

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

FACTOR	Record	2014	2013	Ave
Precipitation (inches)				
Total		1.12	0.10	0.71 ^{1/}
Crop Year	(Sept-March)	6.05	2.46	5.13
Annual	(Jan-March)	2.63	0.58	1.71
Record High	(1915)	2.69		
Record Low	(1956)	0.07		
Snowfall		17.3	3.2	10.3 ^{2/}
Snowfall Crop Year	(Sept-Mar.)	71.6	36.7	50.8
Record Snowfall	(1987)	30.0		
Temperature (° F)				
Low	(March 2)	-19	2	
High	(March 10)	63	63	
Average		27.9	32	30.5 ^{3/}
Average Maximum		39.4	46	41.7
Average Minimum		16.4	20	19.3
Record Mean High	(1986)	42.0		
Record Mean Low	(1912)	16.0		
Record Low	(Mar. 7,1932)	-29.0		
Wind				
Average speed mph		7	7	
Days w/gust >30mph		12d	9d	
Total miles		5023	4787	

March was wet and windy in Moccasin. March precipitation was 158% of average. Annual and crop year precipitation were also above average at 153% and 118%, respectively. Snow fall was also above the average at 168% for the annual and 141% for the crop year. Mean temperatures were colder than the average and the lowest temperature was -19°F on March 2nd. March average minimum temperature of 16°F was similar to 1912 (record minimum low). There were 12 days with wind gust exceeding 30 mph and the highest was 39 mph on March 20th.

^{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 March 2014

Date	Air temp			Water Max	temp		Evap (inch)	Wind (mph)	Precip (inch)	Snow Fall	Snow Accum	GDU
	Max	Min	Mean		Min	Mean						
1	1	-16	-7.5				9.3	0.08	3	3.0		
2	-12	-19	-15.5				12.8	Trace	Trace			
3	25	-12	6.5				8.5	Trace	Trace			
4	48	12	30.0				4.3					
5	46	32	39.0				5.6					
6	49	29	39.0				7.4	0.02	Trace			
7	47	10	28.5				5.9					
8	45	22	33.5				5.3					
9	55	38	46.5				9.0					
10	63	33	48.0				4.4	0.05	Trace			
11	38	12	25.0				2.7	0.73	6	6.0		
12	42	19	30.5				4.9					
13	48	28	38.0				5.5					
14	44	27	35.5				6.6					
15	50	32	41.0				5.3					
16	50	40	45.0				10.3					
17	60	17	38.5				5.5					
18	41	1	21.0				9.0	0.06	3	3.0		
19	37	3	20.0				5.2					
20	45	26	35.5				4.5					
21	39	13	26.0				11.7	Trace	Trace			
22	20	7	13.5				6.1	Trace	0.75	0.75		
23	27	8	17.5				8.8	Trace	0.5	1.25		
24	26	8	17.0				5.8	0.05	2	3.25		
25	23	10	16.5				7.6					
26	46	21	33.5				6.1					
27	42	24	33.0				4.5					
28	38	18	28.0				7.0	0.04	1	1.0		
29	44	19	31.5				5.6					
30	50	26	38.0				6.0					
31	44	21	32.5				8.0	0.09	1	1.0		
Mean	39.4	16.4	27.9									
TOTAL							6.8	1.12	17.3	19.3		