## Summary of Monthly Normals 1981-2010

Generated on 02/28/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

National Environmental Satellite, Data, and Information Service Current Location: Elev: 730 ft. Lat: 47.9711° N Lon: -89.6908° W

Station: GRAND PORTAGE RANGER STATION, MN US USC00213296

Temperature (°F)

	Temperature (°F)																					
	Mean							Cooling Degree Days					Heating Degree Days			Maan Number of Davis						
wean						Base (above)					Base (above)				Mean Number of Days							
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	20.6	-1.1	9.8	5.1	6.7	5.7	0	0	0	0	0	0	1403	1465	1558	1713	0.0	0.0	0.0	26.3	31.0	15.9
02	25.4	1.7	13.5	5.4	7.4	6.3	0	0	0	0	0	0	1161	1217	1301	1441	0.0	0.0	0.2	20.7	27.7	12.5
03	34.9	12.5	23.7	3.9	4.9	4.3	-7777	-7777	0	0	0	0	970	1032	1125	1280	0.0	0.0	2.0	11.4	30.0	5.8
04	47.1	25.9	36.5	3.9	3.0	3.2	1	-7777	-7777	-7777	0	0	556	615	705	855	0.0	0.0	10.2	1.1	25.2	-7777
05	58.7	36.2	47.4	3.0	2.6	2.7	19	11	4	-7777	0	0	253	308	393	544	0.0	0.0	26.0	-7777	9.7	0.0
06	67.8	45.1	56.5	2.9	2.3	2.4	98	64	30	7	1	1	54	81	136	263	0.0	-7777	29.5	0.0	0.2	0.0
07	74.1	51.1	62.6	2.9	2.5	2.6	240	185	113	36	6	2	4	11	32	111	0.0	0.4	31.0	0.0	0.0	0.0
08	73.5	51.2	62.3	2.8	2.4	2.4	234	180	110	35	7	4	6	14	38	117	0.0	0.3	31.0	0.0	0.0	0.0
09	64.4	43.1	53.7	2.7	2.5	2.4	63	40	18	3	-7777	-7777	101	138	206	341	0.0	0.0	29.3	0.0	1.9	0.0
10	51.7	32.5	42.1	2.7	2.6	2.5	3	1	-7777	0	0	0	403	463	555	710	0.0	0.0	17.4	0.1	16.7	0.0
11	37.7	21.0	29.4	4.2	4.6	4.3	0	0	0	0	0	0	770	830	920	1070	0.0	0.0	2.9	7.9	26.7	0.9
12	24.7	6.6	15.6	5.3	7.4	6.2	0	0	0	0	0	0	1220	1282	1375	1530	0.0	0.0	0.0	21.3	30.6	10.1
Summary	48.4	27.2	37.8	3.7	4.1	3.8	658	481	275	81	14	7	6901	7456	8344	9975	0.0	0.7	179.5	88.8	199.7	45.2

<sup>-7777:</sup> a non-zero value that would round to zero

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

National Oceanic & Atmospheric Administration

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Precipitation (in.)													
	Totals		Mean Num	ber of Days	Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount								
	Means		Daily Pre	cipitation	Monthly Precipitation vs. Probability Levels								
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75					
01	1.43												
02	0.87												
03	1.53												
04	2.56												
05	3.06												
06	3.53												
07	3.61												
08	3.50												
09	3.49												
10	3.40												
11	2.45												
12	1.75												
Summary	31.18	0.0	0.0	0.0	0.0	0.00	0.00	0.00					

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	Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
40	0	-7777	5	45	244	494	700	692	413	124	11	-7777	
45	0	-7777	1	15	131	346	546	538	272	54	2	0	
50	0	0	-7777	4	56	209	391	383	151	16	-7777	0	
55	0	0	-7777	1	19	98	240	234	63	3	0	0	
60	0	0	0	-7777	4	30	113	110	18	-7777	0	0	
					Growing De	gree Units for Co	orn (Monthly)						
50/86	-7777	-7777	4	37	146	277	412	408	226	67	7	-7777	

	Growing Degree Units (Accumulated Monthly)													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
40	0	0	5	50	294	788	1488	2180	2593	2717	2728	2728		
45	0	0	1	16	147	493	1039	1577	1849	1903	1905	1905		
50	0	0	0	4	60	269	660	1043	1194	1210	1210	1210		
55	0	0	0	1	20	118	358	592	655	658	658	658		
60	0	0	0	0	4	34	147	257	275	275	275	275		
	Growing Degree Units for Corn (Monthly Accumulated)													
50/86	0	0	4	41	187	464	876	1284	1510	1577	1584	1584		

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

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