

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1145 ft. Lat: 41.3197° N Lon: 96.3672° W
Station: VALLEY NWS, NE US USC00258795

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	32.9	15.3	24.1	5.3	5.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	957.7	1019.7	1112.7	1267.6	0.0	0.0	3.2	14.1	29.9	4.7
02	37.5	18.9	28.2	6.6	5.9	6.1	0.4	0.1	0.0	0.0	0.0	0.0	750.6	806.4	890.3	1030.1	0.0	0.0	5.2	10.5	25.7	2.6
03	50.4	29.9	40.2	5.8	4.6	4.9	17.0	11.0	5.6	1.3	0.1	0.0	477.4	533.5	621.1	771.8	0.0	0.0	15.8	3.2	20.0	0.5
04	62.4	40.9	51.7	3.8	3.3	3.4	73.7	52.7	29.5	9.6	1.9	0.8	174.3	213.2	280.0	410.1	0.0	0.1	25.2	0.2	7.0	0.0
05	72.9	53.1	63.0	3.5	2.6	2.9	273.2	224.8	161.6	80.8	32.2	20.1	25.3	38.8	68.6	142.9	0.0	1.0	30.7	0.0	0.2	0.0
06	82.9	64.0	73.5	2.8	2.2	2.4	553.8	494.3	406.2	265.8	144.0	104.6	0.4	0.9	2.9	12.5	0.1	5.4	30.0	0.0	0.0	0.0
07	86.5	68.1	77.3	3.2	2.5	2.7	691.2	629.2	536.2	382.1	235.0	181.0	0.0	0.0	0.0	0.9	0.6	9.5	31.0	0.0	0.0	0.0
08	84.3	65.3	74.8	2.6	2.8	2.5	613.7	551.8	459.0	307.2	168.7	122.2	0.0	0.1	0.3	3.6	0.2	5.9	31.0	0.0	0.0	0.0
09	78.1	56.0	67.1	3.4	3.4	3.1	371.3	317.4	242.1	136.4	61.8	40.9	9.9	16.0	30.8	75.1	0.0	2.7	29.9	0.0	0.1	0.0
10	65.1	43.2	54.2	4.0	2.5	3.1	110.6	83.2	51.5	19.5	5.9	3.4	137.0	171.6	232.9	355.9	0.0	0.4	28.0	0.1	4.9	0.0
11	49.9	30.6	40.2	6.0	4.2	4.9	11.0	6.7	2.5	0.3	0.0	0.0	453.5	509.2	595.0	742.8	0.0	0.0	15.8	2.4	19.5	0.0
12	36.9	20.3	28.6	4.5	4.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	818.2	880.3	973.2	1128.1	0.0	0.0	4.9	11.8	29.1	2.7
Summary	61.6	42.1	51.9	4.3	3.7	3.8	2716	2371	1894	1203	650	473	3804	4190	4808	5941	0.9	25.0	250.7	42.3	136.4	10.5

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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	0.85	6.1	2.0	0.3	0.0	0.45	0.81	1.17	
02	1.03	6.6	2.9	0.5	0.2	0.69	0.86	1.22	
03	1.78	8.5	4.1	1.0	0.1	1.00	1.51	2.59	
04	3.11	10.6	6.6	2.3	0.7	2.18	3.00	3.97	
05	4.74	13.0	8.1	3.2	1.5	2.85	4.78	6.51	
06	5.29	11.3	7.8	3.3	1.8	2.88	4.63	7.47	
07	3.97	9.2	5.1	2.1	0.8	1.93	3.15	4.95	
08	4.30	10.0	5.8	2.8	1.3	2.50	3.92	5.89	
09	3.02	8.0	5.0	1.8	0.9	1.92	2.75	4.24	
10	2.37	7.6	4.5	1.5	0.6	1.30	1.66	3.62	
11	1.37	5.8	2.3	1.0	0.2	0.85	1.33	1.80	
12	1.32	6.2	2.6	0.7	0.3	0.42	0.96	1.90	
Summary	33.15	102.9	56.8	20.5	8.4	18.97	29.36	45.33	

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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	7.40	5.2	2.2	0.8	0.4	0.0	14.3	6.8	3.8	1.3	4.60	6.00	8.90
02	9.50	5.2	2.7	1.1	0.6	0.0	11.6	7.6	4.4	1.0	5.80	9.00	11.80
03	5.00	3.0	1.3	0.6	0.3	0.0	3.8	2.2	1.5	0.3	0.50	3.60	8.50
04	1.40	1.0	0.3	0.2	0.1	0.0	0.4	0.2	0.1	0.0	0.00	0.00	0.90
05	0.10	0.0	0.0	0.0	0.0	0.0	0.1	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	1.00	0.5	0.3	0.1	0.1	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.50
11	1.20	1.5	0.4	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.00	0.60	1.90
12	6.20	4.9	2.0	0.6	0.4	0.0	9.3	5.3	3.3	0.6	2.90	5.10	8.80
Summary	31.8	21.3	9.2	3.4	1.9	0.0	41.1	22.4	13.2	3.2	13.8	24.3	41.3

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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	7.2	26.4	147.8	369.3	713.0	1003.4	1156.2	1078.7	811.4	449.6	129.1	17.9
45	0.9	9.6	81.3	246.3	558.6	853.3	1001.2	923.7	661.6	314.3	66.1	4.7
50	0.0	2.6	40.9	146.3	409.3	703.4	846.2	768.7	513.4	198.5	29.6	0.9
55	0.0	0.4	17.0	73.7	273.2	553.8	691.2	613.7	371.3	110.6	11.0	0.0
60	0.0	0.0	5.6	29.5	161.6	406.2	536.2	459.0	242.1	51.5	2.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.8	20.7	96.7	213.0	428.0	680.8	803.8	740.9	518.7	263.0	78.6	13.4

Growing Degree Units (Accumulated Monthly)												
40	7	34	181	551	1264	2267	3423	4502	5313	5763	5892	5910
45	1	10	92	338	897	1750	2751	3675	4336	4651	4717	4722
50	0	3	44	190	599	1302	2149	2917	3431	3629	3659	3660
55	0	0	17	91	364	918	1609	2223	2594	2705	2716	2716
60	0	0	6	35	197	603	1139	1598	1840	1892	1894	1894
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	28	125	338	766	1447	2251	2992	3510	3773	3852	3865

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