

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 6240 ft. Lat: 35.7586° N Lon: 82.2711° W
Station: MT MITCHELL, NC US USC00315923

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	33.5	16.7	25.1	3.5	4.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	926.8	988.8	1081.8	1236.8	0.0	0.0	1.9	12.0	25.5	3.3
02	35.5	18.5	27.0	4.5	4.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	784.1	840.1	924.1	1064.1	0.0	0.0	2.3	8.6	23.5	1.7
03	41.0	23.6	32.3	5.1	4.7	4.8	0.1	0.0	0.0	0.0	0.0	0.0	703.8	765.7	858.7	1013.7	0.0	0.0	8.4	5.9	21.0	0.6
04	50.2	32.0	41.1	3.0	2.7	2.8	3.0	0.7	0.0	0.0	0.0	0.0	420.0	477.7	567.0	717.0	0.0	0.0	18.9	1.5	12.7	0.0
05	57.8	41.3	49.5	2.9	3.3	3.0	22.4	10.3	2.2	0.2	0.0	0.0	191.4	241.3	326.2	479.1	0.0	0.0	27.1	0.1	4.6	0.0
06	63.8	48.7	56.3	2.6	1.5	1.9	81.1	47.6	14.8	0.6	0.0	0.0	43.7	70.1	127.3	263.2	0.0	0.0	29.8	0.0	0.0	0.0
07	66.8	52.3	59.6	2.1	1.8	1.9	149.3	97.6	37.0	1.5	0.1	0.0	8.2	18.5	50.9	170.5	0.0	0.0	31.0	0.0	0.0	0.0
08	66.0	51.2	58.6	2.5	1.4	1.8	123.7	76.9	28.3	1.6	0.0	0.0	12.1	27.3	71.7	200.0	0.0	0.0	31.0	0.0	0.0	0.0
09	61.4	46.2	53.8	2.8	2.5	2.4	46.2	23.4	5.4	0.0	0.0	0.0	82.2	119.4	191.4	336.1	0.0	0.0	29.5	0.0	0.7	0.0
10	53.6	36.9	45.2	2.4	3.0	2.5	4.8	1.8	0.4	0.0	0.0	0.0	307.1	366.0	457.6	612.2	0.0	0.0	24.1	0.8	7.2	0.0
11	44.8	27.6	36.2	4.2	3.7	3.9	0.1	0.0	0.0	0.0	0.0	0.0	564.0	624.0	714.0	864.0	0.0	0.0	11.2	2.8	16.9	0.1
12	37.7	21.4	29.6	4.7	5.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	789.0	851.0	944.0	1099.0	0.0	0.0	3.9	7.8	23.9	0.8
Summary	51.0	34.7	42.9	3.4	3.2	3.2	431	258	88	4	0	0	4832	5390	6315	8056	0.0	0.0	219.1	39.5	136.0	6.5

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	7.47	14.1	10.4	4.6	2.2	5.27	6.50	8.51
02	5.62	12.4	9.4	4.0	1.7	3.83	5.32	6.69
03	7.22	14.1	11.2	4.4	1.9	5.12	7.18	8.60
04	6.52	12.6	9.8	3.9	1.9	4.24	6.24	8.38
05	6.08	14.2	10.2	3.7	1.3	3.07	4.78	8.08
06	5.46	16.1	10.5	4.0	1.8	4.15	4.79	6.76
07	6.92	17.8	11.8	4.5	1.8	3.91	5.93	7.75
08	7.69	16.1	11.0	4.5	1.8	4.01	6.78	11.06
09	8.76	12.7	8.7	4.5	2.4	3.29	5.98	11.55
10	6.29	10.3	7.3	3.2	1.8	3.32	5.73	9.31
11	6.17	10.4	7.8	4.1	2.1	4.25	6.29	7.67
12	6.89	13.1	9.9	4.9	2.4	4.97	5.72	8.51
Summary	81.09	163.9	118.0	50.3	23.1	49.43	71.24	102.87

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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	19.20	6.4	5.5	2.8	1.2	0.4	15.7	10.6	7.2	4.3	11.00	15.00	25.20
02	18.60	6.5	5.6	3.0	1.5	0.3	15.3	11.7	9.0	5.6	5.80	13.00	25.60
03	18.50	4.9	4.4	2.6	1.3	0.2	10.9	8.6	6.9	4.3	6.00	10.30	28.00
04	7.10	2.5	2.1	1.1	0.5	0.1	3.3	2.0	1.0	0.4	0.50	5.00	11.70
05	1.40	0.3	0.3	0.2	0.1	0.0	0.4	0.3	0.2	0.2	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	0.70	0.4	0.3	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.00	0.00	0.00
11	3.90	2.0	1.4	0.5	0.1	0.0	2.9	1.4	0.8	0.3	0.50	2.80	5.40
12	19.70	5.2	4.5	2.2	1.1	0.4	12.2	8.0	5.5	3.2	5.00	13.20	33.10
Summary	89.1	28.2	24.1	12.4	5.8	1.4	61.2	42.8	30.7	18.3	28.8	59.3	129.0

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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	7.7	9.2	38.9	134.8	314.9	487.7	605.9	576.5	415.4	210.1	63.0	21.1
45	1.1	1.4	11.4	61.8	187.1	339.7	451.0	421.6	270.8	104.1	19.1	4.5
50	0.1	0.1	1.7	18.9	84.3	198.3	296.3	267.4	141.0	34.0	2.4	0.4
55	0.0	0.0	0.1	3.0	22.4	81.1	149.3	123.7	46.2	4.8	0.1	0.0
60	0.0	0.0	0.0	0.0	2.2	14.8	37.0	28.3	5.4	0.4	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.4	2.4	16.3	61.2	137.4	228.1	306.2	282.5	183.0	86.5	22.6	4.9

Growing Degree Units (Accumulated Monthly)												
40	8	17	56	191	506	993	1599	2176	2591	2801	2864	2885
45	1	2	14	76	263	602	1054	1475	1746	1850	1869	1874
50	0	0	2	21	105	303	600	867	1008	1042	1044	1045
55	0	0	0	3	26	107	256	380	426	431	431	431
60	0	0	0	0	2	17	54	82	88	88	88	88
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	20	81	219	447	753	1036	1218	1305	1328	1332

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

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