



# Crop Weather Report

**Issue: 10-35** Montana Field Office · 10 W 15<sup>th</sup> St, Suite 3100 · Helena, MT 59626 **Released: November 29, 2010**  
Issued: Weekly: Apr-Oct (406) 441-1240 · (406) 441-1250 FAX · www.nass.usda.gov/mt For the Month Ending:  
Monthly: Nov-Mar November 29, 2010

## Weather Summary

Montana experienced temperatures that were above normal for the first week of November. The next two weeks had temperatures closer to average, followed by bitter cold in the fourth week of November, with locations across the state dipping below zero degrees. The high for the month of November was 79 degrees in Ryegate, with several other highs in the low to mid 70s. Every reporting station in the State reported low temperatures below zero--the coldest was Chester at minus 32. Swan Lake received the highest precipitation at 3.61 inches during the month of November. Monthly precipitation totals were above average at 85% of the reporting stations.

Topsoil moisture rated adequate and surplus is 81 percent, compared to 49 percent from last year. Subsoil moisture rated adequate and surplus is 83 percent, compared to 46 percent last year. The number of days suitable for field work was 0.4 days, compared to 6.3 days last year.

The weather outlook for December 6<sup>th</sup> through December 12<sup>th</sup> is above normal precipitation across the State, with temperatures near normal on both sides of the Divide. Normal temperatures for this period in Montana are highs in the mid 20s to the upper 30s, and lows of 5 to 20 degrees.

| Soil Moisture Table     | This Month | Last Year |
|-------------------------|------------|-----------|
| <b>Topsoil Moisture</b> |            |           |
| Very Short              | 0          | 11        |
| Short                   | 19         | 40        |
| Adequate                | 73         | 49        |
| Surplus                 | 8          | 0         |
| <b>Subsoil Moisture</b> |            |           |
| Very Short              | 2          | 19        |
| Short                   | 15         | 35        |
| Adequate                | 82         | 45        |
| Surplus                 | 1          | 1         |

The U.S. Drought Monitor map displayed below can be found at: <http://drought.unl.edu/dm/monitor.html>.

## Field Crops Report

Heavy snowfall in November provided a sufficient blanket of snow to cover the emerged winter wheat. Wheat that had not been covered by snow may be affected by the ice and wind in late November. Winter wheat condition good to excellent is 74 percent compared to 48 percent last year. Corn harvested for grain is slightly ahead of progress compared to last year.

## Livestock Report

Range and pasture feed conditions were 32 percent good to excellent, compared to 14 percent last year. Heavy snowfall has hampered grazing conditions, and, along with extremely cold temperatures, has caused an increase in supplemental feeding for livestock.

| Crop Progress Table | This Week | Last Year |
|---------------------|-----------|-----------|
| <b>Harvested</b>    |           |           |
| Corn for Grain      | 67        | 64        |
| <b>Emerged</b>      |           |           |
| Winter Wheat        | 98        | 92        |

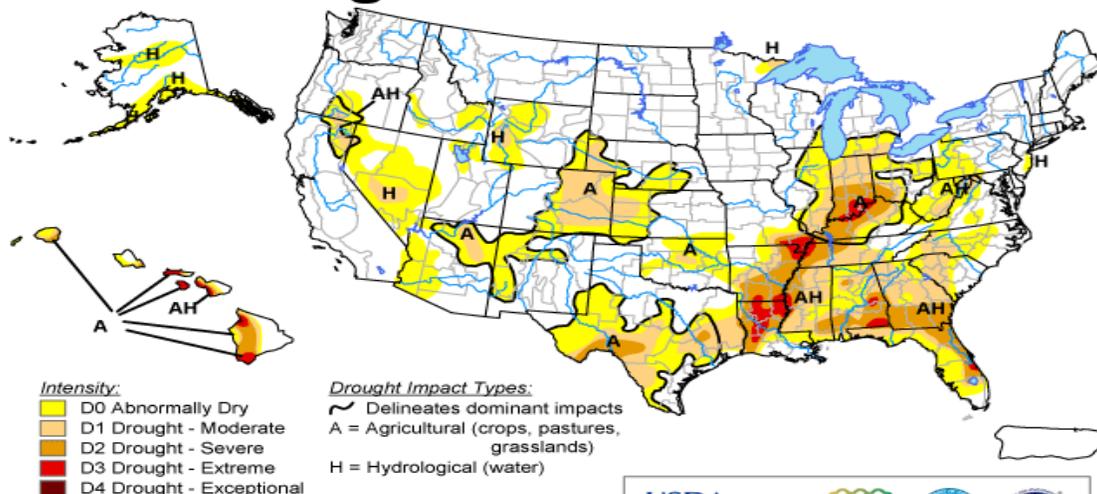
| Crop Condition Table | This Month | Last Year |
|----------------------|------------|-----------|
| <b>Winter Wheat</b>  |            |           |
| Very Poor            | 0          | 0         |
| Poor                 | 3          | 2         |
| Fair                 | 23         | 50        |
| Good                 | 63         | 42        |
| Excellent            | 11         | 6         |

| Range & Livestock Table                      | This Month | Last Year |
|--|------------|-----------|
| <b>Range and Pasture Feed Condition</b>      |            |           |
| Very Poor                                    | 4          | 18        |
| Poor   | 15         | 36        |
| Fair   | 49         | 32        |
| Good   | 27         | 13        |
| Excellent                                    | 5          | 1         |
| <b>Livestock Moved From Summer Ranges</b>    |            |           |
| Cattle and Calves                            | 97         | 95        |
| Sheep and Lambs                              | 99         | 97        |
| <b>Livestock Receiving Supplemental Feed</b> |            |           |
| Cattle and Calves                            | 76         | 33        |
| Sheep and Lambs                              | 80         | 45        |

## U.S. Drought Monitor November 23, 2010

Valid 7 a.m. EST



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>



Released Wednesday, November 24, 2010  
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Completed and Summarized by:  
USDA, NASS, Montana Field Office

In conjunction with: MSU Extension Agents  
USDA County Service Centers

**Weather Information for the month ending 11/28/2010**

| Station              | Temperature |     |     |     | Precipitation November |       |       | Precipitation October 1 to date |       |       |
|----------------------|-------------|-----|-----|-----|------------------------|-------|-------|---------------------------------|-------|-------|
|                      | Hi          | Low | Avg | DFN | Total                  | DFN   | % Nrm | Total                           | DFN   | % Nrm |
| <b>NORTHWEST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Alberton             | 64          | -6  | 31  | -2  | 2.20                   | +1.32 | 250   | 3.06                            | +1.35 | 179   |
| Anaconda             | 69          | -16 | 29  | -4  | 1.71                   | +0.91 | 214   | 2.62                            | +0.98 | 160   |
| Clinton              | 61          | -12 | 31  | +4  | 1.28                   | -0.07 | 95    | 2.38                            | +0.01 | 100   |
| Corvallis            | 63          | -14 | 30  | -5  | 0.70                   | -0.06 | 92    | 1.78                            | +0.25 | 116   |
| Creston              | 63          | -10 | 30  | -3  | 2.47                   | +1.05 | 174   | 3.24                            | +0.57 | 121   |
| Deer Lodge           | 71          | -21 | 26  | -6  | 0.52                   | +0.14 | 137   | 1.15                            | +0.20 | 121   |
| Drummond             | 62          | -12 | 28  | -3  | 1.39                   | +0.66 | 190   | 2.20                            | +0.70 | 147   |
| Hamilton             | 64          | -12 | 31  | -2  | 2.29                   | +1.26 | 222   | 3.49                            | +1.71 | 196   |
| Kalispell            | 60          | -9  | 31  | -1  | 2.18                   | +0.85 | 164   | 2.66                            | +0.37 | 116   |
| Missoula             | 62          | -5  | 32  | -1  | 1.41                   | +0.53 | 160   | 2.39                            | +0.68 | 140   |
| Olney                | 57          | -19 | 27  | -1  | 2.17                   | -0.06 | 97    | 4.01                            | +0.36 | 110   |
| Polson               | 63          | -10 | 31  | -4  | 2.50                   | +1.43 | 234   | 3.95                            | +1.81 | 185   |
| St Ignatius          | 66          | -7  | 32  | -4  | 3.08                   | +2.12 | 321   | 4.29                            | +2.15 | 200   |
| Seeley Lake          | 65          | -8  | 29  | -2  | 3.24                   | +1.16 | 156   | 4.70                            | +1.26 | 137   |
| Sula                 | 70          | -25 | 29  | -2  | 1.28                   | +0.16 | 114   | 2.52                            | +0.23 | 110   |
| Superior             | 63          | -8  | 33  | -3  | 1.96                   | +0.42 | 127   | 2.63                            | -0.05 | 98    |
| Swan Lake            | 60          | -2  | 29  | +1  | 3.61                   | +0.32 | 110   | 5.33                            | -0.11 | 98    |
| Thompson Falls       | 68          | 1   | 35  | -2  | 2.77                   | +0.29 | 112   | 4.00                            | -0.14 | 97    |
| West Glacier         | 52          | -13 | 29  | -3  | 2.86                   | -0.02 | 99    | 5.22                            | +0.27 | 105   |
| <b>NORTH CENTRAL</b> |             |     |     |     |                        |       |       |                                 |       |       |
| Chester              | 71          | -32 | 29  | +0  | 0.83                   | +0.49 | 244   | 1.00                            | +0.18 | 122   |
| Chinook              | 74          | -14 | 27  | -1  | 1.64                   | +1.21 | 381   | 1.85                            | +0.76 | 170   |
| Choteau              | 75          | -20 | 26  | -8  | 0.54                   | +0.29 | 216   | 0.78                            | +0.01 | 101   |
| Cut Bank             | 75          | -17 | 28  | -3  | 0.07                   | -0.33 | 18    | 0.15                            | -0.72 | 17    |
| Ft Assiniboine       | 75          | -17 | 27  | -3  | 1.35                   | +0.90 | 300   | 1.62                            | +0.40 | 133   |
| Fort Benton          | 78          | -22 | 28  | -7  | 1.07                   | +0.55 | 206   | 1.46                            | +0.14 | 111   |
| Goldbutte            | 70          | -23 | 25  | -6  | 1.15                   | +0.66 | 235   | 1.62                            | +0.39 | 132   |
| Harlem               | 76          | -12 | 30  | +2  | 1.96                   | +1.60 | 544   | 2.09                            | +1.18 | 230   |
| Havre                | 75          | -18 | 29  | +0  | 1.12                   | +0.71 | 273   | 1.43                            | +0.40 | 139   |
| Malta                | 75          | -13 | 29  | +3  | 1.37                   | +0.88 | 280   | 1.70                            | +0.44 | 135   |
| Rudyard              | 72          | -24 | 26  | -4  | 0.94                   | +0.66 | 336   | 1.14                            | +0.40 | 154   |
| Shelby               | 69          | -20 | 26  | -5  | 0.68                   | +0.23 | 151   | 0.85                            | -0.18 | 83    |
| Turner               | 73          | -18 | 26  | -2  | 1.18                   | +0.63 | 215   | 1.35                            | +0.36 | 136   |
| Valier               | 70          | -15 | 27  | -6  | 0.62                   | +0.27 | 177   | 0.86                            | -0.09 | 91    |
| <b>NORTHEAST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Bredette             | 69          | -12 | 27  | -2  | 0.57                   | +0.21 | 158   | 1.20                            | +0.14 | 113   |
| Culbertson           | 71          | -16 | 27  | -2  | 0.84                   | +0.40 | 191   | 2.33                            | +1.07 | 185   |
| Glasgow              | 70          | -16 | 28  | -1  | 0.56                   | +0.19 | 151   | 0.85                            | -0.23 | 79    |
| Glendive             | 73          | -9  | 31  | +0  | 0.64                   | +0.17 | 136   | 1.12                            | -0.35 | 76    |
| Jordan               | 75          | -22 | 29  | -1  | 1.09                   | +0.67 | 260   | 1.68                            | +0.38 | 129   |
| Nashua               | 74          | -14 | 27  | -6  | 0.41                   | +0.13 | 146   | 0.86                            | -0.23 | 79    |
| Opheim               | 66          | -24 | 25  | +1  | 0.31                   | +0.05 | 119   | 0.31                            | -0.62 | 33    |
| Plentywood           | 69          | -15 | 27  | +2  | 2.98                   | +2.59 | 764   | 4.96                            | +3.85 | 447   |
| St Marie             | 71          | -15 | 27  | -2  | 0.19                   | -0.18 | 51    | 0.23                            | -0.85 | 21    |
| Scobey               | 70          | -18 | 26  | +2  | 0.30                   | -0.02 | 94    | 0.31                            | -0.66 | 32    |
| Sidney               | 71          | -11 | 29  | -2  | 1.16                   | +0.57 | 197   | 1.79                            | +0.18 | 111   |
| Wolf Point           | 73          | -15 | 29  | -2  | 0.11                   | -0.27 | 29    | 0.86                            | -0.22 | 80    |
| <b>CENTRAL</b>       |             |     |     |     |                        |       |       |                                 |       |       |
| Cascade              | 71          | -20 | 26  | -7  | 1.53                   | +1.00 | 289   | 1.91                            | +0.47 | 133   |
| Grass Range          | 76          | -16 | 30  | -3  | 1.55                   | +0.98 | 272   | 1.81                            | +0.32 | 121   |
| Great Falls          | 74          | -21 | 31  | -2  | 1.51                   | +0.96 | 275   | 1.97                            | +0.49 | 133   |
| Harlowton            | 75          | -20 | 27  | -5  | 1.24                   | +0.74 | 248   | 2.03                            | +0.76 | 160   |
| Helena               | 68          | -12 | 30  | -2  | 1.25                   | +0.79 | 272   | 1.71                            | +0.59 | 153   |
| Lewistown            | 75          | -17 | 29  | -3  | 1.80                   | +1.10 | 257   | 2.56                            | +0.80 | 145   |
| Martinsdale          | 71          | -16 | 28  | -4  | 1.65                   | +1.14 | 324   | 2.02                            | +0.74 | 158   |
| Neihart              | 68          | -4  | 29  | -4  | 3.04                   | +2.09 | 320   | 3.80                            | +1.47 | 163   |
| Rogers Pass          | 71          | -27 | 27  | -5  | 1.72                   | +1.10 | 277   | 2.14                            | +0.32 | 118   |
| Roundup              | 73          | -16 | 32  | -3  | 0.99                   | +0.67 | 309   | 1.85                            | +0.50 | 137   |
| Ryegate              | 79          | -19 | 28  | -4  | 1.20                   | +0.72 | 250   | 1.87                            | +0.62 | 150   |
| Stanford             | 78          | -17 | 28  | -6  | 1.42                   | +0.83 | 241   | 1.84                            | +0.27 | 117   |
| Townsend             | 69          | -15 | 30  | -5  | 0.85                   | +0.47 | 224   | 1.21                            | +0.23 | 123   |
| Valentine            | 77          | -18 | 28  | -2  | 0.76                   | +0.26 | 152   | 0.91                            | -0.28 | 76    |
| Wht Sulphur Spr      | 66          | -17 | 26  | -5  | 1.13                   | +0.71 | 269   | 1.47                            | +0.06 | 104   |
| <b>SOUTHWEST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Boulder              | 65          | -13 | 27  | -4  | 0.71                   | +0.17 | 131   | 1.03                            | -0.12 | 90    |
| Bozeman              | 67          | -17 | 31  | -2  | 1.49                   | +0.74 | 199   | 2.19                            | +0.08 | 104   |
| Butte                | 66          | -22 | 27  | +0  | 0.49                   | -0.07 | 88    | 1.15                            | -0.20 | 85    |
| Dillon               | 66          | -14 | 29  | -3  | 0.83                   | +0.49 | 244   | 1.33                            | +0.35 | 136   |
| Ennis                | 72          | -9  | 30  | -3  | 1.67                   | +1.10 | 293   | 2.32                            | +0.73 | 146   |
| Lakeview             | 57          | -10 | 28  | +4  | 1.88                   | +0.74 | 165   | 4.40                            | +1.82 | 171   |
| W Yellowstone        | 60          | -18 | 23  | +2  | 3.08                   | +1.29 | 172   | 4.60                            | +1.51 | 149   |
| Wisdom               | 63          | -15 | 25  | +1  | 1.18                   | +0.41 | 153   | 2.54                            | +1.03 | 168   |
| <b>SOUTH CENTRAL</b> |             |     |     |     |                        |       |       |                                 |       |       |
| Billings             | 72          | -14 | 33  | -2  | 1.43                   | +0.72 | 201   | 2.06                            | +0.09 | 105   |
| Cooke City           | 56          | -10 | 24  | +4  | 2.00                   | +0.09 | 105   | 4.26                            | +0.76 | 122   |
| Gardiner             | 67          | -17 | 30  | -3  | 1.17                   | +0.54 | 186   | 2.13                            | +0.79 | 159   |
| Hardin               | 78          | -16 | 33  | -3  | 0.25                   | -0.33 | 43    | 0.57                            | -1.30 | 30    |
| Huntley              | 77          | -14 | 32  | +0  | 1.00                   | +0.41 | 169   | 1.52                            | -0.22 | 87    |
| Hysham               | 72          | -12 | 31  | -3  | 1.19                   | +0.62 | 209   | 2.00                            | +0.24 | 114   |
| Joliet               | 72          | -26 | 29  | -4  | 1.67                   | +1.01 | 253   | 2.44                            | +0.23 | 110   |
| Livingston           | 73          | -12 | 33  | -2  | 0.91                   | +0.21 | 130   | 1.58                            | -0.32 | 83    |
| Nye                  | 71          | -25 | 30  | -6  | 1.03                   | +0.33 | 147   | 2.58                            | +0.44 | 121   |
| Rapelje              | 74          | -20 | 30  | -4  | 0.85                   | +0.20 | 131   | 1.32                            | -0.58 | 69    |
| <b>SOUTHEAST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Albion               | 76          | -11 | 32  | +3  | 0.67                   | +0.21 | 146   | 1.55                            | -0.03 | 98    |
| Baker                | 73          | -13 | 29  | -2  | 0.48                   | -0.09 | 84    | 1.00                            | -0.82 | 55    |
| Broadus              | 76          | -13 | 32  | -2  | 0.48                   | -0.09 | 84    | 0.58                            | -1.23 | 32    |
| Ekalaka              | 72          | -12 | 29  | -4  | 1.26                   | +0.51 | 168   | 1.50                            | -0.84 | 64    |
| Miles City           | 73          | -12 | 31  | -2  | 0.47                   | -0.03 | 94    | 0.92                            | -0.71 | 56    |
| Plevna               | 73          | -12 | 28  | -3  | 0.75                   | +0.18 | 132   | 1.30                            | -0.52 | 71    |

Compiled by AWIS, Inc. based on NWS data. DFN - Departure from normal 1971-2000.