

Summary of Monthly Normals 1981-2010

Generated on 09/23/2021

Current Location: Elev: 1126 ft. Lat: 44.2035° N Lon: -72.5623° W

Station: **BARRE MONTPELIER KNAPP STATE AIRPORT, VT US USW00094705**

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	26.4	7.0	16.7	5.5	6.3	5.8	-7777	-7777	0	0	0	0	1187	1249	1342	1497	0.0	0.0	0.9	20.7	30.0	10.2
02	30.3	9.5	19.9	4.0	4.9	4.2	0	0	0	0	0	0	983	1039	1123	1263	0.0	0.0	1.2	15.9	26.8	7.1
03	39.0	18.9	28.9	3.3	3.5	3.2	-7777	-7777	-7777	-7777	0	0	808	870	963	1117	0.0	0.0	4.7	7.6	27.6	2.0
04	53.3	31.5	42.4	3.5	2.3	2.7	14	9	5	1	-7777	0	392	448	533	679	0.0	-7777	17.2	0.5	16.3	0.0
05	65.7	41.9	53.8	3.5	2.3	2.7	79	56	31	9	1	-7777	116	155	223	356	0.0	0.1	29.3	0.0	3.3	0.0
06	74.3	51.2	62.8	2.6	2.4	2.0	245	195	130	53	15	8	13	23	48	121	0.0	0.7	30.0	0.0	-7777	0.0
07	78.5	55.7	67.1	2.5	1.9	2.0	375	314	227	105	32	18	-7777	2	7	40	0.0	1.1	31.0	0.0	0.0	0.0
08	76.7	53.8	65.3	2.2	1.9	1.9	320	262	181	76	20	9	3	6	18	68	0.0	0.4	31.0	0.0	0.0	0.0
09	68.7	46.1	57.4	2.5	2.4	2.2	134	99	58	19	4	1	62	87	136	247	0.0	0.1	29.4	0.0	1.2	0.0
10	56.0	35.3	45.6	2.8	2.8	2.5	18	11	5	1	-7777	-7777	308	363	450	601	0.0	0.0	21.9	0.0	11.8	0.0
11	43.8	26.9	35.4	3.2	2.7	2.8	2	1	-7777	0	0	0	591	650	740	890	0.0	0.0	8.4	3.8	21.3	0.1
12	31.6	14.4	23.0	5.0	5.5	5.1	-7777	0	0	0	0	0	992	1054	1147	1302	0.0	0.0	1.7	15.9	29.1	4.3
Summary	53.7	32.7	43.2	3.4	3.2	3.1	1187	947	637	264	72	36	5455	5946	6730	8181	0.0	2.4	206.7	64.4	167.4	23.7

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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	2.45	13.0	5.0	1.4	0.3	1.44	2.33	3.45
02	2.04	11.2	5.1	1.1	0.3	1.25	1.92	2.33
03	2.39	11.3	6.1	1.3	0.3	1.99	2.47	2.96
04	2.66	12.6	7.0	1.6	0.3	1.85	2.58	3.37
05	3.37	12.9	7.7	2.1	0.6	2.14	2.88	4.80
06	3.80	12.4	7.7	2.3	0.7	2.61	3.67	4.51
07	4.08	12.4	7.5	2.8	1.0	2.80	3.80	4.86
08	4.01	11.7	7.2	2.9	0.9	2.17	3.56	5.63
09	3.12	10.4	6.2	2.3	0.6	2.03	2.92	4.00
10	3.44	12.3	7.3	2.1	0.9	1.85	3.03	4.55
11	3.17	14.0	7.1	2.1	0.4	2.60	3.05	3.66
12	2.74	14.4	6.4	1.4	0.4	1.58	2.38	4.00
Summary	37.27	148.6	80.3	23.4	6.7	24.31	34.59	48.12

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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	22.6	12.0	6.4	2.3	1.3	0.1	28.4	22.2	17.5	10.3	14.8	20.5	30.7
02	18.0	9.1	5.1	2.0	0.8	0.3	25.5	19.9	17.4	9.9	9.7	19.0	22.7
03	16.8	7.5	4.5	1.4	0.9	0.2	22.5	17.2	13.9	7.2	7.9	18.2	24.1
04	4.9	3.3	1.7	0.6	0.2	0.0	5.4	2.4	0.8	0.1	1.8	3.0	6.4
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	0.9	0.9	0.3	0.1	0.1	0.0	0.3	0.1	0.0	0.0	0.0	0.0	1.2
11	9.1	5.7	2.7	1.1	0.5	0.1	6.7	3.0	1.3	0.4	4.1	7.0	14.3
12	21.9	11.7	6.4	2.3	1.1	0.1	23.3	16.4	11.4	6.1	14.7	19.3	26.4
Summary	94.2	50.2	27.1	9.8	4.9	0.8	112.1	81.2	62.3	34.0	53.0	87.0	125.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	3	18	142	430	682	840	782	522	207	55	7
45	1	-7777	6	73	286	533	685	628	376	112	22	2
50	-7777	0	2	33	165	384	530	473	242	50	7	-7777
55	-7777	0	-7777	14	79	245	375	320	134	18	2	-7777
60	0	0	-7777	5	31	130	227	181	58	5	-7777	0
Growing Degree Units for Corn (Monthly)												
50/86	2	2	15	98	256	414	533	489	307	119	30	5

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	7	25	167	597	1279	2119	2901	3423	3630	3685	3692
45	1	1	7	80	366	899	1584	2212	2588	2700	2722	2724
50	0	0	2	35	200	584	1114	1587	1829	1879	1886	1886
55	0	0	0	14	93	338	713	1033	1167	1185	1187	1187
60	0	0	0	5	36	166	393	574	632	637	637	637
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	4	19	117	373	787	1320	1809	2116	2235	2265	2270

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

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