

Summary of Monthly Normals
1991-2020

Current Location: Elev: 7695 ft. Lat: 37.1711° N Lon: 105.9400° W
Station: **MANASSA, CO US USC00055322**

Generated on 04/27/2024

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	34.9	5.0	19.9	5.6	5.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1086.5	1148.5	1241.4	1396.5	0.0	0.0	2.4	12.0	30.8	11.4
02	41.3	12.5	26.9	5.5	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	786.7	842.7	926.7	1066.7	0.0	0.0	6.0	5.0	27.7	3.7
03	52.6	20.9	36.8	2.6	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	565.8	627.8	720.8	875.8	0.0	0.0	19.5	0.6	29.1	0.5
04	60.4	27.9	44.1	3.3	2.4	2.7	2.5	0.9	0.1	0.0	0.0	0.0	327.9	386.4	475.6	625.5	0.0	0.0	26.5	0.0	22.5	0.0
05	69.1	36.5	52.8	3.2	1.7	2.2	44.8	26.2	9.5	0.9	0.0	0.0	113.1	156.4	232.7	379.1	0.0	0.0	30.5	0.0	9.1	0.0
06	78.6	44.0	61.3	3.1	2.0	2.4	197.5	145.4	78.3	14.2	1.3	0.3	8.6	16.4	39.4	125.3	0.0	0.3	30.0	0.0	0.8	0.0
07	80.6	49.2	64.9	2.2	1.8	1.7	307.0	245.5	155.8	38.8	2.3	0.4	0.2	0.7	3.9	42.0	0.0	0.7	31.0	0.0	0.0	0.0
08	78.6	47.2	62.9	2.4	1.6	1.7	245.9	185.7	101.9	15.7	0.5	0.1	1.1	2.8	12.1	80.9	0.0	0.0	31.0	0.0	0.0	0.0
09	73.3	39.7	56.5	2.7	1.9	2.0	87.7	53.6	20.3	1.4	0.0	0.0	42.8	68.6	125.4	256.4	0.0	0.0	30.0	0.0	4.4	0.0
10	63.1	28.2	45.7	3.5	2.2	2.3	4.3	1.6	0.1	0.0	0.0	0.0	294.2	353.5	444.9	599.9	0.0	0.0	28.7	0.2	22.2	0.1
11	48.8	17.0	32.9	4.1	2.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	663.1	723.0	813.0	963.0	0.0	0.0	15.7	2.3	28.4	1.3
12	35.8	6.1	21.0	6.0	5.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1055.5	1117.5	1210.4	1365.5	0.0	0.0	3.0	11.6	30.7	10.7
Summary	59.8	27.8	43.8	3.7	2.8	3.0	890	659	366	71	4	1	4946	5444	6246	7777	0.0	1.0	254.3	31.7	205.7	27.7

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	0.21	2.3	0.7	0.0	0.0	0.05	0.12	0.30	
02	0.22	2.7	0.6	0.0	0.0	0.07	0.15	0.34	
03	0.43	3.0	1.3	0.1	0.0	0.12	0.32	0.50	
04	0.53	3.3	1.6	0.1	0.0	0.18	0.32	0.92	
05	0.59	4.0	2.0	0.2	0.0	0.10	0.43	0.85	
06	0.40	3.6	1.2	0.0	0.0	0.15	0.31	0.52	
07	1.08	8.6	3.6	0.5	0.1	0.64	0.92	1.39	
08	1.58	9.3	4.5	0.7	0.0	0.97	1.36	1.71	
09	1.12	6.8	3.1	0.5	0.1	0.55	0.99	1.50	
10	0.67	4.0	1.9	0.3	0.0	0.24	0.64	1.03	
11	0.49	2.8	1.1	0.2	0.0	0.19	0.49	0.81	
12	0.43	2.7	1.2	0.1	0.0	0.07	0.27	0.59	
Summary	7.75	53.1	22.8	2.7	0.2	3.33	6.32	10.46	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	4.60	2.7	2.2	0.5	0.1	0.0					1.00	4.70	6.10
02	3.00	2.3	2.0	0.5	0.0	0.0					0.00	2.60	4.00
03	5.50	2.4	2.1	0.6	0.1	0.0					2.70	4.30	6.30
04	3.60	1.7	1.5	0.6	0.1	0.1					0.00	2.00	4.00
05	0.40	0.4	0.1	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	2.50	1.0	0.9	0.4	0.2	0.0					0.00	1.00	3.00
11	4.50	1.8	1.5	0.6	0.3	0.0					1.50	4.10	5.20
12	5.60	2.7	2.3	0.6	0.4	0.0					2.00	3.90	6.40
Summary	29.7	15.0	12.6	3.8	1.2	0.1	0.0	0.0	0.0	0.0	7.2	22.6	35.0

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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	0.7	3.3	45.4	163.8	400.7	638.9	771.7	709.8	495.1	206.0	25.2	1.1
45	0.1	0.2	11.5	71.9	255.8	489.0	616.8	554.8	346.8	95.5	4.8	0.0
50	0.0	0.0	1.3	19.8	131.1	340.1	461.8	399.8	205.1	29.0	0.6	0.0
55	0.0	0.0	0.0	2.5	44.8	197.5	307.0	245.9	87.7	4.3	0.0	0.0
60	0.0	0.0	0.0	0.1	9.5	78.3	155.8	101.9	20.3	0.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.2	11.8	78.7	164.9	297.7	434.3	493.4	455.8	351.5	209.7	56.3	4.8
Growing Degree Units (Accumulated Monthly)												
40	1	4	49	213	614	1253	2024	2734	3229	3435	3461	3462
45	0	0	12	84	340	828	1445	2000	2347	2442	2447	2447
50	0	0	1	21	152	492	954	1354	1559	1588	1589	1589
55	0	0	0	2	47	245	552	798	885	890	890	890
60	0	0	0	0	10	88	244	346	366	366	366	366
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	15	94	259	556	991	1484	1940	2291	2501	2557	2562

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