

Summary of Monthly Normals 1991-2020

Generated on 07/21/2024

Current Location: Elev: 8 ft. Lat: 27.7628° N Lon: 82.6261° W
 Station: **ST PETERSBURG, FL US USC00087886**

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	69.8	54.3	62.1	3.1	3.5	3.2	242.1	192.5	127.4	47.7	8.8	2.7	23.5	35.8	63.7	138.9	0.0	0.0	30.6	0.0	0.1	0.0
02	72.7	56.6	64.7	3.4	3.2	3.2	277.9	227.7	158.2	66.4	13.9	4.7	7.6	13.5	28.0	76.2	0.0	0.0	28.0	0.0	0.1	0.0
03	76.5	60.9	68.7	3.4	3.5	3.4	427.2	367.5	280.4	150.2	53.0	27.1	2.5	4.8	10.7	35.5	0.0	0.0	31.0	0.0	0.0	0.0
04	81.6	66.3	73.9	2.3	2.4	2.3	568.5	508.6	418.9	272.5	138.8	92.4	0.0	0.1	0.4	4.0	0.0	0.4	30.0	0.0	0.0	0.0
05	86.7	71.9	79.3	1.6	1.6	1.5	753.3	691.3	598.3	443.4	289.6	228.8	0.0	0.0	0.0	0.1	0.0	4.7	31.0	0.0	0.0	0.0
06	89.8	75.9	82.9	1.5	1.4	1.3	835.5	775.5	685.4	535.4	385.5	325.5	0.0	0.0	0.0	0.0	0.0	14.9	30.0	0.0	0.0	0.0
07	90.9	76.9	83.9	1.0	0.7	0.8	895.9	833.9	740.9	585.9	430.9	368.9	0.0	0.0	0.0	0.0	0.1	20.7	31.0	0.0	0.0	0.0
08	90.8	77.1	84.0	1.1	1.1	1.0	897.4	835.4	742.4	587.4	432.4	370.4	0.0	0.0	0.0	0.0	0.0	20.1	31.0	0.0	0.0	0.0
09	89.1	75.7	82.4	1.4	0.8	1.0	821.9	761.9	671.9	521.9	372.0	312.0	0.0	0.0	0.0	0.0	0.0	12.3	30.0	0.0	0.0	0.0
10	84.3	70.0	77.2	2.1	2.3	1.9	686.7	624.7	531.9	379.0	230.5	175.1	0.1	0.1	0.3	2.4	0.0	1.4	31.0	0.0	0.0	0.0
11	77.2	62.7	70.0	2.7	3.1	2.8	449.3	390.7	305.3	174.6	70.5	41.2	0.8	2.2	6.7	26.1	0.0	0.2	30.0	0.0	0.0	0.0
12	72.2	57.6	64.9	3.4	4.1	3.7	317.1	262.0	186.4	87.1	25.2	11.1	10.2	17.1	34.5	90.2	0.0	0.0	30.8	0.0	0.0	0.0
Summary	81.8	67.2	74.5	2.2	2.3	2.2	7173	6472	5447	3852	2451	1960	45	74	144	373	0.1	74.7	364.4	0.0	0.2	0.0

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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	2.97	7.0	4.5	1.8	0.7	1.11	2.49	4.58	
02	2.17	5.9	3.4	1.5	0.6	0.69	1.57	2.62	
03	2.86	6.5	4.2	2.1	1.0	0.84	1.61	4.68	
04	2.60	4.9	3.2	1.8	0.7	1.30	2.29	3.15	
05	2.54	4.9	3.2	1.6	0.7	0.80	1.97	3.53	
06	7.18	11.5	8.8	4.3	1.9	4.44	6.36	8.65	
07	8.35	14.5	10.6	5.2	2.4	5.28	7.54	11.21	
08	9.33	15.3	11.4	6.0	3.0	6.25	9.49	12.18	
09	7.51	13.5	9.7	4.5	2.5	5.44	7.15	9.63	
10	2.52	6.4	4.3	1.8	0.8	1.18	2.53	3.48	
11	1.61	4.4	2.6	1.1	0.4	0.59	1.18	1.92	
12	2.84	6.0	3.5	1.5	0.7	0.81	1.36	2.94	
Summary	52.48	100.8	69.4	33.2	15.4	28.73	45.54	68.57	

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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	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
02	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
03	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	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

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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	683.8	690.2	889.7	1018.5	1218.3	1285.5	1360.9	1362.4	1272.0	1151.6	898.5	771.9
45	530.1	550.4	734.7	868.5	1063.3	1135.5	1205.9	1207.4	1122.0	996.6	748.5	617.4
50	380.7	411.8	580.0	718.5	908.3	985.5	1050.9	1052.4	972.0	841.6	598.5	464.6
55	242.1	277.9	427.2	568.5	753.3	835.5	895.9	897.4	821.9	686.7	449.3	317.1
60	127.4	158.2	280.4	418.9	598.3	685.4	740.9	742.4	671.9	531.9	305.3	186.4
Growing Degree Units for Corn (Monthly)												
50/86	398.6	420.0	583.3	712.8	879.1	924.7	973.1	976.2	919.3	826.3	599.6	474.8

Growing Degree Units (Accumulated Monthly)												
40	684	1374	2264	3282	4500	5786	7147	8509	9781	10933	11831	12603
45	530	1080	1815	2684	3747	4882	6088	7296	8418	9414	10163	10780
50	381	792	1372	2091	2999	3985	5036	6088	7060	7902	8500	8965
55	242	520	947	1516	2269	3104	4000	4898	5720	6406	6856	7173
60	127	286	566	985	1583	2269	3010	3752	4424	4956	5261	5447
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	399	819	1402	2115	2994	3918	4892	5868	6787	7613	8213	8688

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

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