

C.M. Stripling Irrigation Research Park

Monthly Newsletter

October 2022



Harvesting corn crop plots...



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College of Agricultural &
Environmental Sciences
UNIVERSITY OF GEORGIA

From the Superintendent

Calvin Perry

Well, as I write this, bulldog fans (like me) have witnessed back to back wins by our favorite college team but are hoping to see a bit more from our guys in red and black going forward. It wasn't comforting to watch the win over Kent State and then Saturday's come from behind win at Missouri. We can all take solace that Kirby Smart will rally the troops!

We are also counting our blessings that our area was not affected by Hurricane Ian that was so damaging to Puerto Rico, Cuba, Florida, and the Carolinas.

Harvest kicked off in a big way in September here at the Park. We started the month with corn harvest. We took care of non-"data" rows with our well-seasoned CaseIH 1440 combine. (Had to replace a rear hub and rim). Dr. Toews, UGA Tifton Campus Asst Dean, and new corn extension specialist Dr. Richard Roth arranged to get Roth's Zurn 2-row plot combine over to the Park to harvest "data" rows in our scientists' 274 research plots.

We harvested 3 passes (54 plots) in Dr. Snider's cotton study (backpack defoliated) and then moved right into peanut harvest. After inverting and allowing 3-4 days to dry, we used our Colombo 2-row peanut combine (fitted with bagging attachment) to harvest 220 research plots. Our KMC 4-row and our Lilliston 2-row combines were

used to pick non-"data" rows. Immediately after inverting Dr. Porter's peanuts, we worked with Dr. Pilon to 'harvest' about 12 ft of adjacent rows in his 54 plots to get her samples of green peanuts for her studies. Dr. Kemerait rated his plots immediately after inverting for white mold disease.

Harvest had little interruption from rainfall as we received only 2.54 inches over 11 rainy days in September. (Only 5 of the 11 events were over 0.25 inch). Our high temps ranged from 95.7 to 73.2F with lows ranging from 72.8 to 54.8F (nice and cool). The long-term average for September includes high of 88.3F, low of 66.6F, and 3.92 inches of rainfall over 8 days.

Graduate students were quite busy at the Park last month. Dr. Snider's Ved and Bailey (along with others) were here quite a bit collecting cotton data, defoliating plots, etc. Jermaine, Paulo and Arash collected insect data several times. They work with Drs. Riley and Schmidt. Solomon and Godfred, with Dr. Sintim, collected samples from his peanut studies. Dr. Vellidis' grad student Giannis collected data in his peanut study and grad student Emily rated his soybean growth stage.

Other visitors to the Park included Dr. Vellidis' crew, Dr. Snider and crew, Dr. Kemerait and crew, Dr. Porter's crew, Brian Hayes (Mitchell

Co. extension), Jake Lull (Reinke Irrigation) and Jody Redding (Gov. Kemp's office). We hosted Linda Hamilton, CTAE Ag Teacher at Mitchell Co. High School, and 6 of her students as well.

Meetings hosted at the Park included the monthly meeting of the Flint River Soil & Water Conservation District and the "Water School" program associated with the Floridan Water/FACETS project. The Georgia Water Planning & Policy Center at Albany State University coordinated the event.

I participated in the monthly virtual meeting of the CAES REC superintendents around the state. We heard from Dr. Stougaard, assistant dean, as well as Dan Silk, UGA police chief, and Mary Ann Parsons with the CAES Office of Development and Alumni Relations.

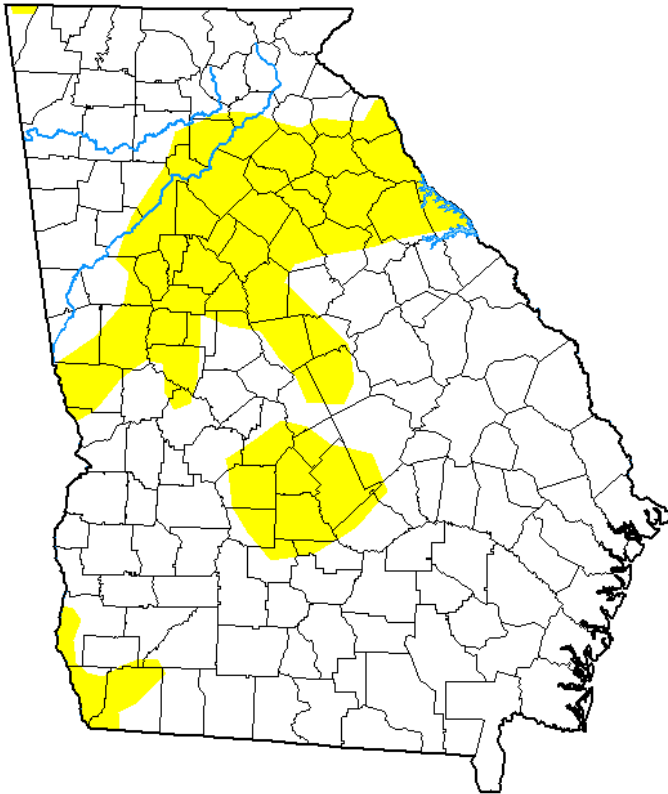
Finally, I enjoyed presenting on Ag Irrigation to the SW Georgia LEADS leadership training program held in Newton, GA, on the banks of the Flint River.



Drought Conditions

U.S. Drought Monitor Georgia

September 27, 2022
(Released Thursday, Sep. 29, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	76.20	23.80	0.00	0.00	0.00	0.00
Last Week 09-20-2022	98.63	1.37	0.00	0.00	0.00	0.00
3 Months Ago 06-28-2022	6.45	93.55	54.94	3.41	0.00	0.00
Start of Calendar Year 01-04-2022	97.01	2.99	0.00	0.00	0.00	0.00
Start of Water Year 09-28-2021	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 09-28-2021	100.00	0.00	0.00	0.00	0.00	0.00

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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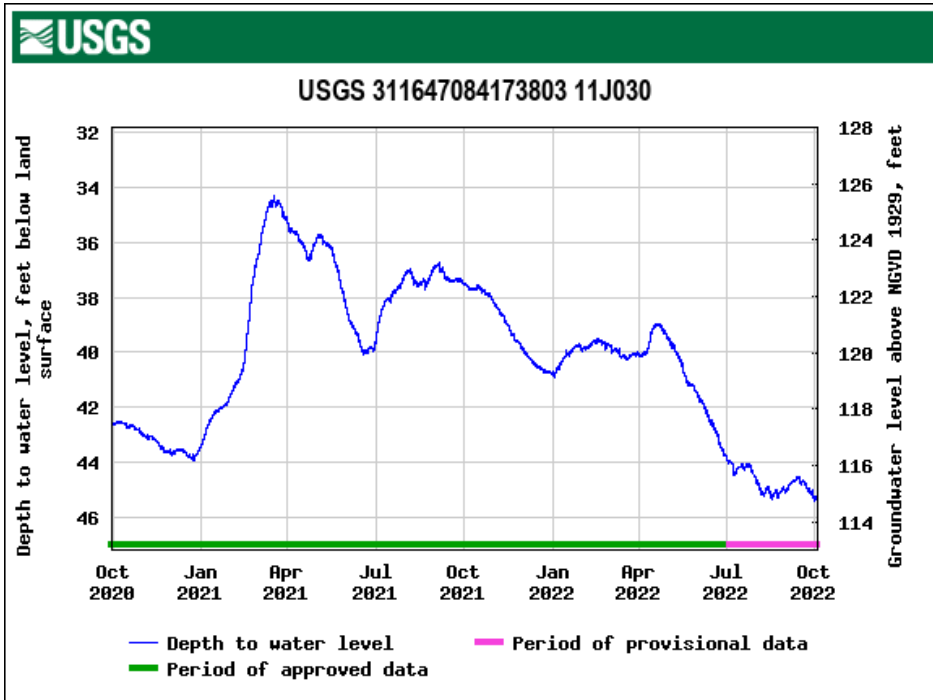
droughtmonitor.unl.edu

Drought Monitor map for Georgia as of September 27. Starting to have some abnormally dry regions showing up across the state. Now ~24% of Georgia is abnormally dry. For more info:

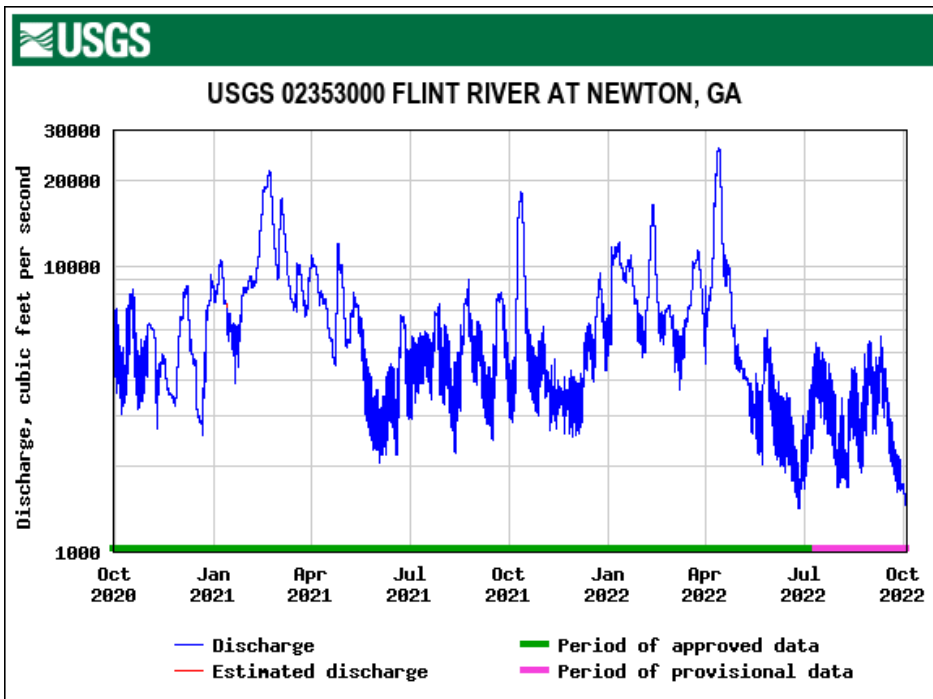
<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?GA>



Water Resources



Above - USGS data for the past 2 years for a groundwater monitoring well here at SIRP in Floridan aquifer. Below - stream gage on the Flint River at Newton for past 2 years.



Events

Past events

September 13	FRSWCD mtg.
September 27	Water for SWGA's Future (Ed. Program)

Upcoming events

October 11	FRSWCD mtg.
November 8	FRSWCD mtg.
November 11	Veteran's Day
November 24-25	Thanksgiving Holiday
December 25-30	Christmas Holidays
January 1, 2023	New Year's Day Holiday



In The News

[Irrigation technology, management help conserve what water remains](#)

[Heated plot experiments reveal link between warmer early winters and lower crop yields](#)

[New tech brings precision, automation to soil sampling](#)

[Georgia Pecans: To Spray or Not To Spray Late Season Insects](#)

[Georgia Pecans: What to Know About Anthracnose](#)

[Cotton: Market Back to Double Digits](#)

[Sunbelt Ag Expo anticipates increased attendance](#)

[Diverse landscapes at the heart of bee conservation](#)

[Cotton boll rot humbles me](#)

[Amvac develops tracking tech for fertilizer, crop protection](#)

[Farm data management made easier](#)

[2022 Georgia National Fair offers something for everyone](#)

Videos:

Peterson Farm Bros.

[You Planted All Night Long \(You Shook Me All Night Long Parody\)](#)



At the Park

Right:
Dr. Snider's crew
measuring
samples of
'early' cotton
plots in the Front
4 field.



Below:
B.J. & Dr. Snider's
crew harvesting
cotton plots.



At the Park



Above: Our new peanut reshaker implement.

Below: B.J. inverting peanuts for Dr. Porter.



At the Park

Right & Below:

Dr. Porter's crew
harvesting peanuts
in the Camilla
lateral field.



At the Park

Right:

Kyle & B.J. harvesting
Dr. Kemerait's peanuts
in the VRI field.

Below:

Godfred (grad student)
pulling samples from Dr.
Sintim's peanuts in the
Pine field.



At the Park



Above & Below:
Dr. Vellidis talking with GWPPC FACETS Water School attendees &
demonstrating the “Newton Lateral” irrigation system.



Trivia & Brain Teasers

What heavy seven letter word can you take two away from and be left with eight?
Weights

What common English word becomes shorter when you add two letters?
Short

I don't speak but there is no word I cannot make. What am I?
The alphabet

What 5-letter word does 'HIJKLMNO' represent?
H to O (H₂O = water)

What word starts with E and ends with E and only has 1 letter in it?
Envelope

I am a window, I am a lamp, I am clouded, I am shining, and I am coloured; set in white, I fill with water and overflow. I say much, but I have no words. What am I?
An eye

The word candy can be spelled with just 2 letters. Can you guess which ones?
C and y

I have an end but no beginning, a home but no family, a space without room. I never speak but there is no word I cannot make. What am I?
A keyboard

What do you call a monster with a high IQ?
Frank-Einstein!

I have billions of eyes, yet I live in darkness. I have millions of ears, yet only four lobes. I have no muscle, yet I rule two hemispheres. What am I?
The human brain

What is an owl's favorite subject?
Owl-gebra

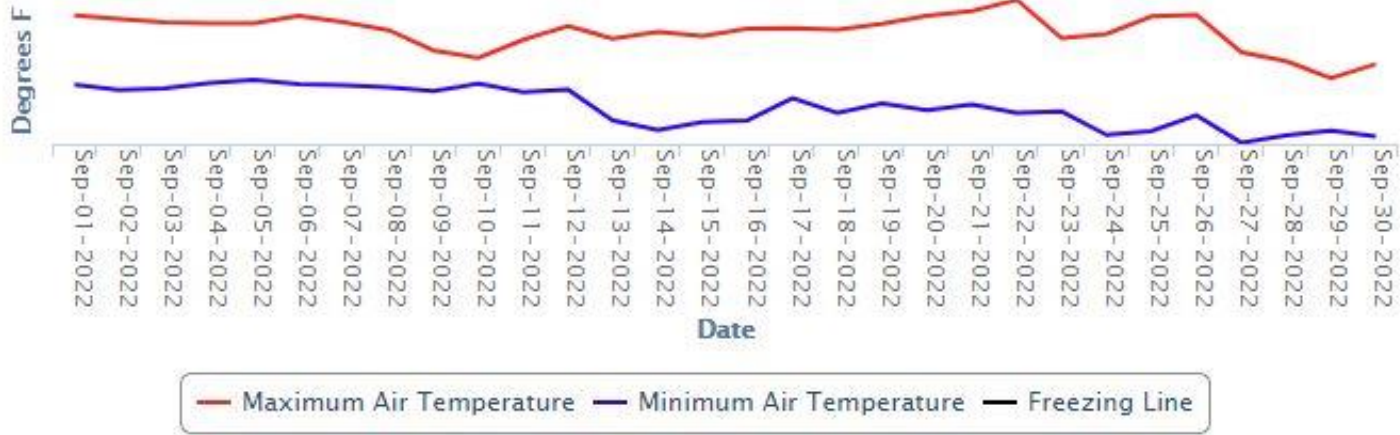
Forward I am heavy, but backward I am not. What am I?
A ton

I'm written with two letters, but only said with one. What am I?
Eye

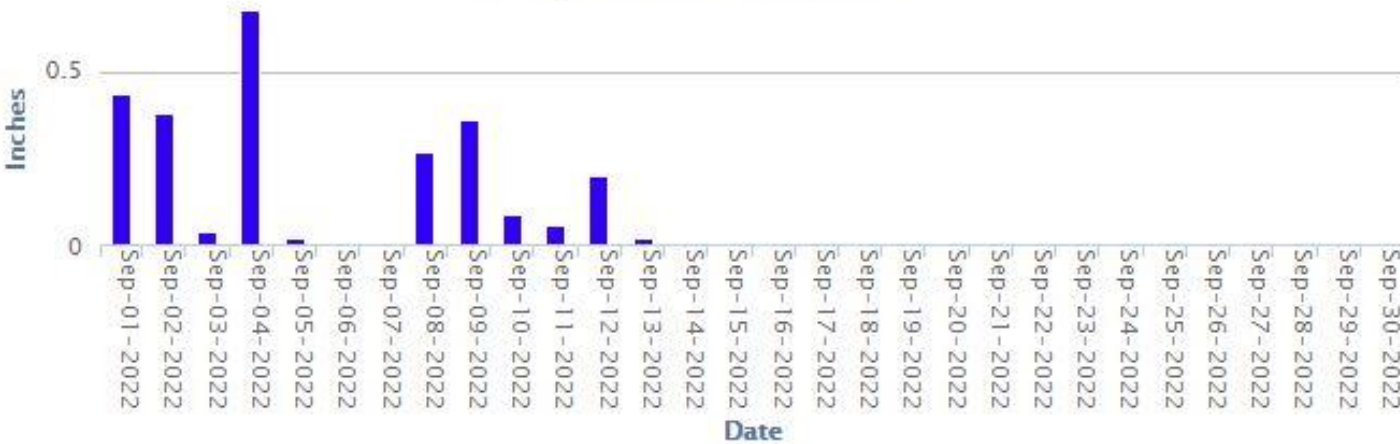


SIRP Weather

Maximum Temperature, Minimum Temperature



Daily Cumulative Rainfall



For September, SIRP had 2.54 inches of rainfall, compared to 5.33 inches in August, 7.86 inches in July, 3.20 inches in June, and 2.38 inches in May. A total of 35.85 inches from January through September.

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



Contact Information



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Trivia / Riddle:

What is a sleeping brain's favorite musical group (rock band)?

Answer: REM

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