

Summary of Monthly Normals
1981-2010

Generated on 04/19/2024

Current Location: Elev: 2624 ft. Lat: 46.4266° N Lon: 105.8825° W
Station: MILES CITY AIRPORT, MT US USW00024037

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	30.0	8.9	19.5	7.7	8.0	7.7	0	0	0	0	0	0	1102	1164	1257	1412	0.0	0.0	1.5	14.8	30.4	8.4
02	35.5	13.2	24.4	8.4	8.0	8.1	-7777	0	0	0	0	0	858	914	998	1138	0.0	0.0	4.6	9.9	27.1	5.7
03	46.5	22.8	34.7	6.8	5.0	5.8	2	1	-7777	-7777	0	0	633	694	786	941	0.0	0.0	13.2	4.7	26.4	1.8
04	58.8	33.2	46.0	3.9	2.6	3.1	25	16	7	1	-7777	-7777	295	346	427	571	0.0	0.0	22.7	0.6	13.1	0.0
05	68.6	43.1	55.9	4.2	2.1	2.9	122	90	55	19	4	2	95	126	183	303	0.0	0.6	29.5	0.0	2.6	0.0
06	78.6	52.6	65.6	4.3	2.9	3.4	328	274	202	107	46	31	10	16	34	89	0.4	4.3	29.9	0.0	0.0	0.0
07	88.3	59.5	73.9	4.7	3.0	3.7	586	524	433	288	162	121	-7777	1	2	12	2.9	14.1	31.0	0.0	0.0	0.0
08	87.2	58.0	72.6	4.1	3.0	3.5	547	486	397	257	141	104	1	3	6	22	1.7	13.0	31.0	0.0	0.0	0.0
09	74.2	46.1	60.1	4.9	3.2	3.9	209	169	117	56	22	13	55	74	113	202	0.1	3.5	29.0	0.0	1.2	0.0
10	59.2	33.8	46.5	3.5	2.7	2.9	29	19	9	2	-7777	-7777	292	344	427	575	0.0	0.2	23.8	0.7	11.7	0.1
11	43.2	20.9	32.0	7.5	5.6	6.4	1	-7777	-7777	0	0	0	689	749	839	988	0.0	0.0	10.4	6.1	26.1	1.8
12	30.9	9.7	20.3	8.4	7.1	7.7	0	0	0	0	0	0	1075	1137	1230	1385	0.0	0.0	1.8	13.7	30.6	6.8
Summary	58.4	33.5	46.0	5.7	4.4	4.9	1849	1579	1220	730	375	271	5105	5568	6302	7638	5.1	35.7	228.4	50.5	169.2	24.6

-7777: a non-zero value that would round to zero
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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	0.32	5.4	0.9	-7777	0.0	0.05	0.23	0.49	
02	0.23	4.6	0.5	-7777	0.0	0.07	0.17	0.31	
03	0.60	6.7	1.7	0.2	-7777	0.28	0.45	0.97	
04	1.37	7.7	3.4	0.7	0.2	0.62	1.22	1.98	
05	2.18	10.9	5.7	1.2	0.2	1.16	1.57	2.97	
06	2.51	10.9	6.0	1.5	0.4	1.49	2.26	2.96	
07	1.64	8.0	4.0	0.9	0.3	0.56	1.10	2.27	
08	0.91	6.1	2.4	0.4	0.1	0.39	0.64	1.62	
09	1.08	6.5	2.8	0.6	0.1	0.38	0.87	1.45	
10	0.92	6.5	2.5	0.5	0.0	0.45	0.86	1.39	
11	0.39	5.4	1.4	0.0	0.0	0.13	0.39	0.59	
12	0.29	4.9	0.7	0.0	0.0	0.08	0.23	0.48	
Summary	12.44	83.6	32.0	6.0	1.3	5.66	9.99	17.48	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	5.8	5.0	2.1	0.5	0.2	0.0	19.0	12.9	8.1	1.4	1.1	4.2	9.5
02	3.7	4.0	1.5	0.2	0.1	0.0	12.0	8.6	5.7	1.0	0.9	1.9	5.3
03	4.3	4.0	1.9	0.3	0.1	0.0	7.8	4.4	2.7	0.8	0.9	3.0	5.6
04	4.1	1.7	1.1	0.5	0.3	0.1	2.2	1.6	1.2	0.4	0.0	2.1	6.7
05	1.4	0.6	0.5	0.2	0.1	0.0	0.4	0.2	0.1	0.1	0.0	0.0	1.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.3	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
10	1.0	0.7	0.5	0.1	0.0	0.0	0.7	0.2	0.0	0.0	0.0	0.0	1.2
11	4.5	3.7	1.8	0.3	0.1	0.0	7.3	3.3	2.0	0.6	1.2	2.1	4.6
12	4.4	5.1	2.0	0.3	0.0	0.0	15.2	8.2	5.6	0.5	0.5	3.2	6.3
Summary	29.5	25.1	11.6	2.4	0.9	0.1	64.8	39.5	25.4	4.8	4.6	16.5	40.2

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	3	10	64	226	495	768	1050	1010	607	249	46	2
45	-7777	2	25	131	352	618	895	855	464	146	18	-7777
50	-7777	-7777	8	65	222	470	741	701	328	71	6	-7777
55	0	-7777	2	25	122	328	586	547	209	29	1	0
60	0	0	-7777	7	55	202	433	397	117	9	-7777	0
Growing Degree Units for Corn (Monthly)												
50/86	4	14	61	160	300	471	666	638	374	170	41	4

Growing Degree Units (Accumulated Monthly)												
40	3	13	77	303	798	1566	2616	3626	4233	4482	4528	4530
45	0	2	27	158	510	1128	2023	2878	3342	3488	3506	3506
50	0	0	8	73	295	765	1506	2207	2535	2606	2612	2612
55	0	0	2	27	149	477	1063	1610	1819	1848	1849	1849
60	0	0	0	7	62	264	697	1094	1211	1220	1220	1220
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	18	79	239	539	1010	1676	2314	2688	2858	2899	2903

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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