



Montana Crop Progress

Issue: 14-06

Issued: Weekly: Apr-Oct
Monthly: Nov-Mar

Cooperating with the Montana Department of Agriculture

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For the Week Ending:
April 20, 2014

Livestock Report

Early spring grazing conditions are 52 percent open, below both last year's 63 percent and the 5 year average of 69 percent. Although pastures are just starting to green, the need to provide supplemental feed has begun to decline with 88 percent of cattle and 89 percent of sheep still being fed. Range and pasture conditions remain above last year and the 5 year average with 34 percent good to excellent compared to 8 percent and 28 percent respectively. Livestock birthing is ahead of last year and just behind the 5 year average with 73 percent calving completed and 57 percent lambing completed.

| Range & Livestock Table | This Week | Last Week | Last Year | 5 Yr Avg |
|--|-----------|-----------|-----------|----------|
| Livestock Birthing | | | | |
| Calving Complete | 73 | 55 | 73 | 77 |
| Lambing Complete | 57 | 38 | 54 | 60 |
| Livestock Grazing | | | | |
| Open | 52 | 45 | 63 | 69 |
| Difficult | 19 | 20 | 21 | 17 |
| Closed | 29 | 35 | 16 | 14 |
| Livestock Receiving Supplemental Feed | | | | |
| Cattle and Calves | 88 | 93 | 97 | na |
| Sheep and Lambs | 89 | 93 | 92 | na |
| Range and Pasture Feed Condition | | | | |
| Very Poor | 3 | 3 | 25 | 8 |
| Poor | 23 | 24 | 33 | 21 |
| Fair | 40 | 43 | 34 | 43 |
| Good | 32 | 28 | 8 | 26 |
| Excellent | 2 | 2 | 0 | 2 |

Field Crops Report

Days suitable for field work were 3.8 days compared to 2.0 days last year. Freezing nights and wet fields continue to delay spring seedings. Both barley and spring wheat seedings are behind last year with 10 percent of barley and 5 percent of spring wheat seeded so far this spring. Conversely, pulse crops are being seeded ahead of last year with 6 percent of dry peas and 4 percent of lentils planted. Winter wheat condition is rated 68 percent good to excellent, compared to 51 percent good to excellent from last year and the 5 year average of 59 percent good to excellent.

| Crop Progress and Condition Table | This Week | Last Week | Last Year | 5 Yr Avg |
|-----------------------------------|-----------|-----------|-----------|----------|
| Barley | | | | |
| Planted | 10 | 3 | 23 | 25 |
| Dry Peas | | | | |
| Planted | 6 | na | 4 | 17 |
| Lentils | | | | |
| Planted | 4 | na | 1 | 12 |
| Sugar Beets | | | | |
| Planted | 6 | 6 | 0 | 17 |
| Spring Wheat | | | | |
| Planted | 5 | 3 | 6 | 16 |
| Winter Wheat | | | | |
| Very Poor | 1 | 1 | 3 | 2 |
| Poor | 4 | 4 | 9 | 7 |
| Fair | 27 | 30 | 37 | 32 |
| Good | 52 | 56 | 44 | 50 |
| Excellent | 16 | 9 | 7 | 9 |

na - Not Available

Soil Report

Topsoil moisture adequate and surplus is 88 percent compared with 71 percent last year and the 5 year average of 76 percent. Subsoil moisture was 86 percent adequate and surplus compared to 53 percent last year and the 5 year average of 67 percent.

| Field Work Table | This Week | Last Week | Last Year | 5 Yr Avg |
|-------------------------------------|-----------|-----------|-----------|----------|
| Days Suitable for Field Work | | | | |
| Days | 3.8 | 3.2 | 2.0 | 3.3 |

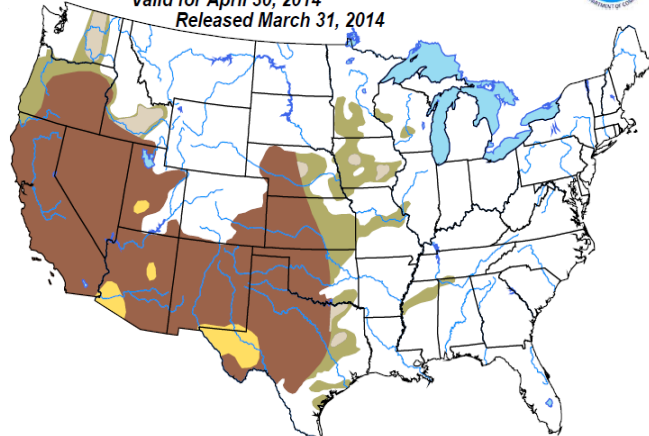


U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for April 30, 2014

Released March 31, 2014



Author: Anthony Artusa, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/mdo_summary.html

KEY:

- Drought persists or intensifies
- Drought removal likely
- Drought remains but improves
- Drought development likely

| Soil Moisture Table | This Week | Last Week | Last Year | 5 Yr Avg |
|-------------------------|-----------|-----------|-----------|----------|
| Topsoil Moisture | | | | |
| Very Short | 2 | 2 | 8 | 6 |
| Short | 10 | 9 | 21 | 18 |
| Adequate | 75 | 73 | 65 | 62 |
| Surplus | 13 | 16 | 6 | 14 |
| Subsoil Moisture | | | | |
| Very Short | 3 | 3 | 19 | 9 |
| Short | 11 | 10 | 28 | 24 |
| Adequate | 76 | 76 | 50 | 60 |
| Surplus | 10 | 11 | 3 | 7 |

Weather Information for the Week ending 04/20/14

| Station ID | | | | | | Precipitation | | | | | | | |
|----------------------|-------------|-----|-----|------|-----|---------------|-------|-----------------|-------|------|-------------------|-------|------|
| | Temperature | | | GDDs | | This Week | | April 1 to Date | | | October 1 to Date | | |
| | Hi | LOW | AVG | B50 | DFN | Total | DFN | Total | DFN | %NRM | Total | DFN | %NRM |
| NORTHWEST | | | | | | | | | | | | | |
| Alberton | 68 | 22 | 43 | 0 | +0 | 0.23 | -0.03 | 0.60 | -0.05 | 92 | 12.08 | +5.70 | 189 |
| Anaconda | 65 | 16 | 45 | 2 | +2 | 0.15 | -0.13 | 0.19 | -0.56 | 25 | 5.54 | +0.40 | 108 |
| Clinton | 67 | 19 | 46 | 4 | +4 | 0.15 | -0.07 | 0.36 | -0.25 | 59 | 8.17 | +0.07 | 101 |
| Corvallis | 70 | 20 | 46 | 0 | -4 | 0.06 | -0.15 | 0.10 | -0.49 | 17 | 6.18 | +1.34 | 128 |
| Creston | 63 | 23 | 44 | 0 | +0 | 0.22 | -0.20 | 0.40 | -0.67 | 37 | 8.20 | -1.07 | 88 |
| Deer Lodge | 64 | 14 | 40 | 0 | +0 | 0.10 | -0.05 | 0.10 | -0.25 | 29 | 2.67 | -0.11 | 96 |
| Drummond | 66 | 18 | 46 | 3 | +3 | 0.14 | -0.07 | 0.25 | -0.31 | 45 | 6.76 | +1.69 | 133 |
| Hamilton | 72 | 22 | 44 | 1 | +1 | 0.05 | -0.20 | 0.20 | -0.44 | 31 | 10.43 | +4.00 | 162 |
| Kalispell | 63 | 19 | 42 | 1 | +1 | 0.24 | -0.04 | 0.37 | -0.39 | 49 | 9.72 | +1.17 | 114 |
| Missoula | 69 | 20 | 44 | 5 | +5 | 0.13 | -0.13 | 0.26 | -0.39 | 40 | 7.28 | +0.90 | 114 |
| Olney | 58 | 14 | 38 | 0 | +0 | 0.49 | +0.17 | 0.54 | -0.30 | 64 | 11.32 | -1.32 | 90 |
| Polson | 61 | 20 | 45 | 1 | -3 | 0.20 | -0.09 | 0.20 | -0.60 | 25 | 7.35 | +0.12 | 102 |
| St Ignatius | 69 | 29 | 47 | 0 | -5 | 0.19 | -0.14 | 0.61 | -0.24 | 72 | 8.24 | +1.19 | 117 |
| Seeley Lake | 66 | 16 | 42 | 3 | +3 | 0.81 | +0.56 | 1.10 | +0.46 | 172 | 14.29 | +2.12 | 117 |
| Sula | 68 | 18 | 46 | 3 | +3 | 0.16 | -0.19 | 0.41 | -0.50 | 45 | 7.87 | +0.89 | 113 |
| Superior | 69 | 23 | 47 | 4 | -5 | 0.07 | -0.21 | 0.40 | -0.37 | 52 | 11.91 | +2.83 | 131 |
| Swan Lake | 63 | 18 | 40 | 0 | +0 | 0.34 | -0.04 | 0.54 | -0.49 | 52 | 12.36 | -5.19 | 70 |
| Thompson Falls | 67 | 25 | 46 | 4 | -10 | 0.25 | -0.10 | 0.62 | -0.36 | 53 | 14.73 | +0.27 | 102 |
| West Glacier | 61 | 22 | 43 | 0 | +0 | 0.38 | -0.04 | 0.71 | -0.43 | 62 | 18.73 | +2.02 | 112 |
| NORTH CENTRAL | | | | | | | | | | | | | |
| Chester | 63 | 14 | 41 | 0 | +0 | 0.34 | +0.20 | 0.48 | +0.08 | 120 | 4.85 | +2.07 | 174 |
| Chinook | 64 | 14 | 41 | 0 | +0 | 0.20 | -0.03 | 0.20 | -0.34 | 37 | 2.36 | -1.24 | 66 |
| Choteau | 65 | 23 | 45 | 0 | +0 | 0.03 | -0.13 | 0.25 | -0.12 | 68 | 3.25 | +1.11 | 152 |
| Cut Bank | 60 | 15 | 40 | 0 | +0 | 0.46 | +0.25 | 0.55 | +0.06 | 112 | 3.10 | +0.17 | 106 |
| Ft Assiniboine | 61 | 16 | 41 | 0 | -4 | 0.08 | -0.14 | 0.13 | -0.42 | 24 | 3.00 | -0.78 | 79 |
| Fort Benton | 68 | 15 | 44 | 3 | -17 | 0.10 | -0.18 | 0.14 | -0.57 | 20 | 4.46 | +0.10 | 102 |
| Goldbutte | 63 | 13 | 43 | 0 | +0 | 0.16 | -0.10 | 0.27 | -0.38 | 42 | 4.37 | +0.60 | 116 |
| Harlem | 64 | 15 | 41 | 0 | -2 | 0.26 | +0.10 | 0.34 | -0.04 | 89 | 4.22 | +1.38 | 149 |
| Havre | 64 | 17 | 44 | 3 | +3 | 0.06 | -0.15 | 0.11 | -0.39 | 22 | 3.92 | +0.31 | 109 |
| Malta | 63 | 12 | 44 | 2 | +2 | 0.04 | -0.17 | 0.04 | -0.44 | 8 | 2.31 | -1.12 | 67 |
| Rudyard | 66 | 15 | 41 | 0 | +0 | 0.23 | +0.08 | 0.33 | -0.02 | 94 | 4.50 | +2.32 | 206 |
| Shelby | 62 | 15 | 40 | 0 | +0 | 0.35 | +0.12 | 0.56 | -0.04 | 93 | 4.40 | +0.86 | 124 |
| Turner | 61 | 10 | 41 | 0 | +0 | 0.01 | -0.13 | 0.01 | -0.27 | 4 | 2.20 | -0.33 | 87 |
| Valier | 62 | 14 | 40 | 0 | +0 | 0.34 | +0.13 | 0.57 | +0.07 | 114 | 4.84 | +2.03 | 172 |
| NORTHEAST | | | | | | | | | | | | | |
| Bredette | 64 | 9 | 38 | 0 | +0 | 0.11 | -0.10 | 0.15 | -0.34 | 31 | 2.04 | -0.86 | 70 |
| Culbertson | 67 | 16 | 41 | 0 | -4 | 0.05 | -0.16 | 0.17 | -0.34 | 33 | 1.91 | -1.28 | 60 |
| Glasgow | 63 | 11 | 40 | 0 | +0 | 0.17 | +0.00 | 0.17 | -0.26 | 40 | 3.00 | +0.02 | 101 |
| Glendive | 64 | 23 | 44 | 1 | -3 | 0.00 | -0.28 | 0.00 | -0.69 | 0 | 3.84 | -0.05 | 99 |
| Jordan | 65 | 12 | 42 | 1 | -1 | 0.08 | -0.14 | 0.08 | -0.46 | 15 | 3.85 | +0.00 | 100 |
| Nashua | 67 | 13 | 43 | 0 | -14 | 0.24 | +0.03 | 0.24 | -0.29 | 45 | 2.39 | -0.42 | 85 |
| Opheim | 60 | 4 | 37 | 0 | +0 | 0.22 | +0.08 | 0.22 | -0.08 | 73 | 3.35 | +0.92 | 138 |
| Plentywood | 60 | 9 | 36 | 0 | +0 | 0.21 | +0.00 | 0.32 | -0.15 | 68 | 2.99 | -0.24 | 93 |
| St Marie | 61 | 10 | 40 | 0 | +0 | 0.03 | -0.14 | 0.03 | -0.40 | 7 | 1.69 | -1.29 | 57 |
| Scobey | 67 | 14 | 39 | 0 | +0 | 0.16 | -0.05 | 0.21 | -0.31 | 40 | 1.28 | -1.50 | 46 |
| Sidney | 67 | 20 | 42 | 0 | -11 | 0.07 | -0.19 | 0.20 | -0.44 | 31 | 3.49 | -0.62 | 85 |
| Wolf Point | 63 | 15 | 40 | 0 | -8 | 0.17 | -0.04 | 0.17 | -0.30 | 36 | 1.15 | -1.96 | 37 |
| CENTRAL | | | | | | | | | | | | | |
| Cascade | 65 | 19 | 46 | 3 | +3 | 0.14 | -0.13 | 0.31 | -0.35 | 47 | 4.83 | +0.66 | 116 |
| Grass Range | 65 | 15 | 44 | 0 | +0 | 0.14 | -0.17 | 0.17 | -0.66 | 20 | 5.23 | +0.14 | 103 |
| Great Falls | 64 | 24 | 44 | 4 | +4 | 0.15 | -0.17 | 0.57 | -0.27 | 68 | 6.39 | +1.16 | 122 |
| Harlowton | 65 | 15 | 41 | 0 | +0 | 0.37 | +0.06 | 0.60 | -0.19 | 76 | 9.56 | +5.42 | 231 |
| Helena | 67 | 19 | 45 | 9 | +9 | 0.00 | -0.21 | 0.04 | -0.49 | 8 | 4.28 | +0.62 | 117 |
| Lewistown | 62 | 16 | 41 | 0 | +0 | 0.10 | -0.20 | 0.35 | -0.47 | 43 | 5.76 | -0.31 | 95 |
| Martinsdale | 65 | 16 | 45 | 2 | +2 | 0.19 | -0.09 | 0.30 | -0.40 | 43 | 5.52 | +1.51 | 138 |
| Neihart | 59 | 17 | 40 | 0 | +0 | 0.51 | +0.09 | 0.74 | -0.34 | 69 | 9.77 | +2.32 | 131 |
| Rogers Pass | 65 | 16 | 41 | 0 | +0 | 0.17 | -0.19 | 0.39 | -0.50 | 44 | 4.75 | -1.32 | 78 |
| Roundup | 69 | 19 | 47 | 5 | -3 | 0.11 | -0.19 | 0.21 | -0.53 | 28 | 5.66 | +1.66 | 142 |
| Ryegate | 65 | 15 | 41 | 0 | +0 | 0.29 | +0.01 | 0.39 | -0.28 | 58 | 5.98 | +2.14 | 156 |
| Stanford | 62 | 18 | 42 | 1 | +1 | 0.25 | -0.10 | 0.53 | -0.37 | 59 | 8.51 | +3.17 | 159 |
| Townsend | 70 | 12 | 46 | 10 | +6 | 0.07 | -0.07 | 0.07 | -0.33 | 17 | 2.92 | +0.05 | 102 |
| Valentine | 66 | 12 | 40 | 0 | +0 | 0.00 | -0.25 | 0.00 | -0.60 | 0 | 3.67 | -0.33 | 92 |
| Wht Sulphur Spr | 61 | 13 | 41 | 0 | +0 | 0.00 | -0.28 | 0.50 | -0.19 | 72 | 3.34 | -0.94 | 78 |
| SOUTHWEST | | | | | | | | | | | | | |
| Boulder | 64 | 15 | 42 | 0 | +0 | 0.07 | -0.08 | 0.07 | -0.34 | 17 | 3.60 | +0.37 | 111 |
| Bozeman | 64 | 16 | 43 | 1 | +1 | 0.58 | +0.09 | 1.02 | -0.25 | 80 | 9.73 | +2.02 | 126 |
| Butte | 61 | 13 | 39 | 0 | +0 | 0.21 | +0.00 | 0.22 | -0.38 | 37 | 3.86 | -0.49 | 89 |
| Dillon | 66 | 13 | 43 | 5 | +5 | 0.03 | -0.18 | 0.04 | -0.50 | 7 | 1.09 | -1.67 | 39 |
| Ennis | 67 | 22 | 42 | 3 | +3 | 0.15 | -0.14 | 0.43 | -0.36 | 54 | 3.80 | -0.88 | 81 |
| Lakeview | 62 | 11 | 42 | 0 | +0 | 0.21 | -0.14 | 0.43 | -0.57 | 43 | 4.28 | -4.06 | 51 |
| W Yellowstone | 55 | 1 | 30 | 0 | +0 | 0.67 | +0.32 | 0.91 | -0.09 | 91 | 14.67 | +2.51 | 121 |
| Wisdom | 67 | 10 | 40 | 2 | +2 | 0.15 | -0.06 | 0.21 | -0.37 | 36 | 5.29 | +0.66 | 114 |
| SOUTH CENTRAL | | | | | | | | | | | | | |
| Billings | 66 | 10 | 46 | 10 | +2 | 0.19 | -0.23 | 0.27 | -0.80 | 25 | 9.74 | +3.48 | 156 |
| Cooke City | 61 | 0 | 41 | 0 | +0 | 0.35 | -0.07 | 0.80 | -0.35 | 70 | 7.82 | -5.29 | 60 |
| Gardiner | 65 | 17 | 43 | 2 | +2 | 0.11 | -0.03 | 0.51 | +0.20 | 165 | 4.46 | +0.98 | 128 |
| Hardin | 67 | 22 | 48 | 8 | -11 | 0.29 | -0.05 | 0.81 | -0.02 | 98 | 8.95 | +4.13 | 186 |
| Huntley | 67 | 21 | 44 | 1 | -3 | 0.07 | -0.31 | 0.07 | -0.90 | 7 | 8.85 | +3.51 | 166 |
| Hysham | 68 | 21 | 47 | 4 | -8 | 0.16 | -0.14 | 0.16 | -0.58 | 22 | 8.29 | +3.64 | 178 |
| Joliet | 67 | 21 | 42 | 0 | +0 | 0.00 | -0.46 | 0.45 | -0.73 | 38 | 8.61 | +1.90 | 128 |
| Livingston | 67 | 16 | 46 | 10 | +10 | 0.55 | +0.18 | 0.69 | -0.23 | 75 | 6.88 | +1.49 | 128 |
| Nye | 63 | 14 | 45 | 5 | +5 | 0.07 | -0.42 | 0.67 | -0.57 | 54 | 12.00 | +5.49 | 184 |
| Rapelje | 66 | 21 | 44 | 1 | +1 | 0.33 | -0.06 | 0.38 | -0.60 | 39 | 6.31 | +0.65 | 111 |
| SOUTHEAST | | | | | | | | | | | | | |
| Albion | 72 | 19 | 40 | 1 | +1 | 0.12 | -0.26 | 0.54 | -0.37 | 59 | 8.22 | +4.27 | 208 |
| Baker | 73 | 20 | 40 | 4 | +4 | 0.00 | -0.33 | 0.00 | -0.83 | 0 | 4.01 | -0.84 | 83 |
| Broadus | 72 | 22 | 46 | 5 | -2 | 0.00 | -0.37 | 0.00 | -0.95 | 0 | 6.10 | +1.05 | 121 |
| Ekalaka | 68 | 17 | 43 | 2 | +2 | 0.00 | -0.46 | 0.01 | -1.14 | 1 | 8.13 | +2.12 | 135 |
| Miles City | 67 | 19 | 44 | 7 | -5 | 0.08 | -0.27 | 0.12 | -0.72 | 14 | 3.61 | -0.75 | 83 |
| Plevna | 71 | 20 | 43 | 2 | +2 | 0.00 | -0.33 | 0.03 | -0.80 | 4 | 4.94 | +0.09 | 102 |

Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1971-2000. GDD-Growing degree days