

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 949 ft. Lat: 40.2575° N Lon: 94.0269° W

Station: BETHANY, MO US USC00230608

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	34.0	15.6	24.8	4.7	4.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	935.9	997.9	1091.0	1246.0	0.0	0.0	4.3	14.0	29.6	4.5
02	39.0	19.4	29.2	6.6	6.1	6.2	1.0	0.6	0.2	0.0	0.0	0.0	723.2	778.8	862.5	1002.3	0.0	0.0	6.5	9.3	25.2	2.3
03	51.6	29.6	40.6	5.2	4.6	4.6	18.3	12.2	6.4	1.6	0.1	0.0	464.7	520.7	607.8	758.0	0.0	0.0	17.1	2.3	20.3	0.5
04	62.7	40.6	51.6	3.9	3.5	3.5	72.2	51.9	29.1	7.8	0.6	0.2	172.7	212.5	279.7	408.4	0.0	0.0	26.1	0.1	6.5	0.0
05	72.7	51.2	61.9	3.5	3.1	3.1	246.0	199.3	138.2	62.4	19.9	11.2	30.5	45.8	77.7	157.0	0.0	0.4	30.8	0.0	0.2	0.0
06	82.2	61.7	71.9	2.4	2.2	2.1	508.9	449.5	361.6	222.8	106.7	71.5	0.6	1.1	3.2	14.4	0.1	3.8	30.0	0.0	0.0	0.0
07	86.6	66.1	76.4	3.4	2.6	2.8	661.7	599.7	506.7	353.0	207.1	154.8	0.0	0.0	0.0	1.3	0.7	9.9	31.0	0.0	0.0	0.0
08	85.3	63.7	74.5	3.0	2.6	2.6	604.3	542.5	450.0	298.4	161.5	116.0	0.0	0.1	0.6	4.0	0.5	7.6	31.0	0.0	0.0	0.0
09	77.7	55.0	66.4	3.3	3.4	3.2	351.6	298.6	224.5	121.6	50.9	32.9	11.2	18.1	34.0	81.1	0.0	1.9	30.0	0.0	0.2	0.0
10	65.3	43.1	54.2	3.4	2.4	2.7	109.0	81.4	49.4	18.2	4.7	2.5	133.8	168.2	229.2	353.0	0.0	0.1	28.2	0.0	4.7	0.0
11	50.7	30.8	40.7	5.7	4.6	4.9	14.0	8.9	3.7	0.5	0.0	0.0	441.4	496.4	581.1	728.0	0.0	0.0	16.5	2.5	17.5	0.1
12	38.4	21.0	29.7	4.9	4.7	4.6	0.5	0.2	0.0	0.0	0.0	0.0	784.6	846.3	939.2	1094.2	0.0	0.0	6.0	10.1	27.9	1.9
Summary	62.2	41.5	51.8	4.2	3.7	3.7	2587	2245	1770	1086	552	389	3699	4086	4706	5848	1.3	23.7	257.5	38.3	132.1	9.3

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	1.00	4.9	3.1	0.3	0.0	0.60	1.08	1.27
02	1.58	5.8	4.0	1.3	0.3	0.95	1.45	2.18
03	2.07	7.3	5.2	1.5	0.4	1.11	1.84	2.60
04	4.01	10.9	8.1	3.4	1.1	3.35	4.06	4.88
05	5.53	11.6	8.1	3.7	1.7	3.72	4.97	6.88
06	5.19	9.9	7.9	3.6	1.6	2.74	4.63	7.28
07	4.96	8.5	6.4	3.1	1.8	1.91	3.74	6.12
08	4.20	8.3	6.5	2.7	1.3	2.12	3.64	5.19
09	3.90	6.9	5.4	2.6	1.3	2.41	3.56	4.37
10	3.05	7.3	5.3	1.8	0.9	1.54	2.71	3.78
11	1.98	6.0	4.4	1.2	0.5	1.13	1.74	2.79
12	1.66	5.3	3.6	1.2	0.4	1.10	1.41	1.98
Summary	39.13	92.7	68.0	26.4	11.3	22.68	34.83	49.32

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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	5.40	3.0	2.2	1.0	0.3	0.0	10.7	6.7	3.9	1.2	2.20	3.50	5.20
02	5.20	2.7	1.7	1.0	0.4	0.0	8.3	5.5	3.7	0.7	0.00	1.50	9.80
03	3.30	0.9	0.7	0.3	0.1	0.0	1.6	0.8	0.2	0.0	0.50	2.50	5.00
04	0.30	0.3	0.2	0.1	0.0	0.0	0.3	0.2	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	0.10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	1.30	0.7	0.5	0.1	0.1	0.0	1.3	0.4	0.2	0.0	0.00	0.00	1.20
12	5.60	2.4	1.8	0.7	0.3	0.0	4.9	2.3	1.0	0.3	0.90	2.60	7.30
Summary	21.2	10.1	7.2	3.2	1.2	0.0	27.2	15.9	9.0	2.2	3.6	10.1	28.5

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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	11.6	30.0	146.3	368.4	680.7	958.3	1126.7	1069.3	790.4	450.0	142.9	26.2
45	2.7	12.2	82.0	245.1	526.6	808.3	971.7	914.3	640.9	313.7	75.8	8.0
50	0.1	3.9	41.9	143.7	378.6	658.4	816.7	759.3	493.2	198.0	34.6	1.8
55	0.0	1.0	18.3	72.2	246.0	508.9	661.7	604.3	351.6	109.0	14.0	0.5
60	0.0	0.2	6.4	29.1	138.2	361.6	506.7	450.0	224.5	49.4	3.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	10.4	22.5	98.6	214.4	411.6	645.5	774.1	724.5	504.0	261.3	86.1	16.9
Growing Degree Units (Accumulated Monthly)												
40	12	42	188	556	1237	2195	3322	4391	5182	5632	5775	5801
45	3	15	97	342	869	1677	2649	3563	4204	4518	4593	4601
50	0	4	46	190	568	1227	2043	2803	3296	3494	3528	3530
55	0	1	19	92	338	846	1508	2112	2464	2573	2587	2587
60	0	0	7	36	174	536	1042	1492	1717	1766	1770	1770
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	10	33	132	346	758	1403	2177	2902	3406	3667	3753	3770

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