

Summary of climatic data by months for the 2020-2021 crop year (October thru September) and averages for the period 1949-2021 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

Month Year	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	July 2021	Aug 2021	Sept 2021	Total
<b><u>Precipitation (inches)</u></b>													
<b>Current Year-Irrigated</b>	0.62	0.19	0.05	0.08	0.11	0.04	0.17	1.64	2.07	0.02	1.07	0.41	<b>6.47</b>
<b>Avg. 1949 to 2021</b>	0.91	0.48	0.44	0.40	0.36	0.53	1.12	2.14	2.70	2.05	1.45	1.37	<b>13.95</b>
<b>Current Year-Dryland</b>	0.62	0.19	0.05	0.08	0.11	0.04	0.30	2.25	2.12	0.52	0.83	0.34	<b>7.45</b>
<b><u>Temperature (F °)</u></b>													
<b>Ave. Maximum Temp</b>	49.9	45.0	39.7	34.6	21.9	53.4	57.8	65.8	83.3	90.3	82.8	78.8	<b>58.6</b>
<b>Ave. Minimum Temp</b>	26.0	20.8	16.0	15.8	-2.2	20.4	27.3	40.1	53.4	60.4	53.4	44.7	<b>31.3</b>
<b>Current Year Mean Temp</b>	38.0	32.9	27.9	25.2	9.9	36.9	42.6	53.0	68.4	75.4	68.1	61.8	<b>45.0</b>
<b>Avg. 1949 to 2021</b>	45.7	30.2	18.3	13.5	19.2	30.6	44.4	55.9	64.6	70.2	68.7	58.0	<b>43.3</b>

**Last killing frost in spring \***

2021 .....May 11, 2021 (31.8°F)  
 Avg. 1949 to 2021 .....May 15

**First killing frost in fall \***

2021 .....October 19, 2021 (27.2°F)  
 Avg. 1949 to 2021 .....September 22

**Frost-free period**

2021 ..... 161  
 Avg. 1949 to 2021 ..... 130

**Growing degree days (base 50) \*\***

May 1 - First killing frost .....2657.5  
 Avg. 1949 to 2021 .....2249.8

**Maximum summer temperature**.....July 19, 2021 (102.9°F)

**Minimum winter temperature**.....February 13, 2021 (-29.1°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