

Summary of climatic data by months for the 2019-2020 crop year (October thru September) and averages for the period 1949-2020 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

Month Year	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sept 2020	Total
<u>Precipitation (inches)</u>													
Current Year-Irrigated	0.67	0.22	0.33	0.46	0.43	0.40	0.03	1.48	1.10	1.62	0.89	0.30	7.93
Avg. 1949 to 2020	0.91	0.49	0.44	0.40	0.36	0.54	1.13	2.15	2.71	2.08	1.46	1.38	14.05
Current Year-Dryland	0.63	0.22	0.33	0.46	0.43	0.40	0.02	1.60	1.05	1.78	0.91	0.33	8.16
<u>Temperature (F °)</u>													Average
Ave. Maximum Temp	49.7	37.6	31.5	25.9	34.2	43.7	53.7	68.1	78.6	84.2	87.6	72.8	55.6
Ave. Minimum Temp	27.8	18.8	11.0	9.3	12.2	21.1	24.8	41.7	51.2	54.3	53.1	42.9	30.7
Current Year Mean Temp	38.8	28.2	21.3	17.6	23.2	32.4	39.3	54.9	64.9	69.3	70.4	57.9	43.2
Avg. 1949 to 2020	45.8	30.2	18.2	13.3	19.3	30.5	44.4	56.0	64.6	70.1	68.7	58.0	43.3

Last killing frost in spring *

2020 May 11, 2020 (20.5°F)
 Avg. 1949 to 2020 May 15

First killing frost in fall *

2020 September 8, 2020 (28.0°F)
 Avg. 1949 to 2020 September 21

Frost-free period

2020 119
 Avg. 1949 to 2020 129

Growing degree days (base 50) **

May 1 - First killing frost 2077.3
 Avg. 1949 to 2020 2244.1

Maximum summer temperature August 18, 2020 (99.9°F)

Minimum winter temperature February 13, 2020 (-20.3°F)

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

NOTE: *Precipitation* derived from: NDAWN April - October & National Weather Service November – March. *Temperature:* NDAWN