

Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

MAY 2021



The Alabama Climate Report

Volume 12, Number 2 :: May 2021



The cool spring temperatures and near average rainfall continued from April into May for most of the state. The exception is that the central part of Alabama experienced above average rainfall for the month. The highest rainfall total for the central part of Alabama occurred on the 4th, where multiple waves of rain and thunderstorms occurred throughout the day and then during the late-afternoon/early evening hours a more organized line of thunderstorms continue to add to the rainfall total. Many stations in central Alabama reported between five to seven inches of rain during this event! As a result of this event, roughly 90 stations recorded their wettest day in May on record. Some noteworthy stations with 80+ years of data that broke their wettest May day on record include West Blocton(1940-2021, 6.75 in.), Montevallo (1893-2021; 4.65 in.), Sylacauga (1950-2021; 4.68 in.), Calera (1900-2021; 4.24 in.), and Walnut Grove (1941-2021; 3.58 in.).

Overall, as stated prior, the monthly rainfall was almost average, with 4.56 inches of rain falling across the state, being only 0.32 inches above the mean. Despite the rain on the 4th inundating central Alabama, the Foley 7.4 SW station in Baldwin County recorded the most rainfall for the month at 11.19 inches. However, Shelby County recorded the most rainfall for the month from the county perspective at 7.2 inches.

Temperature wise, the statewide average temperature was 1.5°F below the 20th century average. Unlike last month, no stations recorded freezing temperature but seven stations recorded 40°F or below with the stations in Rock Mills, AL and DeSoto State Park sharing the title of the lowest temperature of the month at 38°F. May can also be quite hot as Alabama experienced this year toward the end of the month. There were 66 stations across Alabama that recorded temperatures at or above 90°F at least once during the month of May. The title of the hottest temperature of month goes to Andalusia-Opp airport at 96°F on the 25th.

The "official" start of the Atlantic hurricane season starts with the end of May. This hurricane season is expected to be above normal according to NOAA Climate Prediction Center with 13-20 named storms, 6-10 hurricanes, and 3-5 major hurricanes (defined as Cat 3 or higher). This forecast is very similar to last year but experts do not expect another historic active season that was seen in 2020. Regardless of how much activity is predicted, all coastal residents/businesses should take proper precautions every season as it only takes one hurricane making landfall to make it an active season for them. More information on how to prepare here: https://www.ready.gov/hurricanes.

WWW.NSSTC.UAH.EDU/ALCLIMATEREPORT

Drought Monitor

U.S. Drought Monitor Alabama



June 1, 2021

(Released Thursday, Jun. 3, 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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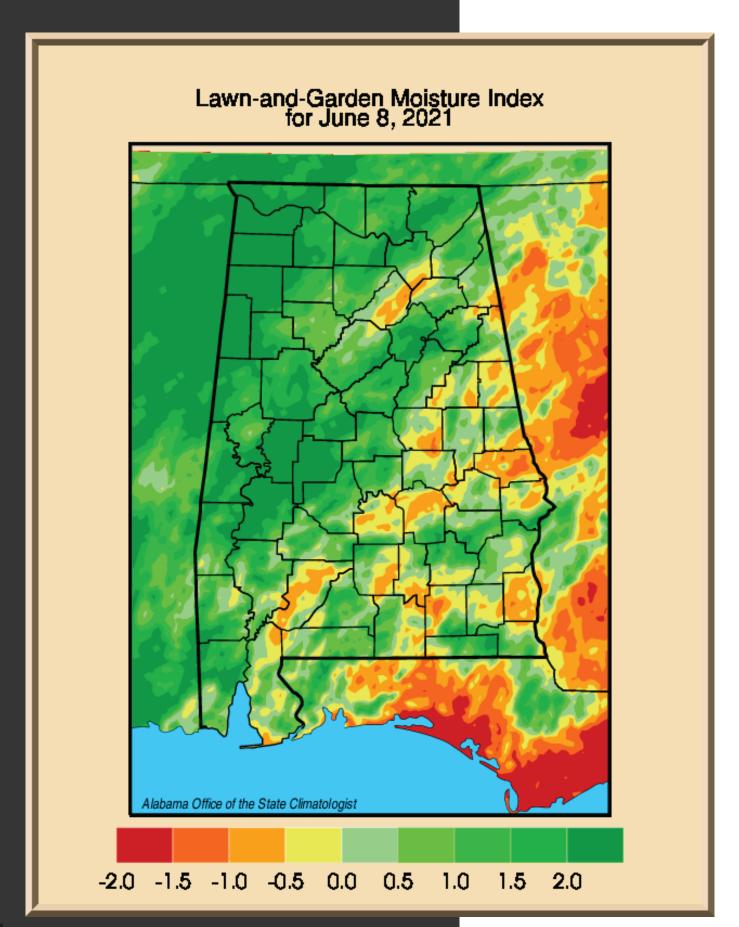






droughtmonitor.unl.edu

Lawn & Garden Index



и www.nsstc.uah.edu/alclimatereport

Alabama Monthly Climate Summaries

	Alabama Monthly Climate Summaries								
	May 2021								
	May Mean	May High Temp	May Low Temp	Total Precip.	Wettest May	Heaviest May			
	May Norm	Record High	Record Low	Normal Precip.	Driest May	Record May			
	69.1	91 5/24/21	45 5/8/21	6.16"	8.59" 1983	2.97" 5/4/21			
Anniston	69.4	98 5/16/62	34 5/13/60	4.16"	1.81" 1977	3.32" 5/19/83			
	76.7	88 5/9/21	62 5/1/21	1.96"	10.33" 1915	1.15" 5/4/21			
Auburn	71.7	98 5/27/1911	35 5/13/60	3.75"	.36" 1914	4.53" 5/7/15			
B	70.1	92 5/24/21	48 5/8/21	6.60"	9.57" 1983	3.60" 5/5/21			
Birmingham	70.4	99 5/28/62	36 5/4/71	4.83"	.88" 2000	3.85" 5/6/67			
D	70.5	89.8 5/25/21	48.8 5/8/21	4.41"	15.97" 1991	1.32" 5/4/21			
Brewton	70.9	100 5/26/33	34 5/4/71	5.56"	.85" 1988	5.00+ 5/10/95			
Calera	69.9	90 5/25/21	49 5/8/21	9.05"	9.99" 2003	6.93" 5/3/21			
Calera	69.5	98 5/21/62	31 5/13/60	4.02"	.34" 1977	3.65" 5/12/12			
Clanton	68.3	88.8 5/24/21	44.3 5/8/21	3.55"	13.26" 1991	1.45" 5/4/21			
Cianton	70.5	99+ 5/31/45	33 5/13/60	4.36"	.57" 1977	3.75" 5/20/46			
Courtland	66.5	89.4 5/25/21	42.6 5/14/21	2.91"	M	1.62" 5/4/21			
	M	M	M	M	M	М			
Cullman (St. Bernard)	64.7	87 5/24/21	41.3 5/14/21	4.00"	M	1.76" 5/4/21			
(-a bornara)	M	M	M	M	M	М			
Decatur (Pryor Field)	67.4	92 5/24/21	44 5/14/21	4.74"	8.44" 1907	2.16" 5/4/21			
Decata: (1.1ye. 1.1e.a)	70.2	100 3/31/14	34 5/2/1909	3.87"	.15" 1941	3.50" 5/29/1912			
Dothan	73	92 5/25/21	50 5/8/21	4.19"	8.73" 1947	1.95" 5/11/21			
	74.6	104 5/30/37	44 5/5/54	3.37"	.45" 1962	4.10" 5/12/1903			
Fairhope	71.4	85.7 5/26/21	50.9 5/8/21	5.48"	13.75" 1991	1.63" 5/4/21			
	73.3	98 5/27/53	43 5/13/60	5.60"	.31" 1988	6.54" 5/20/81			
Gadsden	64.5	86.8 5/25/21	32 5/3/21	5.75"	7.75" 1973	2.72" 5/4/21			
	68.4	99 5/24/70	33 5/13/60	4.59"	1.43" 2000	3.22" 5/22/67			
Gainesville Lock	68.7	88.1 5/27/21	50.3 5/15/21	5.07"	12.17" 1978	1.56" 5/4/21			
	70	97 5/31/77	38 5/5/86	4.43"	.12" 2000	5.12" 5/1/78			
Greensboro	69.1 71.9	88.4 5/25/21 98+ 5/24/96	47.6 5/8/21 37+ 5/10/66	2.93" 4.47"	10.30" 1991 .81" 1992	1.17" 5/4/21 4.10" 5/18/30			
	/ 1.9 M	M	M	M 4.47	8.31" 1973	4.10 5/16/30 M			
Guntersville	69.4	99 5/17/62	36 5/2/63	4.47"	1.07" 1982	4.73" 5/3/97			
	70	87.5 5/24/21	50.8 5/13/21	3.39"	9.61" 1976	1.17" 5/4/21			
Highland Home	70.7	98 5/22/62	40 5/13/81	4.05"	.44" 2000	4.46" 5/4/78			
	68	92 5/25/21	45 5/14/21	5.22"	11.88" 1983	3.25 6/4/21			
Huntsville	69.2	96 5/20/1960	36 5/3/71	5.04"	.78" 2007	4.64" 5/16/80			
	71.8	88 5/27/21	53 5/7/21	5.95"	15.08" 1980	1.99" 5/4/21			
Mobile	73.5	100+ 5/27/53	43 5/13/60	6.10"	.36" 1996	7.96" 5/5/81			
Mantramami	72.3	92 5/24/21	48 5/8/21	2.45"	12.01" 1978	.77" 5/3/21			
Montgomery	72.3	98 5/27/53	40 5/4/71	4.14"	.68" 1995	5.23" 5/9/78			
Muscle Shoals Airport	68.9	93 6/25/21	43 5/14/21	3.11"	11.86" 1983	1.98" 5/4/21			
Muscle Silvais Airport	68.8	99 5/29/41	36+ 5/4/71	5.30"	1.18" 1987	3.32" 5/17/80			
Russellville	64.8	88.1 5/25/21	39.3 5/7/21	3.70"	18.37" 1991	1.78" 5/4/21			
1.MOJGIIVIIIG	66.3	95+ 5/27/00	31+ 5/4/76	5.87"	.62" 1987	6.10" 5/8/84			
Scottsboro	65.2	88.6 5/25/21	41.9 5/14/21	3.75"	9.81" 1983	2.44" 5/4/21			
	68.1	97 5/29/41	32 5/4/71	5.02"	1.27" 1992	5.00" 5/3/97			
Selma	69.1	88.4 5/27/21	47.1 5/8/21	3.41"	9.01" 1991	1.17" 5/12/21			
	71.8	100 5/27/53	40 5/7/44	3.71"	.10" 1977	3.40" 5/4/57			
Talladega	67.7	90.1 5/25/21	43.3 5/8/21	5.26"	11.72" 1983	2.71" 5/4/21			
-	70	96+ 5/25/96	32 5/4/71	4.71"	1.55" 1995	5.22" 5/19/83			
Thomasville	69.2	88.7 5/27/21	47.4 5/8/21	3.32"	12.04" 1980	1.29" 5/4/21			
	72.1 72.5	99 5/31/37	36 5/13/60 47 5/8/21	4.75" 4.24"	.64" 1988	5.07" 5/1/40			
Troy	72.5 71.2	94 5/24/21 99 5/30/37	38 5/4/71	3.73"	9.57" 1976 .14" 1977	1.91" 5/27/21 4.65" 5/6/53			
	71.3	92 5/25/21	49 5/8/21	4.64"	11.13" 1976	2.76" 5/4/21			
Tuscaloosa	71.3	98 5/31/51	36 5/4/76	4.55"	.44" 2000	3.91" 5/1/58			
	64	87.6 5/25/21	40.1 5/14/21	5.40"	8.63" 1978	2.60" 5/4/21			
Valley Head		94+ 5/29/62	29+ 5/4/76		1.08" 1992				
	66.4	947 3/29/0Z	29+ 3/4//0	4.70"	1.00 1992	4.19" 5/3/97			

New Alabama Climate Records

Highest Precipitation for One Day Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
CAHABA PUMP HOUSE, AL US	5/5/21	5.6	5/16/83	4.5	39	1.1
CALERA, AL US	5/5/21	4.24	5/12/12	3.65	120	0.59
HOLT LOCK AND DAM, AL US	5/5/21	4.56	5/30/18	2.73	40	1.83
SYLACAUGA 4 NE, AL US	5/5/21	4.68	5/8/03	4.61	66	0.07
WALNUT GROVE, AL US	5/5/21	3.58	5/2/09	3.1	80	0.48
WEST BLOCTON, AL US	5/5/21	6.75	5/12/87	4.1	81	2.65
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Highest Maximum Temperature Daily Record						
BANKHEAD LOCK AND DAM, AL US	5/4/21	90	5/4/90	89	64	1
MONTGOMERY AIRPORT, AL US	5/4/21	91	5/4/59	90	73	1
HALEYVILLE, AL US	5/25/21	92	5/25/70	92	118	0
	0,10,11		5,25,15			
Highest Minimum Temperature Daily Record						
BESSEMER 3 WSW, AL US	5/3/21	67	5/3/12	66	44	1
THORSBY EXPERIMENTAL STATION, AL US	5/3/21	71	5/3/10	70	63	1
HUNTSVILLE INTNL AIRPORT, AL US	5/3/21	68	5/3/07	67	62	1
ANNISTON METROPOLITAN AIRPORT, AL US	5/3/21	68	5/3/58	68	118	0
MONTGOMERY AIRPORT, AL US	5/3/21	71	5/3/48	71	73	0
MUSCLE SHOALS AIRPORT, AL US	5/3/21	71	5/3/58	67	80	4
· ·				72	81	
ATMORE, AL US	5/4/21 5/4/21	75 69	5/4/02 5/4/19	66	64	3
BANKHEAD LOCK AND DAM, AL US						
BAY MINETTE, AL US	5/4/21	75	5/4/46	75	106	0
GENEVA NUMBER 2, AL US	5/4/21	73	5/4/02	70	45	3
GUNTERSVILLE, AL US	5/4/21	68	5/4/90	67	111	1
VERNON, AL US	5/4/21	68	5/4/19	66	64	2
BESSEMER 3 WSW, AL US	5/18/21	68	5/18/17	68	44	0
BESSEMER 3 WSW, AL US	5/19/21	69	5/19/13	69	44	0
TUSCALOOSA AIRPORT ASOS, AL US	5/19/21	71	5/19/13	71	73	0
BANKHEAD LOCK AND DAM, AL US	5/20/21	70	5/20/19	68	64	2
BESSEMER 3 WSW, AL US	5/20/21	69	5/20/00	68	44	1
SELMA, AL US	5/20/21	69	5/20/96	69	124	0
BANKHEAD LOCK AND DAM, AL US	5/21/21	69	5/21/19	68	64	1
Lowest Maximum Temperature Daily Record						
BREWTON 3 ENE, AL US	5/9/21	76	5/9/84	77	44	-1
VERNON, AL US	5/11/21	66	5/11/10	68	64	-2
GAINESVILLE LOCK, AL US	5/12/21	69	5/12/60	69	63	0
JACKSON, AL US	5/12/21	74	5/12/06	75	37	-1
HEFLIN, AL US	5/13/21	61	5/13/13	67	65	-6
OPELIKA, AL US	5/13/21	64	5/13/72	66	64	-2
SYLACAUGA 4 NE, AL US	5/13/21	69	5/13/71	69	66	0
DAUPHIN ISLAND NUMBER 2, AL US	5/14/21	73	5/14/13	75	45	-2
JACKSON, AL US	5/14/21	75	5/14/13	76	37	-1
DAUPHIN ISLAND NUMBER 2, AL US	5/15/21	74	5/15/76	75	45	-1
BANKHEAD LOCK AND DAM, AL US	5/30/21	70	5/30/05	70	64	0
MOULTON 2, AL US	5/30/21	61	5/30/84	69	64	-8
RUSSELLVILLE NUMBER 2, AL US	5/30/21	60	5/30/84	63	67	-3
Lowest Minimum Temperature Daily Record						
ROCK MILLS, AL US	5/8/21	38	5/8/84	38	79	0
FORT BENNING LAWSON FIELD, AL US	5/9/21	42	5/9/20	44	72	-1
MUSCLE SHOALS AIRPORT, AL US	5/14/21	43	5/14/73	43	80	0
GENEVA NUMBER 2, AL US	5/15/21	49	5/15/19	49	45	0
FORT BENNING LAWSON FIELD, AL US	5/30/21	53	5/30/65	56	72	-3
MOBILE DOWNTOWN AIRPORT, AL US	5/30/21	60	5/30/64	63	72	-3
FORT BENNING LAWSON FIELD, AL US	5/31/21	53	5/31/65	54	72	-1
MOBILE DOWNTOWN AIRPORT, AL US	5/31/21	61	5/31/65	61	72	0
	0,01,21	01	2/52/55	31	,,	3

Volunteer Precipitation Reports (CoCoRAHS)

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)							
May 2021							
	Ave. Total Precip.	# Stations		Ave. Total Precip.	#Stations	Normal May	Precipitation*
lutauga	4.41	1	Houston	6.12	1	Abbeville	3.82
Baldwin	6.87	29	Jackson	3.75	5	Alberta	3.92
Barbour	4.79	1	Jefferson	6.09	16	Alex City	4.33
Bibb	5.01	1	Lamar	5.65	1	Aliceville	4.60
Blount	5.01	1	Lauderdale	2.77	9	Andalusia	3.89
Bullock	n.a.	0	Lawrence	4.38	4	Ashland	4.00
Butler	1.47	1	Lee	3.89	7	Athens	5.16
Calhoun	7.26	1	Limestone	5.31	8	Bay Minette	5.81
Chambers	n.a.	0	Lowndes	n.a.	0	Bessemer	5.04
Cherokee	n.a.	0	Macon	n.a.	0	Billingsly	2.62
Chilton	3.38	1	Madison	4.83	24	Centreville	NSM 4.23
Choctaw	3.69	1	Marengo	n.a.	0	Chatom	5.79
Clarke	3.53	3	Marion	5.65	1	Claiborne L8	3.97
lay	n.a.	0	Marshall	4.49	10	Clayton	3.60
leburne	n.a.	0	Mobile	6.79	19	Dauphin Isl.	4.41
Coffee	n.a.	0	Monroe	2.80	2	Elba	4.42
Colbert	3.64	6	Montgomery	3.64	4	Eufaula WR	3.26
Conecuh	3.14	1	Morgan	4.05	7	Evergreen	4.52
Coosa	5.47	2	Perry	n.a.	0	Fayette	4.53
Covington	5.16	1	Pickens	n.a.	0	Geneva 2	3.68
renshaw	n.a.	0	Pike	n.a.	0	Greenville	3.94
Cullman	3.04	4	Randolph	4.56	1	Haleyville	6.22
)ale	4.73	1	Russell	3.50	2	Hamilton 3S	_
Dallas	2.70	1	St. Clair	7.23	5	Heflin	4.95
)eKalb	4.31	7	Shelby	7.55	15	Hurtsboro	3.63
Imore	6.20	6	Sumter	n.a.	0	Jasper	5.35
scambia	3.42	1	Talladega	7.43	4	Lafayette	4.27
towah	3.08	2	Tallapoosa	3.24	1	Livingston	4.92
ayette	5.63	0	Tuscaloosa	4.46	6 1	Melvin Milstead	5.37 4.04
ranklin Jeneva	n.a. 1.00	2.97	Washington	6.29 3.85	1	Moulton	5.65
reene	n.a.	0	Washington Wilcox	4.17	2	Oneonta	4.73
fale	n.a. n.a.	0	Winston	5.27	3	Perryville	3.67
lenry	n.a.	0	VVIIISCOII	3.27	3	Plantersville	
lelliy	11.a.	U				Rock Mills	3.46
						Rockford	4.19
						Sylacauga	4.26
						Union Spring	
						Uniontown	4.13
						Vernon	5.58
						Warrior L&D	
						Wetumpka	3.37
						**Ctailipka	3.57

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