

Randolph County FARMER

*Serving the interests of Randolph County Farm Bureau
Members both Farmers and Non-Farmers*

Official Publication Of The Randolph County Farm Bureau - Sparta, Illinois 62286

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Successful Inaugural Program at Sparta High School

The time finally arrived to try out the Plant to Power Bioreactor at a local school. Meghan Castle, FFA Advisor, and Aaron Byrne, Chemistry and Physics teacher, enthusiastically agreed to a 3-week biofuel training program sponsored by the Randolph County Farm Bureau and Gateway FS. Ms. Castle had been collecting oil from high school cafeteria since the beginning of the school year for the project. Charles Schupbach, Plant to Power chairman, and Ryan Ford, Manager of the Randolph County Farm Bureau,

arrived early on Monday, September 28 to begin the biofuel experiment with students from the agriculture, chemistry, and physics classes.

The custom built bioreactor was rolled into the Ag workshop, where it would stay for the next three weeks. Charles and Ryan carefully explained the process of converting used cooking oil into biodiesel. They also expanded upon the biofuels industry, recycling, climate change legislation, and agriculture. During the first day, the collected oil was transferred to a 55 gallon drum

where it was heated to 140 degrees by a drum heater. Once heated 30 gallon of oil was pumped into a recirculation tank, where 7.5 gallon of Methyl oxide was mixed into the oil. The oil recirculated for 2 hours while being reheated to 140 degrees by an inline heater. When the two hour span was complete, the mixture was then pumped to a washing tank to sit for 12+ hours.

On Tuesday, the students evaluated the change that occurred in the washing tank. A visible line appeared near the 7 1/2 gallon mark. A dark substance formed on the bottom of the tank. Through a process called transesterification glycerin is formed. The glycerin was drained out of the tank leaving behind methyl ester (biodiesel). The glycerin can be used for a number of things including parts cleaner, soap, and fuel for fires or wood burning stoves.

Charles began Wednesday by hooking up 2 water hoses to the bioreactor. One hose would supply a fresh source of water for washing the biodiesel; the other would be used as a drain hose for waste water. The water was turned on and ran through a meter into a misting system on top of the tank. Water was slowly misted over the biodiesel at a rate of 5 gallon per hour. The washing took place for 12 hours until 60 gallon of water had run through the biodiesel.



Bobby Higgins and Miranda Stewart drain off the glycerin during the bioreactor experiment at the Sparta High School.

Thursday, Meghan turned off the water before class started. Ryan and Charles drained off the excess water leaving behind the clean biodiesel. They reviewed the entire process with the students before beginning the final process of bubbling. A small amount of air is pumped into the biodiesel to evaporate any leftover water or methanol. Again this process continued overnight and concluded the next morning.

Friday was a day to celebrate a week of hard work and success. The bubbler was turned off and 100%

biodiesel remained. The product was an orange/yellow color with 100% visibility. A couple of small jars were filled to commemorate their first batch of biodiesel. The class reviewed the process carefully because they would be on their own for the rest of the experiment.

The classes took over the project for the next two weeks. They followed a step by step instructional sheet and examined their notes from the 1st week. Ms. Castle would read each step and the students would put

(Continued on page 2)



Beth Jones, Sparta High School Student, assists Ryan Ford, Manager of the Randolph County Farm Bureau, in a simple titration that checks the ph level of the waste vegetable oil.

Official Call of the Randolph County Farm Bureau 93rd Annual Meeting

The 93rd Annual Meeting of the Randolph County Farm Bureau will be held Friday, November 13, 2009 at the Chester VFW. The evening will feature business, awards and attendance prizes. This year the business meeting will begin at 5:00 p.m. followed by an Appreciation Dinner at 6:30pm.

The evening will facilitate a report of the past years activities to the membership. Also, we will gather ideas from the members present through the Annual Meeting Survey. We use the results to plan for the future. Farm Bureau is - members working together to improve agriculture and Randolph County. Working together we can make a difference!

The members will elect Directors to the County Farm Bureau Board from each Region, for the B seats. Ballots will be mailed to all MM Members. The meeting is open to all Randolph County Farm Bureau Members.

All Members who plan to attend the meal must notify the Farm Bureau office by November 6, 2009, in order to process the meal arrangements. You may notify the office by calling (618)443-4511. You may leave a message after office hours.

We hope each of you can join us for an enjoyable evening.

RANDOLPH COUNTY FARMER

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POSTMASTER: send all address changes to Randolph County Farm Bureau, PO Box 504, Sparta, IL 62286. Phone Number (618)443-4511

OFFICERS OF THE FARM BUREAU

PRESIDENT JACK MCCORMICK
 VICE PRESIDENT KIRK LIEFER
 SECRETARY GENE KORANDO
 TREASURER RON LIEFER

Randolph County Farm Bureau BOARD OF DIRECTOR

2008-2009 ATTENDANCE

DIRECTOR	REGION & SEAT	OCT 09-SINCE DEC 08	
Gerald Cox	Region 1 Seat A	P	9/11
Richard Tanner	Region 1 Seat B	P	9/11
James Schlueter	Region 1 Seat C	A	9/11
Glenn Meyer	Region 2 Seat A	P	11/11
John Irose	Region 2 Seat B	P	6/11
Jack McCormick	Region 2 Seat C	P	11/11
Kirk Liefer	Region 3 Seat A	P	10/11
Gene Korando	Region 3 Seat B	P	11/11
Ronnie Liefer	Region 3 Seat C	P	10/11
David Gramenz	Region 4 Seat A	P	11/11
Ron Deterding	Region 4 Seat B	P	10/11
Charles Schupbach	Region 4 Seat C	P	10/11

COMMITTEE

Ag-in-the-Classroom Committee
 Plant to Power
 Finance Committee
 Governmental Affairs Committee
 Legislative Sub-Committee Chair
 Local Affairs Sub-Committee Chair
 Issue Management Committee
 Livestock Committee
 Marketing Committee
 Membership & Executive Committee
 Prime Timers Committee
 Public Relations Committee
 Sports Committee
 Viewpoint Committee
 Women's Committee
 Young Farmers Committee

CHAIRPERSONS

Kendra Beattie
 Charles Schupbach
 Ronnie Liefer
 Glenn Meyer
 Dean Campbell
 Steve Stallman
 Ronnie Liefer
 Ron Deterding
 Kirk Liefer
 Jack McCormick
 Group
 Steve Stallman
 Glenn Meyer
 Kirk Liefer
 Christine Smith

FARM BUREAU STAFF

Ryan Ford, Manager
 Kendra Beattie, Administrative Assistant/AITC Coordinator
 Tammy Little, Office Assistant/Bookkeeper

RANDOLPH COUNTY FARM BUREAU STATEMENT OF PURPOSE

To promote and protect the development of a permanent and profitable system of agriculture in Randolph County, while promoting and maintaining the economies of the rural towns and communities encompassed in the County.



Toy drive for families in need

Would you donate a toy to help a child receive a toy this Christmas? The Randolph County Farm Bureau Women's Committee will help WHCO and the Christmas Tree Lady by collecting toys from our members and friends.

If you would like to donate toys or funds to this cause, please drop them off at the Randolph County Farm Bureau Building, (1403 Hillcrest Dr, Sparta) by December 18. Farm Bureau Members attending the 93rd Annual Meeting are asked to bring an item to the meeting November 13 at the Chester VFW.

This program helps area families as they struggle to work toward the betterment of their family unit. Let us find it in our hearts to help those less fortunate all year long and throughout this holiday season. If you have questions, please call the Farm Bureau Office at (618)443-4511.

****NON-PERISHABLE FOODS WILL ALSO BE COLLECTED FOR LOCAL FOOD PANTRIES DURING THIS PERIOD****



Miranda Stewart turns the valve to drain the final amount of wash water off of the 1st batch of the Plant to Power Biodiesel at the Sparta High School ag shop.

Successful Inaugural

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on their safety gear and complete the tasks. Both weeks the students were very successful at producing their own biodiesel.

For the maiden voyage of the Plant to Power biodiesel bioreactor, the entire 3 week program was a huge success. Everything went exactly to plan, without any problems. Richard Tanner, Charles Schupbach, and David Gramenz's hard work and dedication to this project finally has begun to pay off. They have spent numerous hours in planning, construction, experimenting, and designing the bioreactor. Several changes and adjustments have improved the usability of the device.

Special thanks go out to Gateway FS, Randolph County Farm Bureau, Byrd's Body Shop, Regional

Superintendent of School Office, and Red Bud FFA Alumni for their generous support and contributions to the project.

The next episode of Plant to Power will be at the Regional Teachers Workshop in Red Bud on November 3rd and then onto Red Bud high school for another 3 week program.

You can keep up to date with Plant to Power progress on our new website www.rcfb.org

Pinochle Night

Randolph County Farm Bureau Prime Timers Committee sponsors a monthly pinochle game for its members. There is a \$3.00 per person entry fee to pay for prizes and refreshments.

The next pinochle night will be held on Tuesday, November 24 @ 7:00 p.m.

Due to the limited space available, only the first 40 members to sign in will be able to play and you must be a member of Randolph County Farm Bureau.



WE'RE ILLINOIS' PREMIER FARM LENDER



(L-R) Laura DuFrenne, Cheri Lange, Craig Yoch, Eric Brammeier, and Carol Stoll

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Weather



By Raynold

The Marketing Committee offers the following look at weather from one of our Farm Bureau Members. This information is sent for your observation. Neither the Randolph County Farm Bureau nor Raynold makes any guarantee on the accu-

racy of the forecast. The information is based on Ember Days along with other signs and cycles. November Weather for 2009 Our Ember Day Weather is not working out for October; too many days of cloudy and rain. November

Ember Day Sept 18 had all sunshine/should have about 25 days of sunshine. If that don't work out, I'm wrong again this year. I'll probably lose my job!!

Nov 2nd is full moon at 2:14 pm called a Beaver Moon, they have to get ready for winter before the water freezes over. Nov 1st, Daylight Savings Time ends; slow down. Nov 3rd is VOTE VOTE day; someday they might not let us.

Nov 11th is Veteran's Day; "Please" if you see a veteran, thank him for his service.

Say happy birthday to Mickey Mouse on Nov 18, he's 81. Thurs, Nov 26 is Thanksgiving, a day to remember the past, of old time cooking, of all the family together, of Grace that was said at the table, and of our country that we put together. Thank You God for helping us all.

Don't be content to wait and see what will happen but have the determination to make the right things happen.

Farm Bureau Foundation Scholarship Deadline

The Randolph County Farm Bureau Foundation scholarship deadline for 2010 is January 29th.

The Randolph County Farm Bureau Foundation is offering Scholarships to Graduating Seniors and Student in College.

The students must be members or dependents of a Randolph County Farm Bureau Member in Good Standing! They must be entering agriculture or agriculture related fields of study.

For an application or more information, stop by the office or call 618-443-4511.

CALENDAR OF EVENTS

- Tues., Nov. 3 Plant to Power Demonstration, Teachers Workshop in Red Bud; 10:30 a.m.
- Thurs., Nov. 5 Regional Manager's Meeting, Benton; 10:00 a.m.
- Tues., Nov. 10 St. Louis Agribusiness Club Meeting, Monsanto; 11:30 a.m.
- Tues., Nov. 10 RCFB Board Meeting, RCFB; 8:00 p.m.
- Wed., Nov. 11 Veterans Day, Thank you Veterans
- Thurs., Nov. 12 Alternative Energy Meeting, RCFB; 6:00 p.m.
- Fri., Nov. 13 Randolph County Farm Bureau Annual Meeting, Chester VFW; 5:00 p.m. Meeting, 6:30 p.m. meal
- Tues., Nov. 24 Pinochle Night, RCFB; 7:00 p.m.
- Wed., Nov. 25 LKSI Meeting, New Athens; 12:00 p.m.
- Thurs., Nov. 26 Happy Thanksgiving, Office Closed
- Fri., Nov. 27 Office Closed
- Tues., Dec. 1 District 16 Resolutions Meeting, St. Clair County Farm Bureau; 6:30 p.m.
- December 5-8 IAA Annual Meeting, Chicago



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Trivia Night

Trivia Night & Silent Auction

St. John's Lutheran Church, 302 West Holmes, Chester

\$10/person—maximum 8/table

50/50
Drawing!!!

Prizes for top 2 teams!!!

Doors open at 6pm—Trivia starts at 7pm

Saturday, November 14, 2009

All proceeds going to Randolph County 4-H Education Foundation to support local youth scholarships and programs.

**Drinks available for purchase from local 4-H Club
Snacks may be brought in

Space is limited—
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U of I Extension office at
443-4364.

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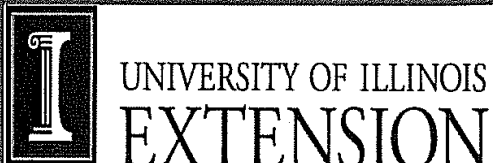
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October 16, 2009

To: Randolph County Farm Bureau Member
 From: RCFB Membership Committee
 Re: Citrus Campaign

It is again time to take orders for fresh Florida citrus and *new this year* Red Delicious apples from **Eckert's** in Belleville. This year we will again be ordering pecans from **Mascot Pecans** in Georgia (*because of the price increase of candies we will only be selling the Butter Toffee Popcorn w/ pecans this year*) and cheese from **Aunt Sarah's** in Arthur, IL, same as last year.

Sales tax is again included in the price this year.

If you would like to order, please fill out the form below and return it along with your check. If you have any questions, please feel free to call the office at 618-443-4511. Thank you for your support of Farm Bureau and this membership program.

Due to distributor deadlines, orders must be placed by Friday, November 13, 2009!

We will call you when it is available for pickup, probably Dec. 10th (**11th if you order cheese**).

Make checks payable and mail to: **Randolph County Farm Bureau, PO Box 504, Sparta, IL 62286**

FARM BUREAU FRUIT & NUT PROGRAM
 Sponsored by the Randolph County Farm Bureau

PRODUCT	SIZE	COST	QUANTITY	TOTAL COST
Grapefruit	4/5 Bushel	\$22.00		
	2/5 Bushel	\$12.00		
Navel Oranges	4/5 Bushel	\$22.00		
	2/5 Bushel	\$12.00		
Tangelos	4/5 Bushel	\$20.00		
	2/5 Bushel	\$12.00		
Red Delicious Apples	88 count	\$38.00		
	44 count	\$22.00		
Pecan Halves	1 lb	\$6.50		
Butter Toffee popcorn w/pecans	12 oz	\$4.25		
Cheese Variety Wheels- 1/4 ea. Colby, Marble, Mild Cheddar, & Pepper Jack	1 lb	\$8.00		
Other				
Other				
			Total	\$

I have enclosed my check for \$_____ for the items marked above.

Name _____ Phone numbers we can contact you at:
 Address _____ #1 _____
 _____ #2 _____

Rain Fall Reports for Apr - Sep 2009

	Apr	May	Jun	Jul	Aug	Sep	Total
Baldwin							
Gerald Cox	5.95	7.9	8.0	6.4	3.2	3.1	34.55
Chester							
Mike & Janet Vasquez	7.55	10.95	4.15	8.5	2.9	1.8	35.85
Coulterville							
Sherwood Burns	7.3	5.3	10.9	9.9	4.3	1.5	39.20
Ellis Grove							
JoAnn Meyer	7.2	9.7	4.6	7.8	1.5	4.3	35.10
Evansville							
Ed & Carla Pautler	4.83	8.9	3.98	6.5	3.75	3.84	31.80
Pr Du Rocher							
Arnold & Joann Donjon	7.2	10.8	4.8	8.0	4.7	4.1	39.60
Red Bud							
Vernon Lucht	6.65	7.92	5.78	5.06	2.57	4.65	32.63
Sparta							
Marion & Jane Schupbach	6.05	6.1	8.75	8.8	1.1	2.1	32.90
Steeleville							
Larry Ebers	8.45	7.9	4.55	8.8	2.1	1.5	33.30
Tilden							
Forrest & Pat Matson	8.1	6.3	6.5	7.2	3.5	2.0	33.60
Walsh							
Clarence & Marcia Kloth	9.0	7.9	6.25	7.6	3.7	3.6	38.05

FARMER'S EXCHANGE

Items for this column need to reach our office by November 13, 2009 in order to be included in the next issue. Ads may be submitted by phone 618-443-4511, by mail @ PO Box 504, Sparta, IL 62286, or by email - rcfb@egyptian.net. Due to the amount of ads received, they will run for two months at a time. Only one free 25 word ad per membership per month (unless more space is available). Advertisements are free to members and \$5.00 for non-members. The member must use their home phone number for the advertisement. Please call us 618-443-4511 and let us know if the item sells. We thank each member who puts in an advertisement and/or purchases from a member.

FOR SALE: '79 Ford 350 dump truck \$3600, Steel panels (40" x 10ft) brn \$100, Wooden desk w/chair \$50, MTD 21" Mower bagger-self prop \$100, Sears weedeater/tiler \$50, Necchi sewing machine w/table \$35, Sears sawsall \$50, 4 kitchen chairs gold vinyl \$25. 443-4080 leave message

FOR SALE: Square hay bales - alfalfa \$3, grass \$3, also sq straw bales. 965-3538

FOR SALE: Glencoe Chisel Plow, 12 ft, \$650; 3 Wooden Chicken Nests, \$80; Bush Hog, 6 ft, \$300; Westfield 8-61 Swing-Away Auger, \$1,750; Oliver 1655 Tractor-gas, \$7,000; Willmar Super 600 Fertilizer Spreader, \$7,000. 282-3950

FOR SALE: Clipper seed fanning mill; Metal slide in stock rack for pickup truck \$200. 826-2491

FOR SALE: Natural gas furnace, 2yrs old, 75,000 BTU, \$500; Cast iron bathtub, \$20; Engine dress up kit for a Ford 289-351, \$40. 497-2167

FOR SALE: #353 New Holland Grinder & Mixer, in good condition. 282-2206

FOR SALE: GE Microwave, good shape \$25. 965-3503

FOR SALE: Good hunting clothes- pants, vest, coat, etc. Size 8 Wolverine Men's work boots were \$100 new asking \$50 obo. Bowling ball bag used 1 season. Noritake 26 pc dinnerware, never used. Ladies dress gloves from 1940 or 50s. 965-3115

FOR SALE: Noritake China, Sylvia pattern, 12 of each dinner, luncheon & salad plates, small & large bowls, 14 cups & saucers, 2 serving bowls & platters, sugar bowl & creamer, value \$700, asking \$200. Pfaltzgraft White Terrace pattern, 12 place setting, cream & sugarbowl, \$150. 615-7515

FOR SALE: Anvil 125# \$300, 30ft TV Antenna Tower \$25. 618-763-4222

FOR SALE: Rascal R235 heavy duty electric scooter, 450 lbs weight capacity. 282-2798

FOR SALE: 17ft. Polar Kraft Boat w/ 75 hp outboard engine, set up for duck hunting or fishing, \$4,200. 826-4700 or cell 314-550-0457

FOR SALE: 4x5 800 lbs Alfalfa grass bales, call for price. 615-7401

FOR SALE: Antique Treadle Singer Sewing Machine in wooden cabinet, cabinet refinished, manuf. 1916, works & looks good, \$200. 443-3388

FOR SALE: Laying Hens & roosters, Barred Rock, heavy breeds, \$6 ea. 282-6839

WANTED TO BUY: Old batteries, junk farm equip, radiators, wiring, etc. 282-6839

FREE REMOVAL OF: Old appliances, tin. Call Woody 282-6839

FOR SALE: 2 Combine Rice Tires, 30x5Lx32 and tubes - 12 ply, tread good. 826-2707

FOR SALE: 1952 Super M, wide front end, power steering, runs good, \$3000 obo. 774-2898

FOR SALE: 100 amp Meter Loop; 200 amp Meter Loop, \$150 ea. 826-2479

FOR SALE: Alfalfa-orchard grass hay, small sq bails. 826-2479

FOR SALE: 7800 sq ft recycled Maple hardwood flooring, by board ft; also solid oak frame building, needs dismantled and salvaged. 443-4038

FOR SALE: Walk in cooler door 3x7 aluminum; cooler shelves w/racks; 3 ton walk in outside compressor; 4 pairs of glass doors w/4 x4 frame for cooler. 859-5002

FOR SALE: 2002 For Explorer, 4.0 engine, excellent condition, \$5,000. 965-3708

FOR SALE: Ventless Gas Fireplace Insert w/logs; Fireplace Screen; Private Band Radios; 10"-51' Portable Grain Auger w/20 hp motor; Bottom Rings for 24' Grain Bins; 3 electrical 1.5 hp stirratos motors; 3 hp rebuilt electric motors. 443-3707

FOR SALE: JD 4420 Combine, 444 corn head, 13 ft grain head, good condition. 965-9658

FOR SALE: 4 row JD Corn Planter w/ dry fert. boxes, field ready, good condition. 965-9658

FOR SALE: Three pieces of 100ft copper welding cable, \$150 each. One piece of 100ft aluminum welding cable, \$100. One piece of 93ft aluminum welding cable, \$90. 853-4459