

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3965 ft. Lat: 39.7033° N Lon: 102.2939° W
Station: IDALIA, CO US USC00054242
Generated on 05/02/2024

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	42.1	16.2	29.1	4.8	3.2	3.7	0.1	0.0	0.0	0.0	0.0	0.0	801.5	863.4	956.4	1111.3	0.0	0.0	9.9	7.6	30.4	2.7
02	44.1	18.1	31.1	6.2	4.6	5.1	0.5	0.2	0.0	0.0	0.0	0.0	669.4	725.0	808.9	949.1	0.0	0.0	10.9	5.8	26.9	1.9
03	54.7	26.0	40.3	4.6	3.4	3.7	7.3	3.9	1.3	0.0	0.0	0.0	461.6	520.3	610.5	764.2	0.0	0.0	20.6	2.4	23.9	0.6
04	62.2	33.3	47.7	3.8	2.6	2.9	31.2	19.2	8.5	1.1	0.0	0.0	248.5	296.5	375.9	518.6	0.0	0.1	24.7	0.9	13.3	0.0
05	71.6	43.9	57.7	4.0	2.3	2.8	162.0	125.0	79.6	28.4	6.6	3.4	76.7	101.7	149.2	253.2	0.0	1.6	29.4	0.0	2.1	0.0
06	83.9	54.4	69.1	3.8	2.5	2.9	428.7	371.5	289.2	166.3	71.9	46.6	4.5	7.2	14.9	41.9	1.2	9.0	29.9	0.0	0.0	0.0
07	89.6	60.6	75.1	3.3	1.9	2.4	622.7	560.9	468.6	317.7	177.4	128.7	0.0	0.2	0.8	4.7	2.7	17.0	31.0	0.0	0.0	0.0
08	86.9	58.2	72.6	3.5	1.9	2.5	544.3	482.7	390.8	244.4	117.9	78.3	0.4	0.9	1.9	10.4	0.8	13.4	31.0	0.0	0.0	0.0
09	79.0	49.4	64.2	3.8	2.7	3.0	300.9	251.3	183.3	90.7	29.8	15.5	25.2	35.6	57.5	114.7	0.0	5.5	29.5	0.0	0.5	0.0
10	65.4	36.0	50.7	4.2	2.8	3.3	65.7	45.3	22.9	4.8	0.5	0.1	198.8	240.4	311.1	448.1	0.0	0.3	26.9	0.8	10.3	0.0
11	52.3	24.9	38.6	5.6	3.0	4.0	4.9	2.5	0.6	0.0	0.0	0.0	496.8	554.4	642.5	792.0	0.0	0.0	17.3	3.0	24.8	0.3
12	42.7	16.9	29.8	3.8	3.7	3.4	0.1	0.0	0.0	0.0	0.0	0.0	780.9	842.8	935.9	1091.1	0.0	0.0	10.8	7.0	30.4	2.2
Summary	64.5	36.5	50.5	4.3	2.9	3.3	2168	1862	1445	853	404	273	3764	4188	4866	6099	4.7	46.9	271.9	27.5	162.6	7.7

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	0.47	2.4	1.1	0.3	0.1	0.15	0.35	0.67	
02	0.46	3.0	1.4	0.1	0.0	0.21	0.36	0.64	
03	1.03	3.8	2.5	0.7	0.1	0.48	0.66	1.64	
04	1.83	5.9	4.2	1.2	0.3	0.67	1.84	2.52	
05	2.82	8.1	6.6	2.0	0.6	1.28	2.52	3.63	
06	2.84	7.8	6.3	2.0	0.7	1.75	2.67	3.58	
07	2.96	7.0	5.5	2.1	0.9	1.62	2.83	3.91	
08	3.19	6.3	5.4	2.1	0.7	1.50	2.77	4.52	
09	1.20	3.9	3.0	0.7	0.3	0.63	0.97	1.66	
10	1.38	4.3	3.3	0.8	0.2	0.32	0.96	2.34	
11	0.53	2.9	2.1	0.1	0.0	0.17	0.34	0.70	
12	0.43	2.7	1.6	0.1	0.0	0.11	0.26	0.52	
Summary	19.14	58.1	43.0	12.2	3.9	8.89	16.53	26.33	

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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	4.40	2.0	1.6	0.5	0.3	0.0	9.1	4.1	2.7	0.5	1.20	2.10	5.70
02	5.00	2.5	2.0	0.7	0.2	0.0	8.1	4.2	2.5	0.3	1.00	3.10	7.30
03	5.10	2.0	1.8	0.5	0.2	0.0	3.3	1.3	0.4	0.0	2.00	4.00	6.70
04	3.40	1.3	1.0	0.4	0.2	0.0	0.9	0.2	0.2	0.0	0.30	2.00	5.10
05	0.20	0.2	0.1	0.0	0.0	0.0	0.2	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	0.50	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
10	3.20	0.6	0.6	0.3	0.2	0.0	1.0	0.5	0.3	0.1	0.00	0.00	4.50
11	2.90	1.7	1.5	0.3	0.0	0.0	2.7	0.9	0.6	0.1	0.80	2.00	3.00
12	3.80	2.3	1.8	0.4	0.0	0.0	7.2	2.8	0.9	0.0	2.00	3.60	5.00
Summary	28.5	12.7	10.5	3.1	1.1	0.0	32.6	14.1	7.6	1.0	7.3	16.8	37.3

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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	19.7	34.7	140.7	272.4	552.8	874.3	1087.8	1008.9	727.0	362.7	110.4	23.6
45	4.8	11.9	69.9	163.2	407.0	724.5	932.6	853.8	579.4	239.2	52.8	6.4
50	1.1	3.1	26.4	81.8	273.8	575.5	777.7	698.9	435.6	137.7	19.6	1.2
55	0.1	0.5	7.3	31.2	162.0	428.7	622.7	544.3	300.9	65.7	4.9	0.1
60	0.0	0.0	1.3	8.5	79.6	289.2	468.6	390.8	183.3	22.9	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	33.9	47.8	134.9	205.5	344.4	548.4	695.5	645.4	452.6	258.2	108.9	39.3

Growing Degree Units (Accumulated Monthly)												
40	20	54	195	468	1020	1895	2982	3991	4718	5081	5191	5215
45	5	17	87	250	657	1381	2314	3168	3747	3986	4039	4046
50	1	4	31	112	386	962	1739	2438	2874	3012	3031	3032
55	0	1	8	39	201	630	1252	1797	2098	2163	2168	2168
60	0	0	1	10	89	379	847	1238	1421	1444	1445	1445
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	34	82	217	422	766	1315	2010	2656	3108	3367	3476	3515

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

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