

Summary of climatic data by months for the 2018-2019 cropping year (September to August) compared to averages for the period (1986 – 2018) at the Western Triangle Agricultural Research Center near Conrad, Montana.

| | 2018 | | | | 2019 | | | | | | | | Year |
|-------------------------------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------------|
| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | |
| <u>Precipitation (inches)</u> | | | | | | | | | | | | | <u>Total</u> |
| Current Year (2018-2019) | 1.23 | 0.44 | 0.15 | 0.14 | 0.24 | 0.12 | 0.11 | 2.02 | 2.5 | 0.81 | 0.56 | 0.89 | 9.21 |
| Average | 1.23 | 0.68 | 0.31 | 0.22 | 0.29 | 0.23 | 0.42 | 1.05 | 1.84 | 2.87 | 1.36 | 1.22 | 11.72 |
| Difference | 0.00 | (0.24) | (0.16) | (0.08) | (0.05) | (0.11) | (0.31) | 0.97 | 0.66 | (2.06) | (0.80) | (0.33) | (2.51) |
| <u>Mean Temperature (°F)</u> | | | | | | | | | | | | | <u>Mean</u> |
| Current Year (2018-2019) | 51.1 | 40.8 | 31.5 | 27.5 | 26.1 | -1.6 | 23.7 | 41.1 | 47.0 | 58.7 | 64.1 | 64.0 | 39.5 |
| Average | 56.8 | 44.6 | 32.0 | 23.5 | 23.0 | 24.2 | 32.7 | 42.5 | 51.7 | 59.4 | 66.9 | 65.9 | 43.6 |
| Difference | (5.70) | (3.79) | (0.49) | 4.02 | 3.09 | (25.81) | (9.01) | (1.40) | (4.68) | (0.74) | (2.77) | (1.91) | (4.10) |

| | |
|--------------------------------------|------------------------|
| Last killing frost in spring (32 °F) | May 10 |
| Average | May 17 |
| First killing frost in fall (32 °F) | September 29 |
| Average | September 25 |
| Frost free period (days) | 113 |
| Average | 130 |
| Maximum summer temperature (°F) | 92.7 on August 8, 2019 |
| Minimum winter temperature (°F) | -27.9 on Mar 4, 2019 |

Data from: Montana (MST) SCAN Site Conrad Ag Rc – NRCS National Water and Climate Center