

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 85 ft. Lat: 39.3831° N Lon: 74.8294° W

Station: ESTELL MANOR, NJ US USC00282805

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	43.2	23.0	33.1	4.0	4.0	3.9	2.0	1.0	0.1	0.0	0.0	0.0	680.8	741.8	833.9	988.8	0.0	0.0	9.1	4.5	26.0	0.8
02	45.9	24.5	35.2	4.7	3.8	4.1	2.3	1.2	0.3	0.0	0.0	0.0	556.6	611.6	694.6	834.3	0.0	0.0	10.2	2.5	23.2	0.1
03	53.2	31.2	42.2	4.0	3.2	3.4	13.7	8.8	4.2	0.9	0.1	0.0	410.5	467.5	555.9	707.6	0.0	0.0	19.6	0.6	19.0	0.1
04	64.5	40.8	52.6	2.8	2.5	2.4	81.8	61.7	37.9	14.3	4.4	2.3	152.3	192.1	258.4	384.8	0.0	0.4	27.7	0.0	6.6	0.0
05	73.3	51.0	62.1	3.5	3.3	3.1	246.7	199.8	138.2	64.9	22.8	13.4	25.0	40.2	71.5	153.2	0.0	1.6	30.9	0.0	0.7	0.0
06	81.7	60.4	71.1	2.4	1.7	1.7	482.8	424.2	337.9	206.1	101.0	68.8	1.4	2.8	6.5	24.7	0.0	5.3	30.0	0.0	0.0	0.0
07	86.5	65.9	76.2	2.7	2.1	2.2	657.1	595.1	502.1	347.8	202.5	151.5	0.0	0.0	0.0	0.7	0.3	10.4	31.0	0.0	0.0	0.0
08	84.7	64.0	74.3	2.3	2.5	2.2	599.8	537.8	444.9	291.5	152.2	106.9	0.0	0.0	0.1	1.7	0.1	6.6	31.0	0.0	0.0	0.0
09	78.7	56.9	67.8	2.7	2.9	2.3	388.1	331.3	250.3	135.5	54.8	34.2	4.2	7.4	16.4	51.5	0.0	1.7	30.0	0.0	0.0	0.0
10	67.4	44.4	55.9	2.6	3.0	2.6	118.7	88.6	53.1	18.9	4.6	2.1	90.8	122.6	180.2	300.9	0.0	0.0	30.6	0.0	3.9	0.0
11	57.1	35.0	46.0	3.7	3.0	3.1	23.5	14.6	6.3	1.2	0.2	0.0	292.0	343.1	424.8	569.7	0.0	0.0	23.8	0.1	14.5	0.0
12	47.8	27.7	37.8	4.4	3.9	4.0	4.9	2.8	1.0	0.0	0.0	0.0	539.6	599.6	690.7	844.7	0.0	0.0	14.0	1.7	23.2	0.0
Summary	65.3	43.7	54.5	3.3	3.0	2.9	2621	2267	1776	1081	543	379	2753	3129	3733	4863	0.4	26.0	287.9	9.4	117.1	1.0

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	3.81	11.4	7.0	2.5	0.8	2.72	3.70	4.13
02	3.39	10.5	6.7	2.1	0.8	2.32	2.88	4.41
03	4.98	11.6	7.9	3.7	1.2	3.40	4.77	6.37
04	3.83	11.6	6.8	2.8	0.9	2.82	3.69	4.69
05	3.52	11.2	7.2	2.4	0.6	2.42	3.17	4.79
06	4.14	10.7	6.5	2.6	1.2	2.54	3.64	5.27
07	4.68	10.0	6.5	3.0	1.5	2.81	4.84	5.80
08	5.52	9.4	6.3	3.4	1.3	3.13	4.30	6.33
09	3.93	8.8	5.7	2.3	1.2	2.52	4.19	5.08
10	4.53	9.7	6.3	3.1	1.3	3.01	4.46	6.34
11	3.54	9.1	5.6	2.5	1.2	1.63	3.17	4.94
12	4.74	10.9	7.3	3.6	1.3	2.99	4.52	6.25
Summary	50.61	124.9	79.8	34.0	13.3	32.31	47.33	64.40

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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	6.10	3.2	1.6	0.6	0.4	0.0	5.1	2.9	1.6	0.1	1.90	4.50	10.40
02	8.20	4.0	2.3	0.8	0.4	0.1	6.8	4.1	2.3	0.9	2.10	4.40	8.50
03	3.40	1.9	0.9	0.3	0.2	0.0	2.2	1.0	0.5	0.0	0.10	1.40	4.40
04	0.70	0.4	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.40
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	3.60	1.8	0.8	0.5	0.1	0.0	2.6	1.2	0.6	0.3	0.00	1.90	4.90
Summary	22.0	11.4	5.8	2.3	1.1	0.1	16.9	9.3	5.0	1.3	4.1	12.2	28.6

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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	45.7	52.5	150.2	385.0	686.7	931.4	1122.0	1064.8	833.9	493.9	217.7	81.5
45	18.4	22.0	78.7	255.2	532.0	781.4	967.0	909.8	683.9	345.9	122.3	38.2
50	6.6	7.6	35.6	152.1	381.2	631.6	812.1	754.8	534.5	216.8	59.8	15.3
55	2.0	2.3	13.7	81.8	246.7	482.8	657.1	599.8	388.1	118.7	23.5	4.9
60	0.1	0.3	4.2	37.9	138.2	337.9	502.1	444.9	250.3	53.1	6.3	1.0
Growing Degree Units for Corn (Monthly)												
50/86	28.9	36.6	95.9	234.6	419.7	620.0	772.2	730.4	543.3	301.0	130.5	47.8

Growing Degree Units (Accumulated Monthly)												
40	46	98	248	633	1320	2252	3374	4438	5272	5766	5984	6065
45	18	40	119	374	906	1688	2655	3564	4248	4594	4717	4755
50	7	14	50	202	583	1215	2027	2782	3316	3533	3593	3608
55	2	4	18	100	346	829	1486	2086	2474	2593	2616	2621
60	0	0	5	42	181	519	1021	1466	1716	1769	1775	1776
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	29	66	161	396	816	1436	2208	2938	3482	3783	3913	3961

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