

Table_____ Summary of climatic data by months for the 2011-2012 crop year (October thru September) and averages for the period 1949-2012 at the Eastern Agricultural Research Center, Sidney, Montana, irrigated and dryland site.

| | <i>Month and Year</i> | | | | | | | | | | | | Total or Average |
|-----------------------------------------|-----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------------|----------------------|---------------------------------|
| | Oct 2011 | Nov 2011 | Dec 2011 | Jan 2012 | Feb 2012 | Mar 2012 | Apr 2012 | May 2012 | June 2012 | July 2012 | Aug 2012 | Sept 2012 | |
| Precipitation (inches) | | | | | | | | | | | | | |
| Current Year-Irrigated | 0.39 | 0.35 | 0.10 | 0.09 | 0.21 | 0.05 | 1.43 | 2.04 | 1.08 | 2.70 | 0.78 | 0.03 | 9.25 |
| Avg 1949 to 2012 | 0.93 | 0.50 | 0.45 | 0.42 | 0.36 | 0.53 | 1.14 | 2.11 | 2.76 | 2.13 | 1.39 | 1.25 | 13.97 |
| Current Year-Dryland | 0.41 | 0.35 | 0.10 | 0.09 | 0.21 | 0.05 | 1.72 | 2.68 | 1.11 | 1.51 | 0.76 | 0.04 | 9.03 |
| Mean Temperature (F°) | | | | | | | | | | | | | |
| Current Year | 49.7 | 31.3 | 26.4 | 24.1 | 22.5 | 43.6 | 48.5 | 55.7 | 67.0 | 75.5 | 68.4 | 59.6 | 47.69 |
| Avg 1949 to 2012 | 46.0 | 30.3 | 18.2 | 12.8 | 19.6 | 30.5 | 44.7 | 56.0 | 64.5 | 70.1 | 68.8 | 57.9 | 43.28 |
| Last killing frost in spring * | | | | | | | | | | | | | |
| 2012 | May 12, 2012 (31.9°F) | | | | | | | | | | | | |
| Avg 1949 to 2012 | May 15 | | | | | | | | | | | | |
| First killing frost in fall * | | | | | | | | | | | | | |
| 2012 | September 13, 2012 (32.0°F) | | | | | | | | | | | | |
| Avg 1949 to 2012 | September 21 | | | | | | | | | | | | |
| Frost-free period | | | | | | | | | | | | | |
| 2012 | 124 | | | | | | | | | | | | |
| Avg 1949 to 2012 | 128 | | | | | | | | | | | | |
| Growing degree days (base 50) ** | | | | | | | | | | | | | |
| May 1 - First killing frost | 2236.3 | | | | | | | | | | | | |
| Avg 1949 to 2012 | 2246.5 | | | | | | | | | | | | |
| Maximum summer temperature | June 26, 2012 (103.5°F) | | | | | | | | | | | | |
| Minimum winter temperature | January 18, 2012 (-15.8°F) | | | | | | | | | | | | |

* 32° is considered a killing frost.

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