



Arkansas Rice Update

Dr. Jarrod Hardke, Dr. Trent Roberts, & Scott Stiles

June 5, 2020 No. 2020-12

www.uaex.edu/rice



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Every Which Way But Loose

“Right turn, Clyde.”

Planting pretty, planting iffy, and planting ugly. In some places all three! We seem to be in “hurry up and mess up” mode for the last week or so. Anything that can go wrong, will go wrong.

When Tropical Storm Cristobal arrives in Arkansas sometime Monday, you can call rice planting for the state 99.9% at that point. Rains have seemingly come out of nowhere throughout this past week and when combined with rain from Cristobal will end those remaining planting intentions.

In a year where each week seems stranger than the last, this one was interesting as well. We had flash floods blowing out levees and within a mile up the road dust clouds blowing behind equipment working bean ground.

We seem to be trying to divide our time between getting rice to flood and getting soybeans planted. My money is on getting the rice fertilized and flooded on time. Delaying getting rice to flood could cost you an additional herbicide application which could be pretty costly. Delaying fertilization of rice can also have a yield penalty especially as we pass the final N date. This yield penalty for delaying getting rice to flood can be greater than the yield loss associated with delaying soybean planting by a week or two. So, getting rice fertilized and flooded looks like the smart money play at this point. Even better if we can find a way to flood rice and plant beans at the same time.

Rice that didn't catch rain this week is struggling mightily and needs a flush or the forecast rain. The sooner we can get it a drink, and some fertilizer, the better it's all going to look and feel.

Fig. 1. AR Rice Planting Progress 2010-2020.

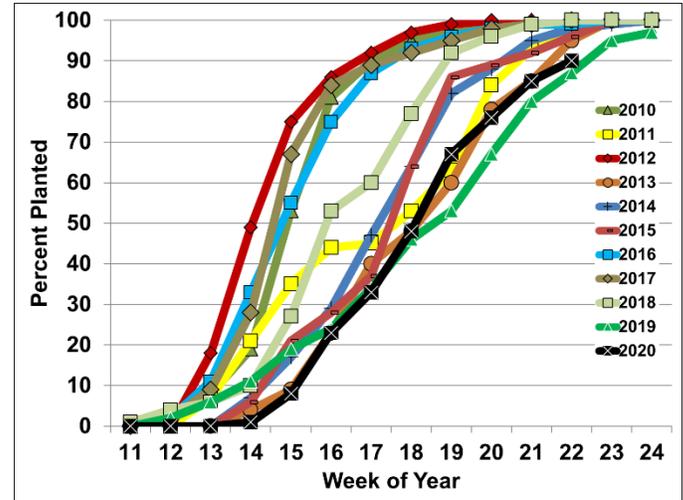


Fig. 2. Who wants to lay odds on the next calamity of 2020?



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

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

The University of Arkansas Division of Agriculture offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.



Arkansas Rice Update

Dr. Jarrod Hardke, Dr. Trent Roberts, & Scott Stiles
June 5, 2020 No. 2020-12

www.uaex.edu/rice



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Nitrogen Rate Recommendations

The [Nitrogen Rate Calculator](#) is available to help get immediate N rate recommendations for most available cultivars. The calculator is built to account for N rate adjustments based on cultivar, soil texture (soil type), and previous crop. These are base recommendations and actual N rate used should be adjusted based on experience and additional tools such as N-STaR sampling and GreenSeeker readings.

Fig. 3. Nitrogen Rate Calculator example screenshot from a smartphone.

riceadvisor.uaex.edu

U of A
DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

RICE
ADVISOR

Nitrogen Rate Calculator

Cultivar:
Soil Type:
Previous Crop:

Diamond
Silt/Sand
Soybean

Lbs N/Acre

Single Preflood[†]: 130
Preflood: 105
Midseason: 45
Late Boot[†]: n/a

Lbs Urea/Acre

Single Preflood[†]: 283
Preflood: 228
Midseason: 98
Late Boot[†]: n/a

Table 1. 2020 Recommended Nitrogen Rates & Distribution for Rice Cultivars in Arkansas*.

Cultivars	SPF [†] N Rate	Rates and Distribution for 2-way Split Application			
		Total N Rate	PF N Rate	MS N Rate	Boot N Rate
		—— lbs N / Acre ——			
CL151 ^v	100	120	75	45	—
Della-2 Jazzman-2 Roy J	115	135	90	45	—
CL111 CL153 CL163 CLL15 CLM04 Diamond Jupiter LaKast PVL01 PVL02 Titan	130	150	105	45	—
RT 7301 RT 7321 FP RT 7501 RT 7521 FP RT CLXL745 RT Gemini 214 CL RT XP753	—	150	120	—	30

* Base recommendations for rice following soybean on a silt loam soil.

† SPF = single preflight; PF = preflight; MS = midseason.

See [2020 Rice Management Guide](#) for more details.

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

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

The University of Arkansas Division of Agriculture offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.



Arkansas Rice Update

Dr. Jarrod Hardke, Dr. Trent Roberts, & Scott Stiles
June 5, 2020 No. 2020-12

www.uaex.edu/rice



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Nitrogen Management Plans

Flood-Irrigated Rice:

While we have seen a drier period emerge, unexpected rains are popping up to further complicate matters. Next week a hurricane has the potential to drop several inches of rain across Monday and Tuesday. With those things in mind, we need to be prepared to manage nitrogen (N) in several different ways.

Dry soil: Use urea treated with a recommended NBPT product to minimize volatilization losses which occur when urea is left on the soil surface unincorporated by flood or adequate rainfall. Potential N shortfalls can be caught and corrected with no yield penalty postflood.

Muddy soil: Wait until near the final recommended time to apply N (based on DD50) before doing anything. Once you near that date, use urea treated with a recommended NBPT product and apply to field. Attempt to let the soil dry underneath the urea if possible, but if rain or conditions do not allow, then flood the field once you pass the final N date. If muddy conditions are present and unlikely to dry before next rains, increase pre-flood rate by 20-30 lb N/acre and begin flooding.

Flooded field: If conditions create standing water through the final N date, set spills and begin applying N in a “spoon-feed” manner – 100 lb urea/acre once a week for 3-4 weeks. For hybrids, a minimum of 3 and possibly 4 applications of 100 lb urea/acre is needed to maximize yield. For varieties, a minimum of 4 and possibly 5 applications of 100 lb urea/acre is needed to maximize yield.

Furrow-Irrigated Rice:

Please see the [Arkansas Furrow-Irrigated Rice Handbook](#) for more details. Here is a short summary. Keep in mind we’re working from the idea of splitting up your normal pre-flood (pre-irrigation) rate you would use in flood-irrigated rice.

On silt loam soils, a few options are available. You can apply 50% of pre-irrigation N at 5-leaf, followed by 50% 10-14 days later, and you may need an additional 100 lb urea/acre 7 days after that. You may also use a split of three applications of 100 lb urea/acre spaced 7-10 days apart, and you may need an additional 100 lb urea/acre application. The question of the additional N in each option will be based on native soil N and overall crop management.

On clay soils, the best option has been to apply 50% of pre-irrigation N at 5-leaf followed by 50% 10-14 days later followed by a third application of 100 lb urea/acre 7-10 days later. This option has consistently resulted in the highest yields on clay soils in research trials.

It is recommended that each of these applications be treated with an NBPT product. Also, we recommend applying them to the entire field as we have seen a response to all applications at both top and bottom of the field.

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

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

The University of Arkansas Division of Agriculture offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.



Arkansas Rice Update

Dr. Jarrod Hardke, Dr. Trent Roberts, & Scott Stiles
June 5, 2020 No. 2020-12

www.uaex.edu/rice



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Rice Market Outlook

As of Thursday's close, July rice futures trade at \$22.065/cwt. The key feature is the fact trading began the week and month at \$17.20. With old crop stocks essentially out of producer's hands, there's nothing to rule out a retest of the 2008 "crazy" highs near \$25/cwt. Expect the week to finish with profit-taking. Index funds will start rolling from the July contract into deferred contracts this Friday.

Based on phone calls this week, growers are keenly interested in the almost \$10 July/September futures spread and the feasibility of a short July / long September trade. Best Wishes with that. There are good arguments from both the bulls and bears in the September contract. From a bearish standpoint, rice acreage will increase in 2020. Production uncertainty lies in the lateness of this year's crop. The lateness of the crop could have the September contract trading much like the old crop July contract—which is dominated by supply tightness. A more informed discussion can take place after the June Acreage report.

CME September 2020 Rough Rice Futures



The weekly Export Sales report featured long-grain sales of 24,296 MT, which was up sharply from last week's 6,578 MT. Year-to-date long-grain export sales have reached 2.429 MMT, up 7 percent from last year and right in line with USDA's year-to-

year projected change in old crop exports. Long-grain shipments are running 16% ahead of last year and account for 87% of export sales to date.

The U.S. rice crop is 93 percent planted as of Monday's USDA report, which is ahead of last year's pace (89 percent by the same day). Arkansas was 90% planted versus 85% last year.

Calendar:

June 11 (11:00 a.m. Central) USDA *World Agricultural Supply and Demand Estimates / NASS Crop Production*.

June 15 Federal Crop Insurance Final Planting Date for Soybeans - Not following another crop.

June 25 Federal Crop Insurance Final Planting Date for Soybeans - Following another crop.

June 30 Deadline to complete enrollment in ARC/PLC for the 2020 crop year.

June 30 USDA-NASS *Acreage, Grain Stocks, Rice Stocks, Agricultural Prices*.

Reminder: Signup is underway for the **Coronavirus Food Assistance Program (CFAP)** and will extend through August 28, 2020. USDA Service Centers are open for business by phone appointment only. Please call your office prior to sending applications electronically.

As of June 3, Arkansas producers had submitted 887 applications for non-specialty crop CFAP payments totaling almost \$1.1 million dollars. Eligible non-specialty crops include: malting barley, canola, corn, upland cotton, millet, oats, soybeans, sorghum, sunflowers, durum wheat, and hard red spring wheat.

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

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

The University of Arkansas Division of Agriculture offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.



Arkansas Rice Update

Dr. Jarrod Hardke, Dr. Trent Roberts, & Scott Stiles

June 5, 2020 No. 2020-12

www.uaex.edu/rice



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

DD50 Program is Live

While planting progress has only just begun, we do have rice emerged. With that in mind, the DD50 Rice Management Program is live and ready for fields to be enrolled for the 2020 season. All log-in and producer information has been retained from the 2019 season, so if you used the program last year you can log-in just as you did last year. Only field data from 2019 has been removed. Log-in and enroll fields here: <https://dd50.uaex.edu/>.

Here's a recent article on the DD50 program:

[Use the DD50 Rice Management Program to Say Ahead in 2020.](#)

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 rice@uaex.edu.

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

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.



Specialist	Area	Phone Number	Email
Jarrod Hardke	Rice Extension Agronomist	501-772-1714	jhardke@uaex.edu
Tom Barber	Extension Weed Scientist	501-944-0549	tbarber@uaex.edu
Nick Bateman	Extension Entomologist	870-456-8486	nbateman@uaex.edu
Tommy Butts	Extension Weed Scientist	501-804-7314	tbutts@uaex.edu
Gus Lorenz	Extension Entomologist	501-944-0942	glorenz@uaex.edu
Ralph Mazzanti	Rice Verification Coordinator	870-659-5507	rmazzanti@uaex.edu
Trent Roberts	Extension Soil Fertility	479-935-6546	tlobert@uark.edu
Scott Stiles	Extension Economist	870-219-8608	sstiles@uaex.edu
Yeshe Wamishe	Extension Rice Pathologist	870-659-6864	ywamishe@uaex.edu

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

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

The University of Arkansas Division of Agriculture offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.