

Summary of climatic data by months for the 2018-2019 crop year (October thru September) and averages for the period 1949-2019 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

Month Year	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	June 2019	July 2019	Aug 2019	Sept 2019	Total
<b><u>Precipitation (inches)</u></b>													
<b>Current Year-Irrigated</b>	0.41	1.06	0.41	0.38	0.87	0.00	1.12	1.78	2.39	3.28	1.52	9.28	<b>22.50</b>
<b>Avg. 1949 to 2019</b>	0.92	0.49	0.44	0.40	0.36	0.54	1.15	2.16	2.73	2.07	1.46	1.39	<b>14.11</b>
<b>Current Year-Dryland</b>	0.45	1.06	0.41	0.38	0.87	0.00	1.26	1.56	2.98	2.50	1.85	8.19	<b>21.51</b>
<b><u>Temperature (F °)</u></b>													<b>Average</b>
<b>Ave. Maximum Temp</b>	54.5	34.9	33.9	28.0	6.0	35.5	57.1	62.9	76.8	81.6	80.8	69.6	<b>51.8</b>
<b>Ave. Minimum Temp</b>	28.8	19.7	15.9	10.3	-14.0	15.6	31.9	37.7	49.9	54.9	53.3	46.8	<b>29.2</b>
<b>Current Year Mean Temp</b>	41.7	27.3	24.9	19.2	- 4.0	25.6	44.5	50.3	63.4	68.3	67.1	58.2	<b>40.5</b>
<b>Avg. 1949 to 2019</b>	45.9	30.2	18.1	13.2	19.3	30.5	44.5	56.0	64.6	70.2	68.7	58.0	<b>43.3</b>

**Last killing frost in spring \***

2019 ..... May 17, 2019 (31.8°F)  
 Avg. 1949 to 2019 ..... May 15

**First killing frost in fall \***

2019 ..... October 2, 2019 (31.9°F)  
 Avg. 1949 to 2019 ..... September 21

**Frost-free period**

2019 ..... 138  
 Avg. 1949 to 2019 ..... 129

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

May 1 - First killing frost ..... 2352.7  
 Avg. 1949 to 2019 ..... 2250.6

**Maximum summer temperature** ..... August 3, 2019 (96.2°F)

**Minimum winter temperature** ..... February 8, 2019 (-42.4°F)

\* 32° is considered a killing frost.

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