

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 1033 ft. Lat: 36.7836° N Lon: 97.2900° W

Station: BLACKWELL 1SSW, OK US USC00340818

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	46.9	22.2	34.6	4.3	3.0	3.2	0.8	0.4	0.1	0.0	0.0	0.0	634.6	696.2	788.9	943.8	0.0	0.0	13.5	4.8	26.5	0.2
02	51.8	25.6	38.7	5.4	4.1	4.3	6.6	3.8	1.6	0.2	0.0	0.0	462.9	516.1	597.9	736.5	0.0	0.0	15.9	2.6	20.1	0.2
03	61.3	34.3	47.8	4.4	4.5	4.2	44.4	31.1	16.5	4.2	0.4	0.1	267.7	316.4	394.7	537.4	0.0	0.0	25.0	0.5	11.4	0.0
04	70.7	43.6	57.2	3.8	3.4	3.3	144.7	111.2	70.5	25.5	6.0	3.0	80.1	106.7	156.0	261.0	0.0	0.6	29.0	0.0	2.5	0.0
05	79.2	54.9	67.1	3.5	2.9	3.0	380.0	323.4	244.0	134.4	58.5	38.6	6.5	11.9	25.5	70.9	0.1	3.6	30.9	0.0	0.0	0.0
06	88.6	64.9	76.8	3.4	2.4	2.8	652.4	592.5	502.9	355.2	215.3	164.6	0.1	0.1	0.5	2.8	1.2	14.4	30.0	0.0	0.0	0.0
07	93.8	69.3	81.5	3.6	2.6	2.9	822.9	760.9	667.9	513.1	359.8	299.8	0.0	0.0	0.0	0.1	6.5	22.6	31.0	0.0	0.0	0.0
08	92.7	67.7	80.2	4.3	2.2	3.1	781.0	719.0	626.1	471.3	319.6	262.0	0.0	0.0	0.0	0.2	6.2	20.8	31.0	0.0	0.0	0.0
09	84.8	59.6	72.2	3.7	3.2	3.1	517.9	459.4	373.6	240.2	131.3	97.0	1.9	3.5	7.6	24.3	1.1	8.7	30.0	0.0	0.0	0.0
10	73.2	46.6	59.9	3.4	2.7	2.6	208.4	166.5	112.3	46.7	13.4	7.4	56.5	76.6	115.3	204.9	0.0	1.1	30.5	0.0	1.5	0.0
11	60.0	34.4	47.2	5.1	3.7	4.0	35.3	23.9	11.7	2.1	0.3	0.1	269.3	317.8	395.6	536.1	0.0	0.0	24.1	0.5	11.6	0.0
12	48.7	25.5	37.1	3.6	3.6	3.3	2.9	1.6	0.6	0.0	0.0	0.0	557.6	618.3	710.2	864.7	0.0	0.0	15.0	3.0	22.8	0.1
Summary	71.0	45.7	58.4	4.0	3.2	3.3	3597	3194	2628	1793	1105	873	2337	2664	3192	4183	15.1	71.8	305.9	11.4	96.4	0.5

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

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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	1.25	4.5	2.5	0.6	0.3	0.29	0.83	2.02
02	1.41	5.2	2.9	0.8	0.3	0.68	1.16	1.98
03	2.83	6.9	4.6	1.8	0.8	1.15	2.45	4.03
04	3.92	7.8	5.3	2.5	1.3	2.60	3.70	5.34
05	5.39	9.3	7.0	3.1	1.5	2.91	4.44	6.35
06	5.14	9.1	6.7	3.7	1.9	2.52	4.94	7.84
07	4.38	7.7	5.8	3.1	1.4	2.62	3.91	5.48
08	4.12	7.8	5.6	2.5	1.4	2.28	3.60	5.23
09	3.17	6.4	4.3	2.0	0.8	1.80	2.82	4.40
10	3.61	6.5	4.8	2.2	0.9	1.93	2.77	4.98
11	1.92	5.2	2.9	1.2	0.4	0.45	1.27	3.11
12	1.68	5.2	3.2	1.1	0.4	0.45	1.54	2.83
Summary	38.82	81.6	55.6	24.6	11.4	19.68	33.43	53.59

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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	2.00	1.2	0.9	0.2	0.1	0.0	2.0	0.8	0.3	0.0	0.20	1.00	4.00
02	1.70	0.9	0.4	0.2	0.1	0.1	1.7	0.8	0.3	0.1	0.00	0.00	0.60
03	1.40	0.5	0.5	0.2	0.1	0.0	0.9	0.3	0.1	0.0	0.00	0.00	2.00
04	0.10	0.0	0.0	0.0	0.0	0.0	0.1	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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	2.60	1.1	1.0	0.5	0.2	0.0	2.9	1.2	0.5	0.0	0.00	0.00	5.90
Summary	7.9	3.8	2.9	1.1	0.5	0.1	7.7	3.1	1.2	0.1	0.2	1.0	12.5

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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	52.0	104.0	287.9	519.1	838.6	1102.3	1287.9	1246.0	965.9	619.0	260.7	76.6
45	17.0	50.7	180.2	378.2	683.8	952.4	1132.9	1091.0	815.9	469.7	158.1	31.6
50	4.6	21.0	98.6	250.7	529.7	802.4	977.9	936.0	666.1	330.0	82.3	10.2
55	0.8	6.6	44.4	144.7	380.0	652.4	822.9	781.0	517.9	208.4	35.3	2.9
60	0.1	1.6	16.5	70.5	244.0	502.9	667.9	626.1	373.6	112.3	11.7	0.6
Growing Degree Units for Corn (Monthly)												
50/86	57.7	92.8	205.8	332.2	536.4	739.1	849.3	819.3	632.4	393.5	177.7	63.9

Growing Degree Units (Accumulated Monthly)												
40	52	156	444	963	1802	2904	4192	5438	6404	7023	7283	7360
45	17	68	248	626	1310	2262	3395	4486	5302	5772	5930	5962
50	5	26	124	375	905	1707	2685	3621	4287	4617	4699	4710
55	1	7	52	196	576	1229	2052	2833	3351	3559	3594	3597
60	0	2	18	89	333	836	1504	2130	2503	2616	2627	2628
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	58	150	356	688	1225	1964	2813	3633	4265	4658	4836	4900

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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