

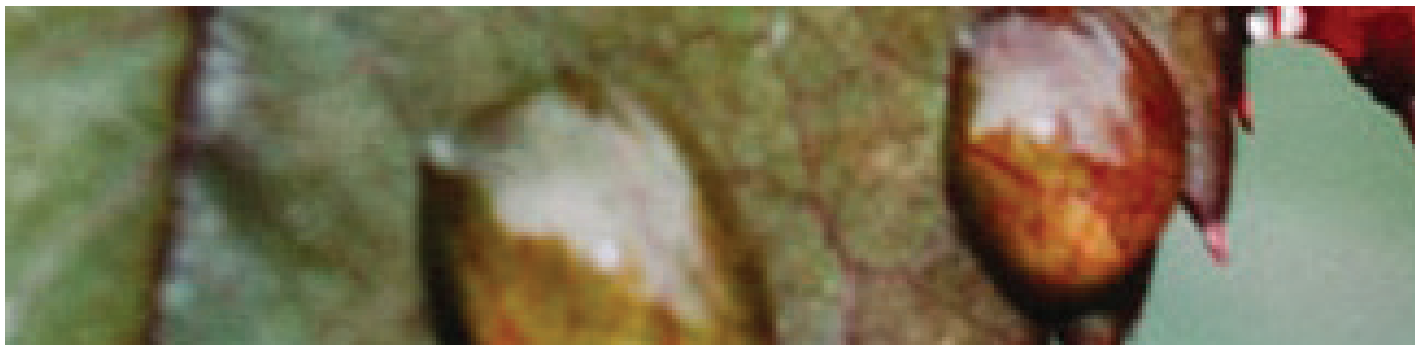
A close-up photograph of rose leaves with several water droplets resting on their surfaces. The leaves are green with some reddish-brown edges, and the background is dark and out of focus.

The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

JULY 2021

Volume 13, Number 4 :: July 2021



The cooler and wetter than normal conditions that Alabama experienced over the past three months continued for July statewide. July averaged 0.5 degrees cooler than normal with respect to the average temperature and 1.88 inches wetter than normal. However, what was truly remarkable this month was the frequency of measurable rain for most of the state.

Unlike the previous month where the majority of the rainfall for much of the state was due to tropical storm Claudette over a few days, the rainfall was spread out throughout the month of July. In fact, 182 out of the 254 valid stations (no more than 5 days missing data) recorded measurable rain (at least 0.01 inches) for over half the month. Two stations (Gadsden 19 N and Cullman 7.5 SW) recorded measurable rainfall for 28 out of the 31 days this month! Numerous July rainfall records were set with increased frequency of rainfall. One notable July record was set at Bella Mina 2N station (73 years of observations) at 12.16 inches of rainfall.

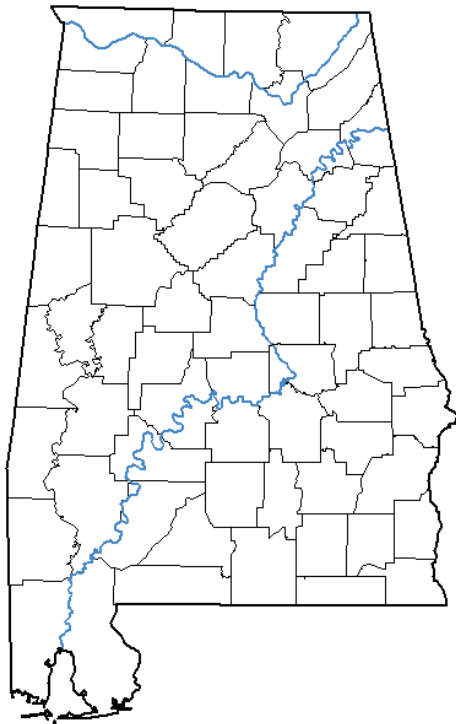
With the majority of state experiencing a high frequency of rainfall, much of the state also experience a cooler than normal July. The cooler than normal conditions are especially prevalent in the average daily high temperatures for July. Statewide, the average daily high temperature was 2.5°F below normal. Several stations recorded their lowest average daily high temperature in July, with many stations also recording their daily low high temperature as well. While most of the month was inundated by rainfall, the last week of July brought about mostly sunny, hot, and very humid conditions for most of the state thanks to a Bermuda high pressure system off the Atlantic coastline. The Andalusia Opp Airport station recorded the hottest spot of the month at 100°F during this week as well. It is also the only station to reach the 100°F this year so far.

As we enter August, the peak of the hurricane season is just around the corner (mid-August to late September). It is important to be prepared and to stay weather aware especially all coastal residents/businesses. More information on how to prepare here: <https://www.ready.gov/hurricanes>.







Drought Monitor

U.S. Drought Monitor Alabama

August 3, 2021
(Released Thursday, Aug. 5, 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>

Author:

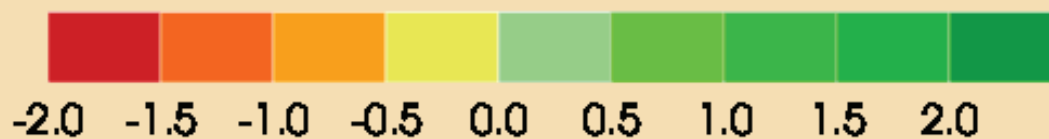
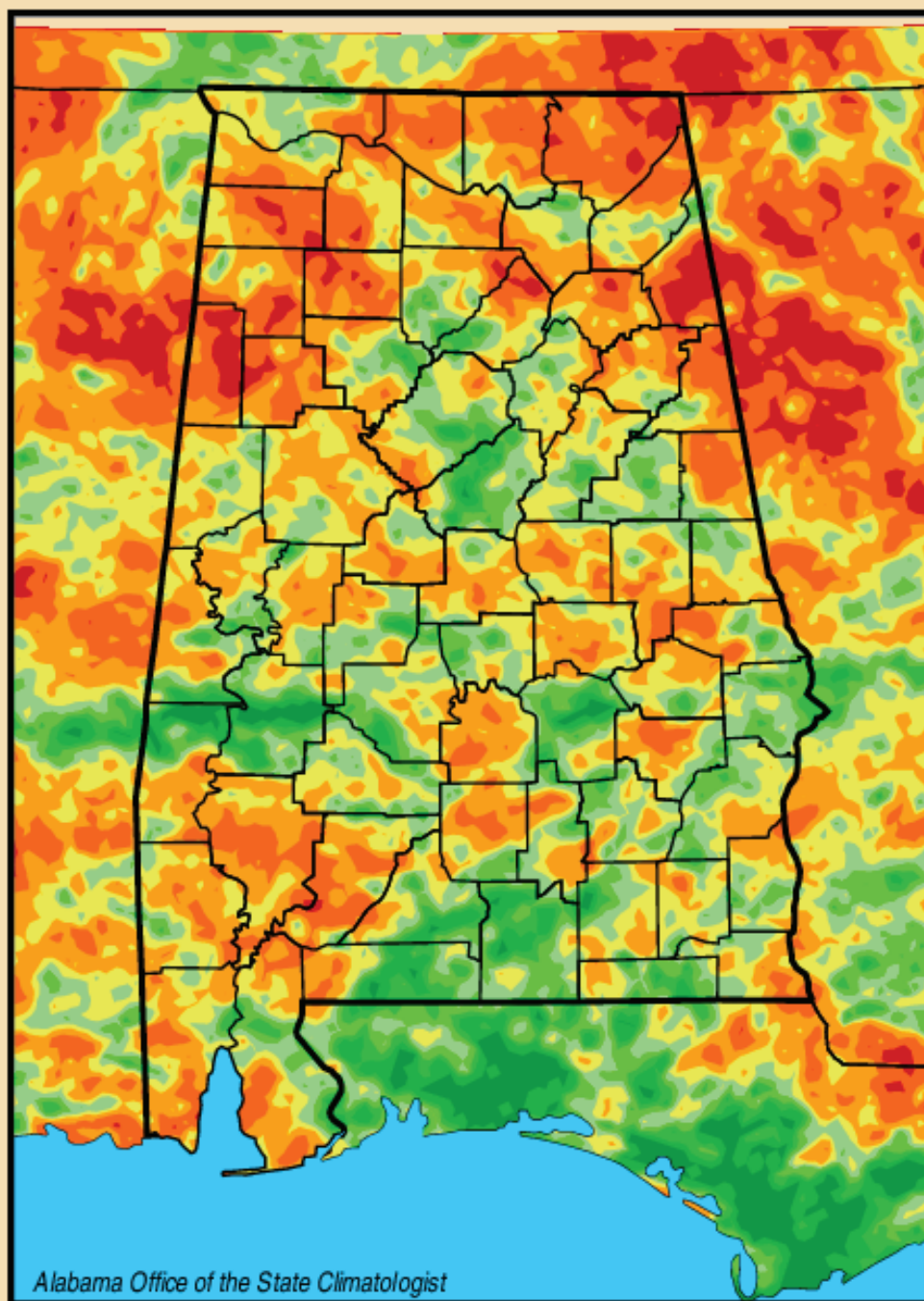
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Lawn & Garden Index

Lawn-and-Garden Moisture Index
for August 9, 2021



Alabama Monthly Climate Summaries

Alabama Monthly Climate Summaries

July 2021

	July Mean July Norm	July High Temp Record High	July Low Temp Record Low	Total Precip. Normal Precip.	Wettest July Driest July	Heaviest July Record July
Anniston	79.7 80.1	94 7/29/21 105 7/13/80	59 7/4/21 50 7/15/67	5.13" 4.49"	12.21" 1975 .79" 1983	1.86" 7/7/21 5.13" 7/7/75
Auburn	79.1 79.9	95 7/29/21 108 7/11/30	65 7/4/21 52 7/15/67	3.69" 5.37"	15.73" 1916 1.39" 1914	.95" 7/18/21 7.00" 7/10/48
Birmingham	80.4 80.2	95 7/28/21 107 7/29/30	61 7/4/21 51 7/15/67	8.66" 5.09"	10.07" 1985 .30" 1983	2.27" 7/18/21 5.47" 7/27/85
Brewton	77.2 80.1	92.4 7/29/21 106 7/24/52	67.1 7/13/21 51 7/15/67	11.92" 7.04"	19.08" 1975 1.66" 2000	2.29" 7/31/21 7.88" 7/31/75
Calera	79.4 79.3	93 7/31/21 105 7/7/77	62 7/4/21 50 7/15/67	11.82" 5.36"	18.52" 1916 .42" 1983	1.70" 7/7/21 7.00" 7/7/1916
Clanton	76.9 79.2	92.9 7/31/21 108+ 7/26/52	60.6 7/4/21 53 7/15/67	4.18" 5.76"	13.97" 1971 1.29" 1995	1.30" 7/6/21 7.14" 7/4/40
Courtland	77.3 M	93.2 7/30/21 M	58.7 7/4/21 M	7.50" M	M M	2.20" 7/17/21 M
Cullman (St. Bernard)	75 M	91.1 7/29/21 M	56.9 7/4/21 M	10.46" 4.44"	M M	1.91" 7/11/21 M
Decatur (Pryor Field)	78.3 80.5	94 7/30/21 107 7/12/1901	57 7/4/21 38 7/8/34	8.81" 4.22"	10.89" 1958 .67" 1962	3.09" 7/18/21 4.65" 7/16/50
Dothan	81.1 81.3	96 7/29/21 103 7/24/52	70 7/4/21 57 7/5/1902	7.76" 5.86"	12.73" 1948 2.12" 1903	1.22" 7/7/21 6.73" 7/9/48
Fairhope	79.2 81.5	92.5 7/24/21 101 7/16/80	68.8 7/13/21 59 7/16/67	7.09" 8.00"	13.41" 1985 .82" 1983	1.63" 7/20/21 14.52" 7/20/97
Gadsden	74.5 79.8	89.5 7/29/21 103+ 7/15/66	56.9 7/4/21 52 7/11/63	8.91" 4.47"	13.41" 1985 .79" 1980	1.83" 7/11/21 3.36" 7/9/58
Gainesville Lock	78 80.8	94.1 7/31/21 105+ 7/15/80	63.6 7/4/21 55 7/15/67	5.72" 2.91"	8.11" 1992 .37" 1990	2.36" 7/10/21 4.12" 8/10/70
Greensboro	77.4 81.9	92 7/29/21 107+ 7/16/80	62.2 7/4/21 56 7/23/47	5.78" 5.38"	11.03" 1985 1.19" 2000	1.42" 7/12/21 3.90" 7/18/36
Guntersville	M 79.1	M 106 7/17/80	M 47 7/1/70	M 4.28"	13.09" 1985 1.26" 1980	M 6.30" 7/9/46
Highland Home	77.1 79.6	92.9 7/31/21 105 7/15/80	66.7 7/12/21 54 7/15/67	5.06" 4.93"	10.79" 1994 1.19" 1978	2.17" 7/12/21 3.15" 7/8/48
Huntsville	79.6 79.5	95 7/29/21 104 7/14/66	59 7/4/21 53 7/15/67	9.08" 4.50"	14.81" 1967 .79" 1983	2.30" 7/19/21 4.81" 7/5/2001
Mobile	80.7 81.5	95 7/29/21 104 7/25/52	69 7/13/21 62+ 7/16/67	8.05" 6.54"	13.14" 1982 1.72" 1983	1.53" 7/19/21 4.21" 7/18/69
Montgomery	81.4 81.8	97 7/29/21 105+ 7/25/52	66 7/4/21 60 7/11/50	4.60" 5.31"	9.99" 1988 1.69" 2000	1.53" 7/20/21 3.84" 7/14/73
Muscle Shoals Airport	81.5 80.2	97 7/30/21 106+ 6/29/52	62 7/4/21 53+ 6/7/72	4.49" 4.52"	14.40" 1975 .92" 1977	.98" 7/10/21 5.60" 7/28/72
Russellville	75.9 78	91.4 7/31/21 103 7/18/80	54.8 7/4/21 45 7/8/70	4.67" 4.65"	10.82" 1994 1.27" 1978	2.24" 7/7/21 3.10" 7/24/63
Scottsboro	75.7 78.6	91.7 7/30/21 109 7/13/30	55.9 7/4/21 49+ 7/10/63	6.74" 4.53"	7.59" 1984 1.32" 1980	1.12" 7/19/21 3.43" 7/22/41
Selma	77.6 81.5	94 7/29/21 107+ 7/14/80	63 7/4/21 57 7/15/67	7.95" 4.28"	8.45" 1994 1.11" 2000	1.35" 7/6/21 3.96" 7/7/94
Talladega	76.7 78.2	93.1 7/31/21 107+ 7/17/80	57.8 7/4/21 51+ 7/6/72	4.81" 4.75"	9.11" 1985 1.40" 1991	1.30" 7/19/21 3.05" 7/8/58
Thomasville	76.9 81.4	92.9 7/29/21 107 7/13/30	65.8 7/13/21 56 7/15/67	6.17" 6.05"	15.91" 1988 .69" 2000	1.50" 7/2/21 5.52" 7/6/88
Troy	82.3 80.5	98 7/31/21 107 7/7/36	67 7/4/21 56 7/15/67	3.74" 5.80"	15.59" 1994 1.66" 2000	.49" 7/22/21 4.55" 7/1/64
Tuscaloosa	81.1 81.8	96 7/28/21 107 7/24/52	63 7/4/21 54 7/11/50	8.36" 5.00"	12.27" 1997 .72" 1970	1.45" 7/22/21 4.57" 7/21/97
Valley Head	73.9 76.2	90.6 7/29/21 105+ 7/29/52	53.3 7/4/21 45 7/15/67	5.30" 5.18"	11.74" 1976 .94" 1987	1.25" 7/9/21 4.52" 7/5/76

New Alabama Climate Records

No monthly records were set in July 2021						
Highest Minimum Temperature Daily Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
ATMORE, AL US	7/25/21	76	7/25/04	76	81	0
BIRMINGHAM AIRPORT, AL US	7/25/21	76	7/25/12	76	91	0
BREWTON 3 ENE, AL US	7/26/21	73	7/26/12	73	44	0
DAUPHIN ISLAND NUMBER 2, AL US	7/26/21	83	7/26/10	83	45	0
ANNISTON METROPOLITAN AIRPORT, AL US	7/26/21	75	7/26/16	74	118	1
ATMORE, AL US	7/27/21	77	7/27/18	77	81	0
BANKHEAD LOCK AND DAM, AL US	7/27/21	76	7/27/17	76	64	0
DAUPHIN ISLAND NUMBER 2, AL US	7/27/21	83	7/27/05	83	45	0
MARION JUNCTION 2 NE, AL US	7/27/21	77	7/27/05	76	71	1
ROCK MILLS, AL US	7/27/21	73	7/27/05	73	79	0
SELMA, AL US	7/27/21	78	7/27/81	78	124	0
BANKHEAD LOCK AND DAM, AL US	7/28/21	75	7/28/10	75	64	0
DAUPHIN ISLAND NUMBER 2, AL US	7/28/21	83	7/28/18	83	45	0
HEADLAND, AL US	7/28/21	75	7/28/17	74	71	1
JACKSON, AL US	7/28/21	74	7/28/14	74	37	0
MUSCLE SHOALS AIRPORT, AL US	7/28/21	76	7/28/06	76	80	0
TUSCALOOSA AIRPORT ASOS, AL US	7/29/21	76	7/29/12	76	73	0
ATMORE, AL US	7/30/21	77	7/30/15	77	81	0
SELMA, AL US	7/30/21	77	7/30/99	77	124	0
MUSCLE SHOALS AIRPORT, AL US	7/30/21	76	7/30/20	76	80	0
ATMORE, AL US	7/31/21	77	7/31/10	77	81	0
BANKHEAD LOCK AND DAM, AL US	7/31/21	75	7/31/08	75	64	0
BAY MINETTE, AL US	7/31/21	78	7/31/13	78	106	0
ROCK MILLS, AL US	7/31/21	73	7/31/11	72	79	1
SELMA, AL US	7/31/21	78	7/31/17	77	124	1
MUSCLE SHOALS AIRPORT, AL US	7/31/21	76	7/31/11	76	80	0
TUSCALOOSA AIRPORT ASOS, AL US	7/31/21	77	7/31/80	77	73	0
Lowest Maximum Temperature Daily Record						
MOBILE REGIONAL AIRPORT, AL US	7/1/21	83	7/1/10	84	73	-1
SELMA, AL US	7/3/21	81	7/3/81	81	124	0
THORSBY EXPERIMENTAL STATION, AL US	7/4/21	84	7/4/15	84	63	0
GADSDEN, AL US	7/7/21	80	7/7/67	80	68	0
HUNTSVILLE INTNL AIRPORT, AL US	7/7/21	78	7/7/79	80	62	-2
MOULTON 2, AL US	7/8/21	75	7/8/58	77	64	-2
BELLE MINA 2 N, AL US	7/8/21	75	7/8/58	77	71	-2
BRIDGEPORT 5 NW, AL US	7/10/21	80	7/10/68	80	65	0
GENEVA NUMBER 2, AL US	7/10/21	85	7/10/79	86	45	-1
OPELIKA, AL US	7/13/21	82	7/13/02	82	64	0
HALEYVILLE, AL US	7/13/21	80	7/13/61	80	118	0
GADSDEN, AL US	7/19/21	79	7/19/09	80	68	-1
BANKHEAD LOCK AND DAM, AL US	7/19/21	82	7/19/14	85	64	-3
HALEYVILLE, AL US	7/19/21	79	7/19/47	80	118	-1
BIRMINGHAM AIRPORT, AL US	7/19/21	81	7/19/09	81	91	0
MONTGOMERY AIRPORT, AL US	7/19/21	83	7/19/09	85	73	-2
BANKHEAD LOCK AND DAM, AL US	7/20/21	81	7/20/09	81	64	0
BELLE MINA 2 N, AL US	7/20/21	79	7/20/09	80	71	-1
GENEVA NUMBER 2, AL US	7/20/21	76	7/20/90	80	45	-4
MARION JUNCTION 2 NE, AL US	7/20/21	82	7/20/77	82	71	0
MARION JUNCTION 2 NE, AL US	7/21/21	81	7/21/71	81	71	0
GENEVA NUMBER 2, AL US	7/21/21	81	7/21/79	83	45	-2
THORSBY EXPERIMENTAL STATION, AL US	7/23/21	80	7/23/97	81	63	-1

New Alabama Climate Records

HUNTSVILLE INTNL AIRPORT, AL US	7/7/21	78	7/7/79	80	62	-2
MOULTON 2, AL US	7/8/21	75	7/8/58	77	64	-2
BELLE MINA 2 N, AL US	7/8/21	75	7/8/58	77	71	-2
BRIDGEPORT 5 NW, AL US	7/10/21	80	7/10/68	80	65	0
GENEVA NUMBER 2, AL US	7/10/21	85	7/10/79	86	45	-1
OPELIKA, AL US	7/13/21	82	7/13/02	82	64	0
HALEYVILLE, AL US	7/13/21	80	7/13/61	80	118	0
GADSDEN, AL US	7/19/21	79	7/19/09	80	68	-1
BANKHEAD LOCK AND DAM, AL US	7/19/21	82	7/19/14	85	64	-3
HALEYVILLE, AL US	7/19/21	79	7/19/47	80	118	-1
BIRMINGHAM AIRPORT, AL US	7/19/21	81	7/19/09	81	91	0
MONTGOMERY AIRPORT, AL US	7/19/21	83	7/19/09	85	73	-2
BANKHEAD LOCK AND DAM, AL US	7/20/21	81	7/20/09	81	64	0
BELLE MINA 2 N, AL US	7/20/21	79	7/20/09	80	71	-1
GENEVA NUMBER 2, AL US	7/20/21	76	7/20/90	80	45	-4
MARION JUNCTION 2 NE, AL US	7/20/21	82	7/20/77	82	71	0
MARION JUNCTION 2 NE, AL US	7/21/21	81	7/21/71	81	71	0
GENEVA NUMBER 2, AL US	7/21/21	81	7/21/79	83	45	-2
THORSBY EXPERIMENTAL STATION, AL US	7/23/21	80	7/23/97	81	63	-1
Lowest Minimum Temperature Daily Record						
HUNTSVILLE INTNL AIRPORT, AL US	7/3/21	63	7/3/08	63	62	0
BESSEMER 3 WSW, AL US	7/12/21	57	7/12/85	65	44	-8
Highest Precipitation Daily Record						
MOULTON 2, AL US	7/2/21	2.3	7/2/83	1.93	64	0.37
DAUPHIN ISLAND NUMBER 2, AL US	7/4/21	1.37	7/4/93	1	45	0.37
HALEYVILLE, AL US	7/7/21	3.8	7/7/67	1.83	118	1.97
CAHABA PUMP HOUSE, AL US	7/7/21	2.1	7/7/84	1.5	39	0.6
BEVILL LOCK AND DAM, AL US	7/7/21	1.35	7/7/94	1.33	41	0.02
RUSSELLVILLE NUMBER 2, AL US	7/8/21	2.95	7/8/96	2.56	67	0.39
MARION JUNCTION 2 NE, AL US	7/10/21	0.93	7/10/98	0.7	71	0.23
BILLINGSLEY, AL US	7/10/21	1.8	7/10/07	0.8	82	1
ATHENS, AL US	7/11/21	2	7/11/49	0.86	80	1.14
JACKSON, AL US	7/13/21	1.95	7/13/68	1.5	59	0.45
OPELIKA, AL US	7/13/21	1.57	7/13/79	1.17	64	0.4
CAHABA PUMP HOUSE, AL US	7/18/21	1.01	7/18/17	0.48	39	0.53
BELLE MINA 2 N, AL US	7/19/21	3.45	7/19/14	2.19	71	1.26
HUNTSVILLE INTNL AIRPORT, AL US	7/19/21	2.3	7/19/66	1.19	62	1.11
TALLADEGA, AL US	7/19/21	2.55	7/19/08	0.9	133	1.65
BESSEMER 3 WSW, AL US	7/19/21	3	7/19/89	0.3	44	2.7
HOLT LOCK AND DAM, AL US	7/19/21	1.57	7/19/92	0.75	40	0.82
ADDISON, AL US	7/19/21	1.63	7/19/14	1.24	83	0.39
TUSCALOOSA AIRPORT ASOS, AL US	7/19/21	1.09	7/19/81	0.71	73	0.38
CAHABA PUMP HOUSE, AL US	7/19/21	1.44	7/19/89	0.41	39	1.03
BIRMINGHAM AIRPORT, AL US	7/19/21	2.24	7/19/38	0.9	91	1.34
WETUMPKA, AL US	7/20/21	1.31	7/20/03	1.14	127	0.17
BELLE MINA 2 N, AL US	7/20/21	2.53	7/20/70	1.57	71	0.96
WALNUT GROVE, AL US	7/20/21	1.85	7/20/05	1	80	0.85
BANKHEAD LOCK AND DAM, AL US	7/20/21	1.99	7/20/05	1.01	64	0.98
CAHABA PUMP HOUSE, AL US	7/20/21	2.3	7/20/82	1.33	39	0.97
ROCK MILLS, AL US	7/21/21	1.69	7/21/00	1.63	83	0.06
JACKSON, AL US	7/21/21	2.18	7/21/88	1.56	59	0.62
GADSDEN, AL US	7/27/21	2.61	7/27/85	2.11	68	0.5
EUFAULA WILDLIFE REF, AL US	7/28/21	3.08	7/28/77	2	54	1.08

Volunteer Precipitation Reports (CoCoRAHS)

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)									
June 2021									
	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations		Normal June Precipitation*	
Autauga	7.52	1		Houston	10.56	2		Abbeville	5.20
Baldwin	9.40	32		Jackson	5.99	4		Alberta	4.36
Barbour	6.28	1		Jefferson	9.21	19		Alex City	4.45
Bibb	8.77	1		Lamar	12.34	1		Aliceville	4.88
Blount	10.03	5		Lauderdale	7.42	8		Andalusia	5.30
Bullock	n.a.	1		Lawrence	7.38	4		Ashland	4.35
Butler	5.03	1		Lee	5.69	7		Athens	4.69
Calhoun	11.15	2		Limestone	5.60	8		Bay Minette	6.46
Chambers	n.a.	0		Lowndes	n.a.	0		Bessemer	4.51
Cherokee	n.a.	0		Macon	n.a.	0		Billingsly	3.39
Chilton	8.35	1		Madison	5.36	24		Centreville WSMO	4.28
Choctaw	9.35	1		Marengo	3.51	1		Chatom	4.71
Clarke	8.59	3		Marion	14.23	1		Claiborne L&D	4.10
Clay	n.a.	0		Marshall	9.29	10		Clayton	5.08
Cleburne	n.a.	0		Mobile	12.59	21		Dauphin Isl.	5.14
Coffee	n.a.	0		Monroe	10.20	2		Elba	5.70
Colbert	7.73	6		Montgomery	4.98	4		Eufaula WR	4.60
Conecuh	10.88	1		Morgan	8.26	7		Evergreen	5.52
Coosa	9.82	2		Perry	n.a.	0		Fayette	4.92
Covington	9.97	1		Pickens	n.a.	0		Geneva 2	5.79
Crenshaw	n.a.	0		Pike	n.a.	0		Greenville	5.00
Cullman	9.41	3		Randolph	8.98	1		Haleyville	4.83
Dale	11.31	1		Russell	11.60	1		Hamilton 3S	4.95
Dallas	6.94	1		St. Clair	14.16	5		Heflin	4.31
DeKalb	7.71	8		Shelby	10.11	17		Hurtsboro	3.49
Elmore	7.03	6		Sumter	n.a.	0		Jasper	4.87
Escambia	10.29	2		Talladega	9.93	4		Lafayette	4.18
Etowah	8.32	3		Tallapoosa	6.64	1		Livingston	4.48
Fayette	10.79	1		Tuscaloosa	12.76	5		Melvin	1.73
Franklin	n.a.	0		Walker	13.40	2		Milstead	4.34
Geneva	n.a.	0		Washington	8.23	1		Moulton	4.40
Greene	n.a.	0		Wilcox	9.19	2		Oneonta	4.67
Hale	n.a.	0		Winston	10.42	3		Perryville	4.08
Henry	n.a.	0						Plantersville	3.95
								Rock Mills	5.46
								Rockford	3.82
								Sylacauga	4.25
								Union Springs	5.22
								Uniontown	3.81
								Vernon	4.53
								Warrior L&D	4.07
								Wetumpka	4.22

The background of the entire page is a close-up photograph of several leaves, likely from a rose, covered in numerous clear water droplets. The leaves are a pale, yellowish-green color, and the droplets are of various sizes, some reflecting light. The background behind the leaves is dark and out of focus.

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