

# North Carolina Poultry Industry Joint Area Newsletter

December, 2008

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## Contact Us

North Carolina State University  
Department of Poultry Science  
234 D Scott Hall, Box 7608,  
Raleigh, NC 27695-7608  
Telephone: 919-515-5407  
Fax: 919-515-7070  
Website:  
<http://www.ces.ncsu.edu/depts/poulsci/>

Issue Editor: Dan Campeau  
Issue Layout: Susan Graham

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## NC Farm Bureau to Partner with USDA to Promote Farm Energy Efficiency



*Kathy Bunton, Area Specialized Agent, Poultry,  
NC Cooperative Extension*

North Carolina Farm Bureau has been awarded funding for the North Carolina Farm Energy Efficiency Project (FEET) by North Carolina Tobacco Trust Fund Commission. FEET will serve to promote agricultural energy efficiency. The goals of the project include educating farmers about agricultural energy use and efficiency programs, providing low-cost energy assessments for farmers, and assisting in the implementation of on-farm energy efficiency and renewable energy projects.

The first series of outreach and educational programs were held earlier this month and highlighted the economic potential of energy efficiency as well as introduced farmers to the USDA Section 9007 Renewable Energy for America (REAP) Program. This is basically the same program (9006) that you may be familiar with and was a program in the last farm bill. Low-cost energy assess-

ments performed through FEET can be used as part of the application process for the Section 9007 grant and loan guarantee program, thereby grant funds have the potential to leverage federal monies. The project will further enhance the Section 9007 applications by making matching funds available for projects. The energy assessments will be performed for all types of farming operations. Audits will highlight energy saving alternatives as well as simple payback periods for implementation.

The grants and/or loans secured through REAP must be used to upgrade or retrofit existing conditions or practices to improve energy efficiency. New construction is ineligible for consideration. Examples of projects that might qualify for energy efficient grants on poultry farms include but are not limited to: replacing traditional pancake brooders with infra-red tube heating or infra-red brooders, replacing standard curtains with insulated curtains or solid side walls, replacing lighting systems, installing drop ceilings, replacing insulation on sidewalls and doors, replacing existing fans with high efficient fans and using fan covers when fans are not in use.

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## NC Farm Bureau to Partner with USDA

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If you missed one of the six educational meetings that were held across the state and are interested in learning more about these two programs, you may contact your regional USDA Rural Development office or find more information at the Farm Bureau web site:  
<http://www.ncfarmenergy.org/>.

### Regional Rural Development Offices:

Asheville: 828-254-0916

Shelby: 704-471-0235

Jefferson: 336-246-2885

Lumberton: 910-739-3349

Albemarle: 704-982-5114

Henderson: 252-438-3134

Winton: 252-358-7836

Sanford: 919-776-4332

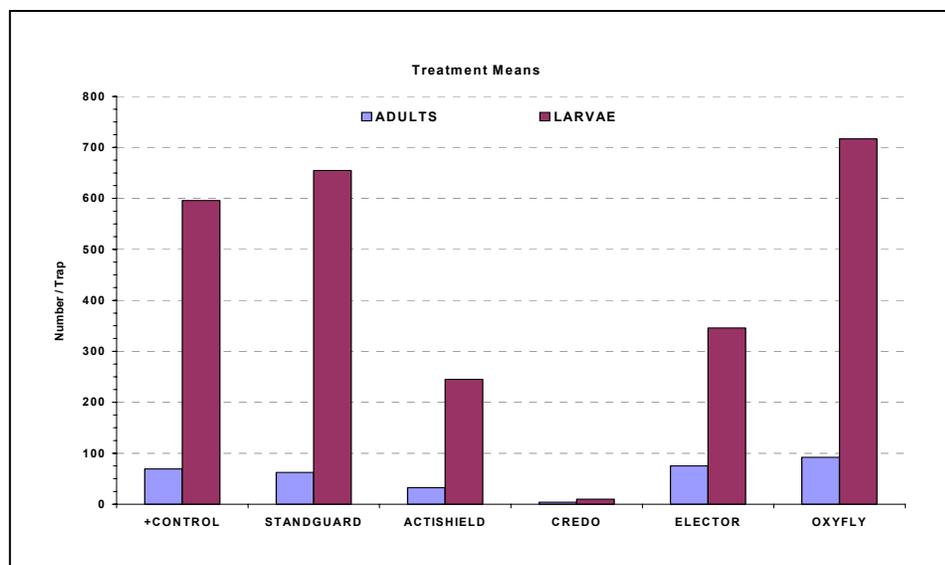
Kinston: 252-526-9799

## New Products for Beetle Control

Mike Stringham, Extension Entomologist, N. C. State University, Raleigh, NC

The past couple of years have seen the introduction of five new insecticides for darkling beetle control. Two, Credo™ SC (Bayer) and Oxyfly® (Novartis) contain active ingredients that are familiar to the poultry industry (imidacloprid and lambda-cyhalothrin, respectively). Imidacloprid is the active in Bayer's line of QuickBayt® products and is in a new class of insecticides called neonicotinoids. The pyrethroid lambda-cyhalothrin first appeared as Grenade®, a product used for fly and beetle control. The new product, Oxyfly, is little changed. Standguard™ (Elanco) contains gamma-cyhalothrin which is a variant of the older lambda-cyhalothrin. Actishield™ (Alpharma) adds bifenthrin to the already crowded class of pyrethroids. Finally, Elector® PSP (Elanco) contains spinosyn, an entirely new class of insecticide.

Recently, we completed a field trial in turkey brooder houses that included all five products. The results also give some indication of how well the products can be expected to perform in broiler production as well. All treatments were applied one week prior to placement and compared to a standard treatment (Ravap®). Application rates were the highest recommended for each tested product. In short, Credo did an excellent job of suppressing adults and larvae for an entire 5 week brooder cycle. Actishield and Elector PSP did moderately well for the same period compared to the positive control (Ravap), while Standguard and Oxyfly performed no better than the control. Translated to broiler production, Credo at the full rate can be expected to dramatically suppress beetles for at least 6 weeks following application, and perform reasonably well for another 3 weeks. Elector and Actishield provide good suppression for at least 5 weeks, but control diminishes rapidly thereafter. However, the more flexible labeling of Elector and Actishield permits targeted secondary treatments along walls and beneath feeders while birds are present. Properly timed, such treatments can extend beetle control by several more weeks.



Prospects for better beetle control are looking good, but we're not home free. Proper application and careful rotation of available insecticides to manage resistance are just as important. I'll talk about those subjects next time.



## Youth Programs Update

For the most current news and information please visit [www.poultry4h.info](http://www.poultry4h.info)

### Heritage Youth Market Turkey Show – North Carolina Mountain State Fair

The 1<sup>st</sup> annual show was held on September 13<sup>th</sup> and was a great success. Over 50 youth participated in both a tom and a hen show. Participants received their heritage breed turkey poults in April of 2008 and raised them until the show in September. Judges from NC State Universities Department of Poultry Science asked questions about the heritage breed in general as well as differences noticed in raising heritage birds as opposed to commercial market turkeys.



### Youth Market Turkey Show – North Carolina State Fair

Over 200 youth from across NC participated in the 2008 show with some of the largest birds ever. Many birds weighed in at over 40 pounds and one even tipped the scales at over 50 pounds! Garrett See, 15, of Raleigh (Wake County) sold his grand champion turkey to Harris Teeter for \$6,600. Reddin Wheeler of Angier (Harnett County) had the reserve champion turkey, which Talley Farms bought for \$4,000. Day old turkey poults will be distributed in late May for the 2009 show and registration will again be limited to the first 300 participants with complete information. The registration form will be uploaded to the website in late February. A special thank you to our 2008 poult donor, Tarheel Hatchery of Raeford, NC. Please contact us if you are interested in sponsorship or participation in the show.



### 2008 Poultry Science Summer Institute

We had another highly successful week with 27 rising 11<sup>th</sup> and 12<sup>th</sup> graders interested in learning more about poultry and the poultry industry in NC. Students came from all over NC, and we had two from out of State (NY and KS) join us. Numerous Summer Institute Alums have already applied for admission to NC State University for our Fall 2009 semester. The 2009 dates for the Summer Institute are August 2 – 6 and applications will be available on our website in early 2009 with a due date of May. Space will be limited to 20 participants this year and we expect lots of applications. We invite you to share this opportunity with any qualified youth you know.

Melissa Taylor Scherpereel, NC State University Department of Poultry Science

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## 2008 Ag Water Use Survey

*Dan Campeau, Area Specialized Agent, Poultry, N.C. Cooperative Extension*

The NCDA , Ag Statistics Division, will be sending out a survey that will try to find out how much water agricultural crop and livestock/poultry producers use in normal and in drought conditions. This particular survey will be the first annual water use survey to be sent out and will cover 2008. The individual information from the farm will be held in the strictest confidence. The only data published will be by water basins and by geographic areas of the state. Again, your individual farm information/data will be held in confidence.

As North Carolina state government moves forward with future water usage plans, it is important for agriculture to be protected and to be able to show that we are not the biggest users of ground and underground water sources. This data can and will be used in the future to assess human population growth patterns and industrial growth in our state.

If the producer has identified themselves to use over 5,000 gallons per day, follow-up phone calls will start coming in February and March by NCDA Ag Statistics Division.

This survey will be sent to all farmers in January of 2009. If you need help filling out these surveys please contact your local Cooperative Extension office. We will be glad to help out.

Your cooperation on this survey is critical to provide accurate facts about agricultural water use.

For more information you can also go to [www.ncagr.gov/water](http://www.ncagr.gov/water)



## Contacts for the North Carolina Poultry Industry Newsletter

### On-Campus Contact

Mike Wineland, Ph.D., Dept Extension Leader  
Dept of Poultry Science, NCSU  
[www.ces.ncsu.edu/depts/poulsci/](http://www.ces.ncsu.edu/depts/poulsci/)  
email: [mike\\_wineland@ncsu.edu](mailto:mike_wineland@ncsu.edu)  
telephone: 919-515-5529

### Field Faculty Contacts

Kathy Bunton, Area Specialized Agent,  
Poultry

\*Iredell, Wilkes and Alexander Counties  
<http://iredell.ces.ncsu.edu>  
email: [kathy\\_bunton@ncsu.edu](mailto:kathy_bunton@ncsu.edu)  
telephone: 704-878-3154

Dan Campeau, Area Specialized Agent,  
Poultry

\*Chatham, Harnett, Lee, Moore and  
Randolph Counties  
<http://chatham.ces.ncsu.edu>  
email: [dan\\_campeau@ncsu.edu](mailto:dan_campeau@ncsu.edu)  
telephone: 919-542-8202  
cell: 919-548-9895

Richard Goforth, Area Specialized Agent,  
Poultry

Anson, Cabarrus, Montgomery, Rich  
mond, Scotland, Stanly and \*Union  
counties  
<http://union.ces.ncsu.edu>  
email: [richard\\_goforth@ncsu.edu](mailto:richard_goforth@ncsu.edu)  
telephone: 704-283-3743  
cell: 704-363-2359

James Parsons, Area Specialized Agent,  
Poultry

\*Duplin, Sampson and Wayne Counties  
<http://duplin.ces.ncsu.edu>  
email: [james\\_parsons@ncsu.edu](mailto:james_parsons@ncsu.edu)  
telephone: 910-296-2143