

AVERAGE LOW TEMPERATURES  
 Knipling-Bushland US Livestock Insects Research Laboratory  
 USDA-ARS Kerrville, Texas

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	30.8	37.4	38.6	49.3	62.0	66.4	66.9	68.4	65.3	51.5	32.9	35.6
1960	33.3	29.6	38.5	52.7	56.6	65.5	68.2	68.9	58.7	57.0	44.5	33.5
1961	28.0	34.6	42.0	47.3	59.3	65.5	67.1	63.5	63.5	M	37.9	33.0
1962	24.3	38.1	36.5	49.4	60.2	65.0	68.5	66.3	63.2	57.1	39.2	31.7
1963	21.5	27.2	42.2	54.5	61.3	66.5	67.2	65.9	61.0	52.6	41.8	25.5
1964	26.2	27.5	41.2	54.3	62.4	65.2	M	68.1	63.5	44.4	42.8	30.7
1965	34.8	34.1	36.7	56.3	62.5	66.0	66.4	65.5	63.3	47.5	44.7	39.8
1966	29.4	31.6	41.6	53.2	60.3	66.1	69.5	67.2	61.8	46.7	41.7	27.2
1967	27.9	30.7	46.1	59.0	56.3	67.9	69.1	65.1	60.2	48.8	42.7	33.2
1968	35.1	32.3	43.0	M	M	65.5	67.1	66.5	57.9	53.1	40.4	33.8
1969	38.5	37.6	38.2	52.0	57.7	66.2	69.9	67.8	64.5	53.3	40.0	35.4
1970	27.3	36.0	39.2	51.1	54.1	63.3	M	M	M	46.8	35.0	40.4
1971	32.2	34.5	39.4	49.6	59.2	68.3	68.0	64.5	64.0	56.2	44.1	38.9
1972	32.1	34.4	46.8	55.3	58.2	64.8	67.0	65.4	64.7	50.7	33.5	27.6
1973	26.5	32.6	42.3	47.0	54.4	62.8	66.8	63.4	62.6	52.8	46.6	27.3
1974	29.0	29.8	49.5	48.2	60.6	62.3	64.1	M	M	53.3	40.7	29.7
1975	34.5	32.8	39.5	50.6	59.5	65.9	66.2	67.4	58.2	50.4	40.1	32.3
1976	26.9	40.7	46.4	54.5	56.0	64.8	67.8	65.1	62.7	44.5	36.5	30.8
1977	27.6	33.8	44.1	50.5	63.5	66.4	68.8	70.2	67.5	54.2	42.2	33.7
1978	27.6	29.9	40.6	54.0	62.7	67.1	69.7	68.0	65.5	51.0	46.8	33.4
1979	27.4	34.0	45.0	52.6	56.0	65.9	69.5	68.3	58.6	53.7	37.8	34.3
1980	34.6	34.2	40.6	47.3	60.5	70.3	69.4	68.5	67.1	48.9	39.8	38.5
1981	34.6	37.0	44.0	57.3	60.1	67.7	70.4	67.1	61.5	56.8	43.7	34.3
1982	31.8	33.8	49.8	53.6	62.0	67.6	70.1	68.9	62.4	52.9	46.0	35.9
1983	31.8	34.6	42.6	48.0	59.3	64.4	69.5	68.8	63.8	55.7	44.7	25.6
1984	29.3	34.4	46.0	49.6	60.2	68.1	67.0	67.3	60.6	57.6	43.0	45.8
1985	26.9	34.8	50.0	55.0	61.6	66.3	67.9	68.6	63.9	57.0	50.8	30.4
1986	32.8	38.8	44.4	58.3	60.8	68.3	69.0	68.4	69.9	53.6	43.2	38.1
1987	31.1	40.3	38.8	45.1	61.3	66.3	69.5	69.9	61.3	51.6	41.4	35.0
1988	28.5	34.2	42.4	46.8	58.1	64.5	69.6	68.5	62.1	53.5	43.6	35.8
1989	37.1	35.4	43.0	52.3	63.5	66.0	68.8	68.9	57.4	50.5	43.5	25.4
1990	36.5	40.1	47.2	53.6	62.3	70.2	67.8	67.9	63.9	47.9	46.6	33.0
1991	32.7	38.2	44.2	53.4	63.4	67.0	68.8	68.4	61.7	54.4	40.1	40.8
1992	35.2	39.7	45.0	53.8	59.7	67.2	70.3	65.9	64.3	53.2	39.6	40.0
1993	34.5	37.2	43.5	48.3	55.9	68.4	71.1	69.5	61.7	52.0	38.4	38.6
1994	35.5	36.8	46.8	51.2	61.0	68.5	69.8	68.4	60.2	55.8	46.7	40.0
1995	34.2	38.3	44.2	50.6	61.6	64.6	68.3	69.4	64.3	50.1	42.6	37.4
1996	28.3	38.0	38.5	48.6	65.6	68.0	70.5	69.5	63.2	52.6	45.9	34.7
1997	32.9	37.7	46.7	48.1	59.1	66.3	68.9	69.2	64.9	53.8	39.8	31.4
1998	39.1	37.3	43.0	48.9	63.4	70.5	71.7	69.5	66.2	57.2	49.4	36.5
1999	35.7	42.4	46.7	56.1	62.7	69.8	70.0	68.8	62.7	50.3	44.1	35.8
2000	38.2	44.4	50.3	55.0	66.1	68.9	70.0	69.1	61.4	59.2	42.5	32.3
2001	33.6	41.8	41.0	57.9	63.0	69.0	71.5	70.9	63.1	53.0	50.1	37.1
2002	33.9	32.0	43.4	59.5	63.6	68.6	69.5	70.2	62.2	57.5	40.2	36.1
2003	33.5	37.8	45.8	53.9	66.0	66.6	69.7	68.9	62.9	53.7	48.4	35.0
2004	39.5	35.4	51.4	53.9	62.7	67.7	68.2	67.3	63.4	62.1	45.9	33.3
2005	41.2	43.0	43.6	50.9	60.5	67.9	71.0	69.5	66.6	53.4	45.6	32.0
2006	35.3	35.9	50.6	59.8	62.3	66.8	70.5	72.1	62.2	53.7	47.1	37.3
2007	32.5	36.0	50.7	50.2	62.2	68.2	69.7	71.1	66.4	54.5	47.5	35.6
2008	33.1	37.9	45.8	52.5	63.1	71.0	70.2	70.7	60.8	51.2	43.6	36.1
2009	32.3	42.4	48.2	50.7	63.3	70.3	72.4	71.0	63.6	54.2	43.7	33.0

AVERAGE LOW TEMPERATURES  
 Knipling-Bushland US Livestock Insects Research Laboratory  
 USDA-ARS Kerrville, Texas

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2010	32.8	34.1	39.8	53.0	62.8	71.4	72.2	71.2	66.1	51.5	44.9	35.1
2011	32.0	36.6	48.4	56.1	63.8	69.5	72.4	72.3	61.3	51.9	44.4	37.6
2012	35.5	41.4	49.9	57.7	63.0	69.3	70.5	70.1	63.4	54.5	46.5	37.4
2013	37.0	38.1	42.9	50.7	58.9	68.8	69.0	69.5	65.0	54.9	40.6	32.6
2014	27.4	35.6	40.9	52.8	58.2	69.5	69.5	69.2	65.2	56.5	39.2	41.4
2015	31.5	35.4	43.5	55.8	62.5	68.0	70.7	69.0	64.9	54.7	46.8	35.9
2016	32.2	37.3	46.7	52.6	60.9	67.9	72.4	70.5	65.9	57.0	50.9	40.7
2017	38.3	44.5	52.1	53.1	58.8	67.0	71.1	70.0	63.9	51.9	49.5	36.8
2018	29.3	41.7	49.0	50.0	64.5	71.5	70.3	70.9	67.0	56.6	39.9	35.9
2019	35.8	43.0	44.4	50.1	63.6	67.6	68.9	72.5	69.2	52.2	40.2	34.7
2020	38.1	36.9	53.9	51.8	61.0	66.9	72.1	69.8	62.1	52.3	47.0	32.8
AVG.	32.3	36.3	44.2	52.4	60.9	67.3	69.3	68.5	63.3	53.1	43.0	34.7
30 YR. AVG. (1991-2020)	34.4	38.6	46.0	52.9	62.1	68.4	70.4	69.8	63.9	54.2	44.4	36.1