

Summary of Monthly Normals
1981-2010

Generated on 05/23/2024

Current Location: Elev: 1000 ft. Lat: 36.5297° N Lon: 97.4472° W
Station: **BILLINGS, OK US USC00340755**

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	45.2	22.1	33.7	5.3	3.5	4.1	1	1	-7777	0	0	0	663	724	817	972	0.0	0.0	12.0	5.4	26.9	0.4
02	50.4	26.4	38.4	5.8	4.3	4.6	5	2	1	-7777	0	0	469	523	606	745	0.0	0.0	14.9	2.8	19.5	0.3
03	58.6	35.0	46.8	4.7	3.4	3.7	37	25	12	2	-7777	-7777	291	341	422	566	0.0	0.0	22.7	0.7	11.6	0.0
04	68.9	44.2	56.6	4.2	3.2	3.4	137	106	67	25	6	3	91	119	171	279	0.0	0.2	28.7	0.0	2.4	0.0
05	78.0	55.5	66.7	3.0	2.8	2.7	370	313	234	123	48	29	5	10	24	68	-7777	1.3	31.0	0.0	-7777	0.0
06	87.5	65.3	76.4	3.3	2.5	2.7	642	582	492	346	208	158	-7777	-7777	-7777	4	0.5	11.4	30.0	0.0	0.0	0.0
07	93.4	70.2	81.8	2.8	1.9	2.1	831	769	676	521	367	307	0	0	0	-7777	3.9	22.6	31.0	0.0	0.0	0.0
08	92.7	69.0	80.9	4.0	2.2	3.0	801	739	646	492	341	283	0	-7777	-7777	-7777	4.9	21.4	31.0	0.0	0.0	0.0
09	84.1	59.7	71.9	3.8	2.9	3.0	510	453	369	239	134	100	3	6	12	32	0.9	8.4	30.0	0.0	-7777	0.0
10	72.2	47.0	59.6	3.6	2.7	2.5	198	157	104	42	11	6	56	76	116	210	0.0	0.3	30.4	0.0	1.7	0.0
11	59.0	35.5	47.2	4.5	3.5	3.6	40	27	14	4	-7777	-7777	272	320	397	536	0.0	0.0	23.5	0.3	11.5	0.0
12	46.5	25.0	35.7	5.3	4.6	4.7	2	1	1	-7777	0	0	599	660	752	907	0.0	0.0	12.7	3.7	23.8	0.5
Summary	69.7	46.2	58.0	4.2	3.1	3.3	3574	3175	2616	1794	1115	886	2449	2779	3317	4319	10.2	65.6	297.9	12.9	97.4	1.2

-7777: a non-zero value that would round to zero
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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	1.17	4.1	2.4	0.7	0.2	0.41	1.02	1.77
02	1.53	4.7	3.0	0.9	0.3	0.45	1.29	2.17
03	3.19	6.5	5.0	2.2	0.9	1.62	2.47	4.71
04	3.32	6.2	5.1	2.0	1.1	1.59	3.46	4.13
05	4.46	7.3	6.3	3.2	1.5	2.26	3.95	5.41
06	5.10	7.0	6.1	3.6	1.8	2.37	4.61	7.66
07	3.18	5.1	4.5	2.3	1.2	1.84	3.10	4.43
08	3.13	5.3	4.2	2.2	1.1	1.12	2.08	5.29
09	3.33	5.6	4.4	2.1	0.9	1.75	3.15	4.77
10	3.42	5.5	4.3	2.3	1.0	1.60	2.72	4.75
11	2.18	4.2	3.2	1.3	0.7	0.83	1.93	3.10
12	1.52	4.8	3.2	1.1	0.3	0.55	1.11	1.98
Summary	35.53	66.3	51.7	23.9	11.0	16.39	30.89	50.17

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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	2.3	1.2	0.7	0.3	0.1	0.0	2.3	0.6	0.3	0.0	0.0	1.3	4.4
02	2.0	1.2	0.6	0.3	0.1	0.0	1.5	0.6	0.2	0.0	0.0	0.6	3.5
03	1.8	0.7	0.5	0.2	0.1	-7777	0.6	0.1	0.1	-7777	0.0	0.0	1.0
04	0.0	-7777	-7777	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.2	0.1	-7777	-7777	-7777	0.0	-7777	-7777	-7777	0.0	0.0	0.0	0.0
12	1.5	1.1	0.8	0.3	0.1	0.0	2.3	1.0	0.2	0.0	0.0	0.2	2.4
Summary	7.8	4.3	2.6	1.1	0.4	0.0	6.7	2.3	0.8	0.0	0.0	2.1	11.3

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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	49	98	262	500	829	1092	1296	1266	957	609	259	65
45	17	47	159	360	674	942	1141	1111	807	459	161	25
50	5	17	85	236	520	792	986	956	658	320	88	8
55	1	5	37	137	370	642	831	801	510	198	40	2
60	-7777	1	12	67	234	492	676	646	369	104	14	1
Growing Degree Units for Corn (Monthly)												
50/86	50	82	171	309	530	740	864	840	627	381	166	53
Growing Degree Units (Accumulated Monthly)												
40	49	147	409	909	1738	2830	4126	5392	6349	6958	7217	7282
45	17	64	223	583	1257	2199	3340	4451	5258	5717	5878	5903
50	5	22	107	343	863	1655	2641	3597	4255	4575	4663	4671
55	1	6	43	180	550	1192	2023	2824	3334	3532	3572	3574
60	0	1	13	80	314	806	1482	2128	2497	2601	2615	2616
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	50	132	303	612	1142	1882	2746	3586	4213	4594	4760	4813

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