

**2014 February Weather Summary**  
**Central Agricultural Research Center**  
**Moccasin, Montana**  
**By Benri J. S. Deanon**

<b>FACTOR</b>	<b>Record</b>	<b>2014</b>	<b>2013</b>	<b>Ave</b>
<b>Precipitation (inches)</b>				
<b>Total</b>		0.37	0.26	0.45 <sup>1/</sup>
Crop Year	<b>(Sept-Feb.)</b>	7.56	2.49	4.42
Annual	<b>(Jan-Feb.)</b>	1.51	0.48	1.00
Record High	<b>(1914)</b>	1.35		
Record Low	<b>(1921)</b>	0.00		
Snowfall		10.0	6.0	7.4 <sup>2/</sup>
Snowfall Crop Year	<b>(Sept-Feb.)</b>	52.3	33.3	40.2
Record Snowfall	<b>(1978)</b>	18.5		
<b>Temperature (° F)</b>				
<b>Low</b>	<b>(Feb.6)</b>	-31.0	2	
<b>High</b>	<b>(Feb.18 &amp;28)</b>	47.0	52	
Average		14.5	28.3	24.6 <sup>3/</sup>
Average Maximum		25.9	39	36.0
Average Minimum		3.1	17	13.2
Record Mean High	<b>(1991)</b>	38.2		
Record Mean Low	<b>(1936)</b>	-3.0		
Record Low	<b>(Feb.16,1936)</b>	-48.0		
<b>Wind</b>				
Average speed mph		7	6	
Days w/gust >30mph		11d	6d	
Total miles		4677	4117	

Snowy windy conditions continued through February. Crop year snowfall is 130% of average and crop year precipitation 150% of average. Annual snowfall and precipitation remained above average, also. However, February snowfall and precipitation were below average. There were 13 days with temperatures below zero. The lowest temperature, -31° F, was recorded February 6th. A wind gust of 56 mph was observed on February 12<sup>th</sup> and 11 days had wind gust exceeding 30 mph.

<sup>1/</sup> 105 years of precipitation

<sup>2/</sup> 53 years of snowfall records

<sup>3/</sup> 103 years of temperature records

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Date	Air temp			Water Max	temp		Evap (inch)	Wind (mph)	Precip (inch)	Snow Fall	Snow Accum	GDU
	Max	Min	Mean		Min	Mean						
1		21	-5		8.0			7.5				
2		21	-4		8.5			4.0				
3		22	-4		9.0			4.3	0.01	1		
4		7	-14		-3.5			5.2	0.08	1	1.0	
5		-8	-30		-19.0			4.0	0.03			
6		-11	-31		-21.0			3.9				
7		9	-27		-9.0			4.3				
8		17	-13		2.0			5.6	0.01	1		
9		4	-6		-1.0			8.1	Trace	0.5		
10		18	-2		8.0			6.0				
11		40	15		27.5			5.6				
12		40	11		25.5			8.0	Trace			
13		42	27		34.5			10.6				
14		44	24		34.0			8.7				
15		40	24		32.0			7.7				
16		50	27		38.5			10.2				
17		41	28		34.5			10.0	Trace	Trace		
18		47	26		36.5			8.8				
19		42	30		36.0			9.5				
20		35	18		26.5			11.6				
21		34	20		27.0			5.8				
22		29	0		14.5			10.3	Trace	0.5		
23		21	0		10.5			4.8	0.01	2		
24		12	-3		4.5			7.0	0.20	4	6.0	
25		9	-16		-3.5			4.5				
26		13	-13		0.0			4.8				
27		40	6		23.0			3.8				
28		47	0		23.5			10.4	0.03	Trace	Trace	
Mean		25.9	3.1		14.5			7.0				
TOTAL									0.37	10.0	7.0	