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WITH UP-TO-DATE SOYBEAN PRODUCTION INFORMATION

MISSISSIPPI SOYBEAN PROMOTION BOARD

PROJECT NO. 55-2018

2018 ANNUAL REPORT

Title: Row Crop Irrigation Science Extension and Research (RISER) Program

PI: Dr. Jeff Johnson jjohnson@drec.msstate.edu

Objective: Provide first-hand learning opportunities for existing and new irrigation management tools.

Numerous one-on-one phone and on-farm consultations completed for producers interested in adopting the latest RISER-validated technologies.

Nine demonstration sites established and monitored on Delta farms showcasing Pipe Planner, flowmeters, surge valves, and soil moisture sensors. Follow-up visits made twice each week.

Pipe Planner assistance provided for approximately 4,500 acres.

The Mississippi Crop Situation Blog announced multiple Pipe Planner on-line training webinars as well as contact information for borrowing a flowmeter from county extension agents.

Pipe Planner Webinars:

Pipe Planner Webinars in November

<http://www.mississippi-crops.com/2018/11/12/pipe-planner-training-opportunities-this-week/>

Last Pipe Planner Training Sessions for November

<http://www.mississippi-crops.com/2018/11/26/last-pipe-planner-training-sessions-for-november/>

Pipe Planner Webinars for January

<http://www.mississippi-crops.com/2019/01/02/january-pipe-planner-trainings/>

Pipe Planner Webinars for February

<http://www.mississippi-crops.com/2019/02/04/9461/>

Popular press articles:

Soybean South, September 2018, “Riser Irrigation Program Helps Boost Water Use Efficiency”
soybeansouth.com/departments/feature/riser-irrigation-program-helps-boost-water-use-efficiency

Progressive Farmer, September 2018, “BMP Boost”

http://dtnpf-digital.com/publication/?i=518783#{%22issue_id%22:518783,%22page%22:0}



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Mississippi Crop Situation Blog articles:

The Cost of Flood Irrigation Soybeans, Year Three Summary

<http://www.mississippi-crops.com/2019/02/08/the-cost-of-flood-irrigation-soybeans-year-three-summary/>

Agricultural Water Research Center Opens, Grower Participation Needed

<http://www.mississippi-crops.com/2019/02/21/agricultural-water-research-center-opens-grower-participation-needed/>

Presentations:

Bryant, C. J., L. J. Krutz, M. A. Locke, B. R. Golden, T. Irby, D. B. Reynolds, and R. W. Steinriede Jr. 2018. In-Field Best Management Practices for Mid-South Irrigated Soybean Production. Agron. Conf. Proc. Nov. 4-7, Baltimore, MD.

Spencer, Gene, Jason Krutz, and Corey Bryant. 2019. Cover Crop Effects on Irrigation Water Use in Mid-South Corn and Soybean. Abstract presented at: 22nd Annual National Conservation Systems Cotton and Rice Conference. Baton Rouge, LA. 31 January – 1 February 2019.

Mid-South Irrigation Strategies. Dr. Jason Krutz. Delta Plastics & Sanders Irrigation Water Management Lunch Meeting. February 20, 2019.

A Pipe Planner Success Story. Mark Henry-MSU Extension Agent. Delta Plastics & Sanders Irrigation Water Management Lunch Meeting. February 20, 2019.