

C.M. Stripling Irrigation Research Park

Monthly Newsletter

July 2021



Peanut blooms...



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From the Superintendent

Calvin Perry

As I prepare this section of our newsletter, tropical storm Elsa has come ashore in Florida's Taylor County. It's now working its way to the northeast through southeast Georgia. We hope everyone stays safe in its path.

June was a month of two very different segments. From June 1 to June 17, the Park received only 0.94 inches of rainfall. As a matter of fact, from May 13 to June 17, we received only 1.11 inches – a really dry stretch! After June 17, conditions really changed and we received 7.83 inches. During June, our high temps ranged from 97.9 to 82.6F and our lows ranged from 74.4 to 62.1F.

As you might guess, during that mid-May to mid-June time period, we were irrigating all the crop plots here at the Park often – corn, cotton, peanut, soybean and vegetables. We were also quite busy applying fertilizer (fertigation as well as tractor-applied), spraying fungicides, herbicides and insecticides, planting an “ultra” late cotton study, marking plot boundaries, and mowing plot alleys.

I participated in a brain-storming session with several UGA colleagues, including Kasey Bozeman, Wes Porter, Mark McCann, Sue Chapman, Jenna Daniel, Seth McAllister, and

Mandy Marable. The group is working on an application to the National 4-H Council for a grant as part of their Bayer Ag Innovator's Experience program. Precision Ag will likely be a focus.

I also had a good discussion about chemigation/fertigation via center pivot irrigation systems with Jackson Stansell, Ph.D. student in Biological Systems Engineering at the University of Nebraska – Lincoln. Jackson is from Dothan, AL. It's great to see young, sharp students interested in irrigation!

Visitors to the Park in June included Dr. Henry Sintim & crew, Dr. Bob Kemerait & crew, Dr. George Vellidis & crew, Dr. Wes Porter & crew, grad students Shelby Sangster, Giannis Gallios, Devendra Chalise and Laxmi Pandey, Brian Hayes (Mitchell Co. ANR agent), Gordon Rogers (Flint RiverKeeper), Charles Stripling and Blaire Colvin (FMC).

We were pleased to host Molly Samuel, energy and environment reporter for Atlanta's WABE radio station. Molly was reporting on the 'flash drought' that was occurring mid-May to mid-June. She visited the Park with Dr. George Vellidis.

I'm pleased to report that our

new 2-tower Reinke lateral-move irrigation system has been delivered to the Park. The dealer, Irrigation Plus (Cuthbert), has now assembled the main system hardware. Mostly electronics remains to be installed and configured. The lateral will have Reinke's VRI control system.

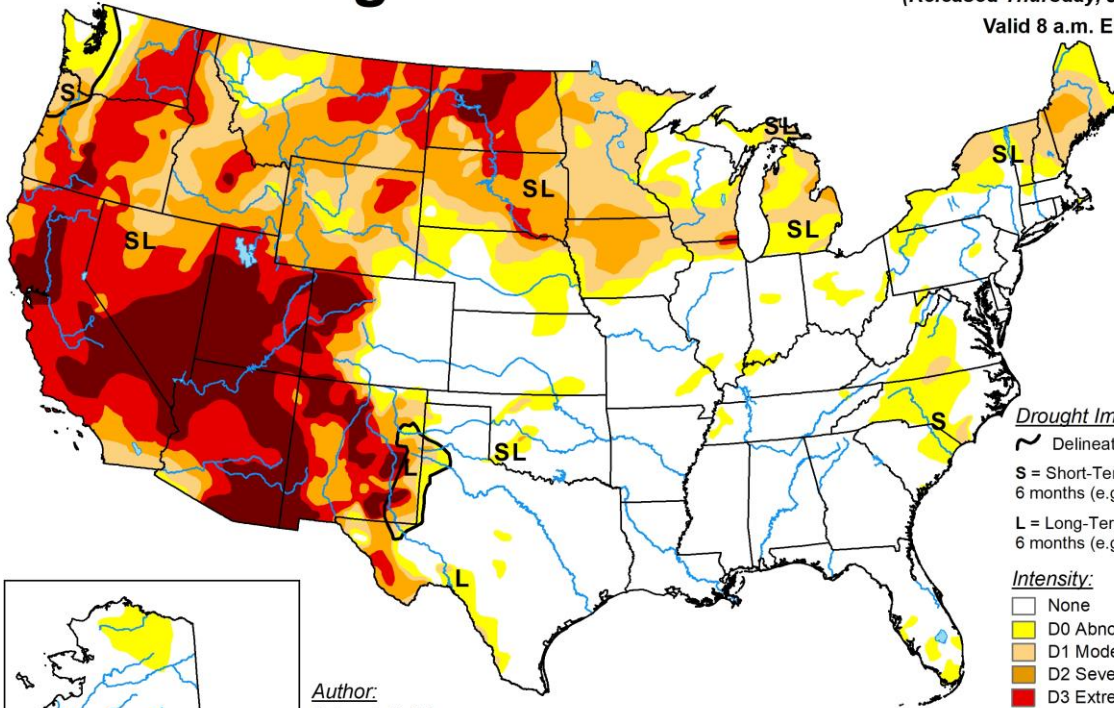
Finally, I'd like to make you aware of our upcoming **Virtual Field Day**. We will premier our field day video on **July 21 at 10am**. We'll send out details soon on how to join this online event. The Field Day will feature presentations from scientists, extension specialists, extension agents, grad students and even a few administrators. I hope you can join us. Special thanks to Anthony Barkdoll, CAES media specialist, for coming down and shooting all the videos.



Drought Conditions

U.S. Drought Monitor

June 29, 2021
(Released Thursday, Jul. 1, 2021)
Valid 8 a.m. EDT



Author:
Deborah Bathke
National Drought Mitigation Center

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>



droughtmonitor.unl.edu

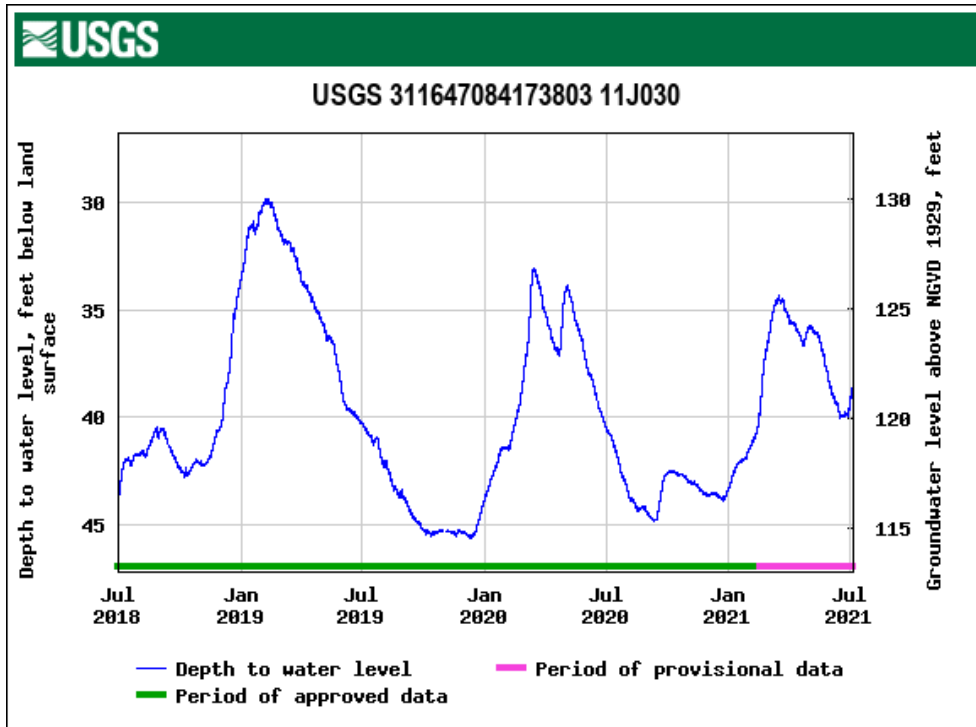
Drought Monitor map for the entire U.S. as of June 29. Currently, Georgia has NO areas of “Abnormally Dry” conditions. In the western U.S., the drought conditions are dire.

For more info:

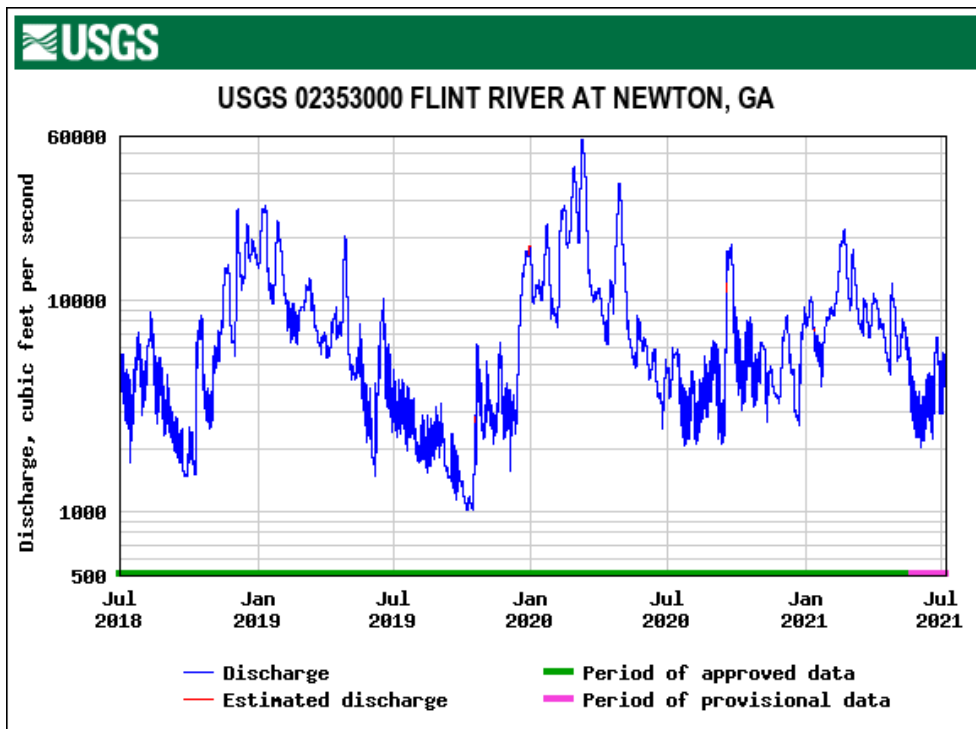
<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?GA>



Water Resources



Above - USGS data for the past 3 years for a groundwater monitoring well here at SIRP in Floridan aquifer. Below - stream gage on the Flint River at Newton for past 3 years.



Events

Past events

July 4	Independence Day
July 13	FRSWCD meeting (Mitchell Co. Ag Center)
July 13 - 14	4-H2O Camp

Upcoming events

July 22	SIRP's Virtual Field Day
August 10	FRSWCD meeting (SIRP)
September 23	IGEL



In The News

[Innovating the South's precision agriculture technology](#)

[Southern view of the carbon credit market for farmers](#)

[From Shasta to Folsom, shriveled reservoirs show depths of California's drought disaster](#)

[Georgia farmers plant more of state's major row crops](#)

[AFBF: Water rule reversal a blow to agriculture](#)

[WOTUS Returns](#)

[Rain, Rain Go Away: Wet Summer Impacting Pecan Trees](#)

[Georgia Peanuts: Early to Mid-Season Irrigation](#)

[Stepping on Stepped-up Basis Has Big Consequences](#)

[4 examples of what NOT to do with commercial vegetable crop rotations](#)

[GCC Encourages Producers to Scout for Tarnished Plant Bugs](#)

[Heavy Rains Rob Corn of Yield-Boosting Nutrients](#)

Video:

[YouTube highlights Millennial Farmer & his FarmTube journey](#)

[Millennial Farmer](#)

[Luke Bryan – Here's to the Farmer](#)



At the Park

Right: Kyle
mowing alleys in
cotton FF-N field.

Below:
Devendra
manually
spraying FF-S
field.



At the Park

Right: Drone pic of corn in “Newton” lateral field.



Below:
Errecting new
Reinke lateral
irrigation
system in
“Access Road”
field.



At the Park

Right: Pumpkins coming along nicely in the VRI field for entomology grad student Jermaine.



Below: B.J. spraying cotton in the Lindsay lateral field.



At the Park

Right & Below:
Molly Samuel
with WABE radio
(Atlanta) visits
with Dr. George
Vellidis in the
“Newton” lateral
peanuts.



At the Park

Right & Below:
Intern, Amy
Deariso, helping
with fertigation in
“Newton” lateral
corn field.



Music Trivia... II

Before Phil Collins, who was the lead singer of Genesis? Peter Gabriel

Paul McCartney credits which artist with teaching him everything he knows?
Little Richard

What artists made up the supergroup The Traveling Wilburys?
George Harrison, Roy Orbison, Jeff Lynne, Tom Petty and Bob Dylan

Who was the first woman ever inducted into the Rock and Roll Hall of Fame?
Aretha Franklin

Who is the only country artist to have a Top 20 hit on the Billboard Hot Country Songs chart for six straight decades? Dolly Parton

What was Elvis Presley's first No. 1 hit in the United States? "Heartbreak Hotel"

"The Day the Music Died" refers to the tragic deaths of which artists?
Buddy Holly, Ritchie Valens and The Big Bopper

Prince introduced his iconic symbol on the cover of which single? "1999"

What video beat "Thriller" for Video of the Year at the first-ever MTV Video Music Awards?
The Cars, "You Might Think"

Who was the first woman to have four country albums reach No. 1 on the Billboard 200?
Carrie Underwood

What does Lady Gaga affectionately call her fans? Little Monsters

As a child, what singer held the longest note ever on Star Search? Usher

Adele credits what political figure for making her career? Sarah Palin

What was the first music video to ever air on MTV? "Video Killed the Radio Star" by The Buggles

Milli Vanilli were performing which of their hit songs when they were exposed for lip-syncing live? "Girl You Know It's True"

Members of Wilson Phillips are the daughters of which music legends?
Brian Wilson of The Beach Boys and John and Michelle Phillips of The Mamas & The Papas

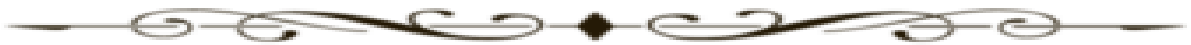
What do Drake, Taylor Swift and The Beatles have in common?
They all replaced themselves at No. 1 on the Hot 100

What artist recorded two of his bestselling albums while he was behind bars?
Johnny Cash

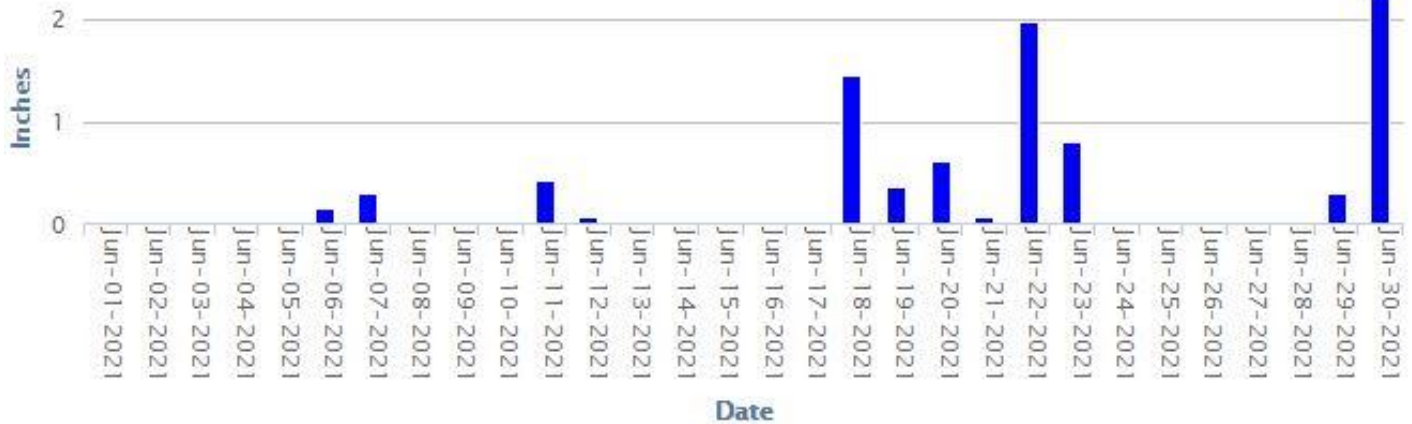


SIRP Weather

Maximum Temperature, Minimum Temperature



Daily Cumulative Rainfall



For June, SIRP had 8.77 inches of rainfall, compared to 2.10 inches in May, 5.26 inches in April, and 4.45 inches in March.

To explore weather information, visit www.georgiaweather.net.



Contact Information



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Trivia:

What is the smallest country in the world?

Answer: Vatican City

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