

April 2017 ~ Central Agricultural Research Center ~ Moccasin, MT

Date	Air temp			Water temp			Evap (inch)	Wind (mph)	Precip (inch)	Snow Fall	Wheat GDU	Temp Obs. (°F)	High Gust
	Max	Min	Mean	Max	Min	Mean							
1	46	29	37.5	35	34.9	34.9	0	6.2			7.0	37	25.21
2	63	36	49.5	34.9	40.3	37.6	0.19	6.2			17.5	41	29.59
3	54	23	38.5	52.3	33.8	43.1	0.15	6.1			11.0	29	37.26
4	42	20	31.0	45	31.5	38.3	Ice	10.1	0.28	3.5	5.0	24	31.13
5	46	23	34.5	49.3	31.8	40.6	0.16	3.1			7.0	36	20.39
6	59	35	47.0	59	36	47.5	0.16	4.8			15.0	41	24.55
7	69	32	50.5	59	38.8	48.9	0.17	6.1			18.5	41	48.22
8	70	33	51.5	61.5	38.1	49.8	0.17	8.0	T		19.5	36	30.03
9	60	30	45.0	61.5	32	46.8	0.08	4.4	0.35	0.5	14.0	30	40.55
10	33	14	23.5	61.5	31.8	46.7	Ice	7.2	0.32	3	0.5	27	29.81
11	42	24	33.0	43.2	33.1	38.2	0	8.0			5.0	32	25.21
12	49	33	41.0	54.9	35.6	45.3	0.15	7.3	0.02		9.0	34	24.99
13	56	34	45.0	57.4	37	47.2	0.18	10.4			13.0	49	42.31
14	73	35	54.0	68.5	37.4	53.0	0.23	13.3	0.05		22.0	36	32.22
15	55	32	43.5	59.2	37.4	48.3	0.08	5.4			11.5	36	33.1
16	52	19	35.5	52.5	33.1	42.8	0.33	7.5			10.0	35	30.25
17	52	27	39.5	59	33.8	46.4	0.26	10.6			10.0	39	34.2
18	55	34	44.5	53.6	35.4	44.5	0.12	5.8	0.02		12.5	40	35.51
19	63	35	49.0	68	38.5	53.3	0.17	4.3	0.02		17.0	38	32.88
20	60	29	44.5	63	36.3	49.7	0.28	6.8			14.0	36	29.81
21	65	35	50.0	64.4	37.4	50.9	0.3	10.8	0.14		18.0	35	35.29
22	48	34	41.0	49.5	37.4	43.5	0.17	9.7	0.05		9.00	39	26.96
23	61	37	49.0	62.2	37.6	49.9	0.2	9.3			17.00	44	21.92
24	55	34	44.5	57.6	39.2	48.4	0.10	4.3	0.22		12.50	40	18.41
25	52	31	41.5	58.5	38.5	48.5	0.09	4.7	0.08		10.0	32	20.82
26	48	27	37.5	54	36.5	45.3	0.08	6.2	0.25		8.0	33	21.7
27	49	33	41.0	54.7	38.1	46.4	0.05	4.6	0.05		9.0	37	31.13
28	49	33	41.0	51.3	36.7	44.0	0.09	8.5	0.05		9.0	38	19.07
29	47	27	37.0	51.6	35.6	43.6	0.05	4.0	0.15		7.5	32	20.6
30	58	31	44.5	58.5	33.8	46.2	0.16	4.8	0.02		13.0	44	41.21
Mean	54.4	30.0	42.2	59.8	37.4	47.0	0.1	7.0	0.1	2.3		36.4	29.8
TOTAL							4.17	208.6	2.07	7	352		

For Wheat GDU: When minimum temperature drops below 32°F, 32 is used in the equation. Wheat GDU may be inflated.

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Date	4 inch Sod			4inch Bare			8 inch Bare			20 inch Bare
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Mean
1	48	46	47.0	48	41	44.5	47	45	46.0	41
2	49	45	47.0	51	40	45.5	46	44	45.0	42
3	48	47	47.5	50	42	46.0	46	45	45.5	41
4	47	46	46.5	45	40	42.5	46	43	44.5	41
5	46	45	45.5	40	38	39.0	43	41	42.0	41
6	45	43	44.0	38	37	37.5	41	40	40.5	41
7	45	42	43.5	47	37	42.0	42	38	40.0	40
8	48	45	46.5	50	40	45.0	45	42	43.5	40
9	49	47	48.0	53	41	47.0	46	39	42.5	41
10	47	44	45.5	41	38	39.5	45	40	42.5	41
11	44	43	43.5	38	37	37.5	42	39	40.5	41
12	43	42	42.5	38	37	37.5	40	38	39.0	40
13	43	41	42.0	39	36	37.5	38	37	37.5	39
14	48	43	45.5	53	39	46.0	45	38	41.5	40
15	49	46	47.5	53	42	47.5	47	45	46.0	40
16	48	44	46.0	49	39	44.0	46	44	45.0	41
17	46	44	45.0	52	37	44.5	46	42	44.0	41
18	46	45	45.5	50	42	46.0	44	46	45.0	41
19	51	46	48.5	58	42	50.0	49	44	46.5	42
20	50	48	49.0	56	44	50.0	50	47	48.5	42
21	50	47	48.5	57	43	50.0	50	46	48.0	43
22	50	48	49.0	49	44	46.5	50	46	48.0	44
23	51	48	49.5	57	43	50.0	50	47	48.5	44
24	51	44	47.5	54	45	49.5	49	48	48.5	44
25	51	48	49.5	54	49	51.5	49	47	48.0	44
26	50	48	49.0	53	42	47.5	48	47	47.5	44
27	49	47	48.0	52	42	47.0	47	46	46.5	44
28	49	49	49.0	48	43	45.5	47	46	46.5	44
29	48	48	48.0	50	41	45.5	47	45	46.0	44
30	50	47	48.5	53	41	47.0	48	46	47.0	44
Mean	48.0	45.5	46.8	49.2	40.7	45.0	46.0	43.4	44.7	41.8