60	0.05	88	cldy;occas. drizzle midnight-9 A;T-Storms PM **
31-Dec	30.01	72	42	43	---	0.19	39	clear

December Totals and Averages

Max. Temp.	77 °
Min. Temp.	26 °
Avg. High	61.6 °
Avg. Low	36.1 °
Avg. Temp	48.9 °
Total RF	2.62 "
Avg. RF (30 YR)	1.99 "
Low RH	6 %
Avg. Low RH	42.4 %
Avg. Soil Temp	49.8 °
Year To Date RF	45.48 "
Avg. RF (30 YR)	32.35 "

NOTE

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

\* small hail 8:30 PM 12-3-2002;49 deg. by MN

\*\* T-Storms 2:30-3:00 PM;small hail (12-30-02)  
T-Storms 4:00-8:00 PM;small hail (12-30-02)