

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

DATE 1999	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Jan	29.75	61	52	58	---	T	79	MC;fog/haze,lt.drizzle early AM
02-Jan	29.90	64	34	35	---	0.00	75	MC
03-Jan	30.32	49	23	28	---	0.00	21	PC
04-Jan	30.45	35	16	19	---	0.00	24	clear
05-Jan	30.30	47	19	24	20	0.00	21	clear
06-Jan	30.09	54	24	45	38	0.00	55	cldy;fog
07-Jan	30.08	74	32	38	---	T	15	heavy fog;lt. drizzle early AM
08-Jan	29.90	69	38	58	46	T	58	MC;lt. fog;lt. drizzle early AM
09-Jan	29.98	72	25	26	---	0.00	47	PC
10-Jan	30.18	47	19	26	---	0.00	23	clear
11-Jan	30.22	58	26	45	29	0.00	22	MC
12-Jan	29.90	64	45	53	51	0.00	47	cldy;lt. fog
13-Jan	29.93	67	36	42	---	0.00	56	lt. fog
14-Jan	30.23	68	30	31	---	0.00	31	PC;lt. fog
15-Jan	30.13	60	22	26	---	0.00	11	clear
16-Jan	30.15	68	26	38	36	0.00	16	PC
17-Jan	30.16	78	35	40	---	0.00	8	PC
18-Jan	30.20	77	36	44	---	0.00	7	PC
19-Jan	30.08	72	36	48	---	0.00	18	heavy fog
20-Jan	29.95	75	43	53	---	0.01	40	heavy fog
21-Jan	29.73	74	51	58	---	0.00	53	heavy fog
22-Jan	29.53	81	55	55	---	0.00	9	PC;windy
23-Jan	29.90	60	35	38	---	0.00	17	PC
24-Jan	30.13	68	30	35	---	0.00	14	clear
25-Jan	30.25	75	35	49	45	0.00	16	PC
26-Jan	30.18	75	49	54	53	0.00	23	PC
27-Jan	30.06	72	54	56	---	0.00	40	MC
28-Jan	29.90	73	56	61	59	0.00	40	MC
29-Jan	29.82	73	61	65	64	T	57	cldy;lt. RF early AM thru 2:00 PM
30-Jan	29.90	66	30	40	---	0.04	75	PC;lt. drizzle early AM
31-Jan	29.95	59	35	38	---	0.00	32	PC

January Totals and Averages

Max. Temp.	81 °
Min. Temp.	16 °
Avg. High	65.6 °
Avg. Low	35.7 °
Avg. Temp	50.7 °
Total RF	0.05 "
Max. RF	0.04 "
Low RH	7 %
Avg. Low RH	33.9 %
Avg. Soil Temp	51.4 °
Year To Date RF	0.05 "

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		
1999	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Feb	30.08	67	37	43	---	0.00	25	PC
02-Feb	30.12	69	43	48	46	0.00	42	PC
03-Feb	29.91	68	41	46	---	0.00	20	PC
04-Feb	30.18	78	42	46	---	0.00	31	MC
05-Feb	30.15	71	46	58	58	T	50	fog/lt. drizzle early AM thru 10:00 AM
06-Feb	30.08	71	58	65	64	T	75	MC
07-Feb	30.02	76	37	45	---	T	57	MC;lt. drizzle early AM
08-Feb	29.92	84	45	63	50	0.00	7	fog
09-Feb	30.00	83	61	66	---	0.00	49	PC;lt. fog
10-Feb	29.96	87	59	63	---	0.00	9	MC;fog
11-Feb	29.95	80	63	66	66	T	44	lt. RF 7:45 AM-10:00 AM
12-Feb	30.60	68	26	31	---	0.01	7	clear
13-Feb	30.55	58	20	28	---	0.00	11	clear
14-Feb	30.25	67	24	35	---	0.00	8	PC
15-Feb	30.08	67	35	50	44	0.00	15	PC
16-Feb	29.99	73	50	56	53	0.00	34	cldy
17-Feb	30.00	68	34	38	---	0.00	42	clear
18-Feb	29.86	73	36	43	---	0.00	16	PC
19-Feb	30.00	78	32	40	---	0.00	11	clear
20-Feb	30.02	67	40	57	50	0.00	22	MC
21-Feb	30.08	75	40	43	---	0.00	24	PC
22-Feb	30.18	63	36	41	---	0.00	12	PC
23-Feb	30.17	67	35	40	---	0.00	35	PC;lt. patchy fog
24-Feb	30.20	74	39	54	---	0.00	5	MC
25-Feb	30.08	69	54	59	58	T	51	lt. fog/drizzle 6:00 AM-10:00 AM
26-Feb	29.94	76	59	62	61	T	54	fog/lt. drizzle 6:00 AM-9:00 AM
27-Feb	30.00	73	62	64	---	0.02	58	lt. drizzle 2:00 AM-7:00 AM
28-Feb	29.98	83	32	42	---	0.00	7	clear

February Totals and Averages

Max. Temp.	87 °
Min. Temp.	20 °
Avg. High	72.6 °
Avg. Low	42.4 °
Avg. Temp	57.5 °
Total RF	0.03 "
Max. RF	0.02 "
Low RH	5 %
Avg. Low RH	29.3 %
Avg. Soil Temp	58.9 °
Year To Date RF	0.08 "

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 1999	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Mar	29.92	78	42	52	---	0.00	8	clear
02-Mar	29.74	89	38	45	---	0.00	7	PC
03-Mar	30.20	82	38	45	---	0.00	12	clear
04-Mar	29.98	69	43	49	---	0.00	19	cldy
05-Mar	29.86	67	49	64	62	T	61	lt. fog/lt. drizzle 1:00 AM-8:00 AM
06-Mar	29.92	83	39	52	---	0.00	5	PC
07-Mar	29.90	77	52	53	---	0.00	35	lt. fog;occas. drizzle 10AM then throughout day
08-Mar	29.81	64	49	64	56	0.06	93	lt. fog;drizzle/lt.RF midnight thru 10:00 AM
09-Mar	30.04	78	36	52	---	T	12	clear
10-Mar	29.93	79	52	62	60	0.00	20	cldy/lt. fog;lt.drizzle 9:00-11:00 AM
11-Mar	29.92	72	62	64	---	T	77	MC;lt. fog
12-Mar	29.75	75	64	64	---	0.01	53	MC;lt. RF 7-10AM;T-showers/lt. RF 9 PM-midnite
13-Mar	29.80	79	42	42	---	0.20	58	MC
14-Mar	30.06	54	34	37	---	0.00	29	PC
15-Mar	30.17	62	26	36	---	0.00	16	clear
16-Mar	30.01	72	36	50	44	0.00	17	cldy
17-Mar	29.89	74	50	59	56	0.00	38	cldy;breezy;drizzle/lt. RF starting about 11 PM
18-Mar	29.92	73	59	62	62	0.17	55	drizzle/lt. RF midnite-3:00 PM
19-Mar	30.20	65	46	47	---	1.30	91	PC
20-Mar	30.18	67	44	47	---	0.00	34	PC
21-Mar	30.15	72	37	48	---	0.00	25	clear
22-Mar	30.01	76	46	54	---	0.00	21	clear
23-Mar	29.90	78	54	62	59	0.00	39	cldy
24-Mar	29.98	81	56	56	---	T	40	lt. drizzle 6:00 AM-10:00 AM
25-Mar	30.12	71	50	51	---	T	75	cldy
26-Mar	30.13	65	44	53	---	0.00	51	MC
27-Mar	30.06	66	53	54	---	0.02	41	lt. RF 6A-7P;T-storms 7-8P;then RF thru midnite
28-Mar	30.10	58	49	55	---	1.43	90	lt. RF early AM
29-Mar	30.13	69	55	56	---	0.00	54	cldy;lt. fog
30-Mar	30.12	62	51	54	---	0.00	64	cldy
31-Mar	29.92	67	52	54	---	0.00	57	cldy;lt. fog

March Totals and Averages

Max. Temp.	89 °
Min. Temp.	26 °
Avg. High	71.7 °
Avg. Low	46.7 °
Avg. Temp	59.2 °
Total RF	3.19 "
Max. RF	1.43 "
Low RH	5 %
Avg. Low RH	41.8 %
Avg. Soil Temp	60.8 °
Year To Date RF	3.27 "

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 1999	B. P. 8 AM	--TEMPERATURES--			RAIN FALL	LOW RH	COMMENTS	
		HI	LO	8AM ONL				
01-Apr	29.79	62	54	62	59	T	80	lt. fog/drizzle early AM thru 9:00 AM
02-Apr	29.79	74	62	67	66	T	69	cldy
03-Apr	29.90	81	67	70	---	0.00	55	MC
04-Apr	29.90	79	57	65	---	0.00	19	MC
05-Apr	29.88	78	60	62	---	T	38	PC;Trace of lt. RF early AM
06-Apr	30.09	81	37	42	---	0.00	3	PC
07-Apr	30.06	83	42	66	60	T	11	lt. drizzle 6:00 AM-8:00 AM
08-Apr	29.93	83	64	65	---	0.00	56	cldy;lt. fog
09-Apr	29.84	83	64	66	---	0.00	61	heavy fog
10-Apr	29.96	89	66	67	---	0.00	41	PC
11-Apr	30.09	83	56	63	---	0.00	7	PC
12-Apr	30.17	84	63	65	---	0.00	11	MC
13-Apr	30.01	82	65	67	---	0.00	53	MC
14-Apr	29.70	82	50	52	---	0.67	52	PC;T-Showers 3:00-5:00 AM
15-Apr	30.06	82	45	48	---	0.00	15	clear;windy
16-Apr	30.23	64	36	46	---	0.00	30	PC
17-Apr	30.31	64	29	37	---	0.00	18	clear
18-Apr	30.26	71	37	48	---	0.00	16	PC
19-Apr	30.20	78	48	59	56	0.00	29	cldy
20-Apr	30.03	85	59	62	61	0.00	27	PC
21-Apr	29.82	85	62	64	64	0.00	30	cldy
22-Apr	29.66	78	64	67	66	0.00	56	MC
23-Apr	29.80	89	67	69	---	0.00	36	PC
24-Apr	29.91	89	69	71	---	0.00	50	PC
25-Apr	29.95	77	62	63	---	0.18	63	MC;lt. RF early AM;T-Showers 1:00-3:00 PM
26-Apr	29.74	77	58	58	---	0.51	65	T-Storm 7:00-8:00 AM
27-Apr	29.87	83	51	64	---	T	14	lt. fog
28-Apr	29.89	90	61	64	---	0.00	25	PC;lt. fog
29-Apr	29.87	88	64	66	---	0.00	30	MC
30-Apr	29.98	83	65	66	---	0.00	41	PC;breezy;lt. RF 11:00 PM

April Totals and Averages

Max. Temp.	90 °
Min. Temp.	29 °
Avg. High	80.2 °
Avg. Low	56.1 °
Avg. Temp	68.2 °
Total RF	1.36 "
Max. RF	0.67 "
Low RH	3 %
Avg. Low RH	36.7 %
Avg. Soil Temp	69.4 °
Year To Date RF	4.63 "

NOTE

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DATE 1999	B. P. 8 AM	--TEMPERATURES--			RAIN	LOW	COMMENTS	
		HI	LO	8AM ONL	FALL	RH		
01-May	29.98	79	62	63	---	T	54	lt. RF early AM
02-May	29.90	69	61	64	---	0.01	64	lt. RF 5:00 AM-noon, then occas. drizzle
03-May	29.85	68	64	68	65	0.07	91	occas. drizzle throughout day and night
04-May	29.60	75	68	69	---	0.05	89	occas. drizzle through 10:00 AM
05-May	29.66	90	57	65	---	T	8	lt. haze/dust
06-May	29.92	85	48	54	---	0.00	14	clear
07-May	30.00	83	46	54	---	0.00	15	clear
08-May	30.03	82	54	65	57	0.00	29	PC
09-May	30.02	88	65	72	71	0.00	51	MC;hazy;lt. RF about 11:00 PM
10-May	29.80	84	60	63	---	1.33	64	PC;patchy fog;T-showers 1-4 AM;lt. RF 3-5 PM
11-May	29.82	74	56	63	---	0.08	83	fog/drizzle AM;T-Storm 9:30-11 PM;Hail *
12-May	29.90	89	63	67	---	0.34	57	cldy;lt. fog
13-May	29.98	79	61	66	---	0.00	58	cldy;lt. fog
14-May	29.88	84	65	69	---	0.00	50	cldy;lt. fog
15-May	29.92	84	69	72	---	0.00	63	MC;haze
16-May	29.98	86	70	72	---	0.00	54	MC;haze
17-May	29.90	86	70	73	---	0.00	55	MC;haze;T-Showers 10:00-11:00 PM
18-May	30.10	86	63	65	---	0.11	61	MC
19-May	30.11	80	57	63	---	0.00	35	PC;lt. fog
20-May	29.99	84	63	67	65	0.00	39	MC
21-May	30.02	85	67	69	---	0.00	46	MC
22-May	30.04	84	66	71	---	0.00	38	MC
23-May	30.05	87	68	70	---	0.00	30	PC
24-May	30.08	89	61	70	---	0.00	30	PC
25-May	30.00	89	67	68	---	0.00	38	PC
26-May	29.98	89	68	72	---	0.00	33	PC;T-Storm 8:00-9:00 PM **
27-May	30.03	85	57	63	---	0.94	46	PC;strong winds about 3:00 AM
28-May	30.06	88	63	69	68	0.00	36	PC;lt. fog
29-May	30.05	85	64	68	---	0.23	59	lt. RF 7:30-8:30 AM
30-May	30.03	89	68	72	70	0.07	41	PC
31-May	29.95	91	72	73	---	0.00	33	PC

May Totals and Averages

Max. Temp.	91 °	NOTE Temperature and rainfall data are for the 24 hour period ending at 8:00 AM on the date recorded. * 5-11-99; hail mostly 1/2-3/4" diam. some up to 1 1/4" ** 5-26-99; large hail and possible twister approx. 10 mi. west on IH-10
Min. Temp.	46 °	
Avg. High	83.7 °	
Avg. Low	62.7 °	
Avg. Temp	73.2 °	
Total RF	3.23 "	
Max. RF	1.33 "	
Low RH	8 %	
Avg. Low RH	47.2 %	
Avg. Soil Temp	76.3 °	
Year To Date RF	7.86 "	

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

DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
1999	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Jun	29.88	92	73	74	---	0.00	40	PC
02-Jun	29.96	93	72	73	---	0.00	35	MC
03-Jun	30.00	89	70	72	---	0.00	43	PC
04-Jun	30.00	90	71	73	---	0.00	43	PC
05-Jun	29.95	91	72	73	---	0.00	39	PC
06-Jun	29.97	92	72	74	---	0.00	36	PC
07-Jun	30.06	92	70	72	---	0.00	37	MC
08-Jun	30.01	91	68	71	---	0.00	36	PC
09-Jun	29.95	91	68	72	---	0.00	37	PC
10-Jun	29.94	92	70	73	---	0.00	34	MC
11-Jun	30.00	93	70	75	---	0.00	34	PC
12-Jun	30.02	94	73	76	---	0.00	34	PC
13-Jun	29.99	94	66	68	---	0.28	34	PC;T-Showers, then lt. RF 1:00-4:00 AM
14-Jun	30.10	89	63	70	---	0.00	33	PC
15-Jun	30.04	87	67	72	---	0.00	40	PC;lt. haze;lt. RF 12:15-1:00 PM;7:00-8:00 PM
16-Jun	30.01	79	64	70	---	0.17	60	PC;lt. fog
17-Jun	30.10	88	63	70	---	0.00	39	PC
18-Jun	30.13	82	63	70	---	0.00	52	PC;lt. haze
19-Jun	30.01	89	69	72	---	0.00	40	PC;lt. RF 5:00-7:00 PM
20-Jun	30.00	92	71	72	---	0.35	38	RF early AM-2:00 PM, then occas. lt. RF
21-Jun	30.01	73	67	68	---	1.72	96	lt. RF early AM, then occas. through midday
22-Jun	29.96	79	68	72	70	0.29	80	lt. RF 3-4 AM;10-11 AM;10 PM
23-Jun	29.92	88	72	73	---	0.11	52	MC
24-Jun	29.93	89	73	74	---	0.00	47	MC
25-Jun	29.88	91	73	74	---	0.00	48	MC;lt. RF 7:00-8:00 PM
26-Jun	29.85	92	72	75	---	0.06	43	MC
27-Jun	29.89	91	74	75	---	0.00	50	MC
28-Jun	29.90	88	75	75	---	0.00	60	MC
29-Jun	29.94	92	75	76	---	0.00	48	PC
30-Jun	29.84	91	71	72	---	0.00	50	cldy

June Totals and Averages

Max. Temp.	94 °
Min. Temp.	63 °
Avg. High	89.1 °
Avg. Low	69.8 °
Avg. Temp	79.5 °
Total RF	2.98 "
Max. RF	1.72 "
Low RH	33 %
Avg. Low RH	45.3 %
Avg. Soil Temp	82.9 °
Year To Date RF	10.84 "

NOTE

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

DATE	B. P.	--TEMPERATURES--			RAIN	LOW		
1999	8 AM	HI	LO	8AM ONL	FALL	RH	COMMENTS	
01-Jul	29.84	91	72	73	---	0.00	43	cldy
02-Jul	29.95	91	73	74	---	0.00	48	MC
03-Jul	29.98	91	73	75	---	T	42	lt. RF early AM and 3:00-4:00 PM
04-Jul	30.06	90	72	73	---	T	48	lt. RF 3:00-5:00 PM
05-Jul	30.15	88	66	72	---	0.05	53	PC
06-Jul	30.17	90	68	74	---	0.00	37	PC
07-Jul	30.10	93	68	75	---	0.00	35	clear;Trace of RF about 5:00-6:00 PM
08-Jul	30.04	94	65	73	---	T	40	lt. haze
09-Jul	30.00	95	71	73	---	0.00	30	PC
10-Jul	29.97	93	73	75	---	0.00	37	MC;RF 2:00-4:00 PM;8:00 PM-midnight
11-Jul	30.01	90	69	70	---	2.90	44	RF midnight-8:00 AM;2:00-3:00 PM
12-Jul	30.13	80	67	71	---	0.01	67	PC
13-Jul	30.13	89	68	72	---	0.00	38	MC
14-Jul	30.11	90	72	74	---	0.00	38	PC
15-Jul	30.03	88	68	70	---	0.00	41	PC
16-Jul	30.07	89	69	73	---	0.00	32	PC
17-Jul	30.09	89	71	72	---	0.00	38	PC
18-Jul	30.10	87	71	73	---	0.00	48	PC;Trace of RF about 8:00 PM
19-Jul	30.13	88	70	73	---	T	44	PC;Trace of RF about 8:00 PM
20-Jul	30.10	91	70	72	---	T	41	MC
21-Jul	30.15	89	71	73	---	0.00	46	MC
22-Jul	30.21	90	70	73	---	0.00	42	PC
23-Jul	30.16	90	71	73	---	0.00	38	PC
24-Jul	30.13	93	63	70	---	0.00	26	PC
25-Jul	30.11	96	69	72	---	0.00	20	PC
26-Jul	30.01	93	72	74	---	0.00	32	PC
27-Jul	30.06	93	72	74	---	0.00	31	PC
28-Jul	30.09	93	70	74	---	0.00	39	PC
29-Jul	30.04	94	72	73	---	0.00	35	PC
30-Jul	29.95	95	72	73	---	0.00	29	MC
31-Jul	29.96	97	73	75	---	0.00	28	PC

July Totals and Averages

Max. Temp.	97 °
Min. Temp.	63 °
Avg. High	91.0 °
Avg. Low	70.0 °
Avg. Temp	80.5 °
Total RF	2.96 "
Max. RF	2.90 "
Low RH	20 %
Avg. Low RH	39.0 %
Avg. Soil Temp	84.6 °
Year To Date RF	13.80 "

NOTE

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DATE 1999	B. P. 8 AM	--TEMPERATURES--			RAIN	LOW	COMMENTS	
		HI	LO	8AM ONL	FALL	RH		
01-Aug	30.02	96	71	73	---	0.00	27	PC
02-Aug	30.10	94	70	73	---	0.00	35	PC;lt. patchy fog
03-Aug	30.10	97	68	74	---	0.00	24	Clear;Trace of RF about 8:00 PM
04-Aug	30.06	96	70	74	---	T	32	PC
05-Aug	30.00	96	67	72	---	0.00	35	clear
06-Aug	29.99	98	67	72	---	0.00	24	clear
07-Aug	30.03	98	69	74	---	0.00	23	clear
08-Aug	30.05	98	71	75	---	0.00	30	clear
09-Aug	30.00	97	73	76	---	0.00	31	clear
10-Aug	29.93	98	72	74	---	0.00	25	clear
11-Aug	29.98	99	71	74	---	0.00	23	clear
12-Aug	30.00	98	72	73	---	0.00	27	MC
13-Aug	30.00	98	72	74	---	0.00	26	clear
14-Aug	30.03	99	68	74	---	0.00	26	PC
15-Aug	30.08	102	67	72	---	0.00	16	PC
16-Aug	30.10	100	70	75	---	0.00	30	PC;lt. haze
17-Aug	30.13	99	63	69	---	0.00	25	clear
18-Aug	30.08	96	69	75	72	0.00	33	PC
19-Aug	30.01	97	68	73	---	0.00	31	clear
20-Aug	30.04	100	66	71	---	0.00	23	PC
21-Aug	30.00	102	67	71	---	0.00	23	PC
22-Aug	29.98	103	69	72	---	0.00	14	PC
23-Aug	29.91	94	72	72	---	0.00	33	MC
24-Aug	29.90	85	68	70	---	0.24	56	MC;Thunder showers around 5:00-6:00 AM
25-Aug	29.96	89	68	72	---	0.00	41	PC
26-Aug	30.00	96	71	73	---	0.00	37	PC
27-Aug	30.00	97	70	75	---	0.00	31	PC
28-Aug	30.02	99	68	72	---	0.00	26	PC
29-Aug	30.02	97	65	70	---	0.00	25	PC
30-Aug	30.00	101	67	71	---	0.00	22	PC
31-Aug	29.99	99	64	68	---	0.00	20	lt. haze

August Totals and Averages

Max. Temp.	103 °	NOTE
Min. Temp.	63 °	
Avg. High	97.4 °	Temperature and rainfall data are
Avg. Low	68.8 °	for the 24 hour period ending at
Avg. Temp	83.1 °	8:00 AM on the date recorded.
Total RF	0.24 "	
Max. RF	0.24 "	Record high temperatures for date
Low RH	14 %	8/20/99; 102
Avg. Low RH	28.2 %	8/21/99; 103
Avg. Soil Temp	88.2 °	8/29/99; 101
Year To Date RF	14.04 "	Record hottest Aug. Avg. temp.; 83.1 degrees

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

DATE 1999	B. P. 8 AM	--TEMPERATURES--			RAIN	LOW	COMMENTS	
		HI	LO	8AM ONL	FALL	RH		
01-Sep	29.98	99	68	71	69	0.00	25	hazy
02-Sep	29.96	98	70	72	---	0.00	24	PC;lt. haze
03-Sep	29.94	97	71	72	---	0.00	27	PC
04-Sep	29.96	96	72	74	---	0.00	24	PC
05-Sep	30.03	95	70	73	---	0.00	35	PC
06-Sep	30.04	95	68	72	---	0.00	32	PC
07-Sep	29.96	96	65	71	---	0.00	31	MC;lt. fog
08-Sep	29.92	93	71	74	---	0.00	35	PC
09-Sep	30.01	95	67	72	---	0.00	32	PC;Thunder showers 7:00-9:00 PM
10-Sep	29.99	97	65	68	---	0.89	26	PC;lt. patchy fog
11-Sep	30.02	93	68	71	69	0.00	35	PC
12-Sep	30.04	93	70	72	---	0.00	29	PC
13-Sep	30.12	94	70	72	---	0.00	23	PC
14-Sep	30.09	85	65	67	---	0.00	46	MC;lt. fog;Trace of RF about 6:00 PM
15-Sep	30.01	89	62	65	---	T	37	lt. fog
16-Sep	30.09	92	60	64	---	0.00	30	clear
17-Sep	30.12	91	55	60	---	0.00	15	clear
18-Sep	30.06	91	60	63	---	0.00	20	clear
19-Sep	29.93	91	60	64	---	0.00	25	clear
20-Sep	29.96	94	60	64	---	0.00	24	clear;lt. RF 7:00-8:00 PM
21-Sep	30.14	100	62	63	---	0.07	20	PC
22-Sep	30.17	80	56	59	---	0.01	31	PC;lt. RF 3:00-4:00 AM
23-Sep	30.07	83	39	45	---	0.00	10	clear
24-Sep	29.92	88	45	58	54	0.00	15	clear
25-Sep	29.92	89	58	70	67	0.00	29	PC
26-Sep	29.90	88	70	71	---	0.00	47	MC
27-Sep	29.89	90	69	70	---	0.00	39	PC
28-Sep	29.96	92	69	70	---	0.00	32	MC;lt. fog
29-Sep	30.26	94	56	57	---	0.00	27	clear
30-Sep	30.22	75	40	45	---	0.00	21	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. 9-20-99;100 deg. record high for day
Min. Temp.	39 °	
Avg. High	91.8 °	
Avg. Low	62.7 °	
Avg. Temp	77.3 °	
Total RF	0.97 "	
Max. RF	0.89 "	
Low RH	10 %	
Avg. Low RH	28.2 %	
Avg. Soil Temp	80.5 °	
Year To Date RF	15.01 "	

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

DATE 1999	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Oct	30.04	83	45	50	46	0.00	17	clear
02-Oct	30.06	85	50	65	58	0.00	30	PC
03-Oct	30.07	90	65	71	70	0.00	30	MC
04-Oct	30.12	92	62	64	---	0.00	30	PC;lt.fog
05-Oct	30.17	84	55	57	---	0.00	41	clear
06-Oct	30.09	91	57	64	---	0.00	28	clear
07-Oct	29.95	90	53	55	---	0.00	31	PC
08-Oct	29.88	86	55	62	58	0.00	18	MC
09-Oct	29.98	90	58	59	---	0.00	22	PC
10-Oct	30.06	82	53	57	---	0.00	32	PC
11-Oct	30.19	88	57	59	---	0.00	26	PC
12-Oct	30.14	88	57	58	---	0.00	27	clear
13-Oct	30.09	89	54	56	---	0.00	23	lt. fog
14-Oct	30.09	90	56	59	---	0.00	22	PC
15-Oct	29.96	90	59	69	67	0.00	36	cldy;drizzle 9:00-11:00 AM
16-Oct	29.95	88	69	70	---	T	39	PC;RF 10:30 PM-midnight
17-Oct	29.98	86	55	55	---	1.48	44	cldy;RF midnight-5:00 AM;11:00 AM-4:00 PM
18-Oct	30.16	55	43	46	---	0.17	75	cldy;RF midnight-2 AM;occas. lt. RF during day
19-Oct	30.28	51	37	41	---	0.04	60	cldy
20-Oct	30.38	64	33	37	---	0.00	29	clear
21-Oct	30.25	72	34	38	---	0.00	18	clear
22-Oct	30.15	78	38	41	---	0.00	17	clear
23-Oct	30.18	86	41	44	42	0.00	8	clear
24-Oct	30.20	79	39	40	---	0.00	18	clear
25-Oct	30.24	80	39	44	---	0.00	17	clear
26-Oct	30.20	79	44	48	---	0.00	24	PC;lt.haze
27-Oct	30.16	81	44	48	---	0.00	19	lt. fog/haze
28-Oct	30.18	77	48	64	59	0.00	34	cldy
29-Oct	30.06	81	63	63	---	0.00	35	cldy
30-Oct	30.00	81	56	56	---	0.56	43	RF 5:00 AM-10:00 AM
31-Oct	30.02	65	40	45	---	0.08	56	PC;windy

Max. Temp. 92 °
 Min. Temp. 33 °
 Avg. High 81.3 °
 Avg. Low 50.3 °
 Avg. Temp 65.8 °
 Total RF 2.33 "
 Max. RF 1.48 "
 Low RH 8 %
 Avg. Low RH 30.6 %
 Avg. Soil Temp 69.2 °

NOTE

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

Year To Date RF 17.34 "

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

DATE 1999	B. P. 8 AM	--TEMPERATURES--				RAIN FALL	LOW RH	COMMENTS
		HI	LO	8AM	ONL			
01-Nov	30.08	69	45	48	---	0.00	32	clear
02-Nov	30.43	77	48	50	---	0.00	32	clear
03-Nov	30.31	62	29	41	---	0.00	14	clear; 1st freeze of season
04-Nov	30.19	67	41	53	---	0.00	17	PC
05-Nov	30.28	77	53	62	59	0.00	22	cldy
06-Nov	30.16	78	62	64	---	0.00	42	PC
07-Nov	30.20	77	51	58	---	0.00	42	PC
08-Nov	30.27	77	40	50	---	0.00	38	clear
09-Nov	30.15	77	46	54	---	0.00	24	clear
10-Nov	30.17	77	49	61	---	0.00	37	cldy
11-Nov	30.27	79	49	55	---	0.00	33	PC
12-Nov	30.30	80	47	55	---	0.00	38	PC
13-Nov	30.27	82	43	51	---	0.00	21	PC
14-Nov	30.22	81	40	48	---	0.00	15	clear
15-Nov	30.19	83	40	50	---	0.00	17	clear
16-Nov	30.10	82	40	49	---	0.00	18	clear
17-Nov	30.08	81	40	49	---	0.00	20	lt. haze
18-Nov	30.03	76	49	61	59	0.00	32	cldy
19-Nov	30.07	78	61	65	---	0.00	39	cldy
20-Nov	30.05	77	36	48	---	0.00	23	PC
21-Nov	29.90	76	48	63	50	0.00	23	cldy
22-Nov	29.81	76	63	65	---	0.00	61	cldy
23-Nov	30.10	74	48	54	---	0.00	50	clear
24-Nov	30.24	69	42	43	---	0.00	17	PC;Trace of light RF late afternoon
25-Nov	30.18	56	31	37	---	T	38	clear
26-Nov	30.09	60	25	36	---	0.00	17	clear
27-Nov	30.12	70	32	44	---	0.00	13	clear
28-Nov	30.20	76	38	48	---	0.00	18	clear
29-Nov	30.46	80	42	50	---	0.00	27	clear
30-Nov	30.52	71	45	49	---	0.00	31	cldy

November Totals and Averages

Max. Temp.	83 °
Min. Temp.	25 °
Avg. High	74.8 °
Avg. Low	44.1 °
Avg. Temp	59.5 °
Total RF	0.00 "
Max. RF	0.00 "
Low RH	13 %
Avg. Low RH	28.4 %
Avg. Soil Temp	60.0 °
Year To Date RF	17.34 "

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 1999	B. P. 8 AM	--TEMPERATURES--			RAIN	LOW	COMMENTS	
		HI	LO	8AM ONL	FALL	RH		
01-Dec	30.31	68	45	52	---	0.00	44	cldy;lt. fog/haze
02-Dec	30.05	69	52	63	58	0.00	45	cldy
03-Dec	29.83	75	57	59	---	0.00	38	cldy;lt. fog
04-Dec	29.95	78	56	56	---	0.00	31	MC
05-Dec	30.04	70	37	39	---	0.00	7	PC;windy
06-Dec	30.29	58	19	27	---	0.00	8	clear
07-Dec	30.09	65	27	45	34	0.00	14	PC
08-Dec	29.99	69	45	61	57	0.00	34	cldy;trace of RF late PM
09-Dec	30.12	74	50	51	---	0.02	57	clear;lt. RF about 3:00 AM
10-Dec	30.23	61	25	33	---	0.00	26	clear
11-Dec	30.19	66	33	57	46	0.00	15	cldy;lt. RF 9:00 AM-2:00 PM;9:00 PM-midnight
12-Dec	30.05	62	48	48	---	0.40	92	RF midnight-3:00 AM;drizzle 2:00 PM-4:00PM
13-Dec	30.10	48	29	33	---	T	66	clear
14-Dec	29.92	61	27	36	---	0.00	15	clear;dust in air as cold front arrives 5:30 PM
15-Dec	30.39	71	24	32	---	0.00	12	clear
16-Dec	30.29	57	22	31	---	0.00	8	clear
17-Dec	30.06	61	28	33	---	0.00	12	PC;lt. patchy fog
18-Dec	30.06	68	33	40	---	0.00	21	PC
19-Dec	30.05	62	31	39	---	0.00	22	clear
20-Dec	30.04	67	39	39	---	0.00	19	cldy;lt. fog/haze;lt. drizzle 9:00-11:00 PM
21-Dec	30.18	42	32	32	---	T	50	cldy
22-Dec	30.30	45	22	33	---	0.00	38	PC
23-Dec	30.48	53	31	35	---	0.00	44	PC
24-Dec	30.36	55	35	46	38	0.00	24	MC
25-Dec	30.32	66	46	47	---	0.00	18	MC
26-Dec	30.30	59	38	47	---	0.00	32	PC
27-Dec	30.29	62	37	39	---	0.00	37	PC
28-Dec	30.15	71	31	37	---	0.00	29	clear
29-Dec	30.08	69	35	40	---	0.00	15	clear
30-Dec	29.92	81	36	44	---	0.00	12	PC
31-Dec	30.02	73	39	42	---	0.00	15	PC

December Totals and Averages

Max. Temp.	81 °
Min. Temp.	19 °
Avg. High	64.1 °
Avg. Low	35.8 °
Avg. Temp	50.0 °
Total RF	0.42 "
Max. RF	0.40 "
Low RH	7 %
Avg. Low RH	29.0 %
Avg. Soil Temp	51.4 °

NOTE

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

Year To Date RF 17.76 "