

# ARKANSAS RICE



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

**April 28, 2010**

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**INTRODUCTION** – This is the second 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](mailto:cwilson@uaex.edu).

I am trying to learn how I can use some new communication technologies. 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://arkansarice.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 April 25, farmers had planted an estimated 81% of the rice acreage. This compares to only 53% last week and only 42% this time last year. It is also well ahead of the 5-year average of 53% for this week. The USDA estimates that 43% of the rice acreage has emerged. This compares to 10% last year at this time and 19% for the 5-year average. We have more rice emerged this week than we had planted in 2009. We have 80% of the rice planted prior to April 25 and with another good week, we are likely to be 95% complete before the first of May. Our planting progress is 2 weeks ahead of the 5-year average and a month ahead of last year.

Getting the crop planted early is certainly good for production. However, with nearly a million acres planted in a 2-week window, harvest is certainly going to be interesting. We are set up for an excellent crop, assuming the summer and fall weather are not too unkind.

Average temperatures were near normal ranging from 3 degrees below normal at Booneville to 9 degrees above normal at West Memphis for the week ending April 25. Low temperatures ranged from 36 degrees at Calico Rock to a high of 88 degrees at West Memphis. Rainfall for the week ending April 25 ranged from a low of 0.3 inches at Brinkley to a high of 4.4 inches at Batesville. Overall, soil moisture supplies were 1% very short, 17% short, 67% adequate, and 15% surplus.

The USDA planting intentions report that was released at the end of March shows that rice acreage is expected to increase by 10% from 2009. The anticipated acreage of 1.631 million acres is the largest acreage since 2005 when we planted an estimated record 1.635 million acres. Medium grain rice for Arkansas is estimated at 200,000 acres, a decrease of 60,000 acres from 2009.

**EARLY POST SEASON IS HERE...  
..ALREADY** (Bob Scott, Extension Weed Specialist)

It is hard to believe that so much rice is planted already. It is time to make early POST Newpath applications in Clearfield rice and clean up escaped grass in conventional rice.

In Clearfield rice, I like to apply Newpath to 2-3 leaf red rice but sometimes the barnyardgrass does not cooperate and treatments have to go out earlier. My general rule is Newpath alone is good on 2-3 leaf barnyardgrass. If it gets to 4 leaves or more, I add 0.4 lb of Facet + crop oil. Remember, if you spray Newpath before the red rice is up, then you are applying it PRE as far as

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red rice is concerned. My advice is to flush it in, if you do not get a rain in this scenario.

It is not too early to have to think about tank-mix partners for Newpath. Strada has performed well on hemp sesbania and jointvetch. That is about all that is needed to control the weeds in a Clearfield system that are missed by Newpath. It is probably the cheapest tank-mix partner. Keep in mind that both Strada and Newpath are ALS herbicides. They do nothing for resistance management and Strada will not help out Newpath on grass. There are a lot of new materials out there that contain quinclorac (Facet), including: Broadhead, Clearpath, and RicePro. These products can control the weeds that Newpath misses in an early post timing and also provide resistance management for barnyardgrass. Several other non-ALS options are available that make good tank-mix partners for Newpath. Actually, there are too many to list here, so check out the MP-44 for all options.

The first confirmed case of barnyardgrass that is resistant to Newpath, propanil and Facet was documented in Prairie County. It is time to rotate Clearfield fields with soybeans and consider tank-mixes for resistance management, before ALS resistant barnyardgrass becomes as common as propanil resistance.

In non-Clearfield rice, it can get tricky and expensive to control grass escapes, this has been evident this year. I cannot say how valuable flushing in Command or Command + Facet has been this year for the growers who could do it. One of the toughest calls I get is 3-4 leaf grass in 1 leaf rice. It is too early for Regiment or Ricestar; often the field will be resistant to Facet, propanil or both, so there are few options.

I hate to be in a situation where I need to recommend RiceStar or Clincher this early, but the reality is that these are the best options in most of these cases. I usually suggest adding some Command or Facet to these applications if none is out, in hopes of getting some residual activity and making it to flood. Command or Command + Facet will last around 3-4 weeks if activated. If grass comes up a few days after application, but before a rain, you may still have a few weeks of residual control out there if you can kill what you missed.

**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 & Ralph Mazzanti)

All of the Verification fields have been planted and as of last week, seven have emerged. Fields that had not emerged last week should be emerged this week following the recent rainfall. Below is a list of the fields, varieties, seeding date and emergence date. Also included is general information about the fields.

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County	Variety	Seeding	Emergence
Arkansas	CL XL 745	2 April	15 April
Ashley	CL XL 745	12 April	
Chicot	CL XL 729	15 April	
Clark	CL 151	1 April	12 April
Desha	CL 151	12 April	
Drew	CL XL 745	14 April	
Jefferson	CL XL 745	17 April	
Lafayette	CL XL 745	12 April	
Phillips	CL XL 729	12 April	
St.	Wells	12 April	
Clay	CL XL 745	20 April	
Cross	CL 142 AR	2 April	15 April
Greene	CL 151	12 April	
Jackson	CL XL 745	12 April	
Lawrence	CL 142 AR	15 April	
Lonoke	Cheniere	26 March	11 April
Mississip	CL XL 745	15 April	
Poinsett	CL 151	19 April	
Poinsett	Wells	15 April	
Prairie	Jupiter	31 March	12 April
Randolph	Wells or	9 April	20 April
White	CL XL 745	20 April	

**General Information:**

**Clay County** – The field was seeded in CL XL 745 at 26 lbs/acre. Command was applied. 1/3 of the field required pre-plant fertilizer and 100 lbs/acre of potash was applied.

**Cross County** – Stand counts taken last week indicated 19 plants/ft<sup>2</sup>. The rice was 2-leaf stage this week. Clearpath was applied, but adequate rainfall was not received for activation. The field will need to be flushed.

**Greene County** – The field was seeded in CL 151 at a rate of 90 lbs/acre. Command (16 oz/acre) and Glyphoste was applied. Part of the field had emerged but not enough to call it. Volunteer rice and some red rice were present. Newpath will be applied soon.

**Jackson County** – The rice is coming up in the tire tracks, but the field needed rainfall. Newpath + Command was scheduled to be applied ahead of the rain.

**Lawrence County** – The field was seeded in CL 142 AR treated with CruiserMaxx, Apron, Maxim and Zinc at 80 lbs/acre. Variable rate P and K fertilizer was applied. Command was applied at 12.8 oz/acre. The soil test results, which came in last week, indicated a need for zinc fertilizer. Since zinc was not applied pre-plant, we will need to run a gallon of liquid with the first herbicide application.

**Lonoke County** – Stand counts taken last week indicated 16 plants/ft<sup>2</sup>. One-leaf signalgrass and yellow nutsedge was present. I hope the Command will hold for another week, so we can make one herbicide application prior to flooding. We will see how it looks after another week.

**Mississippi County** – Command and Glyphosate was applied behind the drill, however, a lot of volunteer rice, and some 1-leaf grass, including sprangletop, appeared to have emerged after the application. I recommended applying another quart of Glyphosate to clean up the field prior to emergence.

**Poinsett County (Truman)** – The field was seeded in Wells. Command (12.8 oz/acre) plus Facet (.5 lbs/acre) was applied after planting.

**Poinsett County (Harrisburg)** – The field was seeded in CL 151 at 72 lbs/acre. Command was applied at 12.8 oz/acre. On one half of the field, 0-40-60 was applied prior to planting while 0-60-90 was applied on the other half.

**Prairie County** – RicePro plus Command was applied and the field was flushed. Stand Counts indicated 20 plants/ft<sup>2</sup>.

**Randolph County** - The field was seeded in Wells. Chicken litter and potash was applied pre-plant. Command was applied at 12.8

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oz/acre. Although the field did not get flushed as planned, most of the field has a good stand. A couple of drill rows were dropping seed on top of the soil surface and the seed was not in the moisture. Those should sprout following the rain. Scattered barnyardgrass and yellow nutsedge were present. The Command did not get activated and an herbicide application will likely be needed this week. We will scout and make a decision depending on what it looks like this week.

**White County** - This field was seeded in CL XL 745 at 25 lbs/acre. We made 4 rounds resulting in 4 20 foot strips of Cruiser treated seed (3 acres in the 50 acre field). I will keep you posted on the results.

**Arkansas County**- The field was seeded in CL XL 745. Command was applied at .7 pt/acre plus Facet at .33 lb/acre and 1 qt oil/acre. Rice is now at 2-leaf growth stage. The field was being flushed until 1" rain fell.

**Ashley County**- The field was seeded in CL XL 745. Phosphorus and potassium (0-60-75) was applied prior to planting. Prowl is scheduled to go out at 2.1pt/acre as soon as it rains or when field is flushed. We are unable to use Facet or Command because of the field's proximity to town.

**Chicot County**- Seeded in CL XL 729 at 27 lb/acre. Roundup applied at 1.5 pt/acre for burndown. Field is now being flushed.

**Clark County**- The field was seeded 31 March in CL 151. Stand counts indicated 19 plants ft<sup>2</sup>. Chicken litter was applied at 1.5 ton/acre.

**Desha County**- The field was seeded with zinc-treated CL 151 on 12 April at a rate of 90 lb/acre. We should have stand counts this week.

**Drew County**- The field was seeded 14 April with Jupiter treated with Cruiser Maxx at a rate of 70 lb/acre. Command was applied at 1

pt/acre along with .5 lb/acre of Facet. We should have stand counts this week.

**Jefferson County**- CL XL 745 was seeded at a seeding rate of 25 lbs/acre on one half the field April 17 and the other half on April 23.

**Lafayette County**- The field was seeded April 12 in CL XL 745 at 24 lb/acre. Command was applied at 1.6 pt/acre and flushed in.

**Phillips County**- The zero grade field was seeded April 12 in CL XL 729 at a rate of 25 lb/acre. Roundup (1 qt/acre) plus Clearpath (0.5 lb/acre) was applied prior to emergence to control two-leaf signalgrass. The field was last week flushed. DAP and potash was applied as the preplant fertilizer according to soil test recommendations.

**St. Francis County**- The field was seeded in Wells treated with CruiserMaxx plus zinc at a rate of 90 lbs/acre. Command and Super Wham are scheduled to go out. The field had been rolled to conserve moisture.

## UPCOMING EVENTS

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

## Other Field Days

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

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