

Summary of climatic data by months for the 2014-2015 crop year (October thru September) and averages for the period 1949-2015 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

| | <i>Month and Year</i> | | | | | | | | | | | | Total or Average |
|---|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------------|----------------------|---------------------------------|
| | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | June 2015 | July 2015 | Aug 2015 | Sept 2015 | |
| Precipitation (inches) | | | | | | | | | | | | | |
| Current Year-Irrigated | 0.09 | 0.39 | 0.25 | 0.26 | 0.19 | 0.39 | 0.25 | 1.27 | 4.04 | 1.93 | 1.28 | 2.38 | 12.72 |
| Avg. 1949 to 2014-5 | 0.94 | 0.50 | 0.45 | 0.41 | 0.35 | 0.54 | 1.14 | 2.17 | 2.78 | 2.09 | 1.48 | 1.25 | 14.10 |
| Current Year-Dryland | 0.23 | 0.39 | 0.25 | 0.26 | 0.19 | 0.39 | 0.35 | 1.74 | 3.53 | 2.12 | 1.19 | 2.40 | 13.04 |
| Mean Temperature (F °) | | | | | | | | | | | | | |
| Current Year | 48.5 | 22.0 | 22.9 | 20.7 | 16.7 | 39.3 | 46.4 | 53.7 | 66.7 | 71.1 | 69.3 | 61.9 | 44.93 |
| Avg. 1949 to 2015 | 45.9 | 30.1 | 18.1 | 13.1 | 19.6 | 30.5 | 44.6 | 56.0 | 64.5 | 70.1 | 68.8 | 58.0 | 43.28 |
| Last killing frost in spring * | | | | | | | | | | | | | |
| 2015 | May 20, 2015 (31.5°F) | | | | | | | | | | | | |
| Avg. 1949 to 2015 | May 15 | | | | | | | | | | | | |
| First killing frost in fall * | | | | | | | | | | | | | |
| 2015 | October 14, 2015 (31.8°F) | | | | | | | | | | | | |
| Avg. 1949 to 2015 | September 21 | | | | | | | | | | | | |
| Frost-free period | | | | | | | | | | | | | |
| 2015 | 147 | | | | | | | | | | | | |
| Avg. 1949 to 2015 | 129 | | | | | | | | | | | | |
| Growing degree days (base 50) ** | | | | | | | | | | | | | |
| May 1 - First killing frost | 2503.9 | | | | | | | | | | | | |
| Avg. 1949 to 2014 | 2247.9 | | | | | | | | | | | | |
| Maximum summer temperature | August 12, 2015 (102.4°F) | | | | | | | | | | | | |
| Minimum winter temperature | January 7, 2015 (-24.6°F) | | | | | | | | | | | | |

* 32° is considered a killing frost.

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

