

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 357 ft. Lat: 37.1644° N Lon: 88.4311° W

Station: SMITHLAND L&D, IL US USC00118020

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	42.8	25.7	34.2	4.0	4.5	4.1	3.4	1.8	0.5	0.0	0.0	0.0	646.4	706.8	798.6	953.1	0.0	0.0	9.0	6.5	23.2	0.3
02	46.9	28.4	37.7	4.6	4.5	4.4	5.1	2.8	1.1	0.1	0.0	0.0	490.7	544.5	626.8	765.8	0.0	0.0	12.0	3.9	18.3	0.3
03	56.7	36.6	46.7	5.0	4.3	4.6	39.2	27.5	14.8	4.0	0.7	0.2	298.0	348.3	428.6	572.8	0.0	0.0	21.7	0.5	11.2	0.1
04	68.1	46.0	57.0	3.4	2.9	3.0	147.9	114.7	73.3	26.6	5.9	2.6	86.4	113.2	161.8	265.1	0.0	0.0	28.4	0.0	2.3	0.0
05	76.8	55.8	66.3	2.8	3.1	2.8	356.9	301.2	224.0	117.6	43.7	24.6	6.6	12.9	28.7	77.3	0.0	0.7	31.0	0.0	0.0	0.0
06	84.6	64.7	74.7	2.4	2.3	2.1	589.4	529.5	440.2	294.4	161.1	115.8	0.1	0.2	0.8	5.0	0.0	7.0	30.0	0.0	0.0	0.0
07	87.9	68.6	78.3	2.7	2.4	2.4	720.6	658.6	565.7	410.8	258.3	200.6	0.0	0.0	0.0	0.1	0.4	13.4	31.0	0.0	0.0	0.0
08	87.3	67.0	77.2	2.9	2.4	2.5	686.5	624.5	531.6	377.4	227.7	172.3	0.0	0.0	0.0	0.8	0.4	11.3	31.0	0.0	0.0	0.0
09	81.2	59.7	70.5	3.2	2.3	2.5	465.1	406.7	321.9	193.3	91.9	61.8	1.7	3.4	8.5	29.9	0.0	4.9	30.0	0.0	0.0	0.0
10	70.1	47.2	58.7	3.4	2.5	2.6	177.3	139.0	91.2	38.1	11.9	6.5	64.2	87.8	133.1	235.0	0.0	0.2	30.5	0.0	1.6	0.0
11	57.0	36.5	46.8	4.9	3.8	4.1	33.3	22.2	11.1	2.5	0.2	0.0	280.7	329.7	408.6	550.0	0.0	0.0	22.3	0.3	11.3	0.0
12	46.4	29.3	37.8	4.2	4.1	4.1	5.6	3.2	1.2	0.1	0.0	0.0	537.1	596.6	687.7	841.7	0.0	0.0	12.2	3.6	19.5	0.1
Summary	67.1	47.1	57.2	3.6	3.3	3.3	3230	2832	2277	1465	801	584	2412	2743	3283	4297	0.8	37.5	289.1	14.8	87.4	0.8

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	3.71	10.0	6.3	2.7	1.1	2.44	3.69	4.37
02	4.10	9.3	6.2	2.7	1.1	2.61	3.45	5.07
03	4.78	11.4	7.8	3.3	1.3	3.13	4.24	6.18
04	5.07	10.9	7.9	3.6	1.6	3.45	4.85	6.19
05	4.56	11.4	8.2	3.3	1.2	3.01	4.14	6.45
06	4.30	8.8	6.7	3.2	1.5	3.23	4.23	4.99
07	4.26	8.1	5.7	2.9	1.4	2.27	3.83	5.38
08	2.79	6.6	4.5	2.2	0.8	1.43	2.89	3.75
09	3.57	6.5	4.9	2.5	1.3	1.61	3.18	5.33
10	3.61	7.2	5.2	2.7	1.1	2.08	3.60	4.84
11	4.19	9.0	6.2	3.1	1.4	2.37	3.47	5.99
12	4.35	10.2	7.2	3.5	1.1	3.13	3.84	5.76
Summary	49.29	109.4	76.8	35.7	14.9	30.76	45.41	64.30

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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	0.40	0.6	0.3	0.2	0.1	0.0	1.4	0.7	0.3	0.0	0.00	0.00	0.40
02	1.20	0.8	0.6	0.1	0.0	0.0	1.5	0.3	0.1	0.0	0.00	0.00	0.70
03	0.40	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1	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	1.80	1.1	0.6	0.2	0.1	0.0	1.3	0.6	0.2	0.2	0.00	0.00	2.20
Summary	3.8	2.6	1.6	0.6	0.3	0.0	4.4	1.8	0.7	0.2	0.0	0.0	3.3

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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	62.3	90.1	256.4	515.2	815.3	1039.3	1185.6	1151.4	913.3	580.2	245.9	92.7
45	29.0	43.4	157.3	376.2	660.4	889.3	1030.6	996.5	763.3	430.7	146.9	43.1
50	11.6	17.2	85.2	251.1	506.0	739.3	875.6	841.5	613.5	292.9	77.1	17.5
55	3.4	5.1	39.2	147.9	356.9	589.4	720.6	686.5	465.1	177.3	33.3	5.6
60	0.5	1.1	14.8	73.3	224.0	440.2	565.7	531.6	321.9	91.2	11.1	1.2
Growing Degree Units for Corn (Monthly)												
50/86	35.2	53.1	149.0	308.7	519.4	712.5	825.5	795.0	602.9	353.2	139.8	46.9
Growing Degree Units (Accumulated Monthly)												
40	62	152	409	924	1739	2779	3964	5116	6029	6609	6855	6948
45	29	72	230	606	1266	2156	3186	4183	4946	5377	5524	5567
50	12	29	114	365	871	1610	2486	3328	3941	4234	4311	4328
55	3	8	48	196	552	1142	1862	2549	3014	3191	3225	3230
60	0	2	16	90	314	754	1320	1851	2173	2264	2275	2277
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	35	88	237	546	1065	1778	2603	3398	4001	4354	4494	4541

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