

# C.M. Stripling Irrigation Research Park

Monthly Newsletter

October 2021



Bug in VRI field...



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College of Agricultural &  
Environmental Sciences  
UNIVERSITY OF GEORGIA

# From the Superintendent

## Calvin Perry

Well, we finally got a break in September from the near constant rain. We received “only” 2.69 inches over 7 days with rain events. Our high temps moderated a bit with highs from 93F to 78F and lows ranged from 74F to 53F. As of this writing, the Park has received 49.21 inches of rainfall – just 2.52 inches from our long-term annual rainfall.

With irrigation essentially over for this crop year we kept busy with numerous other things. We finally harvested our corn – border rows with our 1985 CaseIH and data rows with Dr. Bryant’s Zurn plot harvester. Late last month we began inverting peanuts in plots for Drs. Kemerait and Porter. We harvested Dr. Porter’s plots using our ‘new’ 2001 KMC 4-row combine for border rows and our Colombo 2-row combine for data rows (it’s fitted with a bagging attachment). We also did some peanut fungicide spraying and chemigation, cotton defoliation spraying and vegetable fertilizing, spraying (herbicides and fungicide) and cultivating. Of course, we’re always mowing grass all over the Park as well.

I had another lengthy discussion on center pivot irrigation systems and VRI with Chris Tyson, superintendent of the UGA Vidalia Onion and

Vegetable Research Center as well as with Kansas State researchers.

Visitors to the Park in September included Dr. Mike Toews (Asst Dean, Tifton Campus), Dr. Corey Bryant’s technician Wes Mosteller, Dr. Cris Pilon & crew, Dr. Bob Kemerait & crew, Dr. George Vellidis’ crew, Dr. Wes Porter’s crew, Dr. Peng Chee’s crew, grad students Kasey Herrington, Shelby Sangster, Giannis Gallios, Devendra Chalise and Laxmi Pandey, and Brian Hayes (Mitchell Co. ANR agent). Brian was kind enough to help us out when a couple of SIRP’s crew were out of pocket.

My old ag engineering friend and colleague Dr. Glen Rains along with entomologists Drs. David Riley and Jason Schmidt placed a novel prototype white fly trap here at the Park. This automated ‘sampler’ was installed and maintained by Miller Hayes (Brian’s son).

We were pleased to again host the monthly meeting of the Flint River Soil & Water Conservation District, hosted Dr. Glen Harris’ soils & hydrology UGA class annual tour, hosted IGEL 2021 class, and UGA Extension’s Extend leadership class tour.

In closing, I’d like to once again take a moment of personal

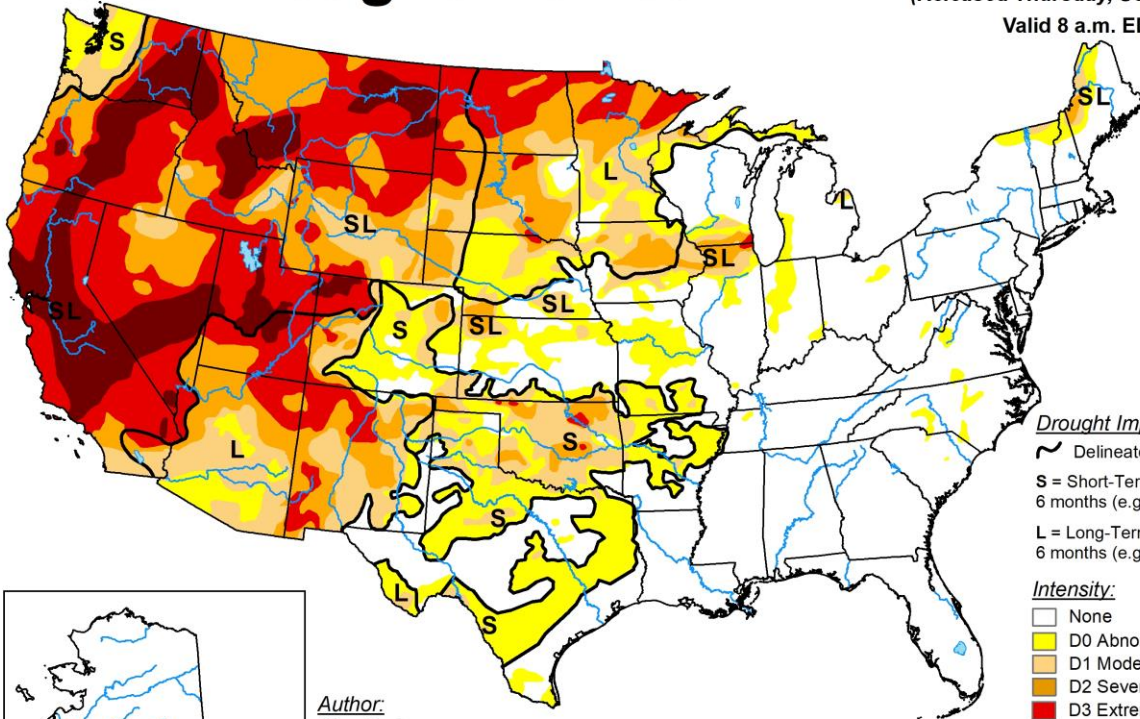
privilege to do a bit of bragging. Our daughter, Heather, has been voted by her peer teachers to be Teacher of the Year for Pharr Elementary School in Gwinnett County (Ga). Heather teaches K-2, ASD 1 (autism spectrum disorder level 1) special ed at Pharr. She will now compete with over 100 other school winners for county-wide teacher of the year. We also recently learned that my wife and I are going to be grandparents! Our son, Cole, and wife Daniela, are expecting a daughter next March. The Perry’s are looking forward to exciting times ahead.



# Drought Conditions

## U.S. Drought Monitor

September 28, 2021  
 (Released Thursday, Sep. 30, 2021)  
 Valid 8 a.m. EDT



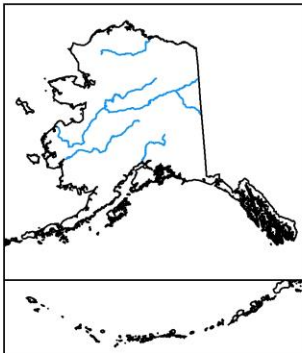
**Drought Impact Types:**  
 ~ Delineates dominant impacts  
 S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
 L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

**Intensity:**  
 None  
 D0 Abnormally Dry  
 D1 Moderate Drought  
 D2 Severe Drought  
 D3 Extreme Drought  
 D4 Exceptional Drought

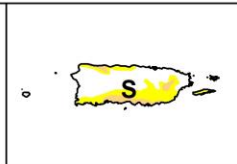
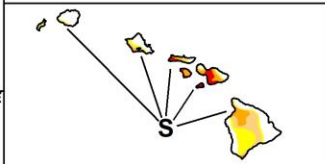
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



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



**Author:**  
 Brian Fuchs  
 National Drought Mitigation Center



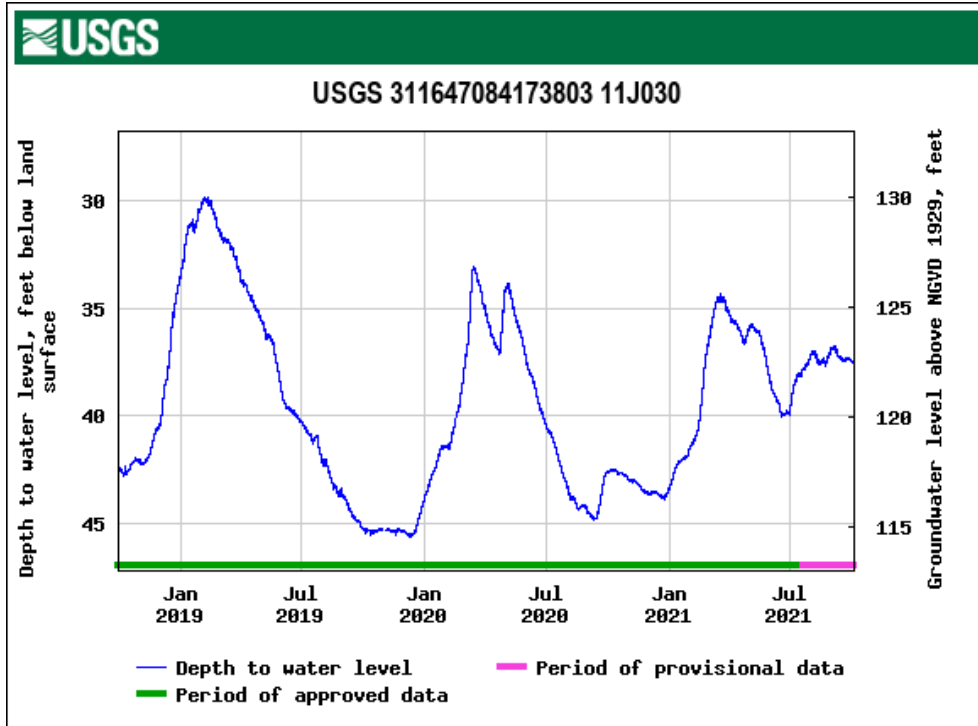
Drought Monitor map for the entire U.S. as of September 28. Currently, Georgia has NO areas of “Abnormally Dry” conditions. In the western U.S., the drought conditions are severe.

For more info:

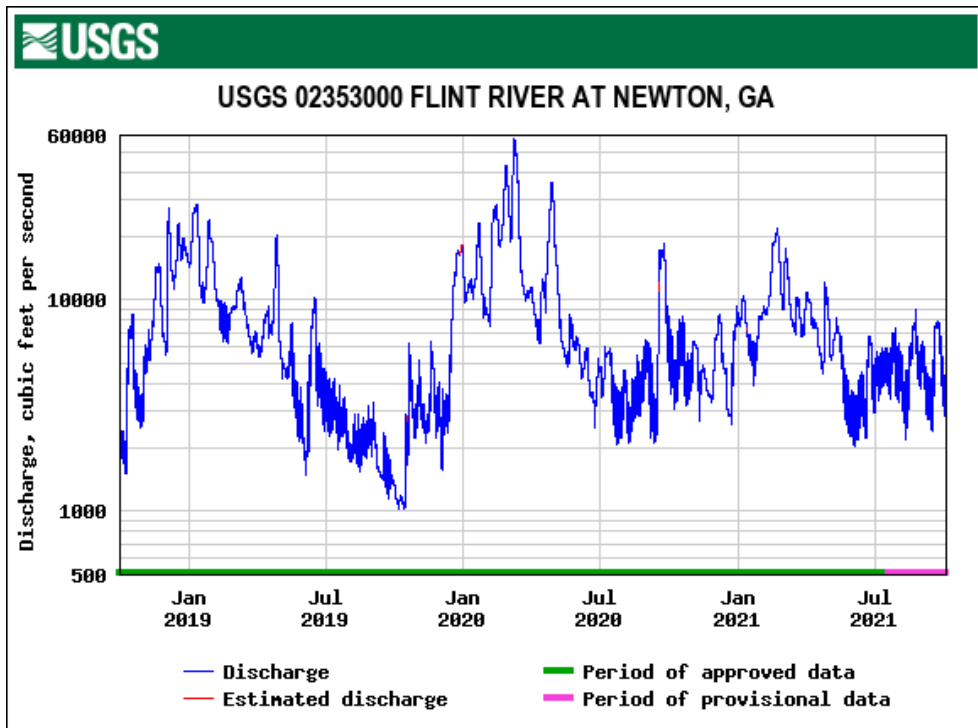
<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?GA>



# 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

<b>September 14</b>	FRSWCD meeting
<b>September 23</b>	IGEL
<b>September 29</b>	Extend Leadership Group

## Upcoming events

<b>October 7-17</b>	Georgia National Fair (Perry, GA)
<b>October 12</b>	FRSWCD meeting
<b>October 19–21</b>	Sunbelt Ag Expo (Moultrie, GA)
<b>November 9</b>	FRSWCD meeting
<b>December 14</b>	FRSWCD meeting



# In The News

[Minnesota farmers tap technology to conserve water in drought](#)

[Planning for Irrigation Expansion Starts Now](#)

[Renowned researcher establishes endowment to support Georgia Mountain Research and Education Center](#)

[Georgia 4-H youth participate in state land-judging competition](#)

[Sensing a shift](#)

[Using moisture sensors to boost irrigation](#)

[Is the Robot-Filled Future of Farming a Nightmare or Utopia?](#)

[Cultivation & Conservation: Can Technology Help Conserve Water?](#)

[Judge strikes down challenge to metro Atlanta's water supply](#)

[CropX Acquires Farm Intelligence Company Dacom as Sustainable Ag Focus Intensifies](#)

[Corn Harvest Near Completion; Growers Preparing for Peanuts and Cotton that's Around the Corner](#)

[Shurley on Cotton: Move Above \\$1 Finally Here, Makes for Some Tough Decisions](#)

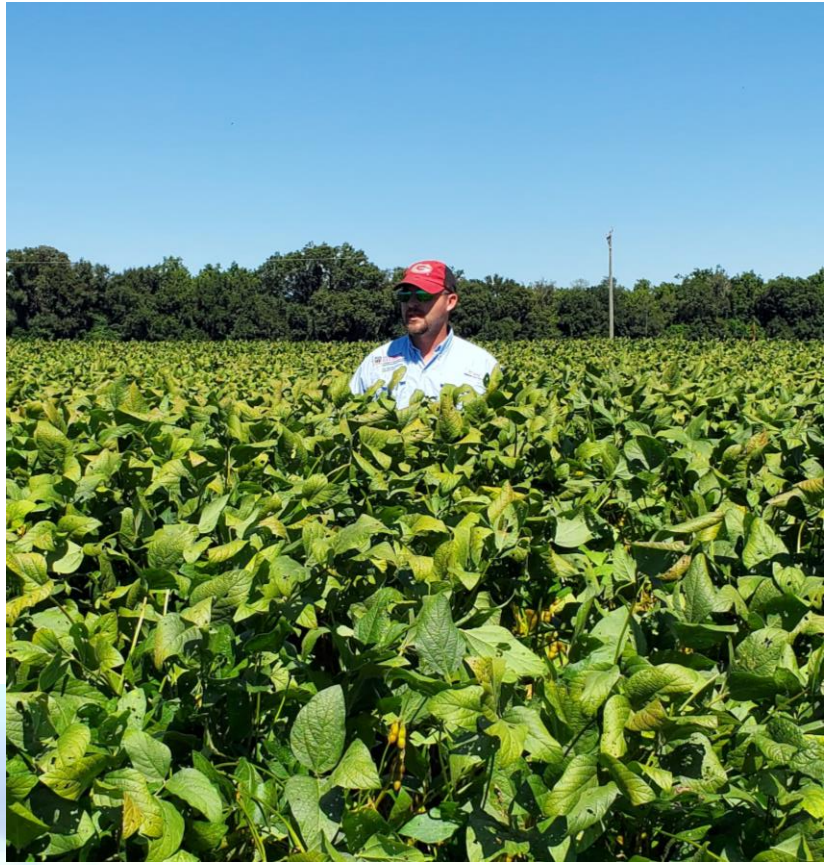
[Field to Closet medical scrubs now available](#)



# At the Park

Right: B.J. checking out the Front 4 North soybeans.

Below: Drone photo of Camilla lateral fields.



# At the Park

Right: 'Thank you' to Tidewater Ag for bringing equipment for the IGEL visitors to view.



Below: Casey Cox speaking to IGEL visitors.





# At the Park



Above: B.J. cultivating  
in grad student  
Jermaine's vegetables.

Right: White flies on  
collard leaf.



# At the Park

Right & Below:  
Dr. Porter's crew  
harvesting  
peanut plots in  
the Camilla  
lateral field.



# At the Park

Right: Inverting  
peanuts in VRI  
field.



Below: 4-row KMC  
peanut combine  
in action.



# At the Park

Right:  
Dr. Wes Porter  
and  
Dr. George  
Vellidis present  
to the EXTEND  
leadership class.

Below: EXTEND  
leadership class  
tours SIRP.



# At the Park

Right: Cool pic of sun shining through the fog early one morning.

Below: Dr. Glen Harris' class visits SIRP.



# Trivia

What is the tiny piece at the end of a shoelace called?

Answer: An aglet

What is the softest mineral in the world?

Answer: Talc

In which city was Anne Frank's hiding place?

Answer: Amsterdam

What goes up and down, but still remains in the same place?

Answer: Stairs

How many countries are members of the United Nations?

Answer: 193.

When was the first Dollar Coin made?

Answer: In 1794.

When was the computer invented?

Answer: Between 1936 to 1938.

How many elements are in the periodic table?

Answer: 118.

Name two countries which do not allow tattoos?

Answer: Iran and Japan.

When was the Bitcoin launched?

Answer: In 2009.

Which country developed the Skype software?

Answer: Estonia.

Who give the law of 'Every Action has an Equal and Opposite Reaction' ?

Answer: Newton.

Which fish will evaporate if left in the sun?

Answer: Jelly Fish

Where is the largest Aquarium in the United States?

Answer: Georgia Aquarium.

Which sentence has all the alphabet letters in it?

Answer: "The quick brown fox jumps over the lazy dog."

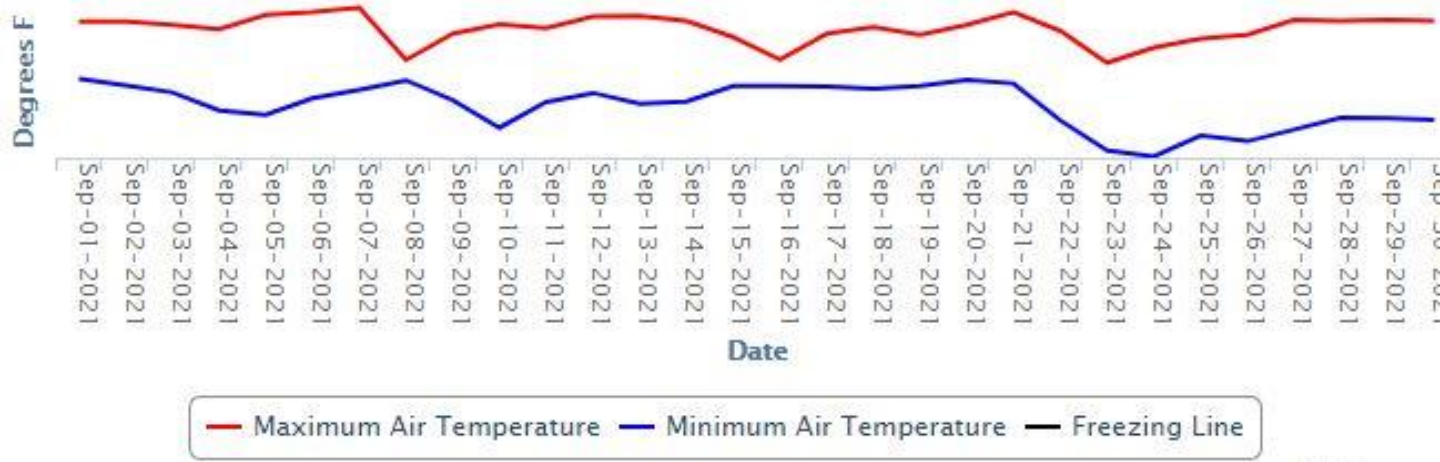
In which country was Halloween originated?

Answer: Ireland.

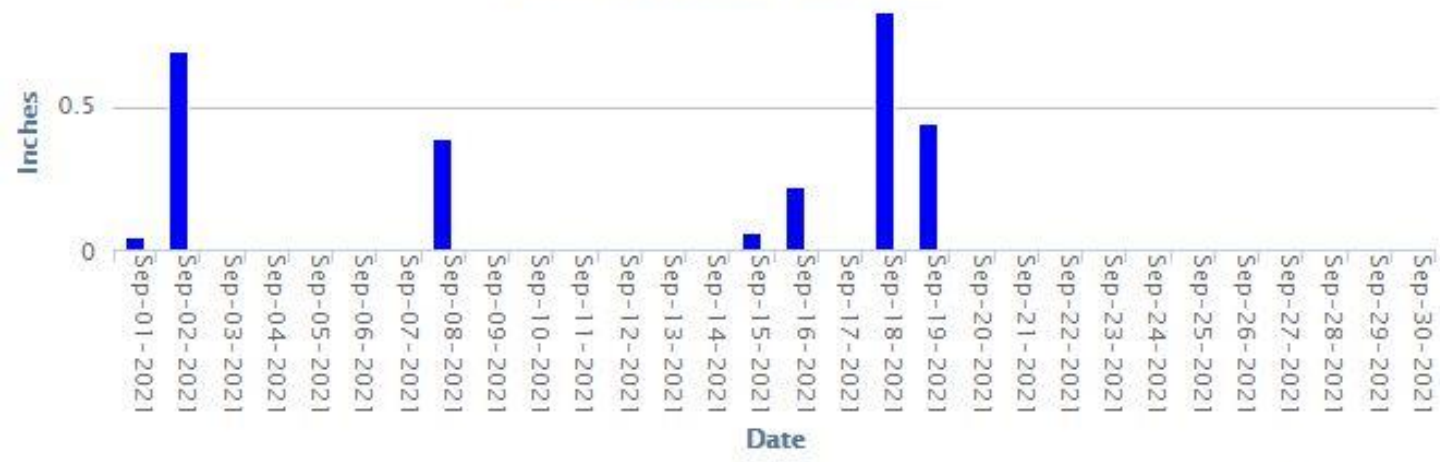


# SIRP Weather

Maximum Temperature, Minimum Temperature



Daily Cumulative Rainfall



For September, SIRP had 2.69 inches of rainfall, compared to 6.54 inches in August, 6.91 inches in July, & 8.77 inches in June. From Jan. 1 to Sep. 30, we've received 48.59 inches of rain so far, & still have 3 months to go.

To explore weather information, visit [www.georgiaweather.net](http://www.georgiaweather.net).



# Contact Information



## C.M. Stripling Irrigation Research Park

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Candace Gray (Admin. Associate): [sirp@uga.edu](mailto:sirp@uga.edu)

### Trivia:

Where is the Sea of Tranquility located?

Answer: The moon.

### Commit to Groundbreaking Research

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