

Rice Research Verification Program Update –July 6, 2018

General:

By Ralph Mazzanti and Ron Baker:
In the south, the Chicot County field ranges from 10% heading to boot split. The Desha County field received its late-boot nitrogen application. Most fields are between early to mid-boot stage. The Clark County field is scheduled for a fungicide application for smut prevention due to the field history. Adequate flood levels have continued to be an issue and causing concern for blast disease. Low incidence of leaf blast has been detected in the Desha County field. Stink bugs are prevalent on grass escapes but hopefully will disperse over wide spread heading fields. Sheath blight is at minimal levels and not moving in all fields. Intense scouting will be necessary for the next several weeks.

In the north, nitrogen deficiency began to appear in areas of the Clay County field where the topsoil is thin. Urea was applied late midseason. The late boot application of urea planned for White and St. Francis counties has been delayed a few more days for better field-wide timing. Jackson is returning the flood to a normal level following a good recovery from hydrogen sulfide toxicity. No sheath blight treatment is recommended in program fields at this point but close monitoring will remain necessary for at least the next few weeks. The Ricestar application in Woodruff did not provide sufficient grass control; Regiment plus a surfactant containing UAN* was applied in the effort to at least suppress large barnyardgrass.

County	Cultivar	Stage	Additional Agronomic Details
Arkansas	Diamond	Early Boot	The field is fairly clean, disease free and progressing well.
Chicot	RT 7311 CL	Early Heading	The field has started heading and progressing at a fast pace. Has some grass escapes but has adequate flood.
Clark	RT XP753	Early Boot	Field has a minimum flood and 6 oz. Tilt is scheduled for a smut prevention.
Clay	CL153	Early Boot	75 lbs N in the form of urea applied in the flood.
Craighead	RT XP753	Mid Boot	Field continues to progress very well.
Desha	RT 7311 CL	Late Boot	Late boot nitrogen went out. Flood depth is below optimum in center of field. Early symptoms of leaf blast have been detected.
Jackson	Diamond	Mid Boot	Field recovered from hydrogen sulfide toxicity and growing well.
Jefferson	Diamond	Early to Late Boot	The field is progressing well. No disease detected and no smut prevention scheduled. The field has adequate flood depth.
Lee	Roy J	Early Boot	The field is fairly clean with a deep flood.
Lincoln	RT Gemini 214 CL	Early Boot	Field has multiple weed resistant issues and herbicide failures. Barnyardgrass, fall panicum, amazon sprangletop and weedy rice are prevalent throughout the field. Due to adjacent soybeans Facet and Clearpath could not be used early. Water level has been sporadic at best.
Lonoke	RT XP753	Mid Boot	The field is clean and growing well. Water struggling on bottom 3 paddies.
Poinsett	Diamond	Early Boot	Field progressing well.
Randolph	CL153	IE	GreenSeeker determined a mid-season nitrogen application not yet needed.
St. Francis	RT Gemini 214 CL	Mid to Late Boot	Field progressing well; boot application of nitrogen scheduled.
White	RT XP753	Mid to Late Boot	Field progressing well; boot application of nitrogen scheduled.
Woodruff	RT Gemini 214 CL	Tillering	Field has multiple herbicide failures; 0.63 oz Regiment plus surfactant with UAN applied post-flood; evaluation of barnyardgrass suppression pending.

*Urea and Ammonium Nitrate