

Summary of climatic data by months for the 2022-2023 crop year (October thru September) and averages for the period 1949-2023 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

Month Year	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	July 2023	Aug 2023	Sept 2023	Total
Precipitation (inches)													
Current Year-Irrigated	1.16	0.58	0.18	0.02	0.01	0.07	0.31	3.47	1.38	1.20	2.77	1.12	13.39
Avg. 1949 to 2023	0.91	0.48	0.43	0.39	0.35	0.52	1.12	2.21	2.68	2.03	1.45	1.35	13.92
Current Year-Dryland	1.78	0.49	1.39	0.16	0.04	0.14	0.34	3.33	1.69	1.21	2.19	1.45	14.21
Temperature (F °)													Average
Ave. Maximum Temp	58.9	30.9	16.1	27.2	32.3	27.8	51.7	74.2	81.1	82.9	84.0	77.0	53.7
Ave. Minimum Temp	36.2	13.0	-1.1	9.7	10.9	8.7	29.0	46.5	55.3	55.0	56.0	47.9	30.6
Current Year Mean Temp	47.6	22.0	7.5	18.5	21.6	18.3	40.4	60.4	68.2	69.0	70.0	62.5	42.1
Avg. 1949 to 2023	45.8	30.2	18.1	13.6	19.2	30.5	44.2	56.0	64.7	70.2	68.8	58.2	43.3

Last killing frost in spring *

2023 May 2, 2023 (28.9°F)
 Avg. 1949 to 2023 May 14

First killing frost in fall *

2023 October 6, 2023 (31.5°F)
 Avg. 1949 to 2023 September 22

Frost-free period

2023 157
 Avg. 1949 to 2023 130

Growing degree days (base 50) **

May 1 - First killing frost 2600.3
 Avg. 1949 to 2023 2256.8

Maximum summer temperature July 24, 2023 (101.5°F)

Minimum winter temperature February 24, 2023 (-27.5°F)

* 32° is considered a killing frost. ** In calculating growing degree days, 29° is considered a killing frost.

NOTE: *Precipitation* derived from: NDAWN for October 2022 through October 2023 & National Weather Service for December 2022.

Temperature: NDAWN