

Summary of Monthly Normals
1991-2020

Generated on 06/02/2024

Current Location: Elev: 1615 ft. Lat: 48.7622° N Lon: 98.3447° W
Station: **LANGDON EXP FARM, ND US USC00324958**

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	12.5	-5.0	3.7	5.9	6.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1588.6	1650.5	1743.6	1898.6	0.0	0.0	0.0	28.6	31.0	19.7
02	17.1	-2.0	7.6	7.0	7.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	1328.5	1384.4	1468.5	1608.5	0.0	0.0	0.1	24.0	28.0	16.5
03	29.8	12.0	20.9	5.7	6.3	5.9	0.3	0.2	0.1	0.0	0.0	0.0	1057.4	1119.3	1212.1	1367.1	0.0	0.0	1.8	16.2	30.2	7.4
04	48.0	27.6	37.8	6.1	4.5	5.2	4.7	2.3	0.7	0.1	0.0	0.0	520.7	578.4	666.8	816.2	0.0	0.0	13.7	3.8	22.0	0.5
05	63.5	40.4	51.9	4.1	3.0	3.2	78.3	56.2	30.9	8.5	1.3	0.6	172.9	212.9	280.5	413.1	0.0	0.1	26.6	0.1	7.3	0.0
06	71.9	51.6	61.7	2.6	2.3	2.4	223.9	176.5	114.2	44.2	11.1	5.7	21.6	34.2	61.8	141.8	0.0	0.3	29.9	0.0	0.0	0.0
07	76.6	55.8	66.2	3.2	2.2	2.6	349.8	290.9	207.5	93.0	27.0	14.1	2.6	5.7	15.4	55.8	0.0	0.5	31.0	0.0	0.0	0.0
08	76.5	53.8	65.1	2.9	2.1	2.4	321.4	264.1	184.6	81.9	24.2	13.4	6.8	11.6	25.1	77.4	0.0	1.4	31.0	0.0	0.0	0.0
09	67.3	44.0	55.7	3.2	2.7	2.8	117.8	89.0	55.3	20.0	4.4	2.0	98.3	129.7	185.9	300.6	0.0	0.3	28.5	0.0	2.7	0.0
10	50.9	30.6	40.7	4.6	3.5	3.6	13.0	8.6	4.1	0.9	0.1	0.0	454.7	512.4	600.9	752.6	0.0	0.0	16.1	2.6	19.4	0.1
11	32.3	15.7	24.0	6.9	6.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	930.0	989.9	1080.0	1230.0	0.0	0.0	3.3	15.5	28.4	3.8
12	18.2	2.2	10.2	7.1	6.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	1388.6	1450.6	1543.6	1698.6	0.0	0.0	0.0	26.6	31.0	13.5
Summary	47.1	27.2	37.1	4.9	4.5	4.6	1109	888	597	249	68	36	7571	8080	8884	10360	0.0	2.6	182.0	117.4	200.0	61.5

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	0.45	7.5	1.1	0.1	0.0	0.27	0.43	0.64	
02	0.36	5.4	1.2	0.1	0.0	0.19	0.25	0.50	
03	0.59	6.1	1.8	0.2	0.0	0.27	0.42	0.72	
04	1.14	5.9	3.0	0.5	0.0	0.61	1.02	1.59	
05	3.13	11.1	6.1	2.0	0.9	1.75	2.82	4.68	
06	4.17	12.9	7.9	2.3	0.9	3.09	4.38	5.16	
07	3.44	10.8	6.3	2.1	0.7	2.21	2.94	4.21	
08	2.45	9.3	5.5	1.4	0.6	1.51	1.97	3.41	
09	2.11	8.4	4.2	1.4	0.4	0.78	1.55	2.80	
10	1.52	7.8	3.6	0.9	0.3	0.62	1.28	2.02	
11	0.75	6.4	2.4	0.3	0.1	0.28	0.58	1.10	
12	0.64	7.3	2.3	0.0	0.0	0.40	0.53	0.80	
Summary	20.75	98.9	45.4	11.3	3.9	11.98	18.17	27.63	

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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	8.20	7.6	2.7	0.8	0.3	0.0	30.7	29.5	27.7	22.8	4.60	6.90	12.60
02	6.10	5.5	2.5	0.5	0.0	0.0	28.3	27.9	27.2	21.6	3.20	5.60	8.50
03	6.10	4.5	2.6	0.5	0.1	0.0	27.3	26.0	24.5	20.5	2.90	6.50	9.40
04	4.40	1.9	1.2	0.6	0.3	0.0	8.0	5.7	5.0	3.5	0.00	2.10	5.60
05	1.20	0.4	0.3	0.2	0.1	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	2.60	1.4	0.9	0.3	0.1	0.0	2.6	0.9	0.5	0.0	0.00	1.10	4.00
11	8.10	5.2	3.3	0.9	0.3	0.0	18.1	13.2	7.3	2.1	2.90	9.00	12.10
12	10.60	7.4	4.1	1.0	0.3	0.0	29.4	25.7	21.6	10.2	7.60	10.20	14.10
Summary	47.3	33.9	17.6	4.8	1.5	0.0	144.4	128.9	113.8	80.7	21.2	41.4	66.3

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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	0.0	0.1	8.4	97.9	386.3	652.3	812.1	779.3	473.2	140.4	11.4	0.0
45	0.0	0.0	2.8	46.5	258.8	503.4	657.1	624.5	334.4	73.4	3.4	0.0
50	0.0	0.0	0.9	17.7	154.4	357.8	502.2	470.4	212.4	33.0	0.4	0.0
55	0.0	0.0	0.3	4.7	78.3	223.9	349.8	321.4	117.8	13.0	0.0	0.0
60	0.0	0.0	0.1	0.7	30.9	114.2	207.5	184.6	55.3	4.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.3	5.9	65.9	227.9	381.1	507.7	481.5	276.7	87.2	9.6	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	8	106	493	1145	1957	2736	3210	3350	3361	3361
45	0	0	3	49	308	812	1469	2093	2428	2501	2504	2504
50	0	0	1	19	173	531	1033	1503	1716	1749	1749	1749
55	0	0	0	5	83	307	657	978	1096	1109	1109	1109
60	0	0	0	1	32	146	353	538	593	597	597	597
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	6	72	300	681	1189	1670	1947	2034	2044	2044

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