U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1991-2020

Generated on 11/11/2026

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

Current Location: Elev: 615 ft. Lat: 33.5656° N Lon: 86.7450° W

Station: **BIRMINGHAM AP, AL US USW00013876**

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	54.5	34.9	44.7	3.9	4.2	4.0	29.2	19.5	9.5	1.7	0.1	0.0	348.3	400.7	483.6	630.8	0.0	0.0	21.2	0.9	14.9	0.0
02	59.1	38.4	48.8	4.2	4.3	4.1	43.8	30.3	15.5	4.0	0.3	0.0	218.7	261.2	330.5	459.0	0.0	0.0	22.5	0.1	9.8	0.0
03	67.1	45.0	56.0	3.9	4.1	3.9	136.1	104.7	66.1	23.0	4.3	1.6	103.6	134.2	188.6	300.5	0.0	0.0	29.3	0.1	4.2	0.0
04	75.0	52.1	63.6	2.7	3.1	2.8	276.2	226.8	159.9	73.5	22.1	10.7	19.7	30.3	53.4	116.9	0.0	0.1	29.9	0.0	0.6	0.0
05	82.0	61.0	71.5	2.2	2.8	2.3	512.0	451.0	361.3	222.6	108.5	71.9	0.6	1.5	4.9	21.2	0.0	2.9	31.0	0.0	0.0	0.0
06	88.1	68.5	78.3	2.9	1.7	2.0	698.9	638.9	549.0	399.2	252.6	196.6	0.0	0.0	0.0	0.2	0.2	12.9	30.0	0.0	0.0	0.0
07	91.0	72.1	81.5	2.5	1.5	1.8	823.0	761.0	668.0	513.0	358.0	296.2	0.0	0.0	0.0	0.0	0.7	20.4	31.0	0.0	0.0	0.0
08	90.6	71.3	80.9	3.3	2.1	2.5	804.3	742.3	649.4	494.4	340.0	279.1	0.0	0.0	0.0	0.0	1.4	19.0	31.0	0.0	0.0	0.0
09	85.9	65.3	75.6	3.2	2.7	2.7	617.9	558.0	468.6	323.6	190.7	143.6	0.0	0.1	0.7	5.7	0.0	9.2	30.0	0.0	0.0	0.0
10	76.0	53.9	64.9	2.9	3.2	2.6	326.2	273.7	201.5	103.6	39.5	23.9	17.7	27.2	48.1	105.2	0.0	0.6	31.0	0.0	0.1	0.0
11	65.0	43.0	54.0	3.8	3.6	3.4	95.8	70.3	41.0	14.0	2.9	1.0	125.7	160.2	220.9	344.0	0.0	0.0	28.4	0.0	5.4	0.0
12	56.9	37.9	47.4	3.8	4.0	3.8	41.5	28.9	15.5	4.4	0.8	0.3	277.0	326.4	406.0	550.0	0.0	0.0	23.5	0.1	12.0	0.0
Summary	74.3	53.6	63.9	3.3	3.1	3.0	4405	3905	3205	2177	1320	1025	1111	1342	1737	2534	2.3	65.1	338.8	1.2	47.0	0.0

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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	5.03	10.5	7.4	3.7	1.5	3.24	5.17	6.24
02	4.95	10.8	7.5	3.7	1.4	3.10	4.36	5.89
03	5.66	11.2	7.8	3.9	1.7	4.24	5.22	6.80
04	5.08	9.2	6.3	3.3	1.6	3.08	4.82	7.00
05	4.91	9.8	6.8	3.6	1.7	2.71	4.68	6.19
06	4.78	11.2	8.2	3.6	1.2	3.04	4.76	5.72
07	5.42	11.9	7.8	3.4	1.7	3.33	5.64	7.69
08	4.35	10.6	6.7	2.8	1.4	2.55	4.29	5.64
09	4.00	7.0	4.3	2.3	1.3	1.45	3.16	5.66
10	3.34	7.1	4.5	2.1	1.1	1.37	2.52	5.29
11	4.23	8.4	6.0	2.9	1.5	2.56	4.00	4.78
12	4.87	10.4	7.7	3.2	1.6	3.34	4.38	6.24
Summary	56.62	118.1	81.0	38.5	17.7	34.01	53.00	73.14

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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	0.40	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
02	0.30	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
03	0.50	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.00	0.00	0.00
04	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
05	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
06	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	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
11	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
12	0.20	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	1.4	0.8	0.5	0.1	0.0	0.0	0.3	0.2	0.1	0.1	0.0	0.0	0.0

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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	213.9	271.0	503.8	706.6	976.5	1148.9	1287.9	1269.3	1067.8	773.7	425.5	262.9
45	124.7	169.3	360.4	557.5	821.5	998.9	1132.9	1114.3	917.8	619.5	292.6	160.5
50	65.1	93.8	236.4	411.9	666.5	848.9	978.0	959.3	767.9	468.1	180.3	87.9
55	29.2	43.8	136.1	276.2	512.0	698.9	823.0	804.3	617.9	326.2	95.8	41.5
60	9.5	15.5	66.1	159.9	361.3	549.0	668.0	649.4	468.6	201.5	41.0	15.5
Growing Degree Units for Corn (Monthly)												
50/86	117.8	156.9	303.4	448.3	658.5	798.4	895.3	879.6	731.7	497.9	255.8	144.7

Growing Degree Units (Accumulated Monthly)

40	214	485	989	1695	2672	3821	5109	6378	7446	8219	8645	8908
45	125	294	654	1212	2033	3032	4165	5280	6197	6817	7109	7270
50	65	159	395	807	1474	2323	3301	4260	5028	5496	5676	5764
55	29	73	209	485	997	1696	2519	3324	3941	4268	4363	4405
60	10	25	91	251	612	1161	1829	2479	2947	3149	3190	3205
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	118	275	578	1026	1685	2483	3379	4258	4990	5488	5744	5888

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

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