



# The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist



## APRIL 2024



**UAH**  
THE UNIVERSITY OF  
ALABAMA IN HUNTSVILLE



# Volume 15, Number 12 :: April 2024



After a relatively calm March, from a severe weather perspective, the first 10 days of April brought tornadic weather in which, at this point, seven tornadoes were reported. The remainder of the month was fairly quiet, with only five preliminary reports of strong wind or hail. The seven tornadoes reported for April 2024 were considerably below the average of 14 for the state.

From a statewide temperature perspective, April's monthly average temperature was 1.4°F warmer than the long-term average of 62.8°F. April had multiple swings of warm and cold temperatures throughout the month, which is typical for spring in Alabama. During one of the warmer temperature swings, the Open Pond - FTS RAWs station recorded the warmest location of the month at 91°F on the 19th. Through one of the colder stretches, the Valley Head 1 SSW station recorded the coldest location of the month at 29°F on the 6th.

Due to the sporadic nature of spring-time storms in April, precipitation varied across the state, as seen in the figure below. Statewide, April was drier than normal, with 3.79 inches of rainfall, which was 1.02 inches below the long-term average of 4.81 inches. The Muscle Shoals 9.7 NNE station recorded the highest amount of rainfall for the month at 7.75 inches. In contrast, the Bessemer 3 WSW station recorded the least amount of rainfall at 1.65 inches, with no missing observations.

Following a wet March, April began with the entire state free of any drought or abnormal dryness. However, warmer and drier than normal conditions in April led to the emergence of abnormal dryness (D0) in parts of central and northeast Alabama (Figure 2). Despite the below-normal rainfall, farmers benefited, making great progress on spring planting and field preparation.

Looking ahead to summer (June, July, August), the Climate Prediction Center (CPC) forecasts a 40-50% chance of above-normal seasonal average temperatures across the entire state of Alabama. Precipitation is also forecasted to have a 40-50% chance of being above normal statewide. The following tables provide the normals for Alabama and its four major metropolitan areas, relative to the reference period of 1991-2020, for each summer month.

*Monthly summaries are provided by Dr. Rob Junod, Lee Ellenburg and John Christy.*

# April 2024



## Temperature Summary

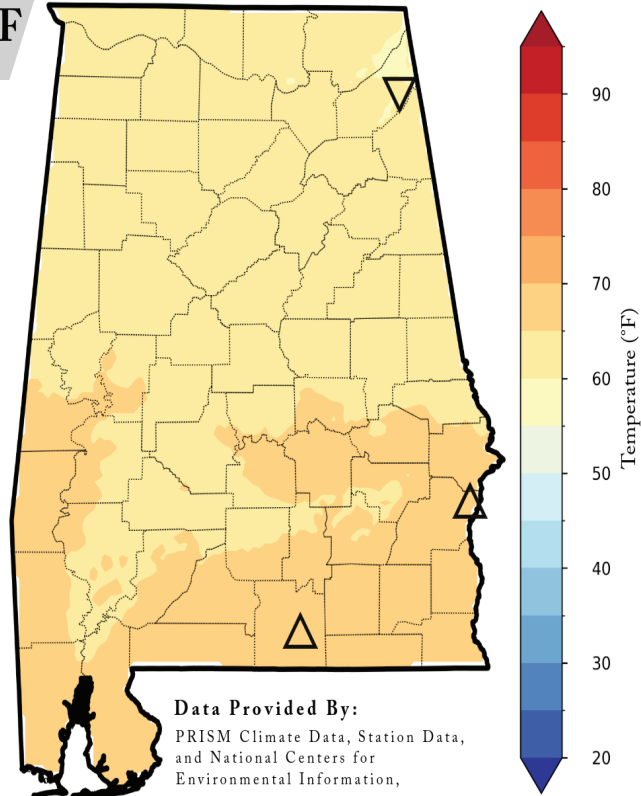
Monthly Average Temperature for April 2024

Preliminary Statewide  
Average Temperature **64.2°F**

1.4°F Above the Average

△ HOTTEST SITE  
**Open Pond - FTS**  
91°F on April 19

▽ COLDEST SITE  
**Valley Head 1 SSW**  
29°F on April 6



### Historical Perspective: 36th Warmest April Since 1895

Coldest on record

57.8°F

1983

2024

Hottest on record

68.0°F

1896

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# April 2024



## Precipitation Summary

Monthly Total Precipitation for April 2024

Preliminary Statewide  
Total Precipitation **3.79 "**

1.02" Below the Average

△ DRIEST SITE

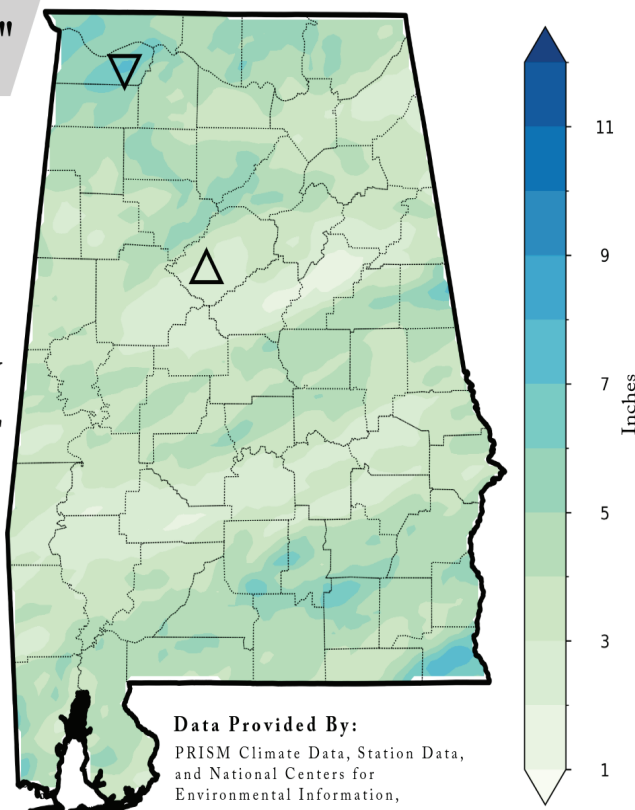
**Bessemer 3 WSW**

Total Precipitation: 1.65"

▽ WETTEST SITE

**Muscle Shoals  
9.7 NNE**

Total Precipitation: 7.75"



Data Provided By:  
PRISM Climate Data, Station Data,  
and National Centers for  
Environmental Information,

## Historical Perspective: 47th Driest April Since 1895

Driest on record

0.47"

1915

2024

Wettest on record

11.50"

1964

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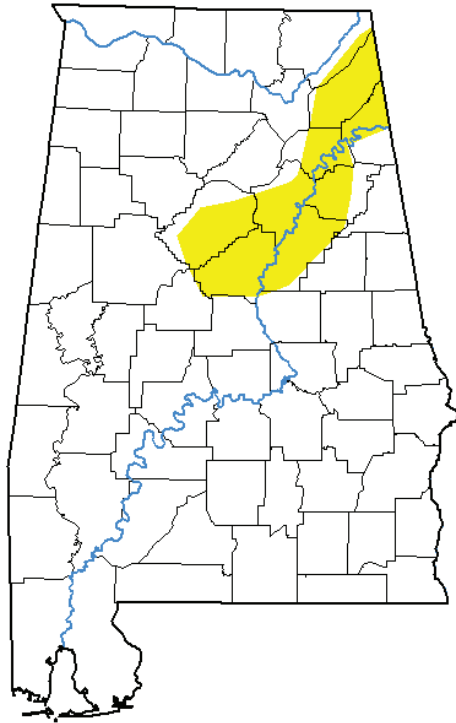
# DROUGHT MONITOR

## U.S. Drought Monitor Alabama







April 30, 2024

(Released Thursday, May. 2, 2024)

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>*

### Author:

Curtis Riganti  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# ALABAMA MONTHLY CLIMATE SUMMARIES

	Apr. Mean Apr. Norm	Apr. High Temp Record High	Apr. Low Temp Record Low	Total Precip. Normal Precip.	Wettest Apr. Driest Apr.	Heaviest Day Record Day
Anniston	63.4 62	85 4/26/24 93 4/17/55	35 4/6/24 26 4/17/1905	2.15" 4.87"	17.30" 1979 .17" 1986	.81" 4/8/24 6.15" 4/29/63
Auburn	M 64	M 94 4/30/42	M 27 4/13/40	M 4.92"	17.66" 1964 .50" 1915	M 5.15" 4/8/64
Birmingham	65.1 62.6	84 4/26/24 92 4/21/87	36 4/6/24 26 4/11/73	2.99" 4.67"	13.75" 1979 .42" 1986	1.15" 4/8/24 4.61" 4/12/79
Brewton	65.6 65.3	85.8 4/19/24 95 4/30/43	39.5 4/5/24 25 4/7/50	5.83" 4.50"	11.13" 1975 .50" 1981	4.81" 4/10/24 9.60" 4/14/55
Calera	64.3 62.4	86 4/26/24 90 4/24/60	39 4/6/24 25 4/11/73	1.98" 5.15"	18.32" 1979 .10" 1925	.56" 4/20/24 5.33" 4/13/79
Clanton	63.8 62.7	83.5 4/26/24 94 4/25/25	36.9 4/6/24 26 4/13/40	3.72" 5.43"	22.00" 1979 .12" 1986	1.49" 4/2/24 9.00" 4/8/38
Courtland	62.8 M	84.5 4/26/24 M	33.8 4/6/24 M	4.57" M	M M	1.61" 4/30/24 M
Cullman (St. Bernard)	61.2 M	82.8 4/26/24 M	31.7 4/6/24 M	4.67" M	M M	1.32" 4/17/24 M
Decatur (Pryor Field)	64.2 61.6	88 4/26/24 92 4/29/1899	33 4/6/24 26 4/6/1898	4.33" 4.50"	13.57" 1911 .58" 1930	1.99" 4/29/24 4.38" 4/6/1892
Dothan	68 67.3	87 4/26/24 95 4/30/42	43 4/5/24 31 4/13/40	3.40" 4.11"	10.32" 1944 .54" 1967	2.62" 4/10/24 4.25" 4/6/37
Fairhope	66.6 66.9	83.9 4/30/24 97 4/10/23	41.9 4/23/24 29 4/13/40	5.54" 4.53"	13.53" 1980 .11" 1999	3.74" 4/10/24 8.31" 4/15/96
Gadsden	60.6 61.6	79.9 4/16/24 94 4/30/15	32.5 4/6/24 24 4/7/52	3.79" 5.21"	12.65" 1979 .57" 1986	1.04" 4/17/24 4.60" 4/13/79
Gainesville Lock	64.5 63.3	84.3 4/26/24 92+ 4/28/87	39.3 4/4/24 29 4/1/87	3.41" 5.37"	18.41" 1979 .34" 1976	.94" 4/20/24 7.55" 4/13/79
Greensboro	54.7 64.4	84.8 4/26/24 97 4/25/16	38.8 4/5/24 28 4/13/40	3.67" 5.33"	12.37" 1979 .59" 1987	.79" 4/20/24 4.46" 4/5/56
Guntersville	M 59.2	M 94 4/26/86	M 25+ 4/3/92	M 4.81"	10.45" 1979 .77" 1986	M 5.01" 4/29/63
Highland Home	65.4 64.8	82.7 4/26/24 96 4/30/1906	40.7 4/4/24 24 4/4/87	4.88" 4.57"	14.00" 1964 .35" 1915	2.69" 4/10/24 7.57" 4/27/64
Huntsville	64 61.2	88 4/26/24 92 4/16/67	36 4/6/24 26 4/1/87	6.04" 4.86"	12.55" 1964 .42" 1986	3.51" 4/29/24 3.85" 4/5/83
Mobile	69.2 67.3	89 4/30/24 94 4/21/87	41 4/4/24 32 4/5/87	3.31" 5.70"	15.43" 1980 .08" 1999	2.53" 4/10/24 6.65" 4/5/57
Montgomery	66.2 64.8	87 4/26/24 91+ 4/5/88	39 4/5/24 28 4/1/87	2.63" 4.34"	15.64" 1964 .52" 1986	1.11" 4/10/24 4.54" 4/8/64
Muscle Shoals Airport	64.1 61.5	87 4/26/24 92 4/30/87	38 4/6/24 27 4/11/89	6.42" 4.43"	12.81" 1983 .36" 1986	2.08" 4/2/24 5.34" 4/5/83
Russellville	61.6 58	82.4 4/14/24 89+ 4/11/01	29.6 4/5/24 22 4/11/73	6.26" 4.97"	14.00" 1991 .57" 1986	1.84" 4/9/24 3.85" 4/6/83
Scottsboro	61.7 58.7	85.1 4/16/24 92 4/30/43	31.6 4/6/24 23+ 4/3/92	5.08" 4.52"	9.57" 2000 1.22" 1976	1.46" 4/30/24 3.72" 4/29/63
Selma	64.6 63.5	84.7 4/26/24 93+ 4/22/87	37.4 4/5/24 29 4/13/40	3.75" 4.33"	10.02" 1973 .22" 1986	1.34" 4/2/24 8.74" 4/8/38
Talladega	63.4 59.8	85.1 4/26/24 92 4/18/55	33.9 4/6/24 24+ 4/3/92	2.09" 4.80"	18.27" 1979 .35" 1986	.8" 4/9/24 5.72" 4/4/74
Thomasville	64.5 64.1	84 4/19/24 94 4/22/87	37.1 4/5/24 27 4/13/40	2.17" 4.64"	12.02" 1979 .49" 1987	1.18" 4/10/24 5.47" 4/3/79
Troy	65.3 63.4	86 4/26/24 94 4/30/42	38 4/6/24 29 4/13/40	4.28" 4.25"	8.41" 1979 .73" 1986	2.26" 4/3/23 4.52" 4/15/34
Tuscaloosa	64.9 63.9	86 4/26/24 94 4/21/87	39 4/6/24 29 4/1/87	2.69" 5.10"	14.41" 1979 .30" 1987	.79" 4/20/24 6.44" 4/12/79
Valley Head	60.4 55.9	84.2 4/16/24 88+ 4/27/86	29 4/6/24 19 4/3/92	2.56" 4.73"	10.08" 1979 1.10" 1976	.89" 4/9/24 4.18" 4/30/63

# NEW ALABAMA CLIMATE RECORDS

NO MONTHLY WEATHER RECORDS FOR APRIL 2024						
Highest Maximum Temperature Daily Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
TALLADEGA, AL US	4/1/24	87	4/1/40	87	130	0
Highest Minimum Temperature Daily Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
ATHENS, AL US	4/1/24	65	4/1/07	63	32	2
RUSSELLVILLE NUMBER 2, AL US	4/1/24	64	4/1/07	61	70	3
HUNTSVILLE INTNL AIRPORT, AL US	4/1/24	65	4/1/07	63	65	2
BIRMINGHAM AIRPORT, AL US	4/1/24	66	4/1/07	66	94	0
MUSCLE SHOALS AIRPORT, AL US	4/1/24	68	4/1/06	63	83	5
TUSCALOOSA AIRPORT ASOS, AL US	4/1/24	66	4/1/07	66	76	0
BANKHEAD LOCK AND DAM, AL US	4/2/24	64	4/2/88	62	67	2
BAY MINETTE, AL US	4/2/24	68	4/2/07	68	109	0
BELLE MINA 2 N, AL US	4/2/24	65	4/2/88	60	74	5
BESSEMER 3 WSW, AL US	4/2/24	68	4/2/06	65	47	3
BREWTON 3 ENE, AL US	4/2/24	67	4/2/12	65	47	2
CLANTON, AL US	4/2/24	65	4/2/08	65	130	0
CLAYTON, AL US	4/2/24	64	4/2/00	64	68	0
DEMOPOLIS LOCK AND DAM, AL US	4/2/24	66	4/2/07	64	72	2
FAYETTE, AL US	4/2/24	67	4/2/07	66	115	1
GADSDEN, AL US	4/2/24	64	4/2/07	63	71	1
HEFLIN, AL US	4/2/24	62	4/2/07	61	68	1
MARION JUNCTION 2 NE, AL US	4/2/24	66	4/2/12	65	74	1
MOULTON 2, AL US	4/2/24	61	4/2/88	61	67	0
ONEONTA, AL US	4/2/24	65	4/2/07	63	129	2
SCOTTSBORO, AL US	4/2/24	63	4/2/07	63	132	0
SYLACAUGA 4 NE, AL US	4/2/24	64	4/2/88	62	69	2
TALLADEGA, AL US	4/2/24	65	4/2/07	63	130	2
VERNON, AL US	4/2/24	66	4/2/07	65	67	1
MOBILE DOWNTOWN AIRPORT, AL US	4/2/24	71	4/2/00	70	75	1
ANNISTON METROPOLITAN AIRPORT, AL US	4/2/24	68	4/2/00	62	121	6
BIRMINGHAM AIRPORT, AL US	4/2/24	67	4/2/12	66	94	1
BESSEMER 3 WSW, AL US	4/17/24	64	4/17/13	64	47	0
HAMILTON, AL US	4/17/24	61	4/17/82	61	62	0
MOBILE DOWNTOWN AIRPORT, AL US	4/17/24	70	4/17/15	70	75	0
ATHENS, AL US	4/18/24	65	4/18/13	65	32	0
GAINESVILLE LOCK, AL US	4/18/24	66	4/18/13	65	66	1
GREENSBORO, AL US	4/18/24	69	4/18/20	68	132	1
RUSSELLVILLE NUMBER 2, AL US	4/18/24	65	4/18/13	65	70	0
WINFIELD 2 SW, AL US	4/18/24	63	4/18/13	63	48	0
MOBILE REGIONAL AIRPORT, AL US	4/18/24	69	4/18/67	69	76	0
MONTGOMERY AIRPORT, AL US	4/18/24	65	4/18/67	65	76	0
TUSCALOOSA AIRPORT ASOS, AL US	4/18/24	64	4/18/13	64	76	0
BELLE MINA 2 N, AL US	4/19/24	64	4/19/17	63	74	1
BESSEMER 3 WSW, AL US	4/19/24	64	4/19/06	63	47	1
SCOTTSBORO, AL US	4/19/24	62	4/19/17	62	132	0
CLAYTON, AL US	4/20/24	65	4/20/57	65	68	0
HEFLIN, AL US	4/20/24	62	4/20/92	62	68	0
ATHENS, AL US	4/27/24	66	4/27/12	65	32	1
BESSEMER 3 WSW, AL US	4/27/24	65	4/27/91	64	47	1
ONEONTA, AL US	4/27/24	64	4/27/00	63	129	1
HUNTSVILLE INTNL AIRPORT, AL US	4/27/24	67	4/27/85	66	65	1
ANNISTON METROPOLITAN AIRPORT, AL US	4/27/24	66	4/27/85	65	121	1
BIRMINGHAM AIRPORT, AL US	4/27/24	69	4/27/16	66	94	3
Lowest Maximum Temperature Daily Record						
GENEVA NUMBER 2, AL US	4/22/24	67	4/22/93	68	48	-1
JACKSON, AL US	4/22/24	66	4/22/98	67	40	-1
LAFAYETTE 2 W, AL US	4/22/24	55	4/22/21	59	79	-4
BREWTON 3 ENE, AL US	4/23/24	64	4/23/93	68	47	-4
Lowest Minimum Temperature Daily Record						
MOBILE DOWNTOWN AIRPORT, AL US	4/23/24	45	4/23/98	48	75	-3



# CoCoRAHS

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)								
April 2024								
	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations	Normal March Precipitation*	
Autauga	3.06	1		Houston	5.83	3	Abbeville	4.08
Baldwin	4.47	37		Jackson	4.87	6	Alberta	4.89
Barbour	4.63	2		Jefferson	2.95	16	Alex City	4.56
Bibb	n.a.	0		Lamar	3.07	1	Aliceville	5.26
Blount	3.64	6		Lauderdale	5.80	8	Andalusia	4.88
Bullock	n.a.	0		Lawrence	3.88	4	Ashland	4.64
Butler	2.25	3		Lee	3.01	5	Athens	4.53
Calhoun	3.01	3		Limestone	5.31	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	3.77	1		Madison	4.97	28	Centreville WSMC	5.02
Choctaw	2.07	2		Marengo	n.a.	0	Chatom	5.01
Clarke	0.18	2		Marion	4.06	1	Claiborne L&D	4.29
Clay	5.46	1		Marshall	3.11	11	Clayton	4.25
Cleburne	n.a.	0		Mobile	3.77	25	Dauphin Isl.	4.31
Coffee	n.a.	0		Monroe	4.63	4	Elba	4.52
Colbert	6.11	6		Montgomery	2.68	4	Eufaula WR	3.56
Conecuh	n.a.	0		Morgan	4.26	9	Evergreen	4.51
Coosa	n.a.	0		Perry	n.a.	0	Fayette	5.57
Covington	6.35	1		Pickens	n.a.	0	Geneva 2	3.92
Crenshaw	n.a.	0		Pike	n.a.	0	Greenville	4.71
Cullman	4.72	4		Randolph	5.25	2	Haleyville	5.48
Dale	n.a.	0		Russell	2.97	1	Hamilton 3S	5.89
Dallas	5.14	1		St. Clair	3.25	7	Heflin	5.26
DeKalb	3.77	7		Shelby	2.46	18	Hurtsboro	3.92
Elmore	3.29	6		Sumter	n.a.	0	Jasper	5.59
Escambia	5.65	2		Talladega	3.45	2	Lafayette	5.15
Etowah	4.35	2		Tallapoosa	3.66	1	Livingston	5.10
Fayette	4.66	1		Tuscaloosa	3.30	5	Melvin	5.38
Franklin	n.a.	0		Walker	5.13	2	Milstead	4.59
Geneva	4.56	1		Washington	2.95	1	Moulton	5.16
Greene	n.a.	0		Wilcox	2.30	2	Oneonta	5.01
Hale	n.a.	0		Winston	4.99	4	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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