

Stripling Irrigation Research Park

November 2019



Harvesting Dr. Porter's
cotton plots.

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UNIVERSITY OF
GEORGIA

College of Agricultural &
Environmental Sciences

C.M. STRIPLING IRRIGATION
RESEARCH PARK

From the Superintendent

Early October was hot and dry like September. Our first rain event wasn't until the 15th and it was a soaker at 2.12 inches. During October we received 5.08 inches total over 7 rain events. Our daily high temps ranged from a sweltering 99F to a comfy 73.5F while our lows ranged from 72F to a chilly 44.8F. We are settling into a pattern of fronts passing through and bringing rain followed by cool temps and dry days. But we're not seeing long enough dry periods to allow us to get in our remaining research plots (cotton, peanuts, and soybeans). As you'll see on the next page, drought conditions across GA have eased a bit with no areas in "extreme drought".

The SIRP crew was busy last month with irrigation (late peanuts and cotton), spraying fungicide on peanut plots, spraying defoliants on cotton plots, sowing rye cover crop, and picking cotton. Once again, much of the harvest was 'bagging' of cotton yields from research plots by crews riding in the basket of our 2-row picker and catching yield from plots in mesh bags. We then weigh the bags.

Visitors to the Park included Danielle Tadych (Auburn grad student), Marty Saylor (Lindsay Irrigation), and the Flint River Soil & Water Conservation District employees.

If you were at Sunbelt Expo this year and dropped by the UGA/CAES building, hopefully you saw our booth touting "Smart Irrigation Management". I worked with Wes Porter, Cale Cloud, and David Hall to put together our display (thanks Tracey Vellidis). We had a banner and props showing soil moisture sensors, irrigation uniformity testing, SmartIrrigation apps, and UGA Extension AgWET project, plus a handout on smart irrigation tips and info on installing soil moisture sensors. We were assisted by agents Luke Crosson and Brian Hayes.



<<-- Calvin and Cale at Expo

Finally, right after Expo, my family took a short vacation up in Washington, DC. We did the tourist thing and visited numerous museums, the White House, and the US Capitol - along with several nice restaurants. I highly recommend it!

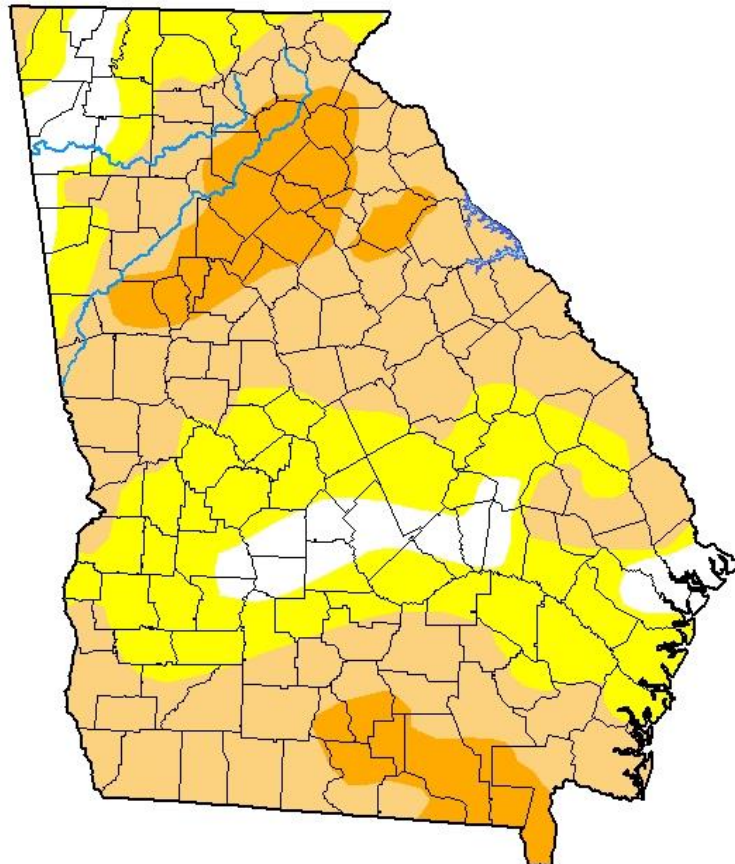


Calvin Perry

Drought Conditions

U.S. Drought Monitor Georgia

November 5, 2019
(Released Thursday, Nov. 7, 2019)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.71	91.29	60.87	12.56	0.00	0.00
Last Week 10-29-2019	3.89	96.11	81.67	28.98	2.35	0.00
3 Months Ago 08-06-2019	75.77	24.23	5.50	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2019	0.00	100.00	61.58	28.35	4.49	0.00
One Year Ago 11-06-2018	80.45	19.55	3.46	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Simeral
Western Regional Climate Center



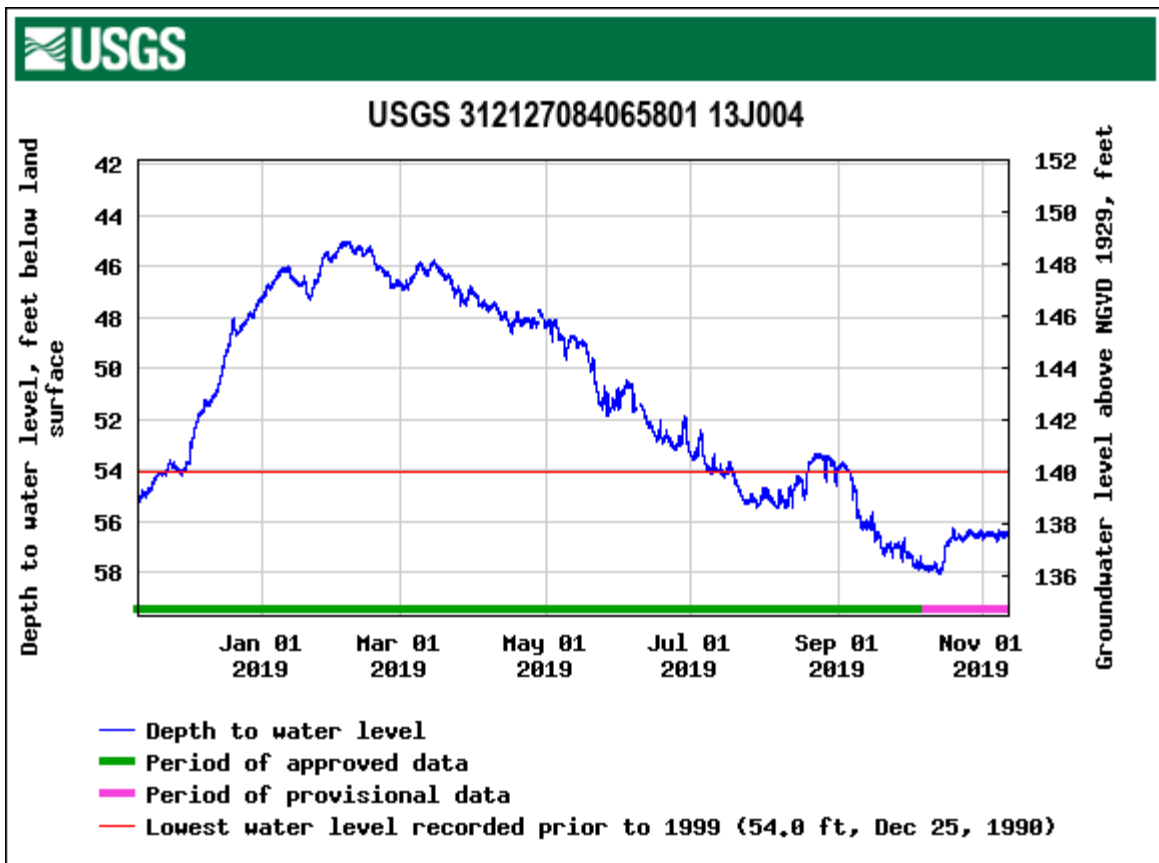
droughtmonitor.unl.edu

Drought Monitor map for Georgia as of November 5. Conditions have eased a bit - currently, 92.3% of the state is categorized as abnormally dry, 61% is in moderate drought, 12.6% is in severe drought and 0% is considered extreme drought. Last month, we were at 100%, 61%, 28%, and 4.5%. For more info:

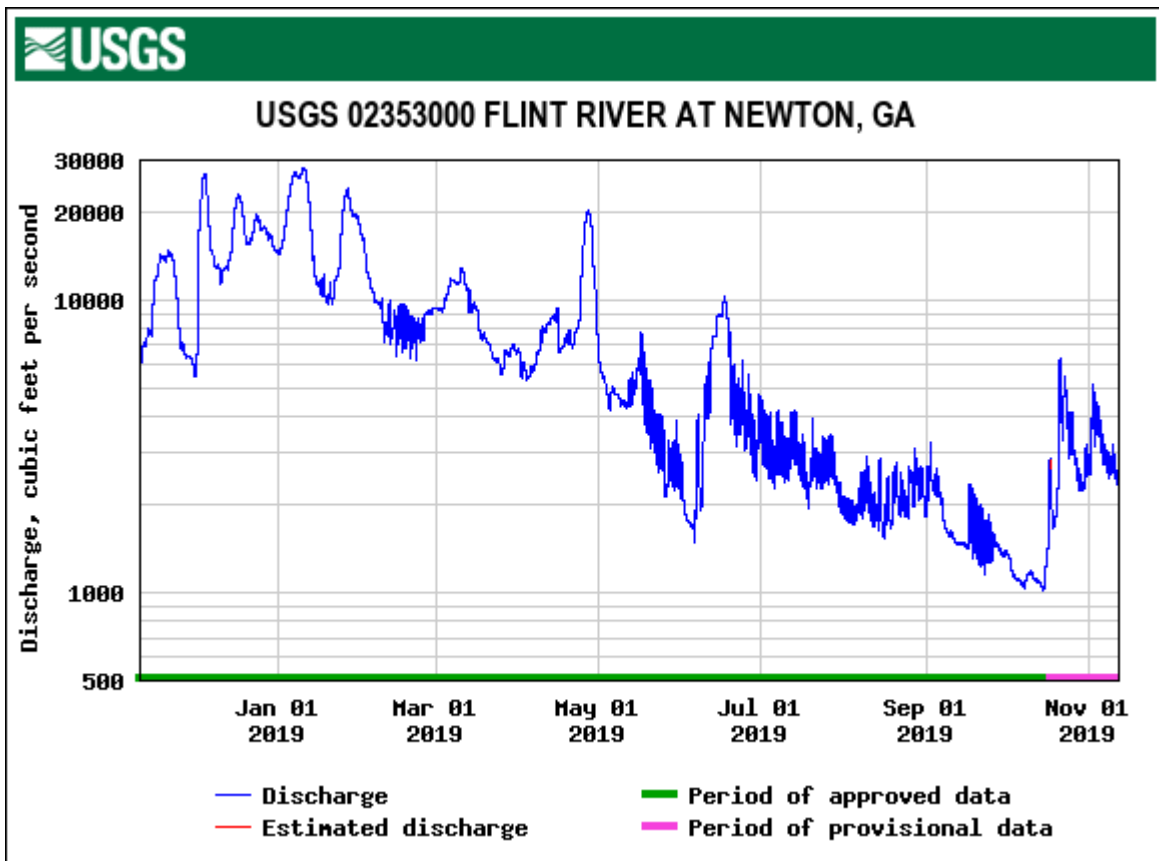
[https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?](https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?GA)

[GA](#)

Water Resources



Above and below - USGS data for the past year for a groundwater monitoring well in northern Mitchell County and stream gage on the Flint River at Newton.



At the Park

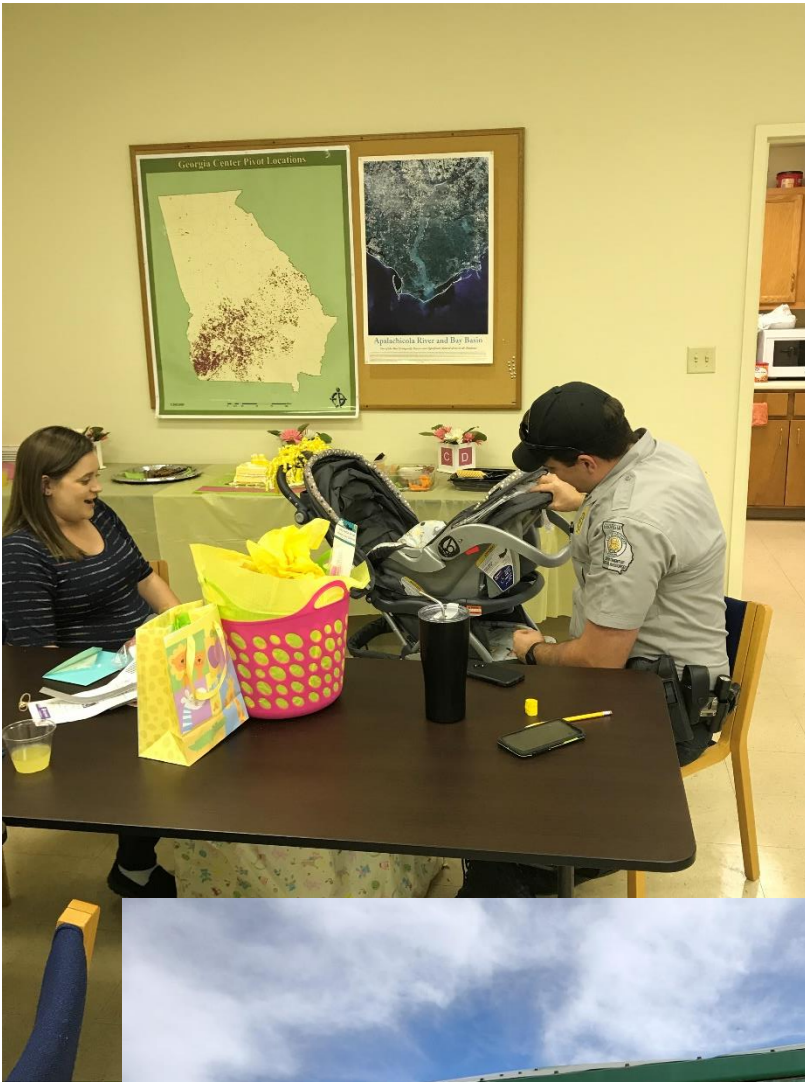


Above: Vellidis' soybeans in Front 4 - North field.

Below: Visitor, Danielle Tadych, grad student from Auburn takes tour of SIRP's farm with Calvin and UGA grad student Arianna Toffanin (left).



At the Park



Left: SIRP's Mandy & husband, Taylor receives combo baby seat & stroller at baby shower given by co-workers.

Below: Dr. Kemerait & crew bagging cotton plot yields.



At the Park



Above: B.J. harvesting non-data Front-4 North soybeans.
Below: Harvesting the last of the peanut plots for Dr. Harris.



At the Park



Above & Below: B.J. installing iMETOS LoRAIN unit.



Events

Past events

Oct 10	1 year anniversary of Hurricane Michael
Oct 15 – 17	Sunbelt Expo (Moultrie)

Upcoming events

Nov 18	Dr. Erin Porter's ABAC class tour
Nov 28 – 29	Thanksgiving Holidays
Dec 2 – 4	Irrigation Association (Las Vegas, NV)
Dec 25 – 31	Christmas Holidays
Jan 1, 2020	New Year's Holiday
Jan 8 – 10	Beltwide Cotton Conf. (Austin, TX)
Jan 14	Westminster School class tour
Jan 16	GA Peanut Show (Tifton)
Jan 30	GA Cotton Conference (Tifton)

In the News

[Water war shifts to southwest Georgia as Florida takes aim at farmers](#)

[Pivots, Puppets & Peanuts: Georgia grower highlights farming on Sesame Street](#)

[Microsoft Launches FarmBeats, to Eliminate Guesswork for Ag Producers](#)

[Project aims for new farm robot](#)

[University of Illinois Unveils Fascinating Map Showing Food Movement in the U.S.](#)

[Ag report: Rain helped 'settle some dust, but it came too late to help the crop any'](#)

[Realizing the Conservation Benefits of Precision Agriculture](#)

[Big Food is Betting on Regenerative Agriculture to Thwart Climate Change](#)

[Farming for the future: UGA leads the way in precision agriculture](#)

[Another battle set Nov. 7 in the decades-long water wars over the river basin including Lake Lanier](#)

[Easy Tips for Protecting Your Well, Your Water, and Your Wallet This Winter](#)

[Precision Ag Spotlight: Let's Start Looking at the Water!](#)

[As Kansas farms get bigger, small towns struggle](#)

[Rural Georgians hold their nose as sludge is dumped nearby](#)

[Farm Tech Meets FinTech — Grain Silos And Data Silos](#)

[The FarmBeat of the Future](#)

[Georgia EPD Declares Level 1 Drought Response, Calls For Water Conservation](#)

[First legal Georgia hemp fields show crop's promise](#)

[Georgia Declares Drought, Including For Metro Atlanta](#)

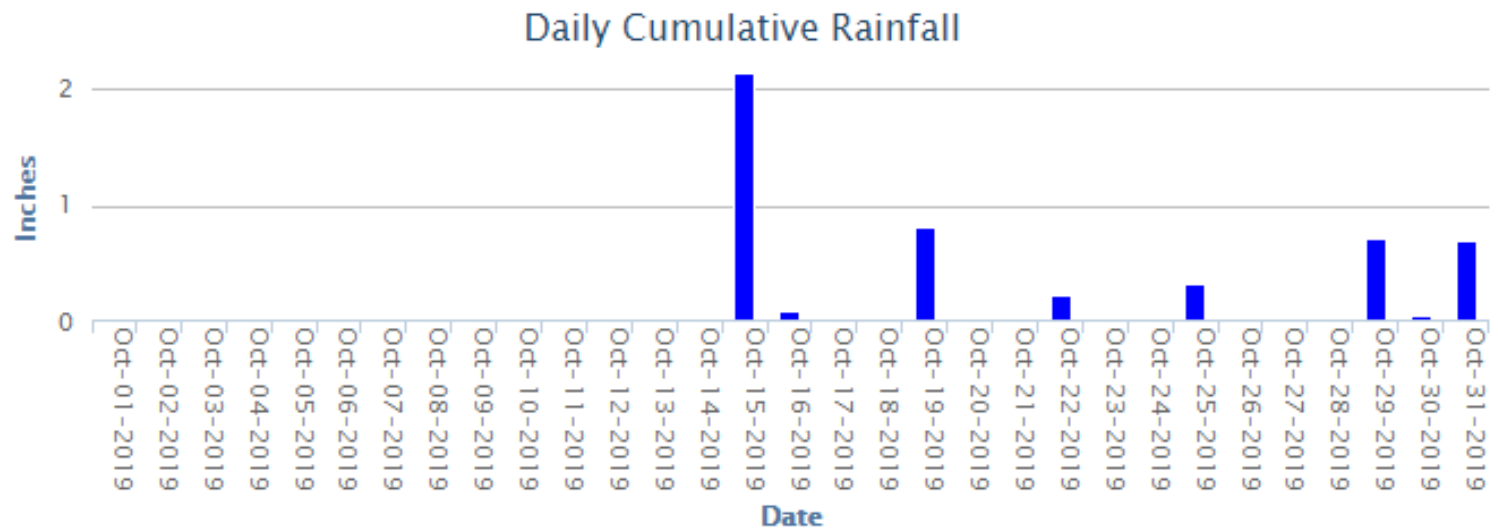
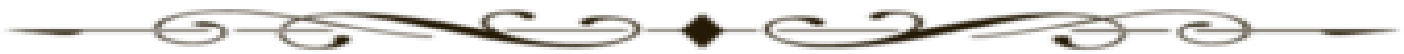
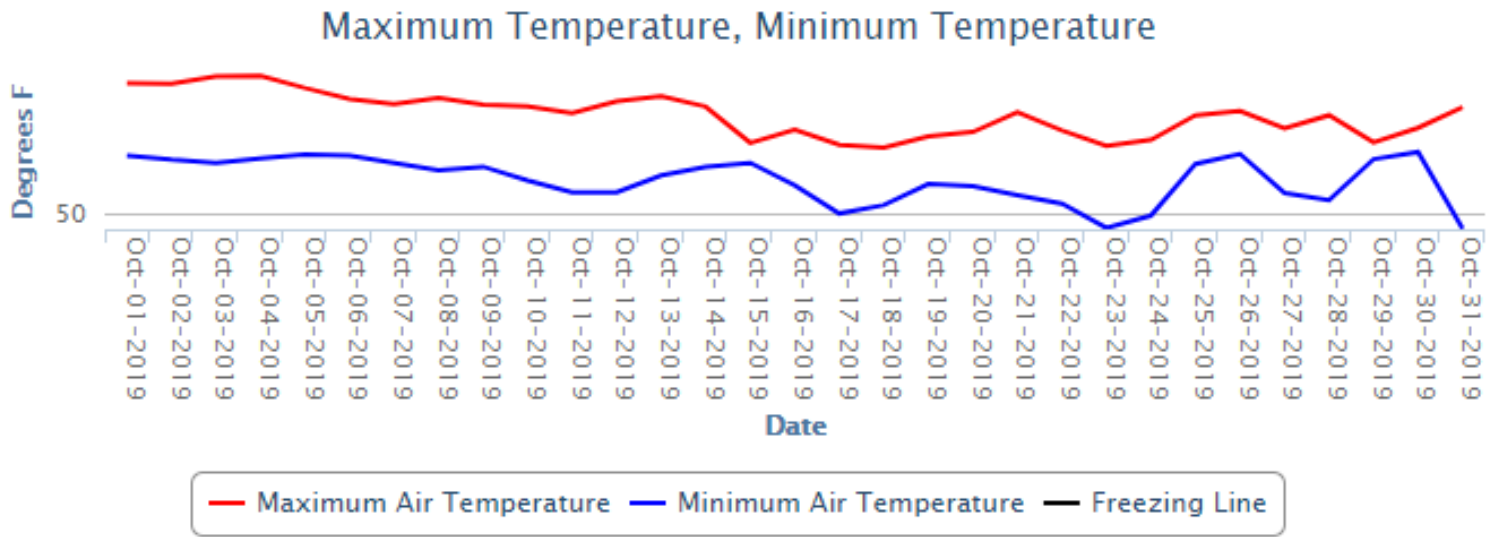
[Southwest Georgia farmers still struggling with impact of Hurricane Michael](#)

[Valley Irrigation's Advanced Technology Uses AI To Detect Crop Health And Irrigation Concerns](#)

[Georgia Pecans: New Tools Help Protect Against Fungicide-Resistant Scab](#)

[Stalactites, bass, ducks overlooked as water war focuses on oysters, farmers, metro Atlanta](#)

SIRP Weather



For October, SIRP had 5.08 inches of rainfall, compared to 1.01 inches in September, 4.82 inches in August, and 6.15 inches in July.

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

Contact Information

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Trivia:

John Glen, the first astronaut to orbit earth, was in which service?