

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

FACTOR	Record	2014	2013	Ave
Precipitation (inches)				
Total		1.11	0.22	0.55 ^{1/}
Crop Year	(Sept-Jan)	7.19	2.25	3.97
Annual	(Jan-Dec)			0.55
Record- High	(1918)	2.34		
Record- Low	(1987)	0.02		
Snowfall		22.3	9.0	11.3 ^{2/}
Snowfall Crop Year	(Sept-Jan)	42.3	27.5	33.0
Record Snowfall	(Jan.1978)	47.5		
Temperature (° F)				
Low	(Jan.5)	-15	-4	
High	(Jan.20)	56	51	
Average		28.0	24.8	21.6 ^{3/}
Average Maximum		40.4	38	33.4
Average Minimum		15.6	16	9.9
Record Mean High	(1981)	47.0		
Record Mean Low	(1950)	-16.0		
Record Low	(Jan.27,1929)	-42.0		
Wind				
Average speed mph		7	6	
Days w/gust >30mph		13d	12d	
Total miles		5046	4601	

January continued to be wet and windy at Moccasin. Total and crop year precipitation were above the long term average with 202% and 181%, respectively. Snow fall was above the average by 197%. Mean temperatures were 7° F above the average and there were 6 days below zero (January 5th-6th, 27th-29th, and 31th). The lowest temperature was on January 5th with 15° F below zero. January had 13 days with wind gusts exceeding 30 mph. The highest with wind gust of, 58 mph, was observed on January 15th.

^{1/} 104 years of precipitation

^{2/} 52 years of snowfall records

^{3/} 102 years of temperature records

Monthly Weather Report~Central Agricultural Research Center~ Moccasin, MT January 2014

Date	Air temp			Water Max	temp			Evap (inch)	Wind (mph)	Precip (inch)	Snow Fall	Snow Accum	GDU
	Max	Min	Mean		Min	Mean							
1	43	22	32.5					5.1	0.28	4.00	4.0		
2	35	15	25.0					3.8					
3	49	28	38.5					9.0					
4	42	8	25.0					10.8	0.02	1.00	1.0		
5	10	-15	-2.5					12.1	0.03	0.75	2.5		
6	20	-14	3.0					5.1			3.0		
7	44	18	31.0					3.9					
8	39	18	28.5					2.8					
9	46	29	37.5					8.3					
10	42	24	33.0					7.9					
11	44	24	34.0					7.4					
12	51	29	40.0					12.7	0.03				
13	42	26	34.0					12.8					
14	48	22	35.0					10.4	0.16	6.00	6.0		
15	50	25	37.5					6.6					
16	48	23	35.5					9.0					
17	44	21	32.5					3.7					
18	47	28	37.5					6.3					
19	51	32	41.5					6.3					
20	56	22	39.0					6.3					
21	44	23	33.5					4.3					
22	43	25	34.0					3.2	0.09	0.50	0.5		
23	31	3	17.0					3.5	0.02				
24	48	14	31.0					4.5					
25	51	30	40.5					6.2					
26	55	19	37.0					10.3	0.07	1.00	1.0		
27	20	-4	8.0					7.1	T	1.00	2.0		
28	18	-3	7.5					4.1					
29	43	-3	20.0					4.3					
30	38	3	20.5					8.8	0.41	9.00	9.0		
31	9	-9	0.0					3.5	T	1.00			
Mean	40.4	15.6	28.0					6.8					
TOTAL									1.11	24.3	29		