

Summary of Monthly Normals
1991-2020

Generated on 04/20/2024

Current Location: Elev: 1230 ft. Lat: 43.6064° N Lon: 93.3019° W

Station: ALBERT LEA 3SE, MN US USC00210075

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	22.5	5.9	14.2	4.7	6.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1264.4	1326.4	1419.5	1574.6	0.0	0.0	0.2	23.9	30.9	12.0
02	27.1	9.8	18.5	6.1	7.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1023.2	1079.2	1163.2	1303.3	0.0	0.0	0.6	18.3	27.3	8.0
03	39.6	22.8	31.2	5.8	5.1	5.3	3.7	2.5	1.2	0.3	0.0	0.0	741.6	802.3	894.0	1048.1	0.0	0.0	6.4	8.7	25.2	1.9
04	55.1	35.5	45.3	4.8	3.6	4.1	27.9	18.8	9.7	2.5	0.4	0.1	319.0	369.9	450.7	593.5	0.0	0.0	19.4	1.0	10.6	0.0
05	68.0	48.1	58.1	3.6	2.9	3.0	167.0	131.1	86.0	36.9	11.5	6.5	72.5	98.7	146.5	252.3	0.0	0.7	29.4	0.0	0.7	0.0
06	78.3	59.0	68.7	2.5	2.1	2.2	412.5	355.4	272.9	151.2	63.5	40.6	3.2	6.1	13.6	41.8	0.0	2.2	30.0	0.0	0.0	0.0
07	81.6	62.5	72.0	3.2	2.6	2.8	528.4	466.6	374.7	227.8	105.5	69.6	0.0	0.2	1.3	9.3	0.0	3.4	31.0	0.0	0.0	0.0
08	79.2	59.9	69.6	2.5	2.5	2.4	451.3	389.8	299.5	162.3	63.2	37.3	0.3	0.9	3.5	21.3	0.0	1.2	31.0	0.0	0.0	0.0
09	73.0	51.1	62.0	3.4	3.0	3.0	243.1	198.4	138.6	63.4	21.0	11.8	31.8	47.1	77.3	152.0	0.0	0.7	29.7	0.0	0.4	0.0
10	58.9	37.7	48.3	3.7	2.9	3.1	48.0	34.0	19.2	6.1	1.4	0.7	255.8	303.8	381.8	523.8	0.0	0.1	23.6	0.3	10.1	0.0
11	42.1	25.3	33.7	6.8	4.8	5.7	2.1	1.0	0.2	0.0	0.0	0.0	641.1	700.0	789.2	939.0	0.0	0.0	8.1	7.0	23.1	0.5
12	28.3	13.4	20.9	5.4	5.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1058.5	1120.5	1213.5	1368.6	0.0	0.0	0.7	18.7	30.2	5.9
Summary	54.5	35.9	45.2	4.4	4.1	4.1	1884	1598	1202	650	266	167	5411	5855	6554	7828	0.0	8.3	210.1	77.9	158.5	28.3

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	0.89	6.9	2.7	0.3	0.0	0.52	0.80	1.17	
02	0.87	6.1	2.6	0.4	0.1	0.44	0.73	1.12	
03	1.94	7.9	4.4	1.2	0.3	1.18	1.83	2.73	
04	3.74	11.0	6.9	2.7	0.8	2.45	3.46	5.21	
05	4.85	12.9	8.8	3.2	1.2	3.34	4.89	6.33	
06	5.44	12.4	8.5	3.8	1.5	3.59	4.77	6.83	
07	4.81	10.7	7.4	3.5	1.2	3.46	4.52	5.87	
08	4.27	10.3	6.8	2.9	1.2	3.06	4.15	4.78	
09	3.71	9.1	5.7	2.2	1.0	1.65	3.04	4.51	
10	2.58	9.5	5.0	1.6	0.5	1.17	2.21	3.70	
11	1.54	6.8	3.4	1.0	0.3	0.45	1.40	2.39	
12	1.13	7.2	3.4	0.4	0.1	0.53	0.99	1.60	
Summary	35.77	110.8	65.6	23.2	8.2	21.84	32.79	46.24	

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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	8.90	6.1	3.6	1.3	0.4	0.0	25.6	17.9	14.9	7.4	4.70	9.50	11.60
02	9.80	5.1	3.3	1.0	0.4	0.1	20.6	16.6	13.6	5.8	6.60	9.30	11.50
03	6.60	3.3	2.2	0.8	0.3	0.0	14.1	8.4	6.3	2.6	3.10	5.50	10.50
04	2.80	1.1	0.9	0.4	0.2	0.0	1.8	0.8	0.6	0.1	0.00	1.00	3.00
05	0.30	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	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	0.30	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	2.70	1.9	1.0	0.4	0.1	0.0	4.4	2.0	0.5	0.0	0.00	1.50	4.10
12	8.10	5.0	3.3	1.0	0.3	0.0	17.7	11.4	6.3	2.7	3.40	7.40	10.10
Summary	39.5	22.8	14.6	4.9	1.7	0.1	84.4	57.2	42.3	18.6	17.8	34.2	50.8

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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	0.2	3.0	47.8	219.8	560.9	859.3	993.4	916.0	661.6	292.4	58.8	3.8
45	0.0	0.6	22.7	129.6	412.9	709.3	838.4	761.0	513.5	182.7	26.5	1.2
50	0.0	0.1	9.9	65.5	277.8	559.5	683.4	606.0	371.8	101.3	9.9	0.2
55	0.0	0.0	3.7	27.9	167.0	412.5	528.4	451.3	243.1	48.0	2.1	0.0
60	0.0	0.0	1.2	9.7	86.0	272.9	374.7	299.5	138.6	19.2	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	1.6	29.9	126.6	318.1	553.8	670.7	603.0	402.6	171.2	35.4	2.2

Growing Degree Units (Accumulated Monthly)												
40	0	3	51	271	832	1691	2684	3600	4262	4554	4613	4617
45	0	1	23	153	566	1275	2114	2874	3388	3571	3597	3598
50	0	0	10	76	353	913	1596	2202	2574	2675	2685	2685
55	0	0	4	32	199	611	1140	1591	1834	1882	1884	1884
60	0	0	1	11	97	370	744	1044	1183	1202	1202	1202
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	32	158	476	1030	1701	2304	2706	2878	2913	2915

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