

Summary of Monthly Normals
1991-2020

Generated on 04/24/2024

Current Location: Elev: 102 ft. Lat: 60.7850° N Lon: 161.8292° W

Station: **BETHEL AP, AK US USW00026615**

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	12.7	1.2	6.9	8.8	8.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	1489.2	1551.2	1644.3	1799.4	0.0	0.0	0.0	25.0	30.4	14.9
02	20.1	6.5	13.3	7.5	8.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	1167.9	1223.9	1307.8	1447.7	0.0	0.0	0.0	19.5	27.4	10.0
03	22.0	7.0	14.5	6.9	8.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1255.0	1317.0	1410.2	1565.3	0.0	0.0	0.1	22.3	30.4	11.5
04	36.9	21.2	29.0	5.9	5.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	778.6	838.6	928.5	1078.5	0.0	0.0	3.8	9.6	26.5	2.2
05	52.0	34.1	43.0	4.1	3.9	3.8	2.2	0.8	0.1	0.0	0.0	0.0	372.7	433.3	525.6	680.5	0.0	0.0	19.1	1.1	12.5	0.0
06	62.1	44.5	53.3	2.8	1.8	2.1	46.5	27.5	11.5	2.1	0.1	0.0	97.7	138.7	212.6	353.1	0.0	0.0	28.9	0.0	0.3	0.0
07	63.6	49.0	56.3	3.1	1.8	2.4	83.4	52.5	22.4	3.4	0.5	0.2	43.2	74.2	137.2	273.1	0.0	0.0	30.7	0.0	0.0	0.0
08	60.5	47.3	53.9	2.9	2.1	2.3	39.9	21.6	7.1	1.0	0.1	0.0	74.1	117.8	196.3	345.1	0.0	0.0	30.8	0.0	0.1	0.0
09	52.7	39.4	46.1	3.0	2.9	2.8	2.7	0.9	0.1	0.0	0.0	0.0	271.3	329.5	418.7	568.5	0.0	0.0	21.6	0.1	5.3	0.0
10	37.9	26.4	32.2	4.9	5.4	5.1	0.1	0.0	0.0	0.0	0.0	0.0	708.4	770.3	863.3	1018.3	0.0	0.0	2.8	8.4	22.8	0.3
11	24.3	12.8	18.5	6.4	7.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1093.3	1153.3	1243.4	1393.4	0.0	0.0	0.1	20.1	28.2	5.7
12	16.3	3.7	10.0	7.4	8.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	1395.0	1457.0	1550.0	1705.0	0.0	0.0	0.0	24.5	30.4	13.6
Summary	38.4	24.4	31.4	5.3	5.3	5.2	175	103	41	6	1	0	8746	9405	10438	12228	0.0	0.0	137.9	130.6	214.3	58.2

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

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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	0.77	9.2	2.3	0.2	0.0	0.31	0.51	1.13	
02	0.88	10.1	2.9	0.1	0.0	0.41	0.68	1.15	
03	0.74	8.6	2.5	0.2	0.0	0.35	0.63	0.94	
04	0.79	9.5	2.8	0.1	0.0	0.32	0.53	1.07	
05	1.21	12.0	4.1	0.2	0.0	0.53	1.06	1.75	
06	1.77	12.9	5.7	0.6	0.1	1.30	1.60	2.05	
07	2.57	16.2	7.8	1.1	0.1	1.55	2.74	3.39	
08	3.36	18.1	9.7	1.6	0.2	2.56	3.29	3.88	
09	2.89	16.6	8.5	1.3	0.2	1.71	2.60	3.61	
10	1.84	13.3	5.7	0.7	0.0	0.98	1.61	2.31	
11	1.80	13.7	5.5	0.6	0.1	1.15	1.58	2.44	
12	1.06	10.9	3.1	0.3	0.0	0.62	0.94	1.24	
Summary	19.68	151.1	60.6	7.0	0.7	11.79	17.77	24.96	

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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	9.40	9.3	3.2	0.5	0.1	0.0	29.5	22.5	17.9	10.1	4.40	7.80	12.40
02	8.10	10.1	3.1	0.6	0.2	0.0	26.6	21.6	17.0	9.8	4.20	6.30	10.20
03	8.80	9.1	3.1	0.6	0.1	0.0	28.5	24.6	19.5	10.2	2.90	7.50	12.30
04	6.00	7.3	1.8	0.4	0.1	0.0	15.4	10.7	7.9	3.8	1.00	3.20	10.10
05	1.90	2.7	0.5	0.1	0.0	0.0	0.8	0.2	0.1	0.0	0.00	0.40	3.10
06	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.50	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
10	3.90	5.2	1.3	0.1	0.0	0.0	5.2	2.3	0.8	0.0	1.20	2.80	7.10
11	13.20	11.2	4.1	1.2	0.1	0.0	18.8	12.6	7.8	2.6	6.10	13.00	18.60
12	12.20	11.7	3.8	1.0	0.4	0.0	27.5	21.4	18.7	8.2	7.20	12.60	14.80
Summary	64.0	67.2	21.1	4.5	1.0	0.0	152.5	115.9	89.7	44.7	27.0	53.6	88.6

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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	0.7	0.5	0.0	15.2	144.3	400.3	505.3	430.9	202.1	23.4	1.1	0.3
45	0.1	0.1	0.0	2.6	56.1	256.4	350.4	276.3	92.2	4.6	0.0	0.0
50	0.0	0.0	0.0	0.2	14.7	130.1	200.3	132.2	22.9	0.4	0.0	0.0
55	0.0	0.0	0.0	0.0	2.2	46.5	83.4	39.9	2.7	0.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.1	11.5	22.4	7.1	0.1	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.0	0.0	8.5	74.0	190.4	227.0	172.7	63.6	4.3	0.0	0.0

Growing Degree Units (Accumulated Monthly)												
40	1	1	1	16	161	561	1066	1497	1699	1723	1724	1724
45	0	0	0	3	59	315	666	942	1034	1039	1039	1039
50	0	0	0	0	15	145	345	478	500	501	501	501
55	0	0	0	0	2	49	132	172	175	175	175	175
60	0	0	0	0	0	12	34	41	41	41	41	41
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	8	82	273	500	673	736	740	740	740

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