

Climatology of the United States

No. 20

1971-2000

Station: BENS FARM, AK

COOP ID: 500707

Climate Division: AK 5

NWS Call Sign:

Elevation: 150 Feet

Lat: 61° 34N

Lon: 149° 08W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 90	Max >= 70	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.2	4.8	13.0	51	1994	29	34.4	1981	-48	1975	4	-2.7	1971	1612	0	.0	.0	@	21.8	29.7	12.8
Feb	26.6	8.8	17.7	53+	1980	11	33.0	1997	-44	1999	4	-.6	1990	1324	0	.0	.0	.1	17.3	26.4	9.9
Mar	35.7	17.2	26.5	57	2001	29	37.4	1981	-33	1971	7	13.5	1972	1195	0	.0	.0	.6	9.2	28.4	4.8
Apr	47.4	29.1	38.3	68+	1976	30	43.0	1993	-12	1986	7	27.9	1972	803	0	.0	.0	11.6	.9	20.8	.4
May	59.2	38.1	48.7	82	1969	24	53.4	1981	18	1984	17	44.4	1971	508	0	.0	2.2	29.6	.0	7.5	.0
Jun	66.5	46.1	56.3	90	1969	15	59.7	1997	29	1983	11	52.7	1975	262	1	.0	9.9	29.9	.0	.2	.0
Jul	69.0	50.0	59.5	87+	1972	6	62.8	1997	35	1971	21	57.5	1982	172	1	.0	13.3	31.0	.0	.0	.0
Aug	66.4	47.6	57.0	82	1977	21	59.8	1997	25	1969	13	53.9	1973	249	0	.0	8.7	31.0	.0	.3	.0
Sep	56.9	40.7	48.8	74	1974	4	53.7	1995	14	1992	23	39.6	1992	486	0	.0	.3	27.0	.0	5.0	.0
Oct	41.2	27.3	34.3	68	1986	10	41.3	1979	-15	1982	31	20.9	1996	953	0	.0	.0	5.5	5.1	22.3	.9
Nov	27.6	13.0	20.3	55	1986	2	33.3	1979	-31	1990	29	5.9	1990	1342	0	.0	.0	.4	19.3	28.4	6.8
Dec	23.1	7.5	15.3	52+	1985	11	29.4	1986	-35+	1979	31	-7.7	1980	1541	0	.0	.0	.2	21.8	29.8	10.8
Ann	45.1	27.5	36.3	90	Jun 1969	15	62.8	Jul 1997	-48	Jan 1975	4	-7.7	Dec 1980	10447	2	.0	34.4	166.9	95.4	198.8	46.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: October 2004

008-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1969-2001

(3) Derived from 1971-2000 serially complete daily data

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of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BENS FARM, AK

COOP ID: 500707

Climate Division: AK 5

NWS Call Sign:

Elevation: 150 Feet

Lat: 61°34N

Lon: 149°08W

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.79	.69	1.65	1986	4	3.23	1981	.00+	1998	3.3	2.5	.3	@	.00	.00	.06	.21	.36	.53	.74	.99	1.35	1.93	2.53	
Feb	.82	.73	1.60	1986	7	2.26	1986	.00+	1999	3.1	2.0	.3	@	.00	.00	.21	.37	.52	.68	.84	1.05	1.33	1.75	2.16	
Mar	.47	.43	.97	1981	11	1.52	1979	.00+	1999	2.2	1.1	.2	.0	.00	.00	.00	.13	.23	.34	.46	.60	.80	1.13	1.43	
Apr	.34	.13	.75	1975	17	1.21	1971	.00+	2000	2.0	1.2	.1	.0	.00	.00	.00	.00	.00	.12	.25	.41	.63	.99	1.36	
May	.60	.52	.98	1997	30	2.13	1997	.00+	1998	3.6	2.1	@	.0	.00	.00	.19	.31	.42	.53	.64	.77	.95	1.22	1.47	
Jun	1.06	1.11	.95	1971	30	2.00	1978	.00	1999	5.4	3.9	.3	.0	.18	.32	.50	.65	.79	.94	1.11	1.31	1.56	1.97	2.35	
Jul	1.93	1.66	1.64	1986	20	4.50	1979	.14	1990	8.9	5.9	.9	@	.46	.64	.92	1.17	1.42	1.69	1.98	2.34	2.80	3.53	4.22	
Aug	2.00	1.68	1.58	1996	5	4.90	1997	.00	2000	8.5	5.5	.9	.1	.36	.64	.98	1.25	1.51	1.78	2.09	2.44	2.91	3.63	4.31	
Sep	2.26	2.13	1.97	1995	20	5.00	1990	.42	1996	9.4	6.1	1.2	.2	.65	.87	1.19	1.47	1.75	2.03	2.35	2.72	3.20	3.96	4.66	
Oct	1.43	1.46	1.63	1992	27	3.22	1992	.00	1996	6.3	4.3	.7	.1	.12	.28	.51	.72	.94	1.17	1.44	1.77	2.21	2.92	3.60	
Nov	1.04	.77	1.52	1976	30	4.09	1976	.00+	2000	4.2	3.0	.3	.1	.00	.00	.19	.36	.54	.75	.99	1.30	1.71	2.41	3.10	
Dec	1.26	1.49	1.70	1980	31	3.74	1998	.00+	2000	5.6	3.8	.5	.1	.00	.00	.32	.57	.80	1.04	1.30	1.62	2.04	2.68	3.31	
Ann	14.00	13.90	1.97	Sep 1995	20	5.00	Sep 1990	.00+	Dec 2000	62.6	41.4	5.7	.6	9.56	10.41	11.49	12.33	13.07	13.79	14.53	15.36	16.37	17.83	19.10	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Station: BENS FARM, AK

COOP ID: 500707

Climate Division: AK 5

NWS Call Sign:

Elevation: 150 Feet

Lat: 61°34N

Lon: 149°08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.1	3.0	3	1	6.0	1984	4	15.0	1993	17+	1992	28	14	1992	2.6	1.8	.5	.2	.0	13.9	10.3	8.6	4.3
Feb	5.7	4.0	2	1	10.0	1992	28	19.0	1978	26	1992	28	16	1992	2.4	1.8	.7	.4	.1	11.1	7.5	5.3	3.3
Mar	3.8	3.2	1	0	7.0	1979	18	17.0	1979	29	1992	1	17	1992	2.0	1.5	.4	.1	.0	9.3	4.6	2.9	1.7
Apr	1.0	.0	0	0	3.0+	1977	11	6.4	1984	6	1986	1	2	1986	.8	.4	.1	.0	.0	.9	.6	.2	.0
May	.1	.0	0	0	1.5	1972	21	1.5	1972	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	1.0+	1983	23	1.0+	1983	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Oct	3.5	.0	0	0	8.0	1982	28	22.6	1982	10	1982	29	3	1982	1.2	1.0	.6	.1	.0	2.7	1.6	.8	.0
Nov	5.6	3.5	1	0	6.3	1990	17	17.5	1982	11+	1988	30	3+	1992	2.6	2.0	.7	.1	.0	10.2	4.6	2.3	.0
Dec	10.5	7.1	2	2	6.0+	1990	28	27.5	1978	18	1991	28	8	1978	4.6	3.6	1.1	.4	.0	16.4	10.3	7.2	1.7
Ann	35.4	20.8	N/A	N/A	10.0	Feb 1992	28	27.5	Dec 1978	29	Mar 1992	1	17	Mar 1992	16.4	12.2	4.1	1.3	.1	64.5	39.5	27.3	11.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

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-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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NWS Call Sign:

Elevation: 150 Feet

Lat: 61°34N

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Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/16	6/12	6/09	6/05	6/02	5/30	5/26	5/20
32	6/04	5/30	5/27	5/24	5/22	5/19	5/16	5/13	5/08
28	5/20	5/16	5/12	5/10	5/07	5/04	5/02	4/28	4/24
24	5/05	4/30	4/26	4/23	4/20	4/17	4/13	4/10	4/04
20	4/28	4/21	4/17	4/13	4/09	4/05	4/01	3/28	3/21
16	4/18	4/12	4/08	4/04	4/01	3/28	3/25	3/20	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/17	8/22	8/25	8/28	8/31	9/03	9/06	9/09	9/14
32	8/26	9/01	9/05	9/08	9/12	9/15	9/19	9/23	9/28
28	9/06	9/12	9/15	9/19	9/22	9/25	9/28	10/02	10/08
24	9/17	9/22	9/26	9/29	10/02	10/05	10/08	10/11	10/16
20	9/28	10/03	10/06	10/09	10/11	10/14	10/17	10/20	10/24
16	10/06	10/10	10/14	10/16	10/19	10/21	10/24	10/27	10/31
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	103	96	91	86	81	75	69	60
32	137	128	122	117	112	108	102	96	88
28	162	153	147	142	137	132	127	121	113
24	188	180	174	169	164	160	155	149	141
20	208	200	194	189	185	180	175	169	161
16	223	215	210	205	200	196	191	185	177

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

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Climate Division: AK 5 NWS Call Sign: Elevation: 150 Feet Lat: 61°34N Lon: 149°08W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1612	1324	1195	803	508	262	172	249	486	953	1342	1541	10447
60	1457	1184	1040	653	353	128	50	114	339	798	1192	1386	8694
57	1373	1100	947	563	264	69	12	58	257	705	1102	1293	7743
55	1316	1044	885	504	209	41	4	33	207	643	1042	1231	7159
50	1170	917	739	365	98	6	0	4	106	499	900	1081	5885
32	686	476	281	50	0	0	0	0	1	120	429	584	2627

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	96	75	108	237	516	728	852	774	505	190	78	66	4225
55	14	0	0	1	12	79	142	94	20	1	0	0	363
57	9	0	0	0	4	47	88	57	10	0	0	0	215
60	0	0	0	0	1	16	33	20	3	0	0	0	73
65	0	0	0	0	0	1	1	0	0	0	0	0	2
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	1	45	264	488	604	521	266	39	1	0	0	0	1	46	310	798	1402	1923	2189	2228	2229	2229
45	0	0	0	7	126	338	449	366	140	8	0	0	0	0	0	7	133	471	920	1286	1426	1434	1434	1434
50	0	0	0	0	40	190	294	212	46	0	0	0	0	0	0	0	40	230	524	736	782	782	782	782
55	0	0	0	0	7	68	145	82	3	0	0	0	0	0	0	0	7	75	220	302	305	305	305	305
60	0	0	0	0	0	16	31	14	0	0	0	0	0	0	0	0	0	16	47	61	61	61	61	61
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	27	153	262	322	276	117	8	0	0	0	0	0	27	180	442	764	1040	1157	1165	1165	1165

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

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

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