



**DIVISION OF AGRICULTURE**  
**RESEARCH & EXTENSION**

University of Arkansas System



# Row Crops

WHITE  
 COUNTY  
 NEWSLETTER

ISSUE

05

May  
 2020

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**DIVISION OF AGRICULTURE**  
**RESEARCH & EXTENSION**  
 University of Arkansas System

U of A Cooperative  
 Extension Service  
 2400 Old Searcy Landing Rd.  
 Searcy, AR. 72143  
 (501) 268-5394  
[www.uaex.edu/counties/white](http://www.uaex.edu/counties/white)

## Feral Hog Trapping Available Now

*Do you live in White or Woodruff County? Do you have feral hogs? Do you know how to recognize signs of feral hog damage?*

Though feral hogs have been in Arkansas for centuries, in the last 20 years feral hogs have become a major invasive pest in our forests and fields. They cost Arkansas' producers millions of dollars each year by damaging forests and crops, and polluting our streams and ponds.

USDA APHIS Wildlife Services and the Arkansas Game & Fish Commission recommend corral trapping groups of feral hogs using specific equipment and methods to reduce damages. Through funds acquired by the University of Arkansas Cooperative Extension Service, a **Game Changer Jr. trap** is now available for land owner, producer-use in White & Woodruff Co. We use the S.P.E.A.R. (Surveillance, Pre-Bait, Eradicate, Analyze, Report) process to be efficient as possible.

Producers will receive training on baiting, surveillance, and trapping of feral hogs. The landowner will be responsible for bait (typically corn) and a trail/game camera. The landowner will pay \$25/7 days of trap use.



Before scheduling the trap, the landowner will contact the county agent with photo documentation (date & time stamp), with their trail camera that the hogs are appearing over bait for a minimum of 3 consecutive nights.

The landowner will meet the county agent at the trap location and assist with setting up the trap. The county agent will set up the app on the landowner's phone. Once the hogs are trapped the landowner is responsible for dispatch & removal of the hogs with photo documentation provided to the county agent.

The landowner will then meet the county agent to assist with tearing down the trap and loading. Data will be collected on the success of the trapping efforts.

Please contact your County Extension Ag Agent for more information, questions, & trap scheduling, today!



## Little Red River Irrigation Project

Recently, federal funding of \$750,000 has been secured to provide financial and technical assistance to encourage conservation of natural resources within White County.

These funds are made available to producers utilizing the RCPP EQIP within the designated area. Producers have until May 15<sup>th</sup>, 2020 to file an application. Please call the Searcy Field Service Center to file an application.

(501) 268-5866 Ext. 3

This RCPP project area encompasses cropland within White Co that has been irrigated in two of the past 5 years plus contiguous non-irrigated lands that are incidental to crop production, water resource concerns, and wildlife habitat.

For More Info Contact:

Elvis Vaughn (501) 279-8165

Tammy Stipes Or Reginald Cunningham (501)268-5866 Ext. 3

## Corn Development & Fertility

	Average from CRVP 2007-2019			
	Days	Inch	Heat Unit	Applications
Plant	0	0	---	April 11
VE	9	0	148	
V2	18	3	280	
V4	27	6	444	
V6	36	12	614	Atrazine & Permit Cutoff (12 in)
V8	44	21	798	Callisto Glyphosate Cutoff (30 in)
V10	50	35	950	
V12	55	51	1084	
V14	60	65	1196	Pre-Tassel N
V16	64	80	1306	
R1	71	116	1500	
R2	77	116	1667	Fungicide
R3	83	116	1850	
R4	90	116	2039	
R5	97	116	2230	
R6	121	116	2872	Irrigation Termination
Harvest	147	116	---	Sept 5

### Nitrogen (N)

- Apply approximately ¼ to ½ of N immediately before or immediately after planting
- Apply sidedress N between the V4 & V6 growth stage
- If applying pretassel N, apply 100 lbs of Urea (46 units) one - two weeks prior to tassel (approximately between V12 & V14)

Yield Goal (bu/ac)	Units of N to apply per acre	
	Sandy, Silt Loams	Clay
125	160	230
150	160	230
175	220	290
> 200	220	290

### Nitrogen sources:

- 32% UAN (1 gal = 3.5 units of N)
- Urea (46-0-0)
- DAP (18-46-0)
- Ammonium Sulfate (21-0-0-24)

## DD-50 Live

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/>

## Row Rice Handbook

The U of A released a Furrow-Irrigated Rice Handbook for row rice producers. This is a new publication aimed at providing recommendations for the increasing practice of furrow-irrigated rice production. Access the publication here:

[Arkansas Furrow Irrigated Rice Handbook](#)

## Rice Weed Control Tips

- Biotypes of barnyardgrass have been identified with resistance to *Command*, *Newpath*, *Facet*, *Propanil*, *Clincher*, *Ricestar*, & *Loyant*. Best control is achieved through a program approach with overlapped residuals at the front of the season including *Command PRE* and *Prowl + Bolero Delayed PRE*.
- Rice flatsedge and umbrella sedge resistance to ALS chemistry is now common. Control options should start with *RiceBeaux* or *Sharpen* early followed by *Basagran* plus *Propanil* early post or *Loyant* pre-flood.
- Rice should be at least 2 leaf prior to *Sharpen* POST application. Rate POST should not exceed 1 oz/A with 1% crop oil concentrate.
- Do not plant conventional (non-Clearfield) or Provisia rice the year following *Newpath* applications injury from herbicide carryover.
- Provisia herbicide can only be sprayed on Provisia- tolerant rice cultivars.
- Refer to 'MP44 Recommended Chemicals for Weed and Brush Control' for the latest herbicide recommendations.

Irrigation season is quickly approaching. Prepare by attending any of the May Pipe Planner Webinars.

Two instructional webinars will take place at 9am & 1pm on May 8<sup>th</sup>, 13<sup>th</sup>, 22<sup>nd</sup>, & 27<sup>th</sup>. We will cover data collection, design processing & Q/A. Simply follow the Gotomeeting link posted below.

*Please join my meeting from your computer, tablet or smartphone.*

<https://global.gotomeeting.com/join/515191221>

*This meeting is locked with a password:  
pipeplanner2020*

*You can also dial in using your phone.  
United States: +1 (571)  
317-3122  
Access Code: 515-191-221*



*Why be Counted?*

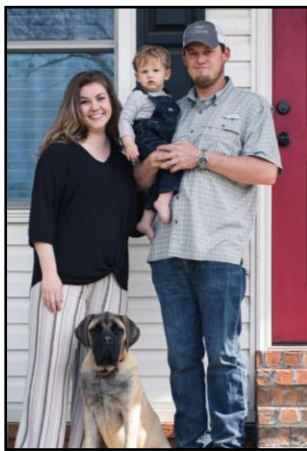
Data gathered by the census determines how \$675 billion dollars in federal funding is dispersed across the nation to support programs integral to community development.

The majority of people will be encouraged to participate online. Once you receive this information visit [my2020census.gov](https://my2020census.gov) to complete your online questionnaire. You also can complete your 2020 Census questionnaire by calling 844-330-2020.

Don't wait to participate! You can complete your questionnaire as soon as you receive instructions in the mail.

## Farm Family of the Year

Congratulations are in order to the Peacock family of Bald Knob! Brad and Tara Peacock with their one year old son, Silas, will represent White County as the Farm Family of the Year for 2020. We are super proud of this young family and all that they are accomplishing on their family row crop farm. They currently farm 1,000 acres of soybeans and rice along with 2,000 acres with Brad's father, R.J. Peacock. They are continually trying out new technologies, making improvements to their equipment, and working hard to make their farm more efficient.



Brad and Tara serve on the Farm Bureau board of directors and co-chair the Young Farmer's & Ranchers. Tara is also involved with the Women's committee. We think they will represent White County well in the District Farm Family Contest, as well. Help me congratulate the Peacock's by giving them an "atta boy" the next time you run into them!

## Soybean Weed Control Tips

- Start clean with a burndown plus a residual herbicide or tillage
- PPO-resistant pigweed is widespread and Group 15 resistance has been Identified
- Cultivars tolerant to metribuzin are recommended. Click Here: [Metribuzin Variety Tolerance](#)
- *Metribuzin plus Anthem/Zidua, Outlook or S-metolachlor* at planting plus an overlapping residual Post is recommended.
- Refer to MP 44 Recommended Chemicals for Weed and Brush Control for latest herbicide recommendations

## Soybean Seed Treatments & Pest Issues

This season is already starting out strange...warm, wet, cold, frosty & buggy! Systemic insecticides applied on the seed are recommended for early season insect control. Systemic fungicides are especially recommended if soybeans are planted early under cool/wet conditions or planted late under hot/dry conditions.

Red-banded stink bugs were found already, in ditches, in Jefferson county so be on alert as we moved forward with this soybean crop.

Remember to use the U of A treatment threshold chart as you make your insect control management decisions this season. Proper identification is key, as always, so if you need some help, give me call or shoot me a text with a picture.

## Spray Water Samples

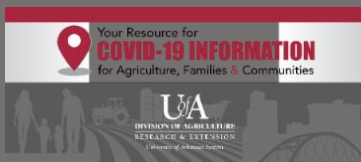
The University of Arkansas Weed Science team is repeating studies evaluating the effect of spray water quality on our current herbicide applications. They are needing our help to take water samples, 1 liter each, from sources that would be used for herbicide applications in White County.

The samples taken across the state will give a better understanding of the water characteristics used for herbicide applications and how these characteristics impact herbicides. If you wouldn't mind having a sample taken from your farm let me know and I can come out and collect them within the next week. The samples will be sent to Dr. Butts for processing.



## #StillOnTheJob

We plan to be on the premise Monday, May 18<sup>th</sup> and we are all available for assistance by phone, email, or text but we will still be closed to, in-person, visitors. We will be accepting plant, litter, and soil samples at this time. You may drop any samples off to our front door. Please leave your name and phone number with your sample so we can contact you to get all the required information. Remember, plant samples need to arrive here Monday-Wednesday for shipping.



If you are needing information on COVID-19 or any of the issues that it is causing, please visit our COVID-19 Information page on our website, listed below. There are resources available for you, your family, your farms, & your businesses. We are here to help however we can during these times. If you need help with something not listed, then just give us a call & we will do what we can to help out! [www.uaex.edu](http://www.uaex.edu)

## Cotton Fertility & Growth

### Nitrogen (N)

Apply in split applications, first after plant establishment and again during early squaring to maximize efficiency.

- 32% UAN (1 gal = 3.5 lbs. N)
- Urea (46-0-0)
- DAP (18-46-0)
- Ammonium Sulfate (21-0-0-24)
- Recommended Rates = 80 - 110 lbs. of N/A
- Total Available N needed = 140 - 160 lbs.

### Phosphorous (P) Rec. (lbs. P/Acre)

Yield Goal	Soil Test P (ppm)			
	<16	16-25	26-35	>36
2.25 bales/A	90	70	50	0

### Potassium (K) Rec. (lbs. K/Acre)

Yield Goal	Soil Test K (ppm)				
	<61	61-90	91-130	131-175	>175
2.25 bales/A	140	95	60	40	0

### Nutrients in Seed + Lint (lbs./A) Removed @ Harvest

Yield Goal	N	P2O5	K2O
2.25 bales/A	72	32	43
% of plant requirements	50%	67%	25%

### Sulfur (S)

- Apply 20 lbs. of S/Acre if a sulfur deficiency has occurred on this soil before
- 100 lbs of Ammonium Sulfate equals 24 lbs. of actual S

### Boron (B)

Boron deficiency can result in bloom malformation and increased shed of small fruit. However, boron deficiency has not been a problem in Arkansas.

### Plant Growth and Development

Under optimum conditions, plants should add a new node every 3 days. The interval between fruit on a branch is 6 days.

- Emergence – 5 - 7 days after planting
- Squaring - 35 days after planting
- First bloom - 60 days after planting
- Cutout – 80 days after planting
- First Open Boll - 110 days after planting
- Harvest – 150 days after planting

## CropCheck: Free Resource



Arkansas pesticide applicators working row and field crops will be able to identify herbicide-sensitive crops and adjust their spraying accordingly thanks to a unique online platform called CropCheck™ -- a pilot program being offered in partnership between FieldWatch® and the University of Arkansas System Division of Agriculture.

FieldWatch is a not-for-profit company that hosts registries that map locations of pesticide-sensitive crops and bee hives. The effort is meant to help farmers prevent damage to their neighbors. The partnership between FieldWatch and the Division of Agriculture's Cooperative Extension Service will also enable Arkansas producers to have access to two other FieldWatch products, Driftwatch™ and BeeCheck™.

Free & voluntary! Both commercial and hobby beekeepers can use the system, however only managers and owners of crop fields that are used for commercial production and are of at least a half-acre in size will have fields approved by the state data steward. The stewardship platforms provided by FieldWatch are not intended for homeowners or those with small gardens.

Pesticide applicators will have different options for viewing locations on the new system but all users in Arkansas, applicators, producers, and beekeepers, will need to go to the link below and create an account to get started. <https://ar.driftwatch.org/> To register as an applicator: <https://fieldwatch.com>

### Easy to Use:

- Register as a user or login with a previously registered username.
- Find your field.
- Delineate your field by tracing around the border.
- Choose from the menu what is in that field.
- Send to Data Steward.

## Retiring Farmers

*Need Someone to Pass the Farm Along To in the Future?*

We have a request from a local man looking to start row crop farming in White County. He is interested in maybe teaming up with a soon-to-be retiring farmer, learn from the farmer, and then eventually buy the farm. If you are interested or have questions, please contact Bobby Morrison @ (870)552-5109.



*Are you up to the challenge??*

Grow For the Green soybean yield challenge is back again. Prizes and trips for district winners! More details to follow on June 1<sup>st</sup>, as a few rules will be changing this season. If you are interested, give me a shout!

## Flow Meters

*Need to know your flow?*

When you get your wells on and ready, give me a shout! We can help you check the flow on your farm with our flow meters. This will give you a better idea of your irrigation capabilities and give you the needed data for your Pipe Planner plans.

## Soybean Fungicide Demo

We are looking for a soybean field that has a history of disease for a fungicide field trial with a U of A Plant Pathologist. The cooperator needs to provide the field and the yield data from the combine, that's it! We will provide the fungicides, the sprayer, and the man power to get the fungicides out. If you are interested, let me know asap!



## Rice Multiplier Field

We are looking for a cooperator that has a rice field that the Cooperative Extension Service could work with to use the U of A recommended best management practices to manage the field for this growing season. The field will be walked once per week, recommendations using the DD50 will be made, and economic data will be kept to demonstrate how our recommendations can increase yields and profits. If you are interested, let me know asap!

Row rice, conventionally flooded rice, rice irrigation technologies, problem fields, etc. are all welcome!

## AR Waterfowl Rice Incentive Conservation

The Arkansas Waterfowl Rice Incentive Conservation Enhancement (WRICE) program was developed by AGFC biologists to help keep waste rice available for ducks, geese and other migrating birds when they pass through each winter. It has recently been expanded to allow weekend permitted public waterfowl hunting opportunities on participating rice fields. Farmers may still operate and harvest their rice fields as normal, but can receive added income by leaving stubble and flooding fields during waterfowl migration, and allowing permitted public hunting opportunities.

Fall tillage is becoming increasingly popular with Arkansas rice growers, but the practice isn't beneficial for the numerous migrating birds looking to find fuel they need. This tilling buries waste rice that would have been available to migrating waterfowl. Flooded rice fields are estimated to provide 11% of all food energy in the Mississippi Delta for ducks like mallards and pintails, and that percentage has dwindled with advances in agriculture.

Additionally, the program has expanded to include an opportunity for landowners who have Wetland Reserve Easements on their property. This new portion of the program will pay landowners \$50/acre to allow public access to their currently enrolled WRE properties for hunting and wildlife-viewing throughout the year.

The AG&FC is partnering with the Natural Resources Conservation Service to offer bonus conservation incentive payments to landowners up to \$150 per acre. To qualify for the payments, the landowners must have rice fields within 10 miles of specified public lands within the Delta, Arkansas River Valley, and Red River Corridor. They must be willing to cooperate with practices that increase waterfowl food in harvested rice fields without financial burden, provide limited waterfowl hunting opportunities through permit hunts on fields in the program. This opportunity is also open to public hunting and wildlife-viewing opportunities on Wetland Reserve Easement / Program properties within these regions. Payments range from \$50 to \$150 per acre, depending on the practices agreed upon.

Visit [www.agfc.com/habitat](http://www.agfc.com/habitat) & contact an AGFC private lands biologist to learn more and apply for this competitive grant opportunity.



# FARM CORPS

★ FARM AND RANCH MISSION ★

Connecting ready, willing and able workforce of National Guard and Reserve Soldiers, Sailors, Airmen, Marines, and other military veterans in service to American agriculture.

## The Problem

Several White County farmers and many Arkansas farmers rely on H2A workers to get their farm work done efficiently during growing season but because of the COVID-19 situation those H2A workers have been put on a hold.

## Possible Solution

"Farm Corps" has been created to help link those that are in the military needing work, to the farms across Arkansas that are in need of reliable farm workers. Congressman Rick Crawford birthed the idea and Farm Bureau, the National Guard, and the Cooperative Extension Service is helping to get the word out.

## The Mission

THE MISSION of Arkansas Farm Corps is to provide a ready, willing and able workforce of National Guard and Reserve soldiers, sailors,

airmen, marines, and other military veterans in service to American agriculture.

## Do You Need Labor?

If so, the process is fairly easy.

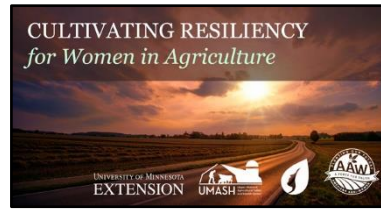
-You can email, message, or call me with your labor needs and I can get them to person updating the labor needs from Farm Bureau.

-You can submit them yourself by posting your needs to the "Arkansas Farm Corps" Facebook page.

-You can visit the link below to submit your labor needs to a growing list sent out to those that request jobs available.

If you need help, just ask!!

<https://bit.ly/FarmCorps-Farmers>



Are you noticing that you are exhausted and emotionally withdrawing from your family, neighbors, clients or customers? You could be experiencing **Compassion Fatigue**. This can be a common experience for those who work with chronically stressed individuals. During this webinar, learn what Compassion Fatigue is, how to prevent it from happening, and strategies to deal with it if you are experiencing symptoms.

This webinar from University of Minnesota Extension and American Agri-Women is a part of a series on "Cultivating Resiliency for Women in Agriculture". **May 19<sup>th</sup>@Noon**

Registration is required, but the webinar is presented FREE of charge.

<https://register.gotowebinar.com/regist.../2508013917467818510>

## IPM: Insect ID Challenge

Larvae can be either green or brown but have a distinctive pattern of longitudinal stripes – a dark stripe along each side and broad stripe along the back. The dorsal stripe has a lighter colored broken line down the center. The head is pale brown with green and brown mottling. This pest will move out of wheat, oats, and ditch weeds to feed on borders of rice and corn fields. They will feed on seedlings and reduce plant stands or delay growth. (True Armyworm)



## County Wide Texting Program



If you would like to sign up for Row Crop Ag text alerts from the Extension Office go to <https://www.uaex.edu/counties/white/> and click the sign up for the row crop text link OR you can text the message **uaex whtcrop** to **313131**.

## Irrigation Contest Most Crop Per Drop: June 30<sup>th</sup>

Open to any grower in Arkansas. To register, contact Greg Simpson at 870-243-2604 or 870-673-2661. Participants may also register via email to [contest@uark.edu](mailto:contest@uark.edu).

Corn & Soybean Prizes:

1<sup>st</sup>: \$6,000, 2<sup>nd</sup>: \$3,000, 3<sup>rd</sup>: \$1,000

Rice Prize:

1<sup>st</sup>: Super Bag of Hybrid Seed from Rice Tec

For more information on irrigation contest, contact White Co Ext Office or visit [www.uaex.edu/irrigation](http://www.uaex.edu/irrigation)

Meter will need to be sealed before first irrigation. Call 5 days before to request meter sealing.

Join the fun!! We will help you along the way!

## 2020 White County Demonstrations

We appreciate local producers working with us to provide opportunities to further research and create learning environments.

### Current:

**Cover Crop-** Jacob Feather (Planted 10/3)  
**Soybean Verification-** R.J. & Brad Peacock (2<sup>nd</sup> year)  
**Corn Verification-** Brandon Cain (Planted 4/18)  
**Corn Planting Population:** Brandon Cain (Planted 4/18)  
**Corn Starter Fertilize:** Brandon Cain (Planted 4/18)  
**Hybrid Corn Variety Trial:** Keith Feather (Planted 5/4)  
**Rice Multiple Inlet Demo:** Danny Barnett  
**Row Rice Multiplier:** John Hamilton  
**CEW/Bollworm Traps & SWCB Traps**  
**Cotton Multiplier:** Jackson, Woodruff, & White Co.-Kent Farms  
**Pecan Orchard:** Prairie, Lonoke, & White Co.-Reidhar Bro. Farms

### Possible: Give me a call if you are interested

Corn Multiplier Field                      Surge Valve Demo  
Soybean Multiplier Field                Row Rice Multiplier Field  
Soil Moisture Sensor Demo              Rice Multiplier Field  
Rice GRADE (seeding rate, variety, nitrogen, seed treatments)  
Corn Seeding Rate, Starter Fertilize, Fungicide Trials  
Soybean Fungicide Trial

Please, feel free to contact me for further information about the items in this newsletter or anything else I may be able to assist you with.



Jan Yingling UAEX White Co. [Agent@UAEX.WhiteCountyRowCrops](mailto:Agent@UAEX.WhiteCountyRowCrops)



UAEX WhiteCountyAgAgent@janyingling

Sincerely,

Jan Yingling  
County Extension Agent - Agriculture

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## Upcoming Events

**Now Until Further Notice: WE**  
are OPEN but CLOSED to  
Face to Face Interactions  
at the White County  
Cooperative Extension  
Service



**WASH  
HANDS  
OFTEN**

with soap and water  
for at least **20 seconds.**

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[www.uaex.edu/COVID19](http://www.uaex.edu/COVID19)

Your Resource for  
**COVID-19 INFORMATION**  
for Agriculture, Families & Communities