



# Cheeps & Chirps

..... *Points for Poultry Profitability*

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## 2013 KPF MEMBERSHIP DRIVE

The 2013 membership drive for the Kentucky Poultry Federation started in January. The Kentucky Poultry Federation is your organization and your voice in Kentucky. The Kentucky Poultry Federation needs your support and commitment to this organization as we enter the new year.

Membership benefits include:

- \* \$2,000 Accidental Death and Dismemberment
- \* Partners Discount Card which will save you 20-60% on vision, hearing, chiropractic care, prescription drugs, and optional dental discounts available
- \* Cheeps and Chirps offered via email
- \* A lobbyist in Frankfort to provide aggressive involvement in legislative action in regards to the security of our industry

- \* Subscription to Poultry Times and The Farmers Pride
- \* The KPF quarterly newsletter—the Sunny-side
- \* Each year three producers are awarded the Kentucky Family Farm Environmental Award
- \* Each year four students receive \$1,000 scholarships each. Three of these scholarships are earmarked for a child or grandchild of a producer who is a member of the KPF.

Membership dues are payable on a calendar year basis. The membership application form is available on the KPF website:

<http://www.kypoultry.org/>

## THIRD ANNUAL TODD COUNTY EGGSTRAVAGANZA

Who could have thought of a better way to kick-off the 2013 Easter weekend? Good food, good music, and of course EGGS!!! The Todd County Community Alliance, in conjunction with the Kentucky Poultry Federation (KPF), sponsored the third annual Todd County Eggstravaganza. The event was held Saturday, March 30 in the heart of downtown Elkton, Kentucky.

This event was created for the promotion of Todd County and its poultry industry. Todd County is the largest egg producing county in the state of Kentucky. The KPF and the Todd County Community Alliance teamed up with community organizations and local vendors for this year's Eggstravaganza. Visitors were encouraged to play egg themed games, answer trivia questions

about eggs and even have their picture made in the KPF's egg chair. Drawings for "Incredible Egg" merchandise were held throughout the day. Additions to this year's event included gospel singing and a community-wide Easter egg hunt.

This year's activities focused around the American Egg Boards "Good Egg Project" which is a program created to educate consumers about America's egg farmers and their commitment to provide a product that is nutritious and affordable. Educating consumers on how their eggs go from our farms to their table. Lastly, the project encourages consum-

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## YEAS AND NAYS OF EVAPORATIVE COOLING

Evaporative cooling systems are a vital part of most poultry houses in Kentucky. They are a key factor in maintaining a high level of production through the summer, and they can prevent catastrophic bird mortality in periods of extreme heat. Time and money spent keeping the cooling system in good operating condition pays off in improved bird performance and longer equipment life. The following tips will help ensure maximum benefit from recirculating evaporative pad systems.

### The “To Do” List

- Run the recommended amount of water (0.75 gal/min per linear foot of cooling pad) over the pads. For example, a 70-foot pad needs about 52.5 gal/min. Adequate water flow not only keeps the pads wet but it also flushes dirt and minerals off the pads.
- Supply the cleanest water with the lowest mineral content possible. Dirt and minerals in the water will accumulate on the pads.
- Clean or replace filters weekly or as needed. Clogged filters restrict the pump output and reduce water flow over the pads.
- Clean holes in distribution pipes & flush the pipes to remove debris. The pad should be completely wet without dry spots or streaks.
- Allow the pads to dry completely once every 24 hours. Drying limits algae growth.
- Bleed off water (about 1 gal/hr per linear foot of cooling pad) or dump & refill the system once a week. Adding dilution water reduces mineral concentrations and helps keep the water pH in the proper range (6 to 8). High pH makes the pads soft.
- Keep the pump intake screen clean and make sure the floats are properly adjusted and working. A restricted pump intake reduces water supply to the pads.
- Drain, clean, & disinfect the whole system quarterly. Regular cleaning helps avoid problems at critical times. Draining, cleaning, and disinfecting is a good way to limit algae growth problems.



### The “Don’t Do It” List

- Do not** use harsh cleaners and water treatment chemicals on pads. Never use chlorine bleach or similar products. (see sidebar)
- Do not** try to clean pads with a high pressure washer or stiff brush. Those methods will damage the pads. Gentle brushing with soft bristle brushes and rinsing with a low pressure garden hose is best.
- Do not** use timers to cycle the pump on/off. Every wet/dry cycle reduces the life of the pads and every drying cycle adds to the mineral “crust” on the pads.
- Do not** allow pads to set in water when the system is not operating. Adjust troughs and floats so that water drains to the sump and is maintained at the proper level. Continuous wetting makes the pads soft and mushy and causes the whole pad to sink downward from the top. The resulting gap at the top allows air to bypass the cooling pad, reducing the overall cooling effect of the system.
- Do not** ignore leaks in the water collection or distribution system. Leaks may reduce water flow to the pads or cause excessive water use.
- Do not** operate the system without line strainers and/or filters. Trash & dirt in the water will accumulate on the pads and clog holes in the distribution pipe.
- Do not** blow grass clippings, dust, dirt, rocks or other materials toward the pads. The corrugated cardboard pads are easily damaged and any source of nutrients will promote algae growth on the pads.
- Do not** spray herbicides or other chemicals on the pads to kill algae. Cleaning and disinfecting the water distribution and collection system is the best approach. After cleaning, an algaecide (see sidebar) can be added to the water but must be replenished to compensate for make-up water that is added.

Most manufacturers have recommendations and guidelines for operation and maintenance of their evaporative cooling systems. They are also likely to have a list of cleaning and sanitizing products that they recommend for use on their pads and equipment. Ask your equipment supplier to help you obtain specific recommendations for your system.

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### Products & Chemicals for Cooling Pads

The following is a partial list of products that are often recommended for cleaning and algae control in evaporative cooling systems. Additional products that are equally effective may also be available. Consult manufacturers for specific recommendations.

***Always read and follow label directions for all products. Do not use chemicals that are not labeled for use on cellulose evaporative cooling media.***

#### Cleaning & Sanitizing

Chemical groups: quaternary ammonia, detergents, mild acids, gluteraldehyde

Example Products: Aqua Max XL, Cool-N-Klean, Virocid, CID-20

#### Algae Control

Chemical groups: quaternary ammonia, quaternary amines, tributyltin oxide

Example Products: Physan 20, Evap 100 Algicide, Triathlon, Green-Shield, Kool-N-Kleen

*Note: Copper sulfate is an effective algae control product but is very corrosive in pure form and may damage pumps or other equipment. Do not use copper based products unless they have been specially formulated to prevent corrosion.*

#### DO NOT USE

Chemical groups: oxidizing agents, oxidizing biocides, caustic chemicals, strong acids, most swimming pool treatment chemicals  
***[examples – chlorine bleach, chlorine dioxide, calcium hypochlorite (HTH tablets), hydrogen peroxide, sodium hydroxide, hydrochloric acid, sulfuric acid]***

Example Products: Clorox, Purex, Peraclean 5, Proxy-Clean, Muriatic Acid



*Clogged pads restrict airflow and reduce cooling capacity*



*A gentle spray from a garden hose is best for rinsing pads. Cellulose pads are easily damaged with a high pressure washer.*

## KENTUCKY POULTRY FEDERATION PARTNERING WITH FFA

Dr. Kristie Broadbent Guffey is the latest edition to the Kentucky Department of Education staff; she is an Agriculture Education Program Consultant and Director of the KY FFA Leadership Training Center. One of Dr. Guffey's first initiatives at the Leadership Training Center is to keep the cost for attending camp low for members, increase food quality, and to connect our members with those producing their food. Her goal is to partner camp with the Kentucky Poultry Federation to gain donations of chicken and eggs which will be used to feed the 2500 students that attend the leadership camp each summer. She has currently received donations from Tyson, Inc. and Cal-Maine, while working with the other companies and growers in the state. Due to the generous donation of these first two companies, Dr. Guffey has received donations from other companies in the state such as, Bremner out of Princeton, Kentucky. Bremner makes cookies and other desserts and has graciously donated five pallets of cookies to the camp this summer. "One of my goals as the new director of the Leadership Training Center was to partner with our agricultural commodities in the state. Our FFA, FBLA, and FCCLA members come from across the

state to our camp each year, and it is a prime opportunity to educate our youth about Kentucky agriculture and industry," said Dr. Guffey.

The leadership of Tyson and Cal-Maine has paved the way for other organizations to become a part of this exciting opportunity to educate and enhance the future consumers" stated Dr. Guffey. The FFA Leadership Training Center will provide an educational component of how Kentucky growers, processors, and distributors are feeding the world and providing employment for the future generations of agriculturists. They will be challenged to go back to their community and discuss how Kentucky growers, producers, processors and distributors are giving back to the youth and feeding the world.

During the agriculture teacher's summer conference, the KPF will be demonstrating how to make omelets and providing educational materials for the 240 agriculture teachers throughout the commonwealth. "It is partnerships like this that make our organization stronger and help us prepare the next generation on leaders" stated by Dr. Guffey

## KPF SCHOLARSHIPS AVAILABLE

The Kentucky Poultry Federation is looking for high school students graduating in the spring of 2014 or enrolled students who will be attending a college, university or technical training program by fall semester 2014.

Through the generous contributions of KPF members and allied industries, scholarships have been established to assist graduating high school students or students currently attending a college or university, to continue their education. These scholarships were created to benefit the children and grandchildren of our poultry complex employees, growers and allied members.

The KPF will be awarding four students \$1,000 scholarships each. The recipients

of the 2013 KPF scholarships must be a child or grandchild of an employee of a KY poultry complex; a child or grandchild of a grower who is a member of KPF; or a child or grandchild of an allied member of the KPF. Three of the four scholarships have been specifically earmarked for a child or grandchild of a poultry grower who is a member of KPF.

The deadline for application is Friday, August 30. More information on the scholarships, and the application process, can be found on the Kentucky Poultry Federation website at [www.kypoultry.org](http://www.kypoultry.org).

## IN THE NEWS

In March 2010 the Waterkeeper Alliance filed a lawsuit against Hudson Farm alleging that the farm allowed runoff to enter to the streams that feed the Pocomoke River and ultimately in the Chesapeake Bay. In December 2012 Hudson Farms was cleared of any wrong doing but the case cost them \$3 million in legal fees. Hudson Farms has filed a civil suit against Waterkeeper Alliance in an attempt to recoup these costs, claiming that the original lawsuit was frivolous. The judge heard both sides of the case on June 26 but then put the case on 'sub curia' status, meaning there is currently no specific timeline for when a ruling in the case will be available.

Source: [www.wattagnet.com/159922.html](http://www.wattagnet.com/159922.html)

On July 1 Lois Alt, a West Virginia poultry farmer, together with the American Farm Bureau Federation and West Virginia Farm Bureau, asked a US District Court to stipulate that livestock and poultry farmers do not need Clean Water Act discharge permits for ordinary stormwater runoff from their farms. The lawsuit began in 2012 when Lois Alt challenged an EPA order demanding that she obtain a Clean Water Act discharge permit or face a \$37,500 in fines each time storm water came into contact with dust, feathers or small amounts of manure on the ground outside her poultry houses as a result of normal farming operations.

Source: [www.wattagnet.com/159944.html](http://www.wattagnet.com/159944.html)

## STATE 4-H EGG PREPARATION DEMONSTRATION CONTEST RESULTS

The 2013 State 4-H Egg Preparation Demonstration Contest was held in Lexington on July 13. This year we had four participants—1 senior and 3 juniors.

Emily Falica of Allen County was the top senior and will represent Kentucky at the national contest in November. The top junior was Sarah Throgmorton from Graves County. Other participants included Hunter Holt from Livingston County and Harley Tabor from Allen County.

Congratulations to all the 4-Hers for a job well done.

The State 4-H Chicken and Turkey Barbecue contests will be held in Lexington on October 9, 2013 (a Wednesday).



Left to right: Jamie Guffey of the Kentucky Poultry Federation; Harley Tabor from Allen County; Sarah Throgmorton of Graves County; Hunter Holt from Livingston County and Cassinda Bechann of the Kentucky Egg Council



Emily Falica of Allen County being awarded first prize in the senior division



Sarah Throgmorton of Graves County being awarded first prize in the junior division





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## TODD COUNTY EGGSTRAVAGANA ..... continued

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ers to help fight hunger by asking them to eat healthier and to give back to their community.

For more information about the “Good Egg Project” contact the American Egg Board or visit their website at [www.incredibleegg.org](http://www.incredibleegg.org).

Cassinda Bechanan  
Promotions Coordinator  
Kentucky Poultry Federation

Back issues of Cheeps and Chirps,  
as well as other information, are available at  
[www.poultryenergy.com](http://www.poultryenergy.com)

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