

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 110 ft. Lat: 35.8936° N Lon: 77.6805° W
Station: **ROCKY MT 8 ESE, NC US USC00317400**

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	50.3	30.6	40.5	3.7	3.7	3.6	6.7	3.3	1.0	0.0	0.0	0.0	457.6	516.1	606.8	761.0	0.0	0.0	17.7	2.3	19.2	0.0
02	53.6	31.7	42.6	5.0	3.6	4.1	14.4	8.8	3.3	0.2	0.0	0.0	359.9	410.4	488.9	625.9	0.0	0.0	18.4	1.0	14.6	0.0
03	60.9	38.1	49.5	4.1	4.5	4.1	60.0	43.6	26.0	9.1	2.0	0.8	230.3	275.9	351.4	489.4	0.0	0.0	24.9	0.1	12.1	0.0
04	71.2	47.3	59.3	2.2	2.3	2.1	182.2	143.4	93.9	35.8	7.6	3.1	54.8	76.1	116.5	208.4	0.0	0.0	29.8	0.0	0.8	0.0
05	78.0	57.0	67.5	2.9	3.0	2.8	391.0	333.3	252.8	137.7	52.6	29.7	3.5	7.7	20.3	60.2	0.0	2.5	31.0	0.0	0.0	0.0
06	85.3	65.4	75.4	1.8	1.8	1.6	610.5	550.6	460.9	313.9	178.1	130.3	0.0	0.1	0.4	3.4	0.1	7.2	30.0	0.0	0.0	0.0
07	88.4	69.3	78.9	2.9	1.7	2.1	739.1	677.0	584.1	429.2	274.9	215.0	0.0	0.0	0.0	0.0	0.3	15.8	31.0	0.0	0.0	0.0
08	85.3	67.4	76.3	2.3	2.0	2.0	661.9	599.9	506.9	351.9	201.8	146.7	0.0	0.0	0.0	0.0	0.0	7.6	31.0	0.0	0.0	0.0
09	81.3	62.2	71.7	2.8	2.2	2.2	502.4	442.5	353.9	217.1	104.8	69.5	0.1	0.3	1.7	14.7	0.0	3.5	30.0	0.0	0.0	0.0
10	72.2	49.7	61.0	2.6	3.7	2.7	217.1	172.4	113.7	46.0	12.9	7.1	32.6	49.9	84.2	171.6	0.0	0.4	30.8	0.0	0.4	0.0
11	64.7	38.8	51.7	5.5	3.7	4.0	66.4	47.5	25.8	7.1	1.1	0.4	163.9	205.0	273.3	404.6	0.0	0.0	26.6	0.0	10.1	0.0
12	55.0	33.7	44.3	3.9	4.2	3.9	22.7	14.7	7.1	1.3	0.1	0.0	352.8	406.7	492.2	641.4	0.0	0.0	22.8	0.2	13.2	0.0
Summary	70.5	49.3	59.9	3.3	3.0	2.9	3474	3037	2429	1549	836	603	1655	1948	2436	3381	0.4	37.0	324.0	3.6	70.4	0.0

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	3.22	8.1	5.6	2.6	0.8	2.44	2.98	4.18
02	3.00	7.2	5.2	2.3	0.7	1.89	2.56	4.56
03	3.85	8.2	6.2	2.9	1.0	2.73	3.65	4.58
04	3.54	7.7	5.7	2.6	0.9	2.64	3.53	4.08
05	3.63	8.3	6.4	2.3	1.1	2.04	3.55	4.65
06	4.81	9.1	6.8	3.1	1.5	2.84	4.20	5.15
07	5.10	9.8	7.0	3.1	1.4	3.18	4.71	6.75
08	5.28	8.6	6.5	3.2	1.7	3.45	4.36	6.43
09	6.15	7.7	5.8	3.2	1.6	3.18	4.85	7.42
10	3.55	6.1	4.0	2.1	1.1	1.92	2.94	4.63
11	3.20	6.5	4.6	2.2	0.9	1.48	3.05	4.25
12	3.23	7.8	5.3	2.6	0.9	2.36	3.17	4.24
Summary	48.56	95.1	69.1	32.2	13.6	30.15	43.55	60.92

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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	1.90	0.5	0.5	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	3.00
02	0.30	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.20	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
04	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	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
12	0.40	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	2.8	0.8	0.8	0.7	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.0

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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	126.0	149.4	315.7	578.2	852.5	1060.4	1203.9	1126.9	952.1	649.6	361.0	186.4
45	60.1	81.5	201.6	433.0	697.5	910.4	1049.0	971.9	802.2	495.9	233.0	103.3
50	24.0	38.2	117.1	297.7	542.6	760.4	894.0	816.9	652.2	348.1	131.8	52.7
55	6.7	14.4	60.0	182.2	391.0	610.5	739.1	661.9	502.4	217.1	66.4	22.7
60	1.0	3.3	26.0	93.9	252.8	460.9	584.1	506.9	353.9	113.7	25.8	7.1
Growing Degree Units for Corn (Monthly)												
50/86	71.4	96.6	193.5	354.2	547.0	729.9	840.9	794.3	645.5	399.0	233.0	111.6

Growing Degree Units (Accumulated Monthly)												
40	126	275	591	1169	2022	3082	4286	5413	6365	7015	7376	7562
45	60	142	343	776	1474	2384	3433	4405	5207	5703	5936	6039
50	24	62	179	477	1020	1780	2674	3491	4143	4491	4623	4676
55	7	21	81	263	654	1265	2004	2666	3168	3385	3452	3474
60	1	4	30	124	377	838	1422	1929	2283	2396	2422	2429
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	71	168	362	716	1263	1993	2834	3628	4273	4672	4905	5017

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