

Alabama Climatologist



The Alabama Climate Report

Volume 12, Number 1:: April 2021



With the exception of some hefty-sized hail associated with a storm system that went through in early April, it would seem the state got through the month of April largely unscathed after an active March.

Preliminary reports are that Alabama (Henry and Houston counties) was hit by two small tornadoes in April with no injuries. An estimated 4-inch hailstone (near softball size) fell in Orange Beach, AL on April 10th. This is the largest hailstone ever recorded in Baldwin County. More information on this event can be found here: https://www.weather.gov/mob/2021_April10_Severe.

After a warm March, April was slightly cooler than normal by 1.1°F statewide. Many stations across the state recorded sub-freezing temperatures (54 stations in total). A U.S.-Forest station in DeSoto State Park recorded the lowest temperature of month at 25°F. While on average the state was cooler than normal, a few stations reached at least 90°F with the Andalusia-Opp Airport recording the hottest temperature for the month at 91°F.

Precipitation varied from dry conditions in the northern counties to wet conditions in the southern counties. The northern counties average about 1.4 inches drier than normal with the Scottsboro 2 NE station recording the least amount of rainfall at 2.13 inches for the entire state of Alabama. Meanwhile, the southern counties averaged about 2.8 inches wetter than normal with the Dauphin Island 4.8 E station recording the most amount of rainfall at 15.76 inches.

You may have heard of the National Centers for Environmental Information (NCEI) releasing their new U.S. Climate Normals for temperature and precipitation with respect to 1991-2020. These normals are calculated every 10 years to update average conditions across the U.S. and to provide better context to our current day weather.

What does this mean for Alabama? If we look at the "old" normals (1981-2020) statewide, March was the wettest month (5.46 inches of rainfall) and October (3.48 inches of rainfall) was the driest on average. With the "new" normals, December (5.46 inches of rainfall) is the wettest and October (3.5 inches of rainfall) remains the driest. Temperature-wise, using the "old" normal (1981-2020) statewide, July was the hottest month (average temperature of 80.1°F) and January was the coldest month (average temperature of 44.5°F). With the "new" normal, the hottest and coldest month are the same but there is a slight change in the average temperatures (80.3°F for July; 45.3°F for January). However, for Alabama's Climate Report, we use the 20th century average (1901-2000) for state and county normals.

Drought Monitor

U.S. Drought Monitor

Alabama

April 27, 2021 (Released Thursday, Apr. 29, 2021) Valid 8 a.m. EDT



Intensity:

None

D0 Abnormally Dry

D1 Moderate Drought

D2 Severe Drought
D3 Extreme Drought

D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

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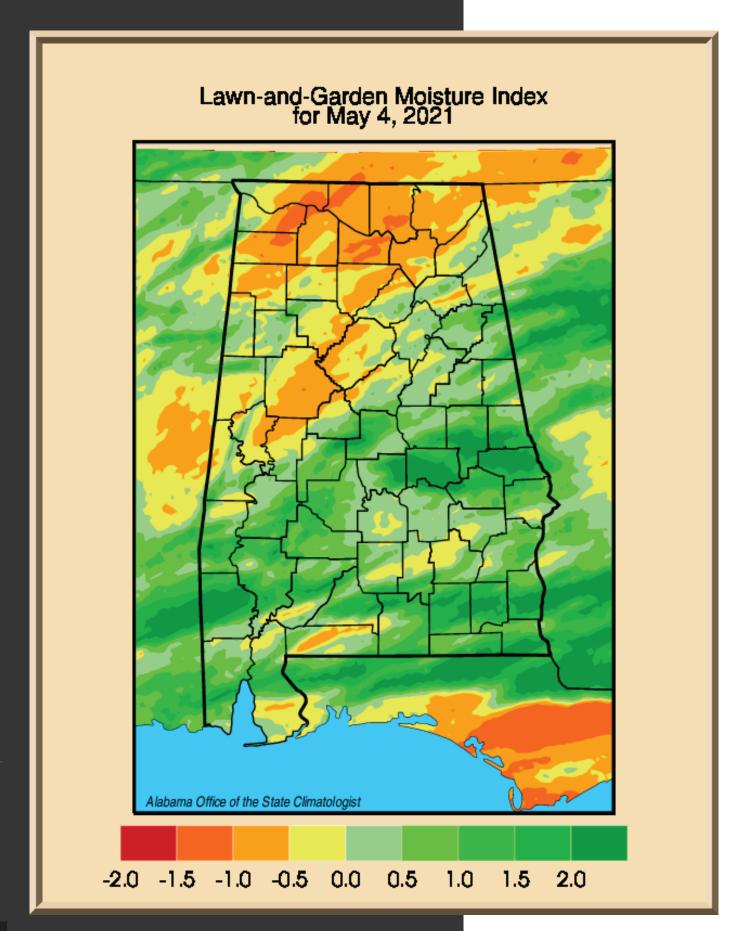






droughtmonitor.unl.edu

Lawn & Garden Index



и WWW.NSSTC.UAH.EDU/ALCLIMATEREPORT

Alabama Monthly Climate Summaries

Alabama Monthly Climate Summaries									
April 2021									
	Apr. Mean	Apr. High Temp	Apr. Low Temp Record Low	Total Precip.	Wettest Apr.	Heaviest Day			
	Apr. Norm	Record High 86 4/13/21	30 4/3/21	Normal Precip. 2.55"	Driest Apr. 17.30" 1979	Record Day 1.31" 4/24/21			
Anniston	62	93 4/17/55	26 4/17/1905	2.55 4.87"	.17" 1986	6.15" 4/29/63			
Auburn	62.1	86 4/13/21	34 4/3/21	3.40"	17.66" 1964	2.08" 4/24/21			
	64	94 4/30/42	27 4/13/40	4.92"	.50" 1915	5.15" 4/8/64			
	62.1	85 4/18/21	31 4/2/21	4.79"	13.75" 1979	3.20" 4/9/21			
Birmingham	62.6	92 4/21/87	26 4/11/73	4.67"	.42" 1986	4.61" 4/12/79			
Brewton	62.6	84.1 4/29/21	34.1 4/3/21	6.84"	11.13" 1975	3.19" 4/10/21			
Diewton	65.3	95 4/30/43	25 4/7/50	4.50"	.50" 1981	9.60" 4/14/55			
Calera	62.2	84 4/13/21	35 4/2/21	4.97"	18.32" 1979	3.15" 4/9/21			
	62.4	90 4/24/60	25 4/11/73	5.15"	.10" 1925	5.33" 4/13/79			
Clanton	60.6	84.4 4/13/21	30.7 4/3/21	3.31"	22.00" 1979	1.96" 4/24/21			
	62.7	94 4/25/25	26 4/13/40	5.43"	.12" 1986	9.00" 4/8/38			
Courtland	59.2 M	82.4 4/13/21	29.4 4/3/21	2.69"	M	.98" 4/24/21			
	57.5	M 81.7 4/13/21	M 27.8 4/3/21	M 2.94"	<u>М</u> М	M 1.45" 4/24/21			
Cullman (St. Bernard)	57.5 M	81.7 4/13/21 M	27.8 4/3/21 M	2.94" M	M	1.45° 4/24/21 M			
	59.3	84 4/13/21	29 4/3/21	3.55"	13.57" 1911	1.81" 4/7/21			
Decatur (Pryor Field)	61.6	92 4/29/1899	26 4/6/1898	4.50"	.58" 1930	4.38" 4/6/1892			
	64.7	88 4/13/21	35 4/2/21	5.30"	10.32" 1944	3.72" 4/24/21			
Dothan	67.3	95 4/30/42	31 4/13/40	4.11"	.54" 1967	4.25" 4/6/37			
Fairbana	63.5	85.2 4/29/21	37.5 4/3/21	10.34"	13.53" 1980	4.26" 4/10/21			
Fairhope	66.9	97 4/10/23	29 4/13/40	4.53"	.11" 1999	8.31" 4/15/96			
Gadsden	56.8	79.1 4/28/21	27.2 4/3/21	2.59"	12.65" 1979	1.42" 4/24/21			
Gudsden	61.6	94 4/30/15	24 4/7/52	5.21"	.57" 1986	4.60" 4/13/79			
Gainesville Lock	61.5	84.8 4/9/21	34.1 4/2/21	4.08"	18.41" 1979	1.61" 4/24/21			
	63.3	92+ 4/28/87	29 4/1/87	5.37"	.34" 1976	7.55" 4/13/79			
Greensboro	61.2 64.4	82.5 4/27/21	31 4/2/21	4.45"	12.37" 1979	2.11" 4/24/21			
	M	97 4/25/16 M	28 4/13/40 M	5.33" M	.59" 1987 10.45" 1979	4.46" 4/5/56 M			
Guntersville	59.2	94 4/26/86	25+ 4/3/92	4.81"	.77" 1986	5.01" 4/29/63			
	62.8	83.9 4/13/21	33.9 4/2/21	3.11"	14.00" 1964	1.33" 4/10/21			
Highland Home	64.8	96 4/30/1906	24 4/4/87	4.57"	.35" 1915	7.57" 4/27/64			
	59.8	83 4/28/21	30 4/2/21	2.85"	12.55" 1964	1.64" 4/7/21			
Huntsville	61.2	92 4/16/67	26 4/1/87	4.86"	.42" 1986	3.85" 4/5/83			
Mobile	64.3	84 4/29/21	37 4/3/21	12.71"	15.43" 1980	3.64" 4/14/21			
Mobile	67.3	94 4/21/87	32 4/5/87	5.70"	.08" 1999	6.65" 4/5/57			
Montgomery	64.6	87 4/13/21	35 4/3/21	3.95"	15.64" 1964	2.02" 4/9/2			
montgomery	64.8	91+ 4/5/88	28 4/1/87	4.34"	.52" 1986	4.54" 4/8/64			
Muscle Shoals Airport	61.6	85 4/28/21	33 4/3/21	3.04"	12.81" 1983	1.66" 4/7/21			
	61.5 58	92 4/30/87	27 4/11/89	4.43"	.36" 1986	5.34" 4/5/83			
Russellville	58	81.4 4/12/21	26.5 4/3/21	3.41"	14.00" 1991	.93" 4/24/21			
	57.7	89+ 4/11/01 83.1 4/28/21	22 4/11/73 27.6 4/3/21	4.97" 2.13"	.57" 1986 9.57" 2000	3.85" 4/6/83 1.37" 4/24/21			
Scottsboro	58.7	92 4/30/43	23+ 4/3/92	4.52"	1.22" 1976	3.72" 4/29/63			
	61.2	82.9 4/27/21	31.7 4/3/21	5.41"	10.02" 1973	3.50" 4/24/21			
Selma	63.5	93+ 4/22/87	29 4/13/40	4.33"	.22" 1986	8.74" 4/8/38			
Talladega	59.8	85.2 4/13/21	27.9 4/3/21	3.37"	18.27" 1979	1.79" 4/24/21			
	59.8	92 4/18/55	24+ 4/3/92	4.80"	.35" 1986	5.72" 4/4/74			
Thomasville	61.4	83.7 4/27/21	32.8 4/3/21	8.72"	12.02" 1979	4.93" 4/24/21			
	64.1	94 4/22/87	27 4/13/40	4.64"	.49" 1987	5.47" 4/3/79			
Troy	64.6	90 4/13/21	35 4/3/21	5.33"	8.41" 1979	2.82" 4/9/21			
ПОУ	63.4	94 4/30/42	29 4/13/40	4.25"	.73" 1986	4.52" 4/15/34			
Tuscaloosa	63	86 4/12/21	32 4/2/21	3.23"	14.41" 1979	1.71" 4/9/21			
	63.9	94 4/21/87	29 4/1/87	5.10"	.30" 1987	6.44" 4/12/79			
Valley Head	55.8	81.3 4/28/21	25.8 4/2/21	2.28"	10.08" 1979	1.61" 4/24/21			
	55.9	88+ 4/27/86	19 4/3/92	4.73"	1.10" 1976	4.18" 4/30/63			

New Alabama Climate Records

No monthly records were set in April 2021							
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Highest Maximum Temperature Daily Record	D.475	DECORD	DDEL	PDE / PECOPO	AU INADED OF VEADS	DIFFERENCE	
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE	
FORT BENNING LAWSON FIELD, AL US	4/13/21		4/13/17	85	72		
CLAYTON, AL US	4/14/21	87	4/14/01	87	65	-	
FORT BENNING LAWSON FIELD, AL US	4/14/21	89	4/14/54	88	72	1	
Highest Minimum Temperature Daily Record							
MUSCLE SHOALS AIRPORT, AL US	4/28/21	69	4/28/70	69	80	0	
GUNTERSVILLE, AL US	4/29/21	66	4/29/14	65	111	1	
ATMORE, AL US	4/30/21	70	4/30/02	70	81	0	
CLAYTON, AL US	4/30/21	67	4/30/70	67	65	0	
Lowest Maximum Temperature Daily Record							
BESSEMER 3 WSW, AL US	4/1/21	55	4/1/93	60	44	-5	
HUNTSVILLE INTNL AIRPORT, AL US	4/1/21	52	4/1/92	53	62	-1	
ANNISTON METROPOLITAN AIRPORT, AL US	4/1/21	53	4/1/50	53	118	0	
MOBILE REGIONAL AIRPORT, AL US	4/1/21	62	4/1/87	62	73	0	
ATMORE, AL US	4/2/21	60	4/2/95	61	81	-1	
BANKHEAD LOCK AND DAM, AL US	4/2/21	53	4/2/72	59	64	-6	
BELLE MINA 2 N, AL US	4/2/21	51	4/2/92	54	71	-3	
CLAYTON, AL US	4/2/21	59	4/2/65	61	65	-2	
GENEVA NUMBER 2, AL US	4/2/21	60	4/2/96	60	45	0	
MARION JUNCTION 2 NE, AL US	4/2/21	57	4/2/62	59	71	-2	
OPELIKA, AL US	4/2/21	54	4/2/96	56	64	-2	
ROCK MILLS, AL US	4/2/21	58	4/2/83	58	79	0	
SAND MOUNT SUBSTATION, AL US	4/2/21	48	4/2/96	50	71	-2	
SYLACAUGA 4 NE, AL US	4/2/21	53	4/2/04	54	66	-1	
BREWTON 3 ENE, AL US	4/3/21	59	4/3/93	59	44	0	
JACKSON, AL US	4/3/21	62	4/3/93	64	37	-2	
DEMOPOLIS LOCK AND DAM, AL US	4/5/21	52	4/5/93	53	69	-1	
GENEVA NUMBER 2, AL US	4/12/21	59	4/12/89	60	45	-1	
MOBILE DOWNTOWN AIRPORT, AL US	4/17/21	65	4/17/62	66	72	-1	
MOBILE REGIONAL AIRPORT, AL US	4/17/21	65	4/17/99	67	73	-2	
GENEVA NUMBER 2, AL US	4/18/21	65	4/18/01	66	45	-1	
Lowest Minimum Temperature Daily Record							
ENTERPRISE 2 W, AL US	4/2/21	37	4/2/92	37	55	0	
FAIRHOPE 2 NE, AL US	4/2/21	36	4/2/42	37	103	-1	
MARION JUNCTION 2 NE, AL US	4/2/21	33	4/2/92	34	71	-1	
SYLACAUGA 4 NE, AL US	4/2/21	28	4/2/95	28	66	0	
FORT BENNING LAWSON FIELD, AL US	4/2/21	33	4/2/62	36	72	-3	
MOBILE REGIONAL AIRPORT, AL US	4/2/21	37	4/2/61	38	73	-1	
OPELIKA, AL US	4/3/21	30	4/3/92	30	64	0	
SELMA, AL US	4/3/21	33	4/3/87	34	124	-1	
MOBILE DOWNTOWN AIRPORT, AL US	4/3/21	39	4/3/05	39	72	0	
SYLACAUGA 4 NE, AL US	4/4/21	28	4/4/92	30	66	-2	
FORT BENNING LAWSON FIELD, AL US	4/4/21	30	4/4/62	35	72	-5	
ENTERPRISE 2 W, AL US	4/6/21	39	4/6/13	39	55	0	
THORSBY EXPERIMENTAL STATION, AL US	4/8/21	0	4/8/07	0	63	0	

Highest Precipitation Daily Record						
ATHENS, AL US	4/8/21	2.26	4/8/19	1.62	80	0.64
MOULTON 2, AL US	4/8/21	1.92	4/8/57	1.11	64	0.81
BIRMINGHAM AIRPORT, AL US	4/9/21	1.52	4/9/36	1.1	91	0.42
BEVILL LOCK AND DAM, AL US	4/10/21	2.08	4/10/91	0.38	41	1.7
CAHABA PUMP HOUSE, AL US	4/10/21	1.76	4/10/15	1.34	39	0.42
CHILDERSBURG WATER PLANT, AL US	4/10/21	1.06	4/10/69	0.98	64	0.08
DAUPHIN ISLAND NUMBER 2, AL US	4/10/21	5.1	4/10/20	0.35	45	4.75
DEMOPOLIS LOCK AND DAM, AL US	4/10/21	2.12	4/10/58	0.97	69	1.15
FAIRHOPE 2 NE, AL US	4/10/21	4.02	4/10/55	1.86	103	2.16
GAINESVILLE LOCK, AL US	4/10/21	1.83	4/10/75	1.53	73	0.3
HOLT LOCK AND DAM, AL US	4/10/21	1.79	4/10/15	0.87	40	0.92
LEEDS, AL US	4/10/21	3.36	4/10/36	1.69	104	1.67
SYLACAUGA 4 NE, AL US	4/10/21	1.67	4/10/55	0.54	66	1.13
MOBILE DOWNTOWN AIRPORT, AL US	4/10/21	3.4	4/10/55	2.3	72	1.1
MOBILE REGIONAL AIRPORT, AL US	4/10/21	3.48	4/10/55	2.71	73	0.77
GENEVA NUMBER 2, AL US	4/11/21	1.4	4/11/89	0.62	45	0.78
DAUPHIN ISLAND NUMBER 2, AL US	4/15/21	5.31	4/15/96	5.2	45	0.11
MOBILE DOWNTOWN AIRPORT, AL US	4/15/21	2.12	4/15/01	0.82	72	1.3
MOBILE REGIONAL AIRPORT, AL US	4/15/21	2.9	4/15/94	1.25	73	1.65
DAUPHIN ISLAND NUMBER 2, AL US	4/17/21	1.08	4/17/91	0.26	45	0.82
MOBILE DOWNTOWN AIRPORT, AL US	4/17/21	1.15	4/17/12	1.05	72	0.1
DAUPHIN ISLAND NUMBER 2, AL US	4/18/21	1.3	4/18/12	1.16	45	0.14

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Volunteer Precipitation Reports (CoCoRAHS)

Autauga	6.10	1	Houston	7.91	1	Abbeville	4.08
Baldwin	11.03	30	Jackson	2.82	5	Alberta	4.89
Barbour	6.23	1	Jefferson	5.29	14	Alex City	4.56
Bibb	4.10	1	Lamar	5.59	1	Aliceville	5.26
Blount	4.56	5	Lauderdale	2.31	10	Andalusia	4.88
Bullock	n.a.	0	Lawrence	4.47	4	Ashland	4.64
Butler	4.20	1	Lee	4.97	7	Athens	4.53
Calhoun	3.65	1	Limestone	3.98	8	Bay Minette	5.30
Chambers	n.a.	0	Lowndes	n.a.	0	Bessemer	4.80
Cherokee	n.a.	0	Macon	n.a.	0	Billingsly	5.00
Chilton	4.79	1	Madison	3.59	23	Centreville WSM(5.02
Choctaw	8.78	1	Marengo	n.a.	0	Chatom	5.01
Clarke	9.03	3	Marion	2.93	2	Claiborne L&D	4.29
Clay	n.a.	0	Marshall	4.14	9	Clayton	4.25
Cleburne	n.a.	0	Mobile	12.53	20	Dauphin Isl.	4.31
Coffee	n.a.	0	Monroe	5.78	2	Elba	4.52
Colbert	3.51	6	Montgomery	5.92	4	Eufaula WR	3.56
Conecuh	5.21	1	Morgan	3.68	7	Evergreen	4.51
Coosa	3.43	2	Perry	n.a.	0	Fayette	5.57
Covington	8.31	1	Pickens	n.a.	0	Geneva 2	3.92
Crenshaw	n.a.	0	Pike	n.a.	0	Greenville	4.71
Cullman	2.84	4	Randolph	4.32	1	Haleyville	5.48
Dale	5.80	1	Russell	0.83	2	Hamilton 3S	5.89
Dallas	6.03	1	St. Clair	5.29	5	Heflin	5.26
DeKalb	3.02	7	Shelby	5.13	15	Hurtsboro	3.92
Elmore	5.58	5	Sumter	n.a.	0	Jasper	5.59
Escambia	5.93	1	Talladega	5.29	4	Lafayette	5.15
Etowah	5.19	1	Tallapoosa	5.57	1	Livingston	5.10
Fayette	4.99	1	Tuscaloosa	4.89	5	Melvin	5.38
Franklin	n.a.	0	Walker	3.62	1	Milstead	4.59
Geneva	7.59	1	Washington	10.65	1	Moulton	5.16
Greene	n.a.	0	Wilcox	8.41	2	Oneonta	5.01
Hale	n.a.	0	Winston	4.45	3	Perryville	5.06
Henry	n.a.	0				Plantersville	5.18
,						Rock Mills	4.90
						Rockford	5.23
						Sylacauga	4.74
						Union Springs	4.45
						Uniontown	4.64
						Vernon	5.52
						Warrior L&D	5.12
						Wetumpka	4.68
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