

Current Location: Elev: 440 ft. Lat: 39.1008° N Lon: 77.1486° W
Station: **ROCKVILLE 1 NE, MD US USC00187705**

Summary of Monthly Normals
1981-2010
Generated on 05/22/2024

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	40.4	27.0	33.7	4.9	4.7	4.7	3	2	1	0	0	0	663	724	816	970	0.0	0.0	6.2	7.2	20.6	0.2
02	43.7	29.2	36.4	4.4	3.4	3.8	2	2	1	-7777	-7777	0	522	577	660	799	0.0	0.0	7.5	3.2	17.8	0.0
03	53.3	36.2	44.8	3.5	2.8	3.0	27	19	11	4	-7777	-7777	345	399	483	631	0.0	0.0	17.9	0.8	10.0	0.0
04	64.5	45.9	55.2	2.8	2.0	2.3	107	81	50	19	5	3	101	135	194	313	0.0	0.1	26.9	0.0	1.2	0.0
05	72.8	54.8	63.8	3.5	3.3	3.2	285	233	165	83	32	20	12	22	47	120	0.0	0.9	30.9	0.0	0.0	0.0
06	81.3	64.3	72.8	2.8	2.0	2.1	534	475	387	249	132	95	-7777	1	3	15	0.0	3.3	30.0	0.0	0.0	0.0
07	85.0	68.8	76.9	3.3	2.2	2.5	679	617	524	369	220	167	0	0	-7777	-7777	0.0	6.9	31.0	0.0	0.0	0.0
08	83.2	67.2	75.2	2.9	2.3	2.4	626	564	471	318	175	126	0	-7777	-7777	2	0.0	3.8	31.0	0.0	0.0	0.0
09	75.8	59.7	67.7	2.7	1.6	2.0	386	330	251	138	58	36	4	8	19	55	0.0	0.8	30.0	0.0	0.0	0.0
10	64.8	47.7	56.2	2.7	2.6	2.5	117	87	52	17	4	2	79	110	168	288	0.0	0.0	29.9	0.0	0.5	0.0
11	54.7	39.1	46.9	3.9	2.7	3.1	28	18	8	1	-7777	-7777	271	321	401	544	0.0	0.0	19.9	0.2	6.7	0.0
12	43.8	30.5	37.2	4.9	4.0	4.3	5	3	1	-7777	0	0	558	618	709	863	0.0	0.0	8.2	3.8	17.5	0.0
Summary	63.6	47.5	55.6	3.5	2.8	3.0	2799	2431	1922	1198	626	449	2555	2915	3500	4600	0.0	15.8	269.4	15.2	74.3	0.2

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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	2.88	9.7	6.1	2.1	0.7	1.93	2.72	3.56
02	2.71	8.1	5.5	1.7	0.5	2.00	2.39	3.53
03	3.61	10.7	7.0	2.4	0.9	2.46	3.69	5.00
04	3.22	10.1	6.3	2.0	0.5	2.44	3.09	3.91
05	4.13	11.8	7.7	2.8	0.9	2.67	3.83	5.16
06	3.49	9.7	6.0	2.2	0.8	1.87	3.16	4.96
07	3.67	10.0	6.8	2.8	0.8	2.01	3.63	5.02
08	2.90	7.8	5.0	2.0	0.8	1.85	2.70	3.81
09	3.83	9.0	5.9	2.5	1.0	1.95	3.14	4.86
10	3.29	8.0	5.1	2.4	1.0	1.72	2.88	4.95
11	3.53	8.2	5.5	2.5	1.1	1.94	3.55	5.00
12	3.00	8.9	5.6	2.1	0.6	1.76	2.30	4.47
Summary	40.26	112.0	72.5	27.5	9.6	24.60	37.08	54.23

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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	8.3	3.0	2.1	1.0	0.5	0.1	7.0	3.2	2.2	0.9	1.0	4.1	8.5
02	3.4	1.9	1.4	0.7	0.2	-7777	5.9	3.1	1.4	0.4	0.0	1.2	4.5
03	2.6	1.1	0.7	0.2	0.1	-7777	1.2	0.7	0.5	0.1	0.0	0.2	2.1
04	0.1	0.1	-7777	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.5	0.3	0.3	-7777	0.0	0.0	0.2	0.1	-7777	0.0	0.0	0.0	0.0
12	2.2	1.3	0.8	0.3	0.1	0.0	3.0	1.6	0.5	0.0	0.0	1.3	3.8
Summary	17.1	7.7	5.3	2.2	0.9	0.1	17.3	8.7	4.6	1.4	1.0	6.8	18.9

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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	53	59	204	458	738	984	1144	1091	832	504	239	76
45	22	25	117	319	583	834	989	936	682	354	139	35
50	9	8	60	198	429	684	834	781	533	220	70	15
55	3	2	27	107	285	534	679	626	386	117	28	5
60	1	1	11	50	165	387	524	471	251	52	8	1
Growing Degree Units for Corn (Monthly)												
50/86	22	28	108	248	445	669	805	763	537	269	113	32

Growing Degree Units (Accumulated Monthly)												
40	53	112	316	774	1512	2496	3640	4731	5563	6067	6306	6382
45	22	47	164	483	1066	1900	2889	3825	4507	4861	5000	5035
50	9	17	77	275	704	1388	2222	3003	3536	3756	3826	3841
55	3	5	32	139	424	958	1637	2263	2649	2766	2794	2799
60	1	2	13	63	228	615	1139	1610	1861	1913	1921	1922
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	50	158	406	851	1520	2325	3088	3625	3894	4007	4039

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