

Summary of climatic data by months for the 2023-2024 crop year (October thru September) and averages for the period 1949-2024 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

Month Year	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	June 2024	July 2024	Aug 2024	Sept 2024	Total
Precipitation (inches)													Total
Current Year-Irrigated	2.68	0.00	0.19	0.13	0.21	0.13	0.33	3.27	1.84	0.49	0.49	0.59	10.35
Avg. 1949 to 2024	0.94	0.47	0.43	0.38	0.35	0.52	1.11	2.22	2.67	2.01	1.44	1.34	13.88
Current Year-Dryland	1.97	0.00	0.18	0.08	0.14	0.18	0.29	3.05	2.61	0.45	1.61	0.65	11.21
Temperature (F °)													Average
Ave. Maximum Temp	53.7	44.8	40.2	23.6	40.0	37.2	62.2	67.0	75.9	87.9	83.7	82.3	58.2
Ave. Minimum Temp	32.3	21.0	18.1	5.9	19.3	14.4	32.4	42.6	49.0	57.4	55.6	47.2	32.9
Current Year Mean Temp	43.0	32.9	29.2	14.8	29.7	25.8	47.3	54.8	62.5	72.7	69.7	64.8	45.6
Avg. 1949 to 2024	45.7	30.2	18.3	13.6	19.4	30.4	44.3	56.0	64.6	70.2	68.8	58.2	43.3

Last killing frost in spring *

2024 May 4, 2024 (31.5°F)
 Avg. 1949 to 2024 May 14

First killing frost in fall *

2024 October 4, 2024 (30.6°F)
 Avg. 1949 to 2024 September 22

Frost-free period

2024 153
 Avg. 1949 to 2024 131

Growing degree days (base 50) **

May 1 - First killing frost 2472.3
 Avg. 1949 to 2024 2259.7

Maximum summer temperature July 24, 2024 (102.4°F)

Minimum winter temperature January 13, 2024 (-32.8°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 2023 through October 2024.

Temperature: NDAWN