

June 2017 ~ Central Agricultural Research Center ~ Moccasin, MT

Date	Air temp			Water temp			Evap (inch)	Wind (mph)	Precip (inch)	Wheat GDU	Temp Obs. (°F)	High Gust	
	Max	Min	Mean	Max	Min	Mean							
1	83	49	66.0	80	52.5	66.5	0.41	9.0	0.16	34.0	62	31.56	
2	80	48	64.0	83.5	53.6	68.6	0.26	3.5	0.05	32.0	59	29.15	
3	74	40	57.0	78.8	45.9	62.4	0.17	5.6		25.0	58	28.28	
4	81	52	66.5	79.2	48.6	63.9	0.66	7.8		34.5	61	23.89	
5	87	51	69.0	81.9	54.3	68.1	0.23	6.0	0.17	37.0	55	32	
6	65	39	52.0	72.9	46.9	59.9	0.39	8.8		20.0	53	23.67	
7	73	44	58.5	79.3	49.5	64.4	0.37	7.1		26.5	62	24.55	
8	83	55	69.0	81.3	53.1	67.2	0.5	8.8		37.0	59	30.03	
9	89	48	68.5	84.2	54	69.1	0.5	9.8		36.5	62	47.87	
10	69	43	56.0	66.2	45.5	55.9	0.13	4.2	0.05	24.0	51	27.4	
11	66	33	49.5	71.1	40.1	55.6	0.17	3.6	0.02	17.5	44	20.17	
12	68	39	53.5	79.5	40.5	60.0	0.31	3.6		21.5	49	33.76	
13	78	42	60.0	77	46.9	62.0	0.41	7.1	1.21	28.0	47	34.41	
14	64	47	55.5	75.2	50	62.6	0.28	8.5	0.02	23.5	51	27.84	
15	69	45	57.0	72.9	47.5	60.2	0.41	6.5		25.0	56	24.99	
16	70	51	60.5	68.5	48.2	58.4	0.28	4.6		28.5	61	33.54	
17	71	45	58.0	73	48.4	60.7	0.38	6.9		26.0	53	30.03	
18	66	44	55.0	69.8	49.1	59.5	0.29	6.9		23.0	51	32.44	
19	70	44	57.0	73.4	48.2	60.8	0.43	7.4		25.0	56	18.41	
20	74	53	63.5	79.9	49.5	64.7	0.31	5.3		31.5	64	17.76	
21	79	50	64.5	79.2	53.6	66.4	0.29	4.7		32.5	52	32.44	
22	80	41	60.5	86	45.5	65.8	0.43	5.8		28.50	56	36.61	
23	65	33	49.0	66.2	41	53.6	0.31	8.0		17.00	51	22.8	
24	61	47	54.0	72.3	42.8	57.6	0.29	5.0		22.00	58	17.54	
25	72	38	55.0	78.8	49.6	64.2	0.32	3.6		23.0	60	13.59	
26	78	51	64.5	84.2	51.8	68.0	0.42	5.3		32.5	65	34.41	
27	90	59	74.5	80.1	54	67.1	0.56	10.2		42.5	65	31.13	
28	77	52	64.5	74.5	53.1	63.8	0.2	5.7		32.5	65	29.81	
29	77	48	62.5	78.1	49.6	63.9	0.43	6.8		30.5	50	30.69	
30	67	42	54.5	69.8	47.5	58.7	0.27	7.0		22.5	54	21.7	
Mean	74.2	45.8	60.0	59.8	37.4	47.0	0.3	6.4	0.2	28.0	56.3	28.1	
TOTAL								10.41	192.7	1.68	839.5		

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	66	64	65.0	80	60	70.0	69	64	66.5	55
2	68	63	65.5	78	59	68.5	67	63	65.0	55
3	68	64	66.0	77	58	67.5	67	63	65.0	56
4	66	62	64.0	77	57	67.0	68	62	65.0	56
5	67	64	65.5	77	61	69.0	67	64	65.5	56
6	67	63	65.0	74	56	65.0	65	62	63.5	56
7	68	61	64.5	79	55	67.0	68	61	64.5	56
8	70	64	67.0	82	60	71.0	70	63	66.5	57
9	70	67	68.5	84	65	74.5	73	67	70.0	57
10	68	64	66.0	71	56	63.5	68	63	65.5	58
11	66	62	64.0	70	52	61.0	68	60	64.0	58
12	66	61	63.5	76	51	63.5	65	58	61.5	57
13	67	62	64.5	78	57	67.5	67	62	64.5	57
14	67	62	64.5	71	57	64.0	64	62	63.0	57
15	66	63	64.5	72	56	64.0	65	60	62.5	57
16	64	62	63.0	69	56	62.5	64	61	62.5	57
17	65	63	64.0	72	59	65.5	65	62	63.5	57
18	65	62	63.5	71	59	65.0	65	62	63.5	57
19	67	62	64.5	73	59	66.0	65	62	63.5	57
20	69	64	66.5	76	59	67.5	67	62	64.5	57
21	70	65	67.5	76	64	70.0	69	65	67.0	58
22	73	67	70.0	82	62	72.0	71	66	68.5	59
23	69	64	66.5	73	57	65.0	67	64	65.5	59
24	68	65	66.5	75	56	65.5	67	62	64.5	59
25	71	62	66.5	78	61	69.5	69	64	66.5	59
26	74	67	70.5	83	60	71.5	72	65	68.5	59
27	72	68	70.0	80	65	72.5	71	68	69.5	60
28	71	69	70.0	76	64	70.0	70	69	69.5	60
29	73	67	70.0	79	63	71.0	71	67	69.0	60
30	71	67	69.0	75	60	67.5	69	66	67.5	60
Mean	68.4	64.0	66.2	76.1	58.8	67.5	67.8	63.3	65.5	57.5