

# Arkansas Rice Update

Dr. Jarrod Hardke

April 17, 2015

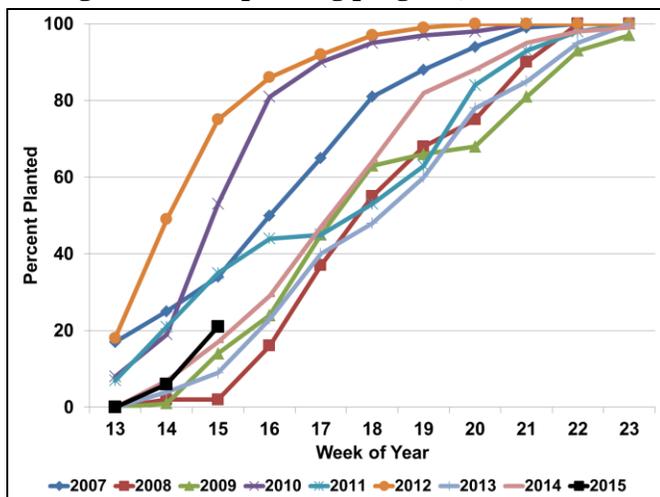
No. 2015-8

## Planting Progress

Hurry up and wait. There was very little, if any, progress anywhere in the state this week. The USDA progress report showed Arkansas at 21% planted – I'd say probably 45% of acres south of I-40 are planted and 5-7% of acres north of I-40 are planted (which actually works out to about 20% planted overall if you correct for acreage differences).

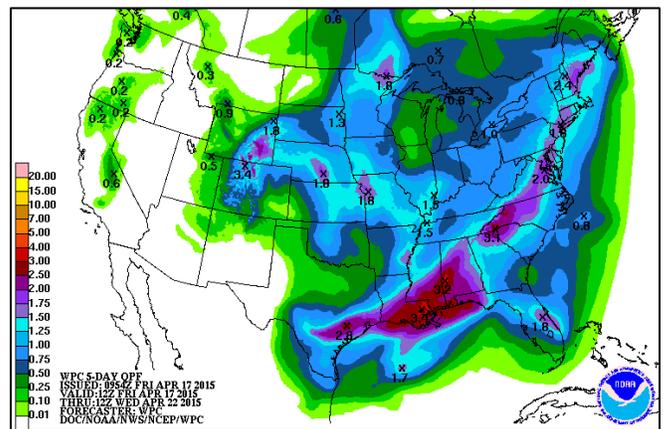
**Figure 1** shows planting progress information for 2007-2015. Of those 9 years – our current progress is ahead of 4 of the years (2008, 2009, 2013, 2014) and behind 4 of the years (2007, 2010, 2011, 2012). We're right in the middle – this doesn't do anything to make anyone feel better, especially those in the north. However, when looked at by week of year rather than just calendar date, you see that we're not that far off from many recent years. We do need some favorable conditions fairly soon though.

**Figure 1. Rice planting progress, 2007-2015.**



The rain forecast has backed off considerably this weekend (that doesn't mean it's gone away, unfortunately). **Figure 2** shows the precipitation forecast for the next 5 days. What you don't see is a pretty significant drop in total precipitation compared to models a day or two ago. Basically I'm trying to say that less rainfall is better right now, even though everyone is wishing for none.

**Figure 2. 5-day precipitation forecast (4/17-4/22).**



## Plenty of Water for Water Seeding

We talked about water seeding earlier in the year, but it sounds like the practice may be gaining a little more traction right now with the continued wet conditions. Here's a repeat of that earlier information:

Field preparation – did you prepare the field with water-seeding in mind? If so, get after it when the weather is right. If you didn't, then there are some factors to consider. If the field is slicked off then you'll have difficulty getting the seed to hold in place when flown on. A few ways to help with this – pre-sprout the seed,

Visit our website at <http://www.uaex.edu>

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating  
The University of Arkansas Cooperative Extension Service offers its programs to all eligible persons regardless of race, color, national origin, religion, gender, age, disability, marital or veteran status, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.



# Arkansas Rice Update

Dr. Jarrod Hardke

keep a minimum flood depth of no more than a 1-2 inches to minimize seed drift, back the field down to muddy as soon as the seed pegs down.

A completely slicked off field is probably the most risky situation for water-seeding due to the risk of seedling drift. If you have access to a track tractor and a cleated roller, one tactic is to run the roller over the field while it's a little damp and basically turn the upper 1-inch into "pudding". Seed flown into the pudding will stick and sink into the mud immediately. Success can be had with this method using dry seed as well as pre-sprouted seed.

Fields that still have a rough surface from disking or other tillage are better candidates for last-minute decisions to water-seed rice. In these fields, pre-sprouted seed will fall to the lowest points, which will be in the cracks created by clods in the field. Follow the other general methods mentioned above, but here the risk of seedling drift is greatly reduced.

**For pre-sprouting rice seed: 24-36 hours soaking in water followed by 24-36 hours out of the water – then fly it on.**

Seed treatments in water-seeded rice: CruiserMaxx Rice or NipsIt INSIDE treated seed cannot be water-seeded. Period. Labels for the fungicides Apron XL, Maxim XL, and Dynasty do not prohibit aerially broadcasting or water-seeding rice. However, they cannot be pre-soaked – must be flown as dry seed. If you fly dry fungicide-treated seed into standing water you likely won't get much benefit from them because it will be lost in the water.

Dermacor is the only insecticide-seed treatment labeled for water-seeding in rice. Since rice water weevil infestations are worst in

water-seeded rice, this is good since Dermacor is the best seed treatment for rice water weevil management. Seed treated with Dermacor cannot be pre-soaked and must be flown on dry.

We do have a Section 18 for AV-1011 seed treatment that is a bird repellent. Since water-seeded fields can be more susceptible to bird depredation, it's something to consider to minimize seed loss.

**Table 1. Factors for increasing seeding rate for water-seeded rice.**

Variable	% Added
Water Seed <sup>1</sup>	30
<b>Seedbed Preparation</b>	
No-till	20
Conventional till	
Good (Grooved)	0
Poor (Ungrooved)	20
<b>Seeding Date</b>	
Early	
Before April 5 (South AR)	10
Before April 10 (Central AR)	10
Before April 15 (North AR)	10
Optimum Dates	
Late (after June 1)	10

<sup>1</sup>Based on optimum seeding rate (Table 3). Factors are additive to a maximum of 60% above optimum.

## Bacterial Panicle Blight of Rice in Arkansas

<http://www.arkansas-crops.com/2015/04/15/bacterial-panicle-arkansas/>

Visit our website at <http://www.uaex.edu>



DIVISION OF AGRICULTURE  
RESEARCH & EXTENSION

University of Arkansas System

# Arkansas Rice Update

Dr. Jarrod Hardke

## Rice Research Verification Program Update

<http://www.arkansas-crops.com/2015/04/13/research-verification-program-update-april/>



The improved DD50 program is now up and running at <http://DD50.uaex.edu>. Changes have been made to improve your experience on both your computer and your **mobile devices**. Please let us know what you think about the changes and usability of the program.

## Additional Information

Arkansas Rice Updates are published periodically to provide timely information and recommendations for rice production in Arkansas. If you would like to be added to this email list, please send your request to [jhardke@uaex.edu](mailto:jhardke@uaex.edu).

This information will also be posted to the Arkansas Row Crops where additional information from Extension specialists can be found. Please visit the blog at <http://www.arkansas-crops.com/>.

More information on rice production, including access to all publications and reports, can be found at <http://www.uaex.edu/rice>.

## Acknowledgements

We sincerely appreciate the support for this publication provided by the rice farmers of Arkansas and administered by the Arkansas Rice Research and Promotion Board.

The authors greatly appreciate the feedback and contributions of all growers, county agents, consultants, and rice industry stakeholders.

Visit our website at <http://www.uaex.edu>

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating  
The University of Arkansas Cooperative Extension Service offers its programs to all eligible persons regardless of race, color, national origin, religion, gender, age, disability, marital or veteran status, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.