

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1350 ft. Lat: 36.5381° N Lon: 98.2661° W

Station: HELENA 1 SSE, OK US USC00344019

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	46.8	23.3	35.1	3.9	3.1	3.1	1.2	0.4	0.1	0.0	0.0	0.0	619.5	680.8	773.5	928.4	0.0	0.0	14.1	5.0	27.4	0.2
02	51.0	26.5	38.7	5.4	4.1	4.4	5.2	2.8	1.1	0.2	0.0	0.0	460.1	513.6	596.0	735.1	0.0	0.0	15.8	3.4	21.8	0.3
03	61.0	35.5	48.2	4.3	4.0	3.8	47.4	32.9	17.3	4.4	0.6	0.3	256.8	304.2	381.6	523.7	0.0	0.0	24.6	0.7	12.0	0.1
04	70.2	44.2	57.2	3.8	3.3	3.2	147.9	114.1	73.1	27.3	7.2	3.8	81.8	108.1	157.0	261.3	0.0	0.6	28.7	0.0	3.5	0.0
05	79.5	55.7	67.6	4.0	2.7	3.2	397.9	341.6	262.9	151.6	71.2	48.4	7.3	13.0	27.3	71.0	0.2	4.7	31.0	0.0	0.1	0.0
06	89.7	65.8	77.8	3.5	2.2	2.7	682.5	622.6	532.9	384.9	243.4	191.3	0.1	0.2	0.5	2.5	2.2	16.6	30.0	0.0	0.0	0.0
07	95.0	70.3	82.7	3.4	2.0	2.6	857.0	795.0	702.0	547.4	394.2	334.0	0.0	0.0	0.0	0.4	8.5	25.1	31.0	0.0	0.0	0.0
08	93.2	68.7	80.9	3.6	2.1	2.7	804.3	742.3	649.4	494.7	342.3	283.7	0.0	0.0	0.0	0.3	7.6	21.8	31.0	0.0	0.0	0.0
09	85.3	60.6	73.0	3.5	3.0	3.0	541.0	482.8	397.6	263.0	149.4	112.3	2.6	4.4	9.1	24.6	1.0	10.8	29.9	0.0	0.0	0.0
10	72.7	47.5	60.1	3.8	2.6	2.8	215.7	173.9	120.0	55.4	17.6	10.0	57.6	77.8	116.9	207.3	0.0	1.6	30.1	0.1	1.7	0.0
11	59.1	35.0	47.1	5.0	3.5	3.8	35.5	24.3	12.5	2.8	0.5	0.2	274.0	322.8	401.0	541.2	0.0	0.0	23.7	0.7	13.4	0.0
12	48.1	26.0	37.1	3.5	3.3	3.0	1.9	0.9	0.2	0.0	0.0	0.0	558.2	619.2	711.5	866.3	0.0	0.0	14.6	3.6	25.2	0.2
Summary	71.0	46.6	58.8	4.0	3.0	3.2	3737	3334	2769	1932	1226	984	2318	2644	3174	4162	19.5	81.2	304.5	13.5	105.1	0.8

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 1350 ft. Lat: 36.5381° N Lon: 98.2661° W
Station: **HELENA 1 SSE, OK US USC00344019**

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	1.04	3.9	2.1	0.5	0.2	0.18	0.65	1.67
02	1.25	4.8	2.5	0.6	0.4	0.46	0.83	1.69
03	2.22	6.3	3.8	1.4	0.6	0.90	2.21	2.73
04	3.27	7.5	4.6	1.9	1.0	1.80	2.58	5.09
05	4.37	9.2	6.3	2.5	1.5	2.40	3.79	5.04
06	4.42	8.1	5.9	3.1	1.5	2.96	4.04	5.28
07	3.22	6.5	4.6	1.9	1.2	1.68	3.19	4.40
08	3.71	8.0	5.4	2.6	1.3	2.34	3.39	5.59
09	2.56	6.1	3.7	1.3	0.7	1.52	2.01	2.42
10	3.03	6.2	4.0	2.1	1.0	1.06	2.42	3.68
11	1.60	4.6	2.6	1.1	0.4	0.50	0.93	2.13
12	1.45	4.8	3.0	0.9	0.3	0.37	1.09	2.41
Summary	32.14	76.0	48.5	19.9	10.1	16.17	27.13	42.13

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1350 ft. Lat: 36.5381° N Lon: 98.2661° W
Station: HELENA 1 SSE, OK US USC00344019

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	3.10	1.6	1.3	0.4	0.1	0.0	3.5	1.2	0.6	0.0	0.20	1.00	6.10
02	2.40	1.6	1.1	0.3	0.1	0.0	2.8	1.3	0.6	0.0	0.00	0.50	3.90
03	3.20	0.9	0.8	0.4	0.2	0.1	1.5	0.7	0.4	0.1	0.00	0.00	5.40
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.20	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.2	0.2	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.00	0.00	0.30
12	3.40	1.7	1.4	0.6	0.2	0.0	3.7	1.7	0.7	0.0	0.00	2.40	6.40
Summary	12.7	6.2	4.9	1.7	0.6	0.1	12.2	5.1	2.3	0.1	0.2	3.9	22.1

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1350 ft. Lat: 36.5381° N Lon: 98.2661° W
Station: **HELENA 1 SSE, OK US USC00344019**

Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	57.0	106.2	299.6	520.9	855.6	1132.3	1321.9	1269.2	988.3	627.1	256.3	75.2
45	19.8	50.8	187.7	380.6	700.8	982.4	1167.0	1114.3	838.5	478.5	154.8	29.5
50	5.8	19.6	103.3	252.6	546.9	832.4	1012.0	959.3	688.9	338.4	80.4	8.5
55	1.2	5.2	47.4	147.9	397.9	682.5	857.0	804.3	541.0	215.7	35.5	1.9
60	0.1	1.1	17.3	73.1	262.9	532.9	702.0	649.4	397.6	120.0	12.5	0.2
Growing Degree Units for Corn (Monthly)												
50/86	58.7	89.2	203.4	325.8	544.0	754.5	864.5	834.6	646.4	390.4	168.2	61.8

Growing Degree Units (Accumulated Monthly)												
40	57	163	463	984	1839	2972	4294	5563	6551	7178	7434	7510
45	20	71	258	639	1340	2322	3489	4603	5442	5920	6075	6105
50	6	25	129	381	928	1761	2773	3732	4421	4759	4840	4848
55	1	6	54	202	600	1282	2139	2943	3484	3700	3736	3737
60	0	1	18	92	354	887	1589	2239	2636	2756	2769	2769
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	59	148	351	677	1221	1976	2840	3675	4321	4711	4880	4941

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.