

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1942 ft. Lat: 37.6731° N Lon: 98.7761° W
Station: PRATT 3NW, KS US USC00146549

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	43.1	19.1	31.1	4.1	2.7	3.1	0.1	0.0	0.0	0.0	0.0	0.0	740.9	802.8	895.8	1050.7	0.0	0.0	12.3	6.7	28.7	0.4
02	47.7	22.4	35.0	6.6	4.0	4.9	3.0	1.7	0.6	0.1	0.0	0.0	561.6	616.3	699.2	838.6	0.0	0.0	14.6	4.2	23.1	0.7
03	57.5	31.1	44.3	5.2	4.3	4.5	26.8	17.9	8.4	1.3	0.1	0.0	358.6	411.7	495.1	643.0	0.0	0.0	23.4	0.9	16.8	0.3
04	66.7	40.5	53.6	4.3	2.9	3.3	95.1	69.8	40.4	12.2	2.7	1.1	137.1	171.8	232.4	354.1	0.0	0.8	27.8	0.1	5.2	0.0
05	76.5	52.2	64.3	3.8	2.8	3.1	310.0	258.3	187.6	96.0	38.1	24.6	20.1	30.4	52.8	116.2	0.2	3.0	30.9	0.0	0.3	0.0
06	86.7	62.5	74.6	4.0	1.9	2.8	587.9	528.0	438.7	294.8	165.4	122.1	0.1	0.2	0.8	6.9	1.2	13.4	30.0	0.0	0.0	0.0
07	91.5	66.9	79.2	3.6	2.2	2.8	750.2	688.2	595.2	441.3	291.1	234.5	0.0	0.0	0.0	1.2	5.8	21.0	31.0	0.0	0.0	0.0
08	89.7	65.3	77.5	4.0	2.5	3.1	697.4	635.5	542.8	389.4	244.0	191.4	0.0	0.1	0.4	2.0	5.0	18.2	31.0	0.0	0.0	0.0
09	81.9	56.7	69.3	3.7	2.9	3.1	435.2	379.1	298.2	179.9	90.4	63.8	6.3	10.2	19.3	51.0	1.0	8.0	30.0	0.0	0.0	0.0
10	69.8	43.4	56.6	3.9	2.7	2.9	146.7	112.9	71.9	26.6	6.4	3.2	97.1	125.3	177.3	287.1	0.0	1.3	29.6	0.1	3.7	0.0
11	55.9	30.8	43.4	5.4	3.5	4.1	16.3	9.8	3.9	0.5	0.1	0.0	365.8	419.3	503.3	649.9	0.0	0.0	22.3	1.0	16.6	0.0
12	44.6	21.6	33.1	3.8	3.1	3.2	0.6	0.3	0.1	0.0	0.0	0.0	679.3	741.0	833.8	988.7	0.0	0.0	12.8	4.6	28.0	0.4
Summary	67.6	42.7	55.2	4.4	3.0	3.4	3069	2702	2188	1442	838	641	2967	3329	3910	4989	13.2	65.7	295.7	17.6	122.4	1.8

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	0.64	2.3	1.7	0.4	0.1	0.17	0.46	0.78	
02	0.99	3.2	2.3	0.6	0.2	0.17	0.90	1.38	
03	1.97	4.1	3.3	1.3	0.5	0.96	1.54	2.78	
04	2.67	6.0	4.5	1.9	0.6	1.38	2.18	3.26	
05	3.80	7.3	6.0	2.7	1.2	2.08	3.37	4.53	
06	4.10	7.2	6.1	2.8	1.3	2.67	3.23	5.37	
07	3.25	5.8	4.7	2.1	1.1	1.54	3.37	4.64	
08	3.36	6.1	5.1	2.3	1.0	1.66	2.84	4.83	
09	2.32	4.5	3.5	1.4	0.7	1.15	1.72	3.39	
10	2.23	4.6	3.5	1.5	0.5	1.02	1.64	3.17	
11	1.18	3.2	2.2	0.8	0.2	0.15	0.66	1.92	
12	1.11	2.9	2.3	0.6	0.1	0.21	0.90	1.44	
Summary	27.62	57.2	45.2	18.4	7.5	13.16	22.81	37.49	

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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	3.60	1.5	1.3	0.4	0.1	0.0	1.6	0.7	0.2	0.0	0.00	2.50	6.00
02	3.90	1.5	1.3	0.5	0.2	0.0	2.3	1.0	0.6	0.2	0.00	1.00	6.40
03	4.10	0.8	0.7	0.5	0.2	0.1	1.0	0.8	0.5	0.2	0.00	2.50	4.30
04	0.40	0.1	0.1	0.0	0.0	0.0	0.1	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	0.10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
12	2.60	1.0	1.0	0.5	0.2	0.0	2.3	1.3	0.6	0.1	0.00	0.00	5.00
Summary	15.1	5.3	4.8	2.0	0.7	0.1	7.7	3.9	1.9	0.5	0.0	6.0	21.7

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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	27.9	66.4	214.8	419.8	755.0	1037.7	1215.1	1162.3	878.9	522.5	178.8	38.9
45	7.2	28.7	125.0	289.1	600.9	887.8	1060.1	1007.4	729.2	379.3	97.2	11.4
50	1.3	9.9	61.9	178.2	450.3	737.8	905.1	852.4	580.4	251.1	45.1	3.0
55	0.1	3.0	26.8	95.1	310.0	587.9	750.2	697.4	435.2	146.7	16.3	0.6
60	0.0	0.6	8.4	40.4	187.6	438.7	595.2	542.8	298.2	71.9	3.9	0.1
Growing Degree Units for Corn (Monthly)												
50/86	39.4	68.6	161.6	268.7	471.5	688.1	803.7	766.8	564.5	331.3	132.4	43.5

Growing Degree Units (Accumulated Monthly)												
40	28	94	309	729	1484	2522	3737	4899	5778	6300	6479	6518
45	7	36	161	450	1051	1939	2999	4006	4735	5115	5212	5223
50	1	11	73	251	702	1439	2344	3197	3777	4028	4074	4076
55	0	3	30	125	435	1023	1773	2470	2906	3052	3069	3069
60	0	1	9	49	237	676	1271	1814	2112	2184	2188	2188
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	39	108	270	538	1010	1698	2502	3268	3833	4164	4297	4340

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