

Summary of Monthly Normals
1991-2020

Generated on 05/02/2024

Current Location: Elev: 435 ft. Lat: 34.0967° N Lon: 87.9914° W
Station: **HAMILTON 3 S, AL US USC00013645**

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	52.5	28.3	40.4	4.0	4.9	4.3	16.3	10.9	5.1	1.0	0.1	0.0	468.7	525.3	612.5	763.5	0.0	0.0	19.3	1.2	21.7	0.2
02	57.6	31.1	44.3	4.2	4.2	4.0	21.8	14.2	6.8	1.6	0.1	0.0	320.0	368.3	445.0	579.8	0.0	0.0	20.6	0.3	17.8	0.1
03	66.7	37.5	52.1	4.4	3.9	3.9	81.6	59.5	34.0	9.7	1.5	0.6	171.6	211.4	278.9	409.6	0.0	0.1	28.4	0.1	12.8	0.0
04	75.1	45.1	60.1	2.9	3.4	2.9	199.8	159.0	106.1	42.4	9.6	3.8	46.8	65.9	103.0	189.4	0.0	0.6	29.8	0.0	4.4	0.0
05	81.9	55.1	68.5	2.4	3.2	2.4	421.7	362.8	278.1	155.1	62.9	36.3	3.2	6.3	14.6	46.6	0.0	4.4	31.0	0.0	0.1	0.0
06	88.5	64.1	76.3	2.6	2.3	2.0	638.9	578.9	488.9	339.8	197.6	145.7	0.0	0.0	0.0	0.8	0.1	16.3	30.0	0.0	0.0	0.0
07	91.5	68.1	79.8	2.4	2.1	1.7	768.7	706.7	613.7	458.8	304.6	244.0	0.0	0.0	0.0	0.0	1.3	22.5	31.0	0.0	0.0	0.0
08	91.3	66.9	79.1	3.6	2.4	2.6	747.0	685.0	592.0	437.2	284.1	224.9	0.0	0.0	0.0	0.1	2.3	20.9	31.0	0.0	0.0	0.0
09	86.5	60.1	73.3	3.5	2.8	2.5	549.3	489.8	402.0	263.3	142.2	101.3	0.4	0.9	3.1	14.3	0.6	11.7	30.0	0.0	0.0	0.0
10	76.1	47.1	61.6	3.1	3.7	2.4	245.5	200.2	139.9	63.9	20.2	11.1	40.8	57.6	90.3	169.3	0.1	1.3	30.9	0.0	4.3	0.0
11	64.1	36.1	50.1	4.3	4.1	3.8	56.9	39.9	22.4	6.8	0.9	0.2	203.8	246.8	319.3	453.7	0.0	0.0	27.7	0.0	15.3	0.0
12	55.1	31.4	43.3	4.0	4.1	3.8	22.8	15.4	7.8	2.0	0.2	0.0	387.0	441.6	526.9	676.2	0.0	0.0	21.9	0.4	19.8	0.0
Summary	73.9	47.6	60.7	3.4	3.4	3.0	3770	3322	2697	1782	1024	768	1642	1924	2394	3303	4.4	77.8	331.6	2.0	96.2	0.3

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	5.46	10.5	7.3	3.8	1.9	4.01	5.63	6.85	
02	6.01	10.2	7.3	4.0	1.7	3.47	4.78	7.51	
03	5.29	10.5	7.7	3.9	1.6	4.10	4.77	6.72	
04	6.09	8.7	6.9	3.9	2.3	4.51	5.45	7.44	
05	5.79	8.9	7.0	3.7	1.6	2.94	4.61	8.17	
06	4.86	9.6	7.3	3.3	1.5	3.12	4.60	6.68	
07	5.12	10.2	7.2	3.2	1.5	2.50	4.16	8.23	
08	4.31	9.1	6.5	3.2	1.2	2.72	4.29	5.98	
09	3.94	6.3	4.7	2.2	1.3	2.29	4.23	5.44	
10	3.84	6.8	4.8	2.8	1.3	1.85	3.30	5.48	
11	4.58	8.5	6.0	3.2	1.3	3.42	4.43	5.71	
12	6.42	10.0	7.5	4.4	1.9	4.63	6.01	7.70	
Summary	61.71	109.3	80.2	41.6	19.1	39.56	56.26	81.91	

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

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

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	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.40
02	0.40	0.3	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.00
03	0.30	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	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	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	1.3	1.0	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.4

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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	139.8	182.5	391.2	604.0	883.5	1088.8	1233.7	1211.9	998.7	670.5	323.1	179.3
45	75.9	104.5	262.7	457.8	728.5	938.9	1078.7	1057.0	848.9	518.5	207.1	102.7
50	38.1	52.8	158.0	319.9	573.7	788.9	923.7	902.0	698.9	374.1	117.8	53.3
55	16.3	21.8	81.6	199.8	421.7	638.9	768.7	747.0	549.3	245.5	56.9	22.8
60	5.1	6.8	34.0	106.1	278.1	488.9	613.7	592.0	402.0	139.9	22.4	7.8
Growing Degree Units for Corn (Monthly)												
50/86	99.0	139.1	278.1	407.5	584.7	733.7	832.4	811.6	662.9	450.1	231.0	120.1
Growing Degree Units (Accumulated Monthly)												
40	140	322	714	1318	2201	3290	4524	5735	6734	7405	7728	7907
45	76	180	443	901	1629	2568	3647	4704	5553	6071	6278	6381
50	38	91	249	569	1142	1931	2855	3757	4456	4830	4948	5001
55	16	38	120	320	741	1380	2149	2896	3445	3691	3748	3770
60	5	12	46	152	430	919	1533	2125	2527	2667	2689	2697
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	99	238	516	924	1508	2242	3075	3886	4549	4999	5230	5350

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