

Row Crop News

Jefferson County Cooperative Extension Service
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JEFFERSON COUNTY TO HOLD PESTICIDE COLLECTION EVENT

Jefferson County producers will have the opportunity to dispose of their outdated and unused pesticides during a collection event on **Monday, October 27**. The event will take place at the **old Co-op Cotton Gin in Sherrill**. The pesticide collection is free and is made available through funding from the *Arkansas Abandoned Pesticide Trust Fund*. Products that will be accepted are outdated, discontinued or unwanted agricultural pesticides. These pesticides may include older products that are more toxic, such as arsenicals, DDT, silvex, heptachlor, dieldrin, lindane and toxaphene.

Many old pesticides cannot legally be used or disposed of through usual means, such as landfills. If you have pesticides that fall into this category, plan on bringing your pesticides to this event. The purpose of this collection is to promote a safer and cleaner environment by reducing the amount of pesticides that could potentially contaminate the drinking water, groundwater, streams, rivers and lakes across the state.

If you're interested in bringing your pesticides to the event, contact the Jefferson County Farm Bureau office at (870) 535-1616 to pre-register. Any identifying information, such as name and address, will be removed from the registration form so that anonymity may be provided. Contact your county agent at (870) 534-1033 for information on safely transporting your chemicals to the event location.

PRIVATE APPLICATOR TRAINING (PAT)

Private Applicator Training will be conducted at the Jefferson County Cooperative Extension Office on **Friday, November 7, 2008. Registration begins at 8:30 a.m.** A private applicator license (or direct supervision by someone with a license) is required to purchase restricted use pesticides. The EPA and the Arkansas State Plant Board deem pesticides posing special risks to humans and/or the environment as restricted use pesticides. The Cooperative Extension Service provides only the training, known as certification or recertification, needed for your license. The Arkansas State Plant Board is responsible for issuance of license and pesticide regulations. For more information about the PAT, please contact the Jefferson County Office at (870) 524-1033.

GENERAL INFORMATION

The year 2008 has been a year of extreme optimism by farmers and lenders to a year of frustration, replanted fields, high fuel costs, high seed costs, high pesticide costs, lack of pesticides in the market place at times and now reduced yields. It seems that corn and soybean yields are down along with rice yields. Optimism for good cotton yields has diminished as well with recent hurricane events or side effects. Milo has been turned down at elevators in some cases and farmers are trying to find outlets for this commodity. Growers having milo to sell should contact the county Extension office. We can alert other Extension agents or cattle producers who might have an interest in purchasing your crop.

2008 JEFFERSON COUNTY EXTENSION DEMONSTRATIONS

Corn has been turned back at times due to aflatoxin finds as well as moisture content. Corn is considered dry and ready to store in bins at 15.5 percent moisture. With each new rain event, rutting becomes more evident in fields that are being harvested. This is cause for increased costs heading into field preparation for next year.

One farmer, who has lots of soybean acres to harvest, said that he hoped he would be through harvesting sometime in 2008! Another with lower crop yields than expected said, "We'll make it but it sure is discouraging right now. I keep trying to think of things that are positive with so many things going on that are negative."

Amidst the lower yields, a few growers do indicate that they have seen some really good yields for some of the corn fields while other fields may be down. Jefferson County corn production was 176 bushels per acre in 2007 according to the Arkansas Agricultural Statistics Service/USDA-NASS.

Rice farmers have seen some poor yields in fields of hybrid rice this year. Much of the decrease seems to have come from grain shattering prior to and at harvest time.

In 2006 through 2008, growers have been cautioned to make changes to herbicide programs to lessen the chance for weed resistance to the most commonly used burn-down and in-season herbicide in multiple crops – glyphosate (commonly referred to as Roundup). In 2008, growers saw the consequences of not making the necessary changes as many palmer amaranth (Palmer pigweeds) came through herbicide treatments or escaped the treatments in low numbers. These escaped weeds probably mean more potential for pigweeds to be more resistant to glyphosate in the future.

Rumors of a decreased acreage of wheat are rampant in Jefferson County and the state of Arkansas. With over 64,000 acres certified for Jefferson County in 2008, the loss for 2009 may be significant. Compounded by lower crop prices at this writing and the high costs for inputs, it appears acres could plummet for the coming year. Add in the wet field conditions and late soybean crop where wheat might have been planted and we can further have a reduction of acres. The bright spot is that some producers did book the 2009 crop for really high prices before the price slide began.

The Jefferson County Extension Agents had two Research Verification Fields in 2008 – a second year Wheat Research Verification Program (WRVP) field with Kris Baker and a Rice Research Verification Program (RRVP) field with Jamey Price.

WRVP – was planted along the highway south of Rob Roy Road, the 70+ acre field was planted to *AgriPro Coker 9553* variety on *November 9, 2007*. One herbicide treatment was made for cutleaf evening primrose and some other broadleaf weeds. Since the *Coker 9553* variety is resistant to leaf rust and stripe rust, fungicide was not needed. Near harvest it was evident the field did have some heads blanked out with scab disease but the incidence was very low.

RRVP was planted on Abernathy Road south of Pine Bluff. The 59-acre zero grade field was planted with *Rice Tec CL XL 730* on *May 1, 2008*. A split application of NewPath was applied to the field for weed control with Permit mixed in the second application to assist in control of some nutsedge. The field was harvested on September 9, yielding 182 bu/acre. Approximately 10 percent of the field was lodged following the hurricanes, and approximately 12 bu/acre were left in the field due to head shattering.

In addition to the verification program fields, Extension agents had two (2) Uniform Corn Variety strip trials using Roundup Ready technology. Some had corn borer technology and/or rootworm technology. The first to be planted of these was on Guenther Farm, Rob Roy Plantation. A couple of tons of chicken litter prior to planting coupled with commercial fertilizer were applied. Due to frequent rainfall in early season, the crop had to be partially replanted on the bottom of the field. Harvested plots were cut short in an attempt to stay out of the replant area.

JEFFERSON COUNTY CORN TRIALS

Extension Specialist Kevin Lawson, Corn and Grain Sorghum Verification coordinator, offered a chance for county Extension agents to participate in a Uniform Corn and Grain Sorghum variety trial across the state. In Jefferson County, we opted to plant a set of plots on clay soil and a set of plots on a silt loam soil.

Following is some preliminary data on these two demos

Planting Date	April 17, 2008		Soil Type	Perry Clay	
Harvest Date:	September 24 2008				
Guenther Farms	Adj. Yield ¹	% Moisture	Lodging Score ²	Test Wt.	
Hybrid					
Syngenta N78N-GT/CB/LL	103.05	13.6	2	57.4	
* Dekalb DKC63-42	85.40	13.2	5	54.2	
Belle 1646RY	82.90	13.3	2	54.6	
Pioneer 31P42	127.81	13.6	2	57.9	
Syngenta N70-C7	86.60	13.2	2	54.6	
Dyna-Gro 57V05	116.71	13.4	2	55.2	
Terral TV25BR71	117.63	13.6	2	57.7	
Pioneer 33M57	181.63	13.2	2	62.1	
Croplan 6831TS	129.00	13.0	2	57.4	
Pioneer 32B29	137.41	13.4	2	56.9	
Croplan 6818VT3	190.64	13.6	2	57.6	
Croplan 851VT3	189.28	13.3	2	55.8	
* Croplan 7505VT3	51.48	13.3	9	57.8	
Croplan 6986TS	164.78	13.6	2	60	
Croplan 818TS	193.83	13.7	2	58.8	
Croplan 6886VT3	207.49	12.9	2	60.4	

¹ Yield is adjusted to 15.5% moisture.

² Lodging score – 1 is no lodging, 10 is completely lodged.

* Lodging primarily caused by raccoons.

Silt Loam Corn Variety Demonstration - This test was planted after an application of chicken litter but late planted in early May due to planting of other crops first. A zinc deficiency was noted at about 6-leaf stage and was quickly overcome with a foliar treatment.

Plant Date	May 5, 2008		Soil Type	Rilla Silt Loam	
Harvest Date	October 14, 2008				
Young Farms	Adj. Yield ¹	% Moisture	Lodging Score ²	Test Wt.	
Hybrid					
Dynagro DG58P60	158.04	14.9	6	58.2	
Pioneer 32B79	157.10	14.7	6	57.6	
Dynagro DG58V24	168.07	14.6	6	54.8	
Terral TV26BR61	164.91	14.7	6	58.9	
Dekalb DKC64-79	168.69	14.2	6	58	
Syngenta N78N	183.88	14.6	6	58.7	
Belle 1646RY	167.99	14.9	6	56.8	
Croplan 6831TS	176.59	14.4	6	57.7	
¹ Yield is adjusted to 15.5% moisture.					
² Lodging score - 1 is no lodging, 10 is completely lodged.					

Soybean IPM Variety Demonstrations - A Group IV IPM variety demonstration on the Waterloo Farm was conducted with Sudden Death Syndrome (SDS) the targeted pest. This test was planted later than we would normally plant a Group IV test. Soil was a silt loam with chicken litter applied (somewhat streaked-wet litter) for P & K needs. Below are the yield results and some disease rating information as well as growth stage info.

Variety	% moisture	Yield*/A	Test wt
94Y20	12.1	56	56.5
DG 37A44	11.4	61	58.0
HBK R 4527	11.7	56	59.1
DG 32R46	11.2	56	58.9
P94Y60	11.0	61	58.2
AG 4703	11.2	66	58.9
P94Y70	11.2	62	58.4
ST 4782-4	11.3	57	59.0
RC 4877	10.9	63	59.6
RT 4802	11.0	58	57.0
DP 4888RR/S	10.7	61	58.5
94Y90	11.3	56	58.2
DG 4970	11.2	56	28.9
DG 4975	10.9	61	60.2
SCH 495	11.2	60	59.2
AG 4903	11.1	60	59.5
HBK 4924	11.3	60	59.0
NK S 49-W6	11.4	52	59.8
NK S 49-H7	11.3	57	58.9
Avg (N=19)	11.2	58.9	57.1
* Adjusted to 13.5 percent moisture.			
DOP	5/22/2008	Wide bed w/2 rows;	

		6 row plots
DOE	5/27/2008	
DOH	10/6/2008	

We gratefully acknowledge Michael Emerson, Extension Plant Pathology associate, and Dwayne Beaty (former Extension Wheat and Soybean Verification Coordinator), for assistance in data collection this summer.

IRRIGATION

The **IRRIGATION SCHEDULER** computer program is used on the corn, grain sorghum and soybean tests each year. For more information on how to use the IRRIG program on your farm, contact Don Plunkett sometime this winter.

Herbicide Resistance Monitoring - We got a number of invitations this summer to look at Palmer pigweeds that came through glyphosate sprays or glyphosate tank-mix sprays. We purposely hand sprayed some weeds to check to see how much damage we could do with a 6 percent spray solution:

- Field 1- Cotton- no control. Most weeds had been chopped out.
- Field 2- soybeans- no control; light pressure, few weeds.
- Field 3- soybeans; very good control; possible missed spray for some reason
- Field 4- soybeans, no control and heavy pressure.
- Field 5- initial farm spray was onto small weeds at/or near planting and pigweeds re-grew; Second application later still did not knock the pressure down; field was determined to have tall waterhemp and not Palmer Pigweed (still in the same family). A third treatment did appreciable damage to seed production and terminal growth but did not kill the weeds. The damage did allow soybean crop to compete better for growth, sunlight, food and water.

PROPOSED BOLL WEEVIL ERADICATION RULE CHANGE

Recently, a proposed rule change was approved by the Plant Board Boll Weevil Committee and has been scheduled for a public hearing. The change is for the

purpose of adding/establishing the **assessment fee** for the NE Delta Zone for 2009 and to re-establish the regulations for the rest of the state for 2009. If approved, the **eradication assessment fee will be set at \$14.00 in the NE Delta Zone for 2009. All other regulations will remain the same.**

You can find a draft copy of the regulations on the Plant Board web page at www.Plantboard.org The public hearing will be held on **December 9, 2008 at 10:00 a.m.** in the Plant Board Office, 1 Natural Resources Dr., Little Rock, AR 72203. Written comments can be sent to: Aquaculture Hearing, P.O. Box 1069, Little Rock, AR 72203 before the close of business on Tuesday, December 2, 2008. Verbal comments may be presented at the hearing if you so choose.

RREC ONLINE NEWS

The first issue of a Rice Research and Extension Center (RREC) online newsletter includes articles about construction of new center facilities, the rice breeding program, the 2008 Field Day, the biofuels research and demonstration program, row rice production, an international award for plant pathologist Fleet Lee and more. This newsletter will be published only on our Web site: <http://aes.uark.edu/rice.html> **We can get you signed up for email notifications for this RREC news if you provide us your email address and/or let us know you want to be added to the email notification. Email dplunkett@uaex.edu or bphillips@uaex.edu with your request.**

UPCOMING MEETINGS

- December 9 - Arkansas Soybean Research Conference – Brinkley Convention Center
- January 9, 2009 - Tri-State Soybean Forum - Oak Grove, LA
- January 5-8, 2009 - Beltwide Cotton Conference – San Antonio, TX

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