



People Dedicated to the Field of Rice

PREFLOOD 2010

Published for the customers of RiceTec, Inc.

Consider Conditions When Making Preflood Herbicide Decisions

Dr. Brian Ottis

The Gulf Coast and Midsouth rice growing regions have experienced the opposite ends of the spectrum this year as far as weather is concerned. The Gulf Coast has experienced unseasonably dry conditions, forcing growers to flush (multiple times in some instances), whereas conditions in the upper Midsouth are mostly wet. These differing weather patterns can greatly affect preemergence herbicide efficacy. So, as we approach the permanent flood, take all of the conditions into consideration when making your herbicide decisions.

Hopefully by now you've had good rainfall or a flush to activate your preemergence herbicides. So far this year, I've seen really good grass control due to the rainfall in the upper Midsouth; however, this is not the case the further south I travel. Therefore, preflood weed control will vary depending on your situation. For the most part, I like to take care of broadleaf weeds at a mid-post or preflood timing. Compared to grasses, broadleaf weeds are not as competitive, and unless its big smartweed, we can usually control it with our existing herbicides.

When considering weed control, consider size, species, presence of resistance, and the ability to flush or flood quickly as the main factors when choosing herbicides. Postemergence herbicides like Newpath®, Clearpath®, Facet® (Quinstar®, Broadhead™), and Rice-Beaux® require activation by flush or rainfall, or they will not work as intended. Clincher and Ricestar HT® are different in that they require wet soil conditions prior to herbicide application to be effective. Hence, Clincher® and Ricestar HT are seldom used preflood because dry soil conditions are needed in order for the preflood fertilizer to be effective. ALS-inhibiting herbicides like Grasp®, Regiment®, Strada®, Permit® and Londax® always work best with adequate soil moisture and good growing conditions.

As you have probably heard, ALS-resistant barnyardgrass has been found in Arkansas. I have no doubt that it is elsewhere waiting to be discovered, so please take this into consideration as you make your herbicide decisions this spring. Although they are popular, I'm not a big fan of mixing other ALS herbicides (Regiment, Permit, Grasp, Londax, Strada) with Newpath unless something else is in the tank or another application for grass has been made with a different mode of action. Relying solely on ALS chemistry puts too much pressure on Mother Nature to adapt and has resulted in resistance. Consider adding propanil, Basagran®, Aim®, Bolero®, or Facet (Clearpath) as tank mix partners to provide additional weed control and mitigate resistance. There are some new herbicide premixes with multiple modes of action available this year that may be worth investigating before spending your herbicide dollar this spring.

If you have further questions about weed control in RiceTec Hybrid Rice, consult your local technical services representative.

- Remember to check our website for updates, information, and details on programs.
- Please be sure to enter your emergence in your states DD50 program.
- All unused seed must be returned by July 10th for credit.



Also available on our website: WWW.RICETEC.COM



RiceTec Hybrid Preflood Nitrogen Rates

Greg Simpson

RiceTec recommends 30 units of N/ac at late boot or as a delayed midseason application with the remaining N to be applied preflood. Total N requirements are dependent on soil type and other adjustments such as previous crop. All N adjustments should be made to the preflood application. The late boot application timing is due to a difference in physiology between RiceTec hybrid rice and other commonly grown varieties. Delaying traditional midseason nitrogen applications to late boot has resulted in increased grain and milling yields and increased standability under adverse environmental conditions. Midseason nitrogen applications may be warranted if preflood nitrogen was lost due to delayed flooding or loss of the permanent flood after nitrogen application.



RiceTec Hybrid rice final plant stand is targeted at 8 to 10 plants per square foot. Multiyear head to head comparisons have shown that nitrogen adjustments can increase yield potential in situations where stand density is a concern. Ammonium sulfate at a rate of 100 lb/acre applied at the 1 to 2 leaf growth stage can help preserve yield potential with plant populations less than 5 plants per square foot.

Factors that can increase nitrogen use efficiency and protect your yield potential include:

- Applying urea to dry, crusted soil to ensure that nitrogen will move down the soil profile once flooded.
- Applying the recommended nitrogen rate for each soil type to maximize yield potential.
- Applying the flood immediately following preflood N application.
- Using Agrotain® to protect preflood urea from ammonia volatilization or if applications of urea are made when dry soil conditions can not be obtained.

Soil Type	South AR, MS, North LA	South LA	Grand Prairie AR, North East AR, South East MO	TX, East and South of Houston	TX, West of Houston
Silt Loam	120-0-30*	120-0-30	90-0-30	120-0-30	90-0-30
Sandy Loam			90-0-30		90-0-30
Clay Soils	120-0-30	120-0-30	120-0-30	120-0-30	120-0-30

Seed Return Deadline Approaching

As a reminder, fall program seed is not returnable to RiceTec, but once planting is done, please call your RiceTec representative and Service Partner to let them know if you have any leftover. Although Fall Program seed is not returnable, we will do our best to help move leftover seed via customer-to-customer transactions until planting is done in all areas. A couple reminders on the return program:

- Spring Program seed is returnable, up to 10% of what was purchased in Spring Program, in unopened paper bags and/or MB that are in good, re-sellable condition NO LATER than July 10th, 2010
- Returns made between July 10th and July 31st, 2010 will be assessed a 15% restocking fee
- After July 31st, no returns will be accepted
- In order to help track returns and issue credits, a Return Ticket must be completely filled out and signed by the customer and the Service Partner at time of return

Water Weevil Management

Jeff Branson

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 or Cruiser-Maxx® 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 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.



2010 RiceTec Field Days



Be sure to attend the RiceTec Field Day in your area, or feel free to visit both our Alvin, Texas and Harrisburg, AR locations. The Field Day in Alvin is scheduled for June the 24th and the Arkansas Business Center field day is August the 12th. Drop by to see the latest hybrids in our yield trials and see some of the hybrids not yet commercially available. We also have many other trials to see on our research farms. Check out our website or our later newsletters for more details on the RiceTec Field Days.

2010 Field Day Schedules

- 6/24/10 RiceTec Alvin Field Day- Alvin, TX**
- 6/29/10 TAM Eagle Lake Field Day- Eagle Lake, TX**
- 7/1/10 Rice Research Station Field Day- Crowley, LA**
- 7/8/10 TAM Beaumont Field Day-Beaumont, TX**
- 7/15/10 Agronomic Crops Field Day-Stoneville, MS**
- 8/11/10 Arkansas Rice Research Field Day-Stuttgart, AR**
- 8/12/10 RiceTec Harrisburg Field Day-Harrisburg, AR**
- 8/26/10 Missouri Rice Council Field Day-Glennonville, MO**

More field days will be announced as they become available.



RiceTec, Inc.

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**RiceTec Newsletter
Preflood 2010**

- Consider Conditions When Making Preflood Herbicide Decisions
- RiceTec Hybrid Preflood Nitrogen Rates
- Return Unused RiceTec Seed To Your Service Partner
- Water Weevil Management
- 2010 RiceTec Field Days

RiceTec Service Contacts

Technical Services

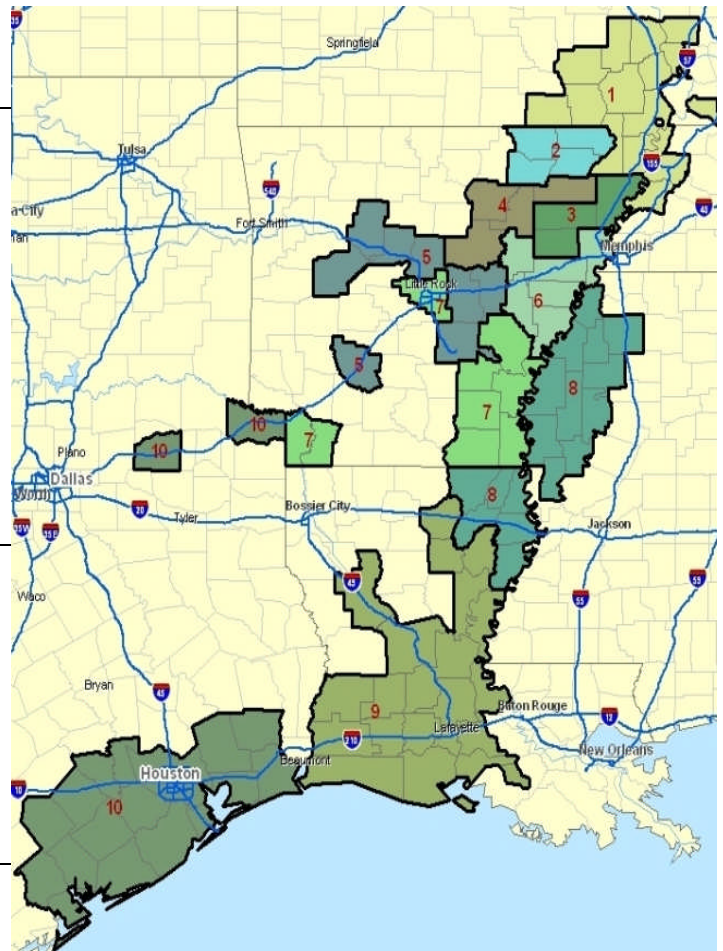
District 1	Barry Barnett	870-273-4988
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District 3	Kurt Johns	870-243-4696
District 4	William Hutchens	870-273-9291
District 5	Whitney Jones	501-516-6904
District 6	Garrison Hardke	501-772-1715
District 7	Jeff Branson	870-578-8436
District 8	Jay Burchfield	662-402-2781
District 9	Cullen Minter	337-499-6498
District 10	Derrol Grymes	281-381-9371

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Districts 8	Jeff Mosley	662-719-1034
Districts 9	Mike Worthington	337-263-4297
Districts 10	Mark Spilman	281-389-3527

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Email addresses for representatives available at www.RiceTec.com