



Dr. Chuck Wilson, Dr. Rick Cartwright, and Dr. Bob Scott

May 21, 2010

No. 2010 – 5R

INTRODUCTION – This is the fourth issue of the Arkansas Rice Newsletter for the 2010 production season. If you know of someone who would like to be added to the e-mail list, please send an e-mail to: cwilson@uaex.edu.

I have set up a blog to distribute information in addition to the newsletter. If you are interested, you can visit the blog at <http://arkansasrice.blogspot.com>

CROP CONDITION AND STATUS – The weather this spring has allowed rice to be planted across most of the state at record pace. As of May 16, farmers had planted an estimated 97% of the rice acreage. This compares to 95% last week and only 68% this time last year. It is also well ahead of the 5-year average of 84% for this week. The USDA estimates that 90% of the rice acreage has emerged. This compares to 55% last year at this time and 69% for the 5-year average. Our planting progress is 2-3 weeks ahead of the 5-year average and a month ahead of last year. As of May 16, 14% of the crop is reported to be in excellent condition, 53% good, 29% fair, and 4% poor.

Average temperatures were near normal ranging from 1 degrees below normal at Newport to 7 degrees above normal at Monticello for the week ending May 16. Low temperatures ranged from 43 degrees at Marianna to a high of 92 degrees at Stuttgart. Rainfall for the week ending May 16 ranged from a low of 0.08 inches at Warren to a high of 4.2 inches at Fayetteville. Overall, soil moisture supplies were 13% short, 56% adequate, and 31% surplus.

Much of the rice is reaching the stage for flood establishment and several thousand acres have already been flooded. Remember to wait until the soil dries to apply pre-flood nitrogen fertilizer and then apply a shallow flood as quickly as possible.

Very early estimates suggest that CL 151 is the most widely planted variety so far (about 23% of the acreage). The next most widely planted varieties are Wells (16%), Rice Tec CL XL 745 (16%) and Jupiter (12%). These numbers are preliminary and may change as we get more information available.

PREFLOOD CONTROL OF LARGE BARNYARDGRASS (Bob Scott) – Many calls are coming in right now on pre-flood grass control. This is a time when many turn to RiceStar HT to take out larger grass or grass that is resistant to propanil, Facet or both. The federal label for RiceStar HT goes up to 17 oz/A, however, in Arkansas we have a State 24C label for rates as high as 24 oz per acre. When do you need the higher rate? Pretty simple, the larger the grass the higher the rate. On small grass, 2-3 lf, 17-18 oz of RiceStar will do the trick. As barnyardgrass and other grass gets bigger, I up the rate. At 2-3 tiller grass I pull the trigger on the 24 oz rate. I may also suggest some Facet to help out.

What about Clincher. I think that Clincher can perform about as good as RiceStar HT on most grass weeds if they are small. I like Clincher early in the season tank-mixed with a residual product on 1-3 lf grass. I like the higher rates of RiceStar HT on larger grass pre-flood, especially if conditions get dryer. Once we get to post-flood, I think Clincher has performed a little

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

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

The 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



Dr. Chuck Wilson, Dr. Rick Cartwright, and Dr. Bob Scott

better than RiceStar HT. One exception to this is fall Panicum, I usually recommend 15 oz/A of Clincher, regardless of timing.

If it is a true pre-flood timing, that is your going to flood now, I say apply the RiceStar HT and flood. However, often we may be another week to 10 days from flood. If this is case, add a residual grass material to extend the weed control until you get a flood on. Command (8oz), Prowl H2O (2 pints), or Facet (0.33 to 0.5 lb/A) will usually do the trick.

On Clearfield rice pre-flood applications, it often takes a leap of faith to apply Newpath and flood. Often there is grass present that is sick, but not dead. Also, for whatever reason, the grass may not be sick at all. If it is below the 3 leaf stage Newpath should do the trick. If it has reached the 4 leaf to 1 tiller stage I add Facet or RiceStar HT to help clean it up. Usually barnyardgrass that is sick will not survive a second shot of Newpath and the flood. Newpath is weak postemergence on sprangletop and fall panicum. I have not seen an advantage from increasing the Newpath rate from 4 to 6 oz/A.

It is often necessary to add some Permit or another broadleaf product to RiceStar HT when applied pre-flood. I am OK with most tank-mixtures, however, the liquid Aim formulation has caused some problems in terms of antagonizing grass control with RiceStar HT. The new product Broadhead (quinclorac + Aim premix) contains a DG formulation of Aim. We are looking at this one this year to test for antagonism. We have reason to believe it will not be as antagonistic as the liquid form.

Another pre-flood option that I turn to a lot on bigger grass is Regiment. Since we discovered what a little UAN can do in an adjuvant like

Dyne-A-PAK, Regiment has become a much more consistent option for Barnyardgrass. It also controls a host of broadleaves. Its weakness at this timing is a lack of control of all other grass weeds.

I left out a bunch of stuff, for many propanil or propanil combinations with other products work great. I usually don't get calls about these fields. There are many other options for broadleaves and strategies for grass, can't cover them all here. As always, call with questions (501-837-0273).

RICE DD50 PROGRAM READY - The 2010 version of the Arkansas Rice DD50 Program is up and running. Five new varieties have been added to the program for 2010. The program can be accessed through the county Extension office or online at:

<http://dd50.uaex.edu/dd50Logon.asp>. In order to enroll, you need the variety name, the emergence date, and the number of acres. The program will predict the timing of approximately 27 different production practices. This allows growers and consultants to be more efficient in scouting the crop and more timely with treatments. On-time decisions can often be the difference between success and failure.

RICE RESEARCH VERIFICATION PROGRAM

Stewart Runsick – Northern Fields

Clay County – The rice is at the 2-leaf stage. The field is clean and the Command is still holding. Recommendation: Newpath 4 oz/acre.
Cross County – It appears that stand loss has occurred on about 20 acres of the 110 acres in the bottom of the field where the water stood the longest. A little more seed was located and will

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

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

The 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



Dr. Chuck Wilson, Dr. Rick Cartwright, and Dr. Bob Scott

be flown on in that area. A mix up occurred on the herbicide and Newpath was applied early instead of Clearpath as planned. Clearpath will be used this time with Permit. The field will be fertilized and flooded as soon as it dries out.

Greene County – Newpath (4 oz/acre), 100 lbs/acre DAP (18-46-00), and 100 lbs/acre Potash was applied. The field is clean.

Jackson County – Facet (0.5 lb/acre), Newpath (4 oz/acre), and 1% crop oil was applied. It appears to be killing the barnyardgrass.

Lawrence County – Newpath (4 oz./acre), non-ionic surfactant, and liquid zinc (1 gal/acre) are scheduled to go out this week.

Lonoke County – RicePro (1 gal/acre) and Permit (0.5 oz/acre) were applied last week. As of last week, the urea had not been applied but was scheduled to go out after the soil dried.

Mississippi County – Newpath (4 oz./acre) and Command (12.8 oz./acre) was applied.

Poinsett County (Truman) – Scattered barnyardgrass, signalgrass and yellow nutsedge were present. Recommendation: RiceShot plus Permit, 230 lbs of urea and flood.

Poinsett County (Harrisburg) – Stand counts last week indicated 12 plants/ft². The rice was at the 2-leaf stage. Recommendation: Newpath (4 oz/acre).

Prairie County – Still waiting on the field to dry to do some work on the levees.

Recommendation: Regiment (0.5 oz/acre), apply urea, and flood.

Randolph County – Propanil (1 gal/acre), Facet (0.5 lb/ace), Permit (0.5 oz/acre), and crop oil (1 qt./acre) was applied early Friday morning. Urea (230 lbs/acre) scheduled for later that day.

White County – A mix up occurred on the herbicide in this field. Newpath (4 oz./acre) plus Clearpath (0.5 lbs/acre) was applied instead of just Clearpath.

Ralph Mazzanti – Southern Fields

Arkansas County- The rice is at the 4-leaf to early tillering stage. The field did not get sprayed due to wind and airplane backlog. The field has 1-2 leaf signalgrass and some dayflower. Recommendation: 4oz/acre Newpath plus .5 oz/acre Permit plus 1 qt/acre oil. The field received 0.4 inches of rainfall last week.

Ashley County- The field is at 4-leaf stage. Since no residual herbicides were applied, the second flush of weeds are coming fast. Stand counts indicate 7 plants/ft². The field has dayflower, morninglory and barnyardgrass emerging again. Recommendation updated: Permit (0.75 oz/acre), Newpath (4 oz/acre) and surfactant (1 pt/acre). The field received 0.75 inches of rainfall last week.

Chicot County- The field has been flushed. Rice is at 4-leaf stage. The field received 100/lbs/acre ammonium sulfate. The field received 0.7 inches of rainfall last week.

Clark County - The field is at 4-leaf to early tillering stage and clean. The field received 0.6 inches of rainfall last week.

Desha County - The rice is at 3-4 leaf stage. Newpath, Aim and oil did great job cleaning up field. The rice received some burn from the herbicide application but should recover in about a week.

Drew County - The field is being flushed. Morninglories are in the 1-5 leaf stage. The rice is at 3-4 leaf stage. Aim and a non-ionic surfactant will be applied following flushing.

Jefferson County - Ammonium sulfate was applied at 100 lb/acre. Rice is at 2-3 leaf stage. 2-4 leaf morninglory are scattered as well as 1-leaf dayflower. Recommendation: Aim (0.5 oz/acre) and non-ionic surfactant (1 pt/acre). The field received 0.3 inches of rainfall last week.

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

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

The 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



Dr. Chuck Wilson, Dr. Rick Cartwright, and Dr. Bob Scott

Lafayette County - Ammonium sulfate was applied at 100 lb/acre. Newpath (4 oz./acre), Aim (0.5 oz./acre) and non-ionic surfactant (1 pt./acre) were applied last week. The broadleaves scattered across the field included coffebean, ballonvine, pitted morninglory and some yellow nutsedge coming. The field received 0.2 inches of rainfall last week.

Phillips County - Rice is at 3-4 leaf stage. Ammonium sulfate was applied at 150 lb/acre. Broadleaf signalgrass, sprangletop, fall panicum and nutsedge are turning yellow from herbicide application. Second herbicide application included Newpath (4 oz./acre), Facet (.33 lb/acre) plus crop oil (1 qt./acre). The field received 0.85 inches of rainfall last week.

St. Francis County - The rice is at the 4-leaf to early tillering stage. Morninglory, nutsedge and broadleaf signalgrass are scattered. Next herbicide application recommendation: Super Wham (1 gal/acre), Aim (.25 oz/acre), and crop oil (1 qt/acre) followed by urea and the flood. The field received 2.0 inches of rainfall last week.

UPCOMING EVENTS

Rice IPM/Consultants Meeting – Scott Matthews Shop – Weiner, AR. Friday, May 21, 2010 at 12:00 pm. Contact: Rick Thompson (870- 578-4490)

Delta Classic Scholarship Golf Tournament – Helena Country Club – July 30, 2010. Contact: Dr. Robert Bacon (479-575-2354)

Rice Field Day – Rice Research and Extension Center – Stuttgart, AR – August 11, 2010. Contact: Dr. Chris Deren (870-673-2661)

Pine Tree Biofuels Field Day – Pine Tree Branch Experiment Station – Pine Tree, AR –

August 5, 2009. Contact: Roger Eason (870-633-5767)

Other Field Days

Progeny Rice and Soybean Field Day – Wynne, AR – July 22, 2010

ACKNOWLEDGMENTS

We sincerely appreciate the support provided by the **Arkansas Rice Research and Promotion Board** for this publication. The recommendations presented in this publication are the result of research funded in part by rice check-off funds.



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

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

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

The 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.