



People Dedicated to the Field of Rice



PREFLOOD 2011

Published for the customers of RiceTec, Inc.

GET IT RIGHT THE FIRST TIME

Dr. Brian Ottis

Arguably the most important input a rice farmer can add to a rice crop is the pre-flood nitrogen fertilizer. As long as your other nutrients are at optimal levels, the pre-flood nitrogen application is typically what sets your yield potential. Therefore, it is extremely important to keep in mind a few things that will maximize this application and help you realize the most out of your RiceTec Hybrid Rice.

Get the proper rate out there.

Soil Type (texture)	South AR, MS, LA	AR Grand Prairie, NE AR, SE MO	TX, East and S of Houston	TX, W of Houston
Silt soil (med)	120-0-30*	120-0-30	120-0-30	90-0-30
Sandy soil (coarse)		90-0-30		90-0-30
Clay soil (fine)	120-0-30	120-0-30	120-0-30	120-0-30

*(120-0-30) – Preflood N-Midseason N-Boot N

These recommendations do not vary by hybrid, but may be adjusted according to specific situations or cropping history on your farm.

Get the timing right. The recommended time for applying pre-flood nitrogen is typically when rice reaches the four-leaf, one-to-two tiller stage of growth. This stage of growth generally occurs approximately 30 days after emergence.

Get the conditions right. It is very important that pre-flood nitrogen be applied to dry ground in order for the fertilizer to move down into the soil upon addition of the floodwater and to reduce ammonia volatilization. It is almost always better to wait for the right soil conditions rather than applying fertilizer in the water or on muddy soil. Also, if you are in a situation where it may take more than 3-5 days or longer to flood the field, the use of Agrotain™ is highly recommended to keep from losing your nitrogen to ammonia volatilization. With the unimaginable weather we've experienced this year, getting the right conditions may be a one-shot deal. Yield lost due to improper pre-flood nitrogen application is not recoverable, so get it right the first time.

If you have any questions about fertilizing RiceTec Hybrid Rice, please feel free to contact your Technical Service Representative for the correct recommendation for your area.



- Remember to check our website for updates, information, and details on programs.
- Remember to follow the guidelines set forth in Clearfield stewardship agreements.
- All unused seed must be returned by June 15th for credit.



Also available on our website: WWW.RICETEC.COM



DNA Tested and Quality Approved

Shahara Anderson

At RiceTec take great pride in our hybrids in order to ensure that farmers have correctly placed their trust in us when they select our hybrids for their planting purposes. We own two state of the art laboratories: a DNA Marker Lab and a Rice Quality Lab. We use these laboratories to put our hybrids through a rigorous battery of tests before they reach your farm. We grow our hybrids in four stages and our assistants and technicians test the rice at each stage in order to ensure that our standards are met or surpassed. Some of these tests include grain property characterization, disease evaluation, and yield and agronomic analyses. Both of our labs run numerous tests to make sure that our hybrids are the best quality possible.

The Marker lab focuses on the “inner workings,” and performs extensive DNA testing on all hybrids and their parents, from stage 1 to the marketing/release stage. Our tests in the Marker lab begin with the “parents” of the hybrid. These tests ensure the parents are pure and also provide a “fingerprint” for the parents. Next, we perform DNA tests on the hybrids received from breeders to make sure that 1) the samples are indeed hybrids and 2) that the hybrids pass RiceTec’s stringent internal standards. In our final stage of testing, we subject the samples to quality and purity analyses one last time before selling them to farmers. While the Marker lab is testing the “inner workings” of the parents and hybrids, the Quality lab is testing the inner and outer characteristics that farmers and others in the rice industry seek. Testing in the Quality lab occurs in each of the four stages of a hybrid’s development. In each stage, we perform three main tests: amylose testing- checking the starch content, ASV testing- checking the gel temperature, and grain dimension and chalk analysis. We remove any sample that does not pass the testing and we do not allow that sample to continue in the process. In our last two stages, “stage four” and “hybrids ready for release,” we perform more advanced testing including: DSC- verification of ASV testing, in-depth grain dimension analysis including thickness, and RVA testing (cooking quality). We routinely and rigorously test all hybrids and parents throughout the year, in keeping with our high standards.



RiceTec’s Quality Assurance Team

RiceTec works diligently to ensure that its seed products are the best in the market. We don’t just test our hybrids at one level; we use our state of the art laboratories to perform rigorous tests at many levels. Our hybrids are simply not just tested; they are ***DNA tested and Quality Approved***. We work hard to ensure that our company is one that farmers can trust and rely on for quality hybrid rice seed.

Water Weevil Management

Rice water weevils can cause extensive damage, as seen in the bottom photograph, if left untreated. If you treated your seed with Dermacor® X-100, Cruiser-Maxx® or Nipsit® seed treatments, you should have enough protection. If you did not use a seed treatment consider applying a pyrethroid by air within 5 days following the flood or tank-mix with your preflood herbicide on fields that always seem to have problems with rice water weevils.

When the adults lay eggs in the water, the only option is to drain the field to the point the ground cracks and the larva are killed. If this happens you must consider applying additional nitrogen due to the loss of preflood nitrogen after draining the field. Apply 100 lbs of urea and flood the field.

If you have already applied the flood, scout for adult weevil feeding scars on new leaves as soon as possible following the flood. If you find damage on 60% of the leaves an application would be justified. If root pruning is already severe due to larval feeding, draining the field is the only option at that point, and yield loss has already occurred.

Jeff Branson



Preflood 2011

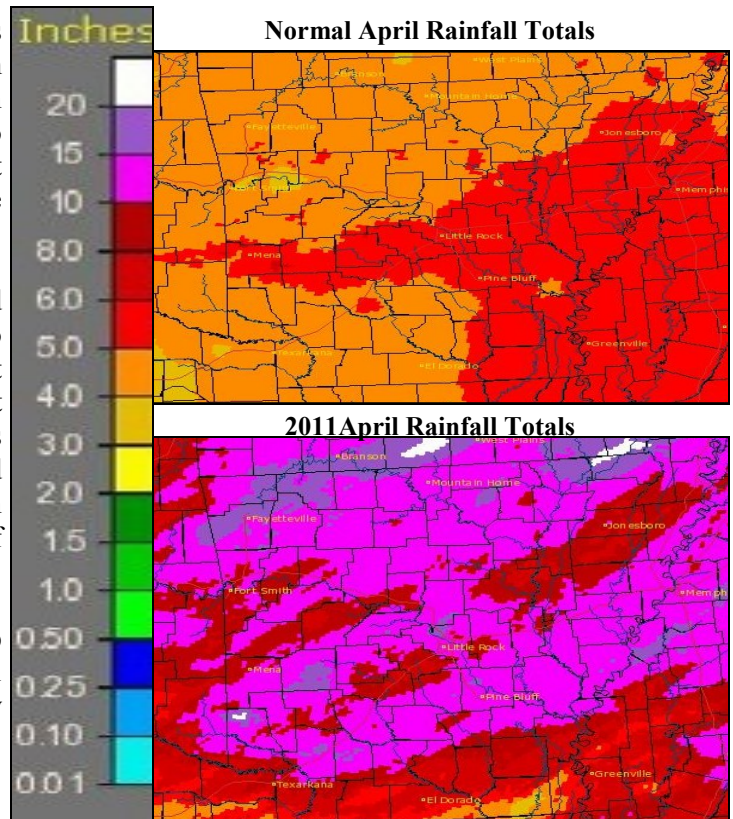
Flood Waters Cause Major Damage Across Mid-South

Jeff Branson

Torrential rainfall that fell for the most part of April has caused many problems across the region. The precipitation maps show that some areas of Arkansas received as much as 20 inches of rainfall for the month of April. Similar to what happened in 2009 thousands of acres of rice went under water for at least a week, and some as long as three weeks.

The fields that had emerged before flooding occurred, and were only under water for a week, have slowly started to recover in the southern part of Arkansas. Some fields that were under much longer have had some reduction in plant populations, but in many cases there are still enough plants per square foot that replanting is not justified. A thin stand at the end of May will produce a higher yield than replanting and emergence occurring the second week of June.

The photographs below illustrate the typical results of deep water on small rice. The leaves will stretch and usually fall over and stick in the mud. New growth will take a few days, and will come from the soil surface.

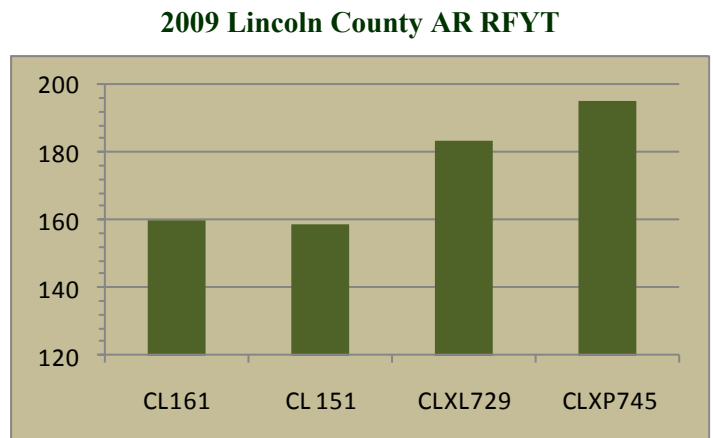


Even with a late start, RiceTec Hybrids finish strong!

At RiceTec, we realize that heavy rains have forced farmers to delay planting in many areas of the Midsouth. If you're planning to grow varietal rice, that can mean added stress on rice plants – and on you.

RiceTec Hybrids outperform varietal rice and can better tolerate the stresses that come with later planting. Even with a late start, farmers who choose RiceTec Hybrids can still finish with great yields! The Graph illustrates hybrid performance following the same conditions that we are experiencing this year. The trial was underwater for 2 weeks in 2009.

Ask your local RiceTec technical services representative for details, or call us at 877-580-7423 today.





RiceTec, Inc.

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**RiceTec Newsletter
Preflood 2011**

- Get it Right the First Time
- DNA Tested and Quality Approved
- Water Weevil Management
- Flood Waters Cause Major Damage Across Mid-South
- Even with a late start, RiceTec Hybrids finish strong!

RiceTec Service Contacts

Technical Services

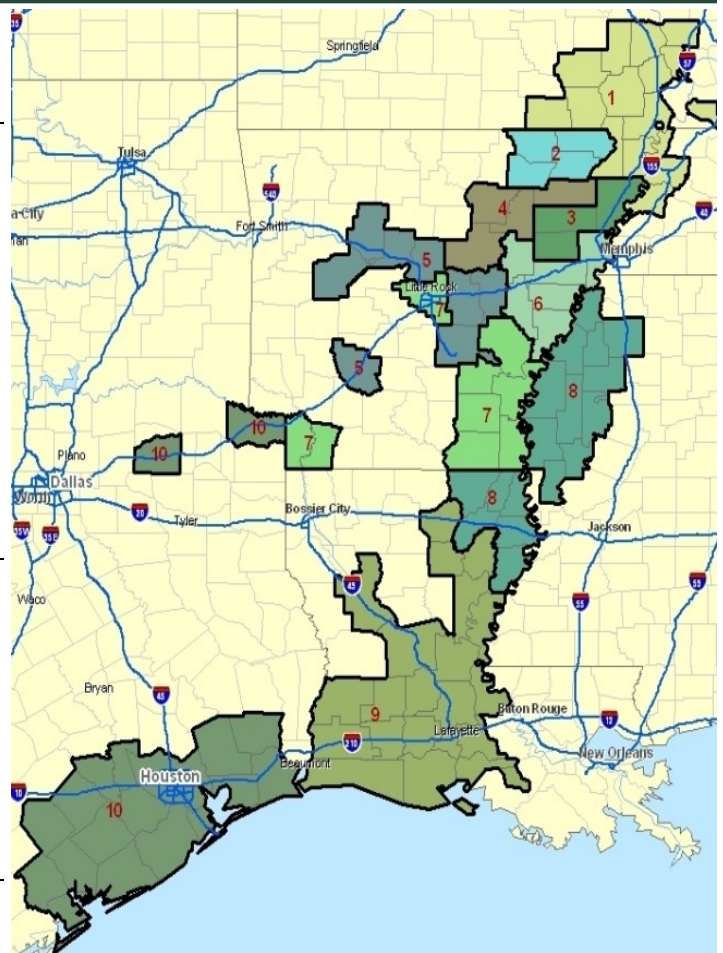
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Toll-free	Rebecca Wright	877-580-7423
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Email addresses for representatives available at www.RiceTec.com