

July / August 2020 Vol. 15 No. 4

# **ALABAMA POULTRY**

THE OFFICIAL MAGAZINE OF THE ALABAMA POULTRY & EGG ASSOCIATION







## THE VACCINE FOR ALL SEASONS.

From summer heat to winter frost, the ecology of a broiler house is constantly changing, which can lead to an increased coccidiosis challenge. The precocious strains of HATCHPAK® COCCI III vaccine induce optimum immunity with minimal lesions!<sup>1</sup> So, at whatever level of coccidiosis challenge, your flock can be safely protected year round.

<sup>1</sup> Data on file.

HATCHPAK® is a registered trademark of Boehringer Ingelheim Animal Health USA Inc.  
©2020 Boehringer Ingelheim Animal Health USA Inc., Duluth, GA. All Rights Reserved.  
US-POU-0007-2020



**HATCHPAK®**  
COCCI III

**PREVENTION WORKS**

Shaping the future of poultry health



**Boehringer  
Ingelheim**

Learn more at [poultryhealthusa.com](http://poultryhealthusa.com)

## Board of Directors

### Officers

Jason Shell, President, Decatur\*  
Casey Jones, Vice President, Hoover\*  
Stanley Usery, Treasurer, Athens\*  
Ryan Turner, Secretary, Guntersville\*  
Jason Spann, Immediate Past President,  
Hanceville\*

### Directors

Johnny Adcock, Woodland  
Lou Ayers, Jasper  
Marc de Beer, Huntsville  
Randall Ennis, Tanner  
Tim Holmes, Decatur  
Harold Hunt, Gadsden  
Clint Lauderdale, Hanceville  
Neil Martin, Dothan  
David Massey, Enterprise  
Shaun Morris, Eufaula  
Kevin Parnell, Boaz  
Mitchell Pate, Auburn  
Charlie Peacock, Tuscaloosa\*  
Mike Pigg, Auburn  
John Pittard, Guntersville  
Keith Rhodarmer, Collinsville  
John Roberts, Cullman  
Cliff Rule, Guntersville  
Kenneth Sanders, Brundidge  
Steve Smith, Hanceville\*  
Michael Starling, Shorterville  
Doug Thiessen, Montgomery  
Rod Thomas, Montgomery  
David Thompson, Anniston  
Kevin Touchstone, Russellville  
Larry Upchurch, Lineville  
Josh Whitley, Snead  
Brad Williams, Jack  
Tony Wood, Brantley

### Advisors

Vernon Abney, Auburn  
Dr. Bill Dozier, Auburn University  
Andy Chamness, Montgomery  
Dr. Jeremiah Davis, Auburn University  
Dr. Tony Frazier, Montgomery  
Dr. Ken Macklin, Auburn University

*\*Executive Committee Members*

### AP&EA STAFF

Johnny Adams – Chief Executive Officer  
Ray Hilburn – Associate Director  
Caleb Hicks – Communications Director/Editor  
Jennifer Shell – Administrative Director

*Alabama Poultry Magazine* is published by the  
Alabama Poultry & Egg Association  
465 South Bainbridge Street  
Montgomery, AL 36104  
Phone: 334-265-2732  
Fax: 334-265-0008

Send editorial and advertising correspondence to:  
Alabama Poultry Magazine  
Editor  
P.O. Box 240  
Montgomery, AL 36101  
Advertising rates and closing  
dates available upon request.

Editorial matter from sources outside AP&EA is sometimes presented for the information and interest of our members. Such material may or may not coincide with official AP&EA policy. Publication does not necessarily imply endorsement by AP&EA.

[www.alabamapoultry.org](http://www.alabamapoultry.org)  
[www.facebook.com/BamaChicken](https://www.facebook.com/BamaChicken)

## President's Message

What an honor it is to write this message to you! 2020 will go down as one of the most historic years in the history of our nation and the world. In the coming months, we will likely be faced with more difficult decisions, but we will do so together and ensure we are doing what is right for everyone and our industry.

As we all know, some very difficult decisions had to be made over the past several months because of the pandemic to ensure the safety of our coworkers, families and friends, and those decisions have not been made lightly.

The poultry industry is resilient and always finds a way to keep feeding the world. The great state of Alabama depends on everyone involved in this industry to provide leadership and great products here and abroad, from farm to fork!

I chose the poultry industry because I saw an opportunity to learn, grow and become the best servant leader possible. Jack Welch, longtime GE CEO, said, "Before you are a leader, success is all about growing yourself. When you become a leader, success is all about growing others." I have been fortunate to be surrounded by leaders in my community and church family who were already established in this industry.

Those leaders decided to invest in my future, and I am forever grateful. In reaching out to those leaders, I learned about potential scholarship opportunities afforded through AP&EA. Without the scholarship program, I would not be here today.

Unfortunately, we had to cancel this year's annual meeting in Sandestin and the formal passing of the gavel from our now-past president and one of my best friends, Jason Spann. Serving as your president is personal to me, my opportunity to give back to the organization that has blessed me with so much.

My priorities for the coming year include continuing to support our future leaders through the 2+2 programs and the high school certificate program for industrial maintenance; the relocation of the poultry research farm from Auburn University's main campus to its new site off U.S. 280; our Alabama growers, who are the backbone of our industry; and increased awareness of our industry and its impact on Alabama's economy among our state leaders.

In closing, I want to say I wish our dear friend Wanda Linker, who passed away June a year ago, could be here to experience this presidency with me. My thoughts and prayers continue to be with her family.

Again, my sincere thanks to everyone for allowing me to serve as your president this coming year. I look forward to working with each of you.

Sincerely,

*Jason*

## In This Issue

<b>Chicken Antibodies and COVID-19</b>	<b>pg. 4</b>
<b>Community Colleges Partner with Wayne Farms</b>	<b>pg. 7</b>
<b>Ellises Win Farm of Distinction</b>	<b>pg. 10</b>
<b>Mark's Mart: The Chicken Swirl™</b>	<b>pg. 16</b>
<b>Practical Applications</b>	
<b>Are Your Valves and Hose Bibbs Restricting Your Water Capacity on the Farm?</b>	<b>pg. 23</b>
<b>Calendar of Events</b>	<b>pg. 30</b>

## On The Cover

Mark's Mart owner Rodney King invented the Chicken Swirl™ in the early '90s after aspiring to create food dishes that folks could cook at their homes in 30 minutes or less. The now-famous chicken dish can be purchased at Mark's Mart's Selma and Northport locations. *Photo by Caleb Hicks*





# Chicken Antibodies Help Fight Against COVID-19

By Elizabeth Doughman

**A**ntibodies produced in chicken eggs could lead to a better diagnostic test for COVID-19.

“We are using the immune system of the chicken to produce antibodies against the COVID-19 virus,” said Bruce Rathgeber, associate poultry professor at the Atlantic Poultry Research Centre on Dalhousie University’s Agricultural Campus in Canada.

Joining Rathgeber in the announcement was Jonathan Zuccolo, president of Canada-based AffinityImmuno Inc.

“Our research is focused on determining if proteins from the surface spikes of the virus injected into chickens will produce antibodies that are useful for developing tests to screen for the presence of the virus,” Rathgeber said.

## CHICKENS AS MODELS

Chickens are a popular model for research involving the protein antigens of humans and other mammals. Compared to rabbits or other animal models, one chicken can produce an enormous number of antibodies, which are proteins that



help fight off and prevent future infections.

They also can produce antibodies cheaper and faster than other methods.

“In addition, chicken antibodies are harvested from the egg yolks, so we don’t have to collect blood like you would if you were using a mammal such as a rabbit or mouse,” Zuccolo said.

“Typically, one egg can yield about half a milligram of specific antibody,” he said. “For perspective, this is enough antibody to make about 1,000 virus tests.

Harvesting from chicken eggs results in a very high-purity antibody that can be used in a wide range of applications.”

## COMBATING COVID-19

Researchers at the Dalhousie poultry research center will send the egg yolks of chickens injected with a synthetic COVID-19 spike protein created in China to AffinityImmuno, a Canadian provider of R&D support services for biological drug discovery. Spike proteins are a key component in helping the virus stick to human cells.

The injection is safe to the birds because it is only a virus protein, not the complete virus. In addition, research has shown that chickens are not susceptible to COVID-19.

Scientists at AffinityImmuno will then extract antibodies from the egg yolks and evaluate their use in a simple-to-use diagnostic test for the virus. The test could also be used to identify biomarkers that predict the chance of reinfection, the researchers said. 🐔

*Elizabeth Doughman is managing editor of “Poultry Future.”*

# TAKING CARE OF YOU AND YOUR FLOCK



ALABAMA  
FARM CREDIT

**WHAT DOES YOUR LOAN OFFICER KNOW ABOUT CHICKENS? HOPEFULLY A HECK OF A LOT. AT ALABAMA FARM CREDIT, WE CAN KNOWLEDGEABLY DISCUSS ANY TYPE OF POULTRY OPERATION WITH YOU.**

## LOAN PURPOSES:

- Purchase of poultry farms
- New construction of poultry houses
- Expansion to existing poultry operations
- Equipment and Machinery
- Operating Expenses

## LOAN FEATURES:

- Short-term loans, including operating lines of credit
- Variable or fixed interest rates for mortgage financing
- Flexible repayment terms to fit your poultry operation



ALABAMA  
FARM CREDIT

**TOGETHER WE GROW.**

### ALBERTVILLE

(256) 878-2631  
(888) 305-0093

### ATHENS

(256) 232-0344  
(888) 305-0091

### CULLMAN

(256) 734-0132  
(888) 305-0074

### TALLADEGA

(256) 362-0507  
(888) 305-0098

### TUSCUMBIA

(256) 381-5512  
(888) 305-0081

[www.AlabamaFarmCredit.com](http://www.AlabamaFarmCredit.com)

© 2020 ALABAMA FARM CREDIT. ALL RIGHTS RESERVED.







# EVENING OF FUN

FEATURING  
KILEY GREEN



**CANCELED**

NEW DATE:

~~09.05.2020~~

BIRMINGHAM-JEFFERSON  
CONVENTION  
COMPLEX CONCERT HALL





## Wayne Farms, Community Colleges Launch Training Program

By Caleb Hicks

Fierce competition for skilled employees has prompted Wayne Farms and the Alabama Community College System to develop the state's first accredited workforce development apprenticeship program.

The industry and education partnership between Wayne Farms and two south Alabama community

colleges will focus on hard-to-fill mechanical, electrical and technical positions. The matching programs at Lurleen B. Wallace Community College, or LBWCC, and Enterprise State Community College, or ESCC, will work directly with Wayne Farms to implement the new mechatronics degree, with students completing a two-year syllabus of

classroom instruction in tandem with paid, on-the-job technical internships.

"Community colleges play a critical role in workforce development because we must see workforce needs and ensure our students are highly trained and certified to meet those needs," ESCC President Matt Rodgers said. (continued...)

*(Top Photo:.) A new partnership with Wayne Farms will provide apprenticeship opportunities to Enterprise State Community College mechatronics students. Back row from left are ESCC Dean of Instruction Danny Long, ESCC Director of Workforce Development Ian Campbell and ESCC Mechatronics Instructor Aubri Hanson. Front row from left are ESCC President Matt Rodgers, Wayne Farms Maintenance Manager Roger Allen, Wayne Farms Enterprise Complex Manager Eddie Fortner and Wayne Farms South Alabama HR Manager Patricia Powell.*

For Patricia Powell, human resources manager at Wayne Farms Enterprise, finding qualified maintenance employees is an ongoing challenge.

“As this industry has become more sophisticated, we need people with the skills and training necessary to perform in it,” she said. “Maintenance positions in a modern facility like ours are hard to staff. Demand is always high.”

Wayne Farms maintenance manager Roger Allen oversees the industry/education partnership locally for the company and agreed that highly skilled, technically oriented maintenance positions are some of the most difficult in the industry to fill.

“It’s getting harder and harder,” Allen said. “Plants have become very technical — robotics, automation, PLC drives — so we worked with the schools to develop a program that could meet the need better than on-the-job training alone.”

Rodgers said ESCC is pleased to be part of a program that provides essential training in electrical, mechanical and computer engineering and the opportunity to earn industry-recognized certifications.

“We are excited to join LBW and the Alabama Community College System in partnering with Wayne Farms to not only develop a pipeline that connects our students to successful careers but also fills a need in our local workforce,” Rodgers said.

The dual-purpose apprenticeship is fully accredited and helps fill the industry demand for qualified applicants while also fulfilling the college system’s role as partner with the state’s Alabama Works

*‘To my knowledge,  
this unique  
partnership is the  
first time two colleges  
in Alabama have  
joined together to  
sponsor apprentices  
for a local company.  
We are grateful for  
Wayne Farms and the  
opportunities they  
provide for  
our students.’*



**Chris Cox, LBWCC  
interim president**

economic development program, helping drive regional employment and economic growth.

“This actually started after a conversation with Wayne Farms HR representative Patricia Powell,” said Jennifer Hall, associate dean of Adult Education, Workforce Development and Continuing Education at LBWCC. “They were

being challenged to find technically qualified employees for these highly skilled positions.”

Chris Cox, LBWCC interim president, concurred.

“Apprenticeships have proven to prepare workers for highly skilled jobs while meeting the needs of business and industry for many years,” Cox said. “I can’t tell you how excited LBWCC is to join ESCC in serving as a state model for an apprenticeship.

“To my knowledge, this unique partnership is the first time two colleges in Alabama have joined together to sponsor apprentices for a local company,” he said. “We are grateful for Wayne Farms and the opportunities they provide for our students.”

Enterprise native and Wayne Farms Enterprise Complex Manager Eddie Fortner already had been working with local high schools and colleges to identify promising mechanical and technical students who might be interested in a career in the poultry industry, so the program’s creation was a natural evolution.

“It gives an opportunity to get highly trained people who are ready to work and know what we need, and it allows local residents the opportunity to work close to home rather than commute or relocate to find employment,” Fortner said.

High school vocational and technical students can learn more about the program through their guidance counselors. Information is also available through both community colleges. ♡





*It's About*  
**GROWTH**



***Let's finance your poultry operation.***



*Let's talk*



**800-955-1722 | [FIRSTSOUTHLAND.COM](http://FIRSTSOUTHLAND.COM)**

Your goals to start or grow your poultry operation are within reach. Whether you want to grow your first flock, expand your farm by constructing new poultry houses or purchase an existing poultry farm, First South can provide financing customized to fit your needs.





## Lowndes County Family Wins Farm of Distinction Contest

A Lowndes County beef, poultry and pecan operation has been named Alabama's 2020 Farm of Distinction and will represent the state in the Southeastern Farmer of the Year competition in 2021.

Thomas and Melissa Ellis of Triple E Farm and Priester's Pecans Inc. received the honor during the Alabama Farm-City Awards program in May and took home more than \$15,000 in prizes.

"We're truly honored to be the Farm of Distinction this year," Melissa said. "I think we have a unique and diverse operation between the poultry and cattle operations and with Priester's, too."

The Ellises built their first poultry house in 1983 after purchasing a commercial beef herd in 1981. Today, the operation spans 1,000 acres and includes a 50 head cow/calf cattle heard; 1,000 head of stocker cattle annually; and three poultry houses producing almost 400,000 broilers a year.

Priester's Pecans, meanwhile, cracks, shells and processes more than 1.5 million pounds of gift-quality nuts a year and produces candy, baked goods and snacks, which are marketed through retail stores, a website, fundraisers and wholesale agreements.

"When we built the poultry houses, they helped us pave the way for our future," Thomas said. "Not only has it helped us make steps as a family, but it's helped in our Priester's life, too. When one side may not be doing well or the market is down, another can fill the gap. We're just very blessed."

As Alabama's Farm of Distinction winner, the Ellises received a John Deere Gator from

*Owned and operated by Thomas and Melissa Ellis of Lowndes County, Triple E Farm was named Alabama's 2020 Farm of Distinction. Along with their three sons, the Ellises have three poultry houses, a 50-cow beef herd, 1,000 head of stocker cattle and run the wholesale side of Priester's Pecans.*





*Thomas and Melissa Ellis both grew up on family farms, which is something they also wanted their children, and now grandchildren, to get to experience.*

Ag-Pro, SunSouth and TriGreen dealers, a \$1,000 gift certificate from the Alabama Farmers Cooperative, an engraved farm sign from Alfa Insurance and \$2,500 as the state's representative in the Southeastern Farmer of the Year competition.

With both husband and wife growing up on family farms, Melissa said it's a privilege to work and raise a family in the agricultural industry.

"We're very blessed," she said. "We raised all three of our boys here on the farm, and now, each of them has a different role here. I wouldn't have wanted them or my grandchildren to grow up anywhere else."

Over the years, the family has overcome challenges, including high interest rates, a tornado, a fire at the Priester's candy kitchen and failure of a second pecan business in Georgia. Through it all, the Ellises have been steadied by faith.

"I depend on the good Lord to help me get up every day and have a positive attitude and keep moving forward," Thomas said. "I feel like my wife and I are maintaining what we've been given the opportunity to take care of, whether it's Priester's, the farm business or the land." 🐔





## Do Not Open: Agency Warns Residents about Seed Packs from China

The Alabama Department of Agriculture and Industries, or ADAI, has received multiple reports of the delivery of unsolicited seeds from China to residents across the state through the U.S. Postal Service.

The state agency is encouraging Alabamians who find seed packages they didn't order in their mailboxes not to plant the seeds or even open the packaging, which often is mislabeled as "jewelry."

"We urge all residents to be on the lookout for these packages," Alabama Agriculture Commissioner Rick Pate said. "The seeds could be invasive or harmful to livestock."

Instead, ADAI has established an online reporting system for residents who receive suspicious seed packages. Consumers can go to [www.agi.alabama.gov/reportseeds](http://www.agi.alabama.gov/reportseeds) and provide the requested information. At the end of the online form, they will be given directions on how to store the seeds properly until contacted by ADAI.

The department is collecting seed packages from recipients and testing their contents for unknown compounds, noxious weed seed and invasive species. The testing will determine if they contain anything that could negatively impact U.S. agriculture or the environment.

So far, residents from several other states including, Arizona, Delaware, Kansas, Kentucky, Louisiana, Ohio, Tennessee, Utah, Virginia and Washington State have reported receiving suspect packages of seeds. The practice is known as agricultural smuggling.

Currently, there is no evidence indicating this is anything other than a "brushing scam," where people receive unsolicited items from a seller who then posts false customer reviews to boost sales.

For more information, contact ADAI's Ag Compliance section at (334) 240-7304. 🐦





## RAY HILBURN:

### *Thank You To My Poultry Family*

Summer 2020 has been a whirlwind that has turned my life upside down. After a couple of years of encouragement from two of my good friends, Sue Horn Spencer and Kim Adams, to get a 3D heart screening test, I finally lined it up in

February, taking advantage of a Montgomery hospital's special "Heart Month" price. Because of COVID-related delays, it wasn't until June that I went in for the 3D scan. My score was a little high, so I had to have a stress test. That indicated I had some blockage in my arteries, which meant I needed a heart catheterization.

The cardiologist who performed my heart cath July 6 had been expecting mild blockage, so imagine his shock when he found 90 percent blockage in two of my arteries, including the widow maker, and 70 percent in another. Nine days later, I underwent what was to be a triple bypass but wound up

being quadruple because they found a fourth artery blocked during surgery.

Thank God, the surgery was successful, and there was no permanent damage to my heart. I'm sharing this with you to urge you to schedule a 3D imaging screening test today. I had not experienced any shortness of breath, heartburn, numbness or other symptoms.

I am blessed with the support of many family members and great friends. My three sons, their families and my nieces, nephews and cousins have been there throughout this entire ordeal. My church family also has been a godsend in my life and my recovery. Then, there is my work family, who I spend more time with than anyone. Johnny, Jennifer, Caleb and Amy have stepped up to the plate and carried on AP&EA's duties even in these strange times.

I am grateful to my poultry family and the AP&EA board for taking care of me and still paying me, even while I was sidelined. And thanks to all of you for your prayers. I am so blessed to be a small part of this wonderful poultry family. 🐔



# YO DRIVE DRIVES US

A small business loan isn't just about the money.  
**It's about making the most of it.**

To learn more, visit us at [liveoakbank.com/poultry](https://liveoakbank.com/poultry)



©2020 Live Oak Banking Company. All rights reserved. Member FDIC. Equal Housing Lender. 🏠





# Composting, Simplified.

- ✓ No Expensive Electric Bills
- ✓ No Invasive Trucks
- ✓ Very Neighbor Friendly
- ✓ True Bio-Security



Ecodrum™ is the leading supplier of in-vessel mortality composting equipment.

Since 2007, poultry and hog producers have relied on Ecodrum™ Composters to dispose of their mortality in a cost-effective and bio-secure manner.

## Contact Us

**Larry Raughton** | 256-397-2764  
[lraughton@yahoo.com](mailto:lraughton@yahoo.com)

**Byron Irwin** | 701-446-6139  
[info@ecodrumcomposter.com](mailto:info@ecodrumcomposter.com)



One of our Happy Ecodrum Customers:  
Phil Kirkland & Family  
Alabama

[ecodrumcomposter.com](http://ecodrumcomposter.com)

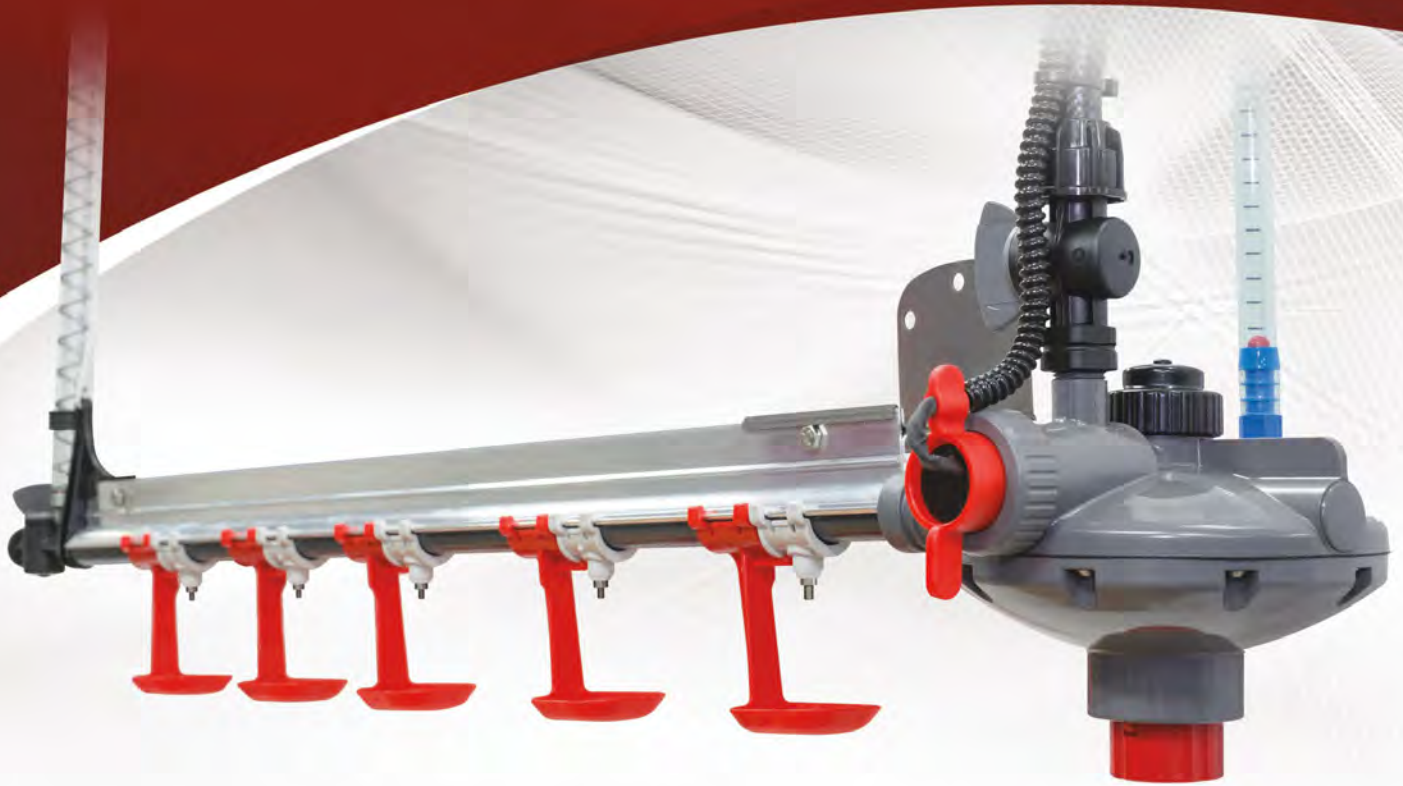
To find out why growers are making the switch to Ecodrum™, watch our customer testimonial video at:

July / August 2020

[facebook.com/ecodrumcomposter](https://facebook.com/ecodrumcomposter) Alabama Poultry Magazine



# THE NEXT ADVANCEMENT IN FLUSHING NIPPLE LINES



Leverage the benefits of fresh water, clean waterlines and optimal water handling with Plasson Flush Control. Available in wired or Bluetooth models, Flush Control for automated waterline flushing decreases labor, increases system longevity, and integrates with Plasson water solutions and nipple systems for enhanced reliability and optimal performance.



## Benefits of Bluetooth

Go wireless and enjoy:

- Automatic flushing managed from any mobile device
- Decreased labor and electrical installation costs



## DIVERSIFIED

DiversifiedAg.com  
800.348.6663





## Selma Store Puts a New Spin on Chicken

By Caleb Hicks

When it comes to specialty foods, Mark's Mart in Selma tops the pecking order, especially for its distinct Chicken Swirl™.

Focusing on fresh food and a mindset for impeccable service, Mark's Mart owner Rodney King invented the renowned poultry palate pleaser. He said he never would have guessed he'd sell what he calculates are millions of swirls.

"It's pretty neat to see this dish as a staple in so many homes of our customers," the Selma native said. "I tried to figure out a new entrée that would be easy to cook and do well on the grill. The Chicken Swirl™ was popular right away."

Chicken breast meat stuffed with smoked beef and wrapped in bacon with a secret blend of spices make up the delectable dish.

*Mark's Mart owner Rodney King, left, developed the beloved Chicken Swirl™ in the early '90s as an easy dish folks could cook at home in 30 minutes or less. With King is employee Jamine LaClear.*





*The Chicken Swirl™ pairs great with other fresh Mark's Mart sides, including their famous twice-baked potatoes.*



*Mark's Mart also sells many local, Alabama-made products at both store locations.*

Such an idea was sparked after Rodney's nearly 12-year stint in the meat-packing industry came to an end in 1992 amid what he calls a "Renaissance period" for folks wanting to spend more time in their backyards.

"Thirty years ago, there just wasn't the amount of good, local restaurants we have in our area now," Rodney said. "I wanted to

develop a restaurant-quality meal that anyone could cook at home 30 minutes or less while enjoying their yards."

Sourcing its poultry meat from Alabama companies including Koch Foods, Mar-Jac Poultry and Pilgrim's, Mark's Mart goes through an average 1,000 pounds a week between its Selma store and its Northport branch.

Not only was the Chicken Swirl™ immediately popular, it continues to hold a spot in many freezers around Alabama.

"During the beginning of the pandemic, we couldn't keep up with the demand," Rodney said. "Folks were buying 20, sometimes 30 at a time to put in their freezers. We hadn't planned on that happening. We're restocked now."

The Chicken Swirl™ isn't the only item Rodney dreamed up upon

his return to carry on the family legacy. He developed and sells several flavor-fresh items including appetizers, salads, fresh meats, twice-baked potatoes, stuffed mushrooms and peppers and more.

Mark's Mart, named for Rodney's brother, opened in Selma in 1978. It relocated just outside the city the following year. In 2019, a second Mark's Mart opened in Northport with Rodney's son, Jacob, as manager.

"The Chicken Swirl™ has been the product that has carried our brand," Jacob said. "Any time you can turn a boneless, skinless chicken breast into something interesting and new, it can be exciting. I think that's just what Dad was able to."

Jacob doesn't take the opportunity to grow the Chicken Swirl™ legacy lightly.





Between the two locations, Mark's Mart uses about a 1,000 pounds of poultry meat per week. Rodney and his staff keep shelves stocked with fresh, homemade appetizers, entrées and other items that keep customers coming back for more.

"Being the third generation in this business and carrying on the family tradition is everything to me," he said. "Not a lot of businesses make it that long. We get to share our family recipes with so many people across Alabama and other places. It really is special."

For Rodney, producing fresh foods made with the finest ingredients is a top priority. That's something he aims to never change.

"Providing a quality product is something I always intended to do," he said. "If someone comes to one of our stores, they know we have

the best quality products we possibly can. I think that is the main reason we're still in business." 🐔

*The word Chicken Swirl™ and the appearance of the Chicken Swirl™ product are both trademarked by Mark's Mart LLC.*



During the summer, Mark's Mart employs many college kids home on break. Shown with Rodney King, right, are, from left, Will Lyon, Luke Jones, Stanhope Frasier, Will Henry, Ian Stevenson, Briar Levins and Jamine LaClear.





# KEEP CONTROL

EDGE® gives you the freedom to be away from the farm while knowing you are only one touch or click away. Maintain complete control with EDGE®.



The EDGE® Controller quickly identifies issues and responds with self-diagnostics, triple layer protection and instant notifications. Revolutionize your operation with the next generation of controls.

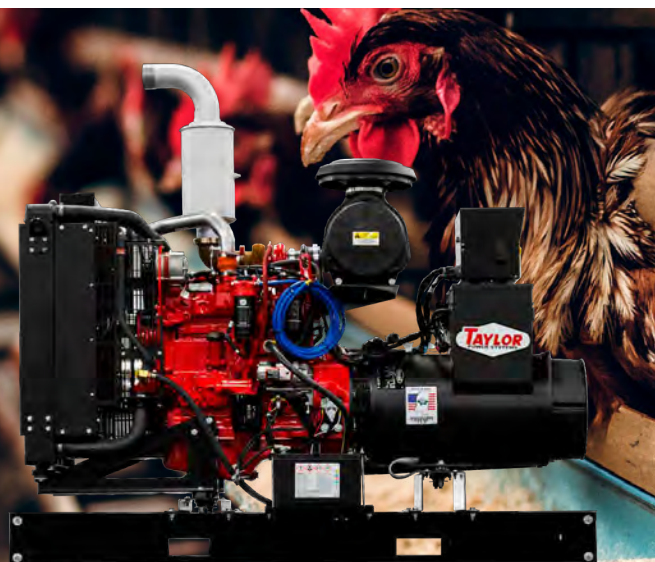
*Ready for your custom solution?  
Find your dealer and learn more at [cumberlandpoultry.com](http://cumberlandpoultry.com)*

**PROVEN & DEPENDABLE™**








## THE TAYLOR POWER ADVANTAGE



**LET US PROTECT WHAT'S MOST IMPORTANT TO YOU.**

When power fails, farmers can depend on our American Made agricultural generators.

CALL US TODAY!

[www.taylorpower.com](http://www.taylorpower.com) | (601) 922-4444 | Follow us:   

**Show your pride in the Alabama Poultry Industry and provide  
scholarships for outstanding poultry science students.**



**Order your tag today at your local probate office, or wherever you purchase your automobile tags.**



# ROSS DELIVERS

## ROSS 308/ROSS 308 AP

- Leading FCR
- Impressive Daily Gain
- Strong Livability

## ROSS 708

- Highest Yield
- Excellent Breeder Performance
- Exceptional Livability

A diverse male portfolio to meet any market requirement.

Visit [www.aviagen.com/Ross](http://www.aviagen.com/Ross) to learn how Ross® will deliver for you.



e





# Randall Ennis Awarded Distinguished Poultry Industry Career Award



**Poultry Science Association  
Distinguished Poultry Industry  
Career Award recipient  
Randall Ennis, World Poultry  
Foundation CEO**

**R**andall Ennis, chief executive officer of the World Poultry Foundation, has received the 2020 Poultry Science Association Distinguished Poultry Industry Career Award, sponsored by the U.S. Poultry & Egg Association, or USPOULTRY.

The Distinguished Poultry Industry Career Award recognizes distinctive, outstanding contributions by an industry leader. In addition to sponsoring the award, USPOULTRY also makes an annual contribution to the Poultry Science Association Foundation on behalf of the award recipient.

USPOULTRY Chairman Greg Hinton of Rose Acre Farms said the association is pleased to honor industry leaders as exemplified by Ennis.

“He is widely recognized for his many years of work and contribution to the poultry industry, ranging from production to primary breeding, as well as through his current role as chief executive officer of the World Poultry Foundation,” Hinton said.

“Randall has been a longtime supporter of USPOULTRY, with personal involvement in our seminar programs and the IPPE,” John Starkey, USPOULTRY president, said. “He has also contributed his time to our foundation’s College Student Career Program that supports the recruitment and training

of students and promotes careers in the poultry and egg industries.”

After obtaining a Bachelor of Science degree in poultry science from Auburn University in 1983, Ennis launched a career that has covered a variety of technical and managerial positions in the integrated and primary breeding sectors of the industry. In 2015, Ennis transitioned into the nonprofit sector, with a focus on poultry in developing countries. He has traveled to more than 75 countries over the span of his career.

Ennis has served on numerous boards, including the National Chicken Council, the Alabama Poultry and Egg Association (past president), the National Poultry Technology Center and the European Primary Breeders Council. His awards and honors include Outstanding Alumnus Award from Auburn University in 2014, Alabama Poultry and Egg Presidential Award in '15 and the Auburn University Alumni Service Award in 2017. He was honored as the commencement speaker for the Auburn University graduating class of 2018.

“Randall is much deserving of this distinguished award,” said Johnny Adams, AP&EA CEO. “His contributions have had a tremendous impact in the poultry industry, and we’re proud to have him here in Alabama and as a part of our team.” 🐔



## Are Your Valves and Hose Bibbs Restricting Your Water Capacity on the Farm?

Kelly Griggs<sup>1</sup>, Jeremiah Davis<sup>1</sup>, Jess Campbell<sup>1</sup>, Robert Bradford<sup>2</sup>, James Johnson<sup>2</sup>, and Oladiran Fasina<sup>2</sup>

<sup>1</sup>National Poultry Technology Center, <sup>2</sup>Department of Biosystems Engineering, Auburn University



**Figure 1:** The arrows highlight 15 valves used in this water manifold feeding a 40 x 500 commercial broiler house.

As we roll through the summer months, water capacity is always a concern with commercial broiler growers, as bird consumption and the evaporative cooling system tax the farm water supplies. As we repair or add on to our existing water supply systems, we don't think about the types of fixtures and valves we use. Many times, we choose replacement valves from what is available on the farm or what is cheapest from the supply store. Figure 1 shows the water panel of a 40 x 500 commercial broiler house, with arrows highlighting the 15 valves/hose bibbs visible. This manifold has 10 PVC and three brass ball valves, as well as two brass quarter-turn hose bibbs. Does it make a difference what type of valve you install?

We performed an experiment to evaluate how each of five 3/4-in valves/hose bibbs (Table 1) performed in a flow test. We chose these five examples as they represent common valves we see on the farm, they were readily available at our supply stores, and they illustrate factors we should consider when purchasing a valve.

Our test fixture consisted of a flow control valve, a pressure regulator, a water meter, a pressure gauge and the test valve (Figure 2). The pressure regulator was set to 40 pounds per square inch, or psi. Three replications of each valve/hose bibb were fastened to the test fixture with a union. Supply flow rate (gpm) was set in 2-gpm increments between 2 and 16 gpm with the flow-control valve.

**Table 1: Valve descriptions, measurements and flow rates.**

Valve	Description	Type	Material	Nominal Size (in)	Approx. Cost (\$)	Smallest Diameter (in) <sup>1</sup>	Cross-Sectional Area (in <sup>2</sup> )	Reduction in CSA (%) <sup>3</sup>	Output Flow Rate (gpm) <sup>4</sup>	Reduction in Flow Rate (%) <sup>5</sup>
1	PVC Ball Valve	Ball	PVC	¾	2.98	0.77	0.46	-7.4	15.0	-3.1
2	Brass Ball Valve	Ball	Brass	¾	14.48	0.73	0.42	-16.3	15.0	-3.1
3	Qtr Turn Hose Bibb	Ball	Brass	¾	14.99	0.39	0.12	-76.5	11.0	-28.9
4	Hose Bibb 1	Stop/Globe	Brass	¾	16.99	0.38	0.11	-77.6	10.7	-31.1
5	Hose Bibb 2	Stop/Globe	Brass	¾	9.99	0.31	0.08	-84.7	7.4	-52.3

<sup>1</sup>Smallest opening diameter in valve

<sup>2</sup>Smallest cross-sectional area (in<sup>2</sup>) in valve body.

<sup>3</sup> Reduction of cross-sectional area as a percentage of the inside diameter of ¾-in schedule 40 PVC (0.80-in)

<sup>4</sup>Output flow rate (gpm) for the max supply flow rate (15.5 gpm)

<sup>5</sup> Reduction in flow rate as a percentage of the max flow rate test for ¾-in schedule 40 PVC (15.5 gpm)

Figure 3 shows a side profile of each valve in Table 1. We cut a vertical cross section through each valve to show the internal components as well as to determine the smallest cross-sectional area the water must flow through. The smallest diameter in each valve is identified with an arrow. We also took a photo of the valve entrance for comparison of restrictions.

The black dashed line in Figure 4 shows equal output to input flow rate (gpm). The measured pressure drop is the pressure created due to restrictions in each valve. The more pressure we develop, the less water flow capacity we have for a given water supply. All valves were similar in flow between 2 and 4 gpm, with only hose bibb 2 developing pressure. Above 4 gpm, the valves become significantly different, with a spread of flow rates and pressure drops.

**The PVC and brass ball valves had similar output flow rates nearly matching input flow rates.** In Figure 3, the size of the ports in the PVC and stainless steel balls were close to the diameter of the ¾-in PVC pipe as seen from the cut-out sections. The PVC and brass ball valves had minimal reductions in cross-sectional area of 7.4% and 16.3%, respectively. **Both had a minimal loss in flow of 3.1%**



**Figure 2: The flow test figure—a flow control valve, pressure regulator, pressure gauge, calibration water meter, digital flow meter, pressure gauge and test valve. Each of the five valves was connected to the union at the end of the table for test. Here, we are testing a brass hose bibb with a supply of 4 gpm (arrow).**



# Virus Elimination. Condensation & Ice Removal. Turnkey Services. Sunbelt Rentals.



Sunbelt Rentals offers a wide range of poultry facility solutions including efficient condensation control and heat treatment solutions for virus elimination. We offer the newest fleet of chillers, industrial air conditioners, heaters, drying equipment, temporary power, blended systems and more. Designed to be self-contained, our equipment provides efficient, dependable performance with easy operation and mobility. In addition, we offer unmatched 24/7 emergency response, turnkey service and highly trained specialists with the knowledge and experience to respond quickly to all of your needs.

**24/7 EMERGENCY RESPONSE | 888-379-7454 | [SUNBELTRENTALS.COM](http://SUNBELTRENTALS.COM)**





at 16 gpm. The ball valves had the least restriction in the valves we considered, and they did not develop any pressure from internal restrictions across the range of supply flow rates. The PVC ball valve costs 80% less than the brass ball valve, but it is a single-use valve if you need to rearrange a pipe section, and, due to its construction, it gets harder to open and close over time when compared to the brass valve.

The quarter-turn hose bibb, though a ball valve, had similar flow rates to hose bibb 1 (moderate) and generated a pressure of 15.5 psi at 16 gpm supply. The small internal diameter of the quarter-turn valve reduced the CSA by 76.5%. We lose 28.9% of our flow through the quarter-turn hose bibb at 16 gpm. We have seen many versions of these quarter-turn bibbs in water manifolds and have examples with smaller internal diameters than those tested here.

Hose bibbs 1 and 2 were the most restricted in water flow rates of all the valves because they had the smallest cross-sectional areas. Hose bibb 2 leveled off below 8 gpm, a 52.3% loss in flow at 16 gpm. Hose bibb 2 was the cheapest brass bibb, and we often see it used for a variety of tasks on broiler farms — tap to fill buckets, supply water for the evaporative cooling system and to connect medicators. The bigger body of hose bibb 1 increased the flow by 3.3 gpm above hose bibb 2 at 16 gpm supply. We lose 31.1% of our flow through hose bibb 1 at 16 gpm. The corresponding pressures for both hose bibbs were highest for the group. Even though hose bibbs 1 and 2 had 3/4-in connections, the internal cavities are restricted as shown in the cross-section photos

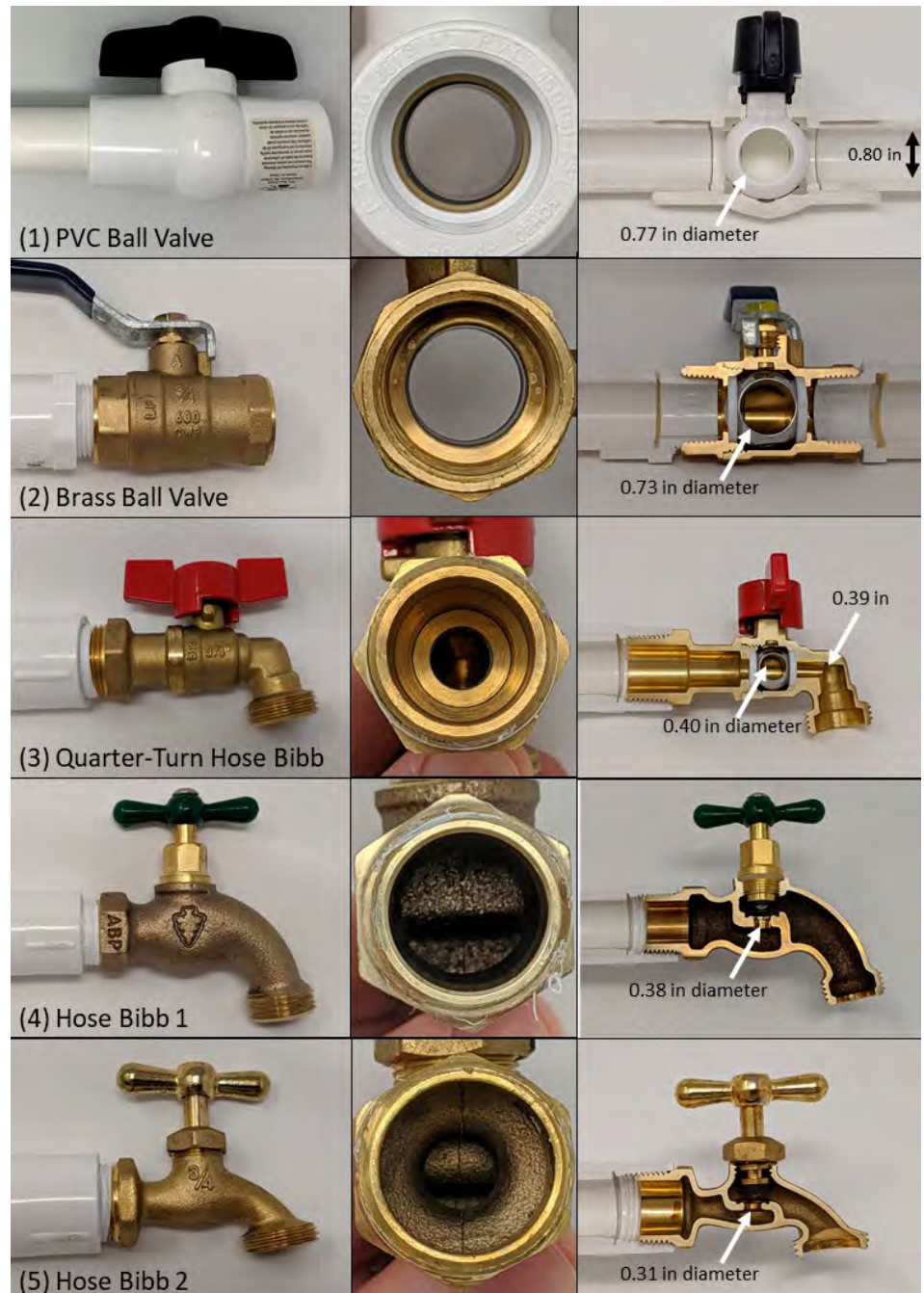


Figure 3: Side profile (left), end view (center) and internal cutaway of each valve tested.

and in viewing the end of the valve (Figure 3).

On several occasions while purchasing valves in the supply store, we would pull a valve from the bin, and it would be the same brand and look very similar to what we had, but on further inspection during the test, the internal cross-sectional area and the measured flow

rate would be different. Two valves can have the same handles, but the valve bodies can be very different. If you visually see a large restriction at either end of the valve/hose bibb, you can expect to also see a reduction in output flow rate.

**Bottom Line:** Just because a valve fits does not mean that it is the right one for the job. If you think





# FARMING FEEDS ALABAMA PHOTO CONTEST



The Alabama Farmers Federation is searching for a bumper crop of snapshots depicting the state's No. 1 industry – agriculture – through the Farming Feeds Alabama Photo Contest.

## CATEGORIES

**FARM LIFE** Family time, generational, working, playing, pets, children, machinery, equipment, farm challenges

**CROPS** Any stage from planting to harvest for all crops grown in Alabama, including fruits, vegetables, hay and large-scale row crops

**ANIMAL AGRICULTURE** Cattle, poultry, catfish, goats, sheep and equine



## PRIZES

**\$150**

**1ST PLACE**  
each category

**\$100**

**2ND PLACE**  
each category

**\$50**

**3RD PLACE**  
each category

**THE PEOPLE'S CHOICE AWARD** **\$150**  
voted on through Facebook in November



Winners will be recognized during the Alabama Farmers Federation's 99th annual meeting and in Neighbors magazine.

## RULES

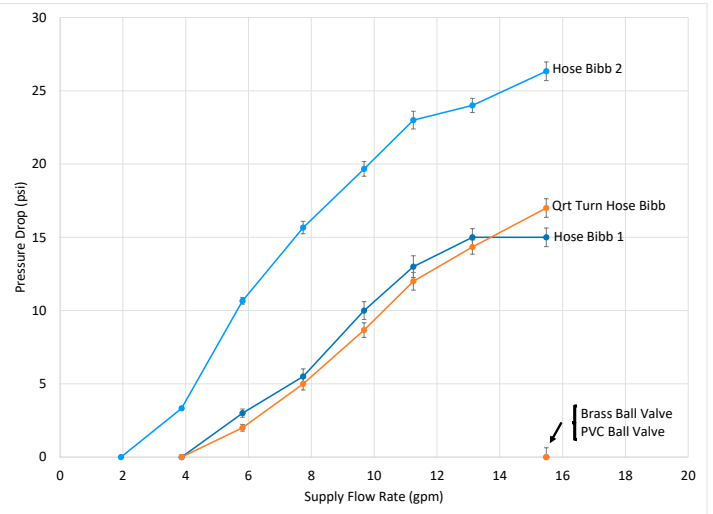
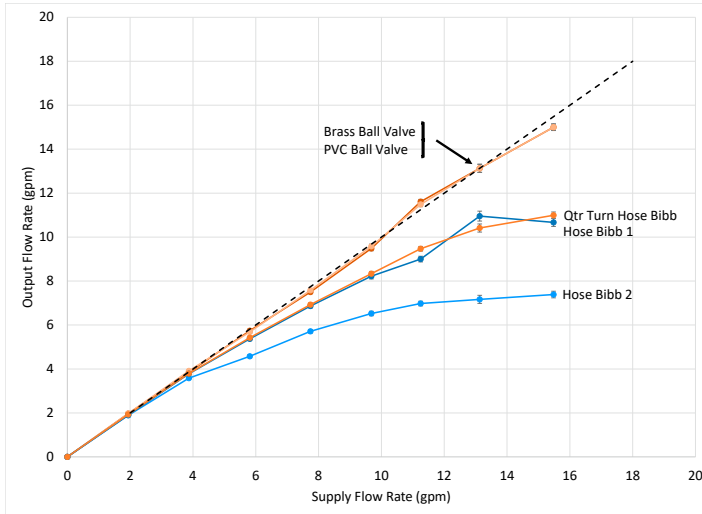
- Photos must have been taken in Alabama in 2020 and must be original, unpublished content.
- Each photographer may enter one photo in each category.
- Minor adjustments are accepted. Photos may be color or black and white.
- Photos with embedded text or logos or watermarks will not be accepted.
- Photos taken with cameras and smartphones are acceptable, as long as quality and resolution are not affected.
- Photos must comply with safe farm practices. Photos exhibiting unsafe behavior will be eliminated.
- Alabama Farmers Federation staff and their immediate families are ineligible.
- All entries could be used by the Alabama Farmers Federation for promotional materials.
- More terms and conditions available at [AlfaFarmers.org/PhotoContest](http://AlfaFarmers.org/PhotoContest).

Submit entries June 1-Nov. 15 at [AlfaFarmers.org/PhotoContest](http://AlfaFarmers.org/PhotoContest).





Figure 4: Output flow rate (gpm) and pressure drop (psi) for each valve/hose bibb as a function of supply flow rate (gpm). For demonstration purposes only. Not for construction or design standards.



you have a water shortage to birds or evaporative pads on the farm, make sure you consider the water valve as a possible restriction. In some cases, the plumbing supply may be adequate, but the valve is causing a restriction. **Hose bibbs should not be used inline with further plumbing, as the restriction can negatively**

**affect everything downstream during periods of high water demand. Ball valves should be used anywhere you expect more plumbing downstream, as they minimize restrictions to flow.** The next time you are shopping for a water valve, shop with performance in mind and not just the size of the pipe fitting alone. 🐔

## REDUCE REPAIR & MAINTENANCE COSTS

with GrowerSELECT Feed Systems

### Direct Drive Auger Motors

- 1 HP and 1-1/2 HP have keyway and flat on shafts making them completely compatible with all existing feed systems. Smaller HP motors are flat shaft only.
- Permanently lubricated ball bearings for maintenance free long mechanical life.



Item #	Description	Chore-time®	AP®	WAS	SALE
HS9020A	1/3 Hp, 1725 RPM, 1/2" shaft	4229	FLX-5249	\$155.28	\$139.75
HS9021C	1/2 Hp, 1725 RPM, 5/8" shaft	5050C	FLX-5250	\$178.69	\$160.82
HS9022A	3/4 Hp, 1725 RPM, 1/2" shaft	5051	FLX-4765	\$186.06	\$167.45
HS9023C	1 Hp, 1725 RPM, 5/8" shaft	6857	FLX-5252	\$214.37	\$192.93
HS9024A	1-1/2 Hp, 1725 RPM, 5/8" shaft	8782C	FLX-5253	\$247.18	\$222.46



### 1 YEAR WARRANTY

### Farm Duty Direct Drive Auger Motors



Item#	Hp	RPM	Voltage	Frame	Hz	WAS	SALE
#N9021	1/2	1725	115/230	56Y	50/60	\$155.00	\$139.50
#N9022	3/4	1725	115/230	56YZ	50/60	\$169.00	\$152.10
#N9023	1	1725	115/208-230	56Y	60	\$175.00	\$157.50

## 10% OFF FAN MOTORS

### GrowerSELECT Single Speed Fan Motors

- TEAO Motors
- Permanently lubricated ball bearing
- Dual start/run capacitors
- 5/8" shaft
- Auto overload



Item#	RPM	Hp	Frame	Voltage	Use	Was Price	SALE
#HS9011	1100	1/3	56	115/230	Belt Drive, 48"-50"	\$135.46	\$121.91
#HS9012	1725	1/3	56	115/230	Belt Drive, 48"-50"	\$115.84	\$104.26
#HS9013	1725	1/2	48	115/230	Belt Drive, 36"	\$206.98	\$186.28
#HS9018	850	1/2	56	115/208-230	Belt Drive, 36"	\$180.34	\$162.31
#HS9005A	850	1/2	48	115/230	Direct Drive, 36"	\$162.77	\$146.49
#HS9034	850	1/2	48Y	115/230	Direct Drive, 36"	\$141.11	\$128.16
#HS9015A	1725	1/2	56	115/208-230	Belt Drive, 36"	\$183.92	\$165.53
#HS9015	1725	1/2	56	115/208-230	V-Belt Drive, 36"	\$180.00	\$162.00
#HS9080	1725	1-1/2	56	115/208-230	Belt Drive, 54"	\$203.22	\$184.55

\*While supplies last

## SAVE UP TO 20%!

Item#	RPM	Hp	Frame	Voltage	Use	Was Price	SALE
#HS9010	1725	1	56	115/208-230	Belt Drive, 48"-50"	\$169.70	\$127.00*
#HS9010A	1725	1	56	115/208-230	Belt Drive, 48"-50"	\$169.70	\$135.76
#HS9000	1725	1	56	115/208-230	Belt Drive, 48"-50"	\$234.39	\$183.60
#N9000	1725	1	56	115/208-230	Belt Drive, 48"-50"	\$234.39	\$183.60
#HS9019	1725	1-1/2	56	115/208-230	Belt Drive, 52"-54"	\$197.16	\$157.38
#HS9019A	1725	1-1/2	56	115/208-230	Belt Drive, 52"-54"	\$196.72	\$157.38
#HS9014C	1725	1-1/2	56	115/208-230	Belt Drive, 52"-54"	\$241.46	\$193.17



Chancellor, AL .....855-513-9919  
 Holly Pond, AL .....855-675-0505  
 Ider, AL .....888-394-7458  
 Petrey, AL .....334-335-2294  
 Spruce Pine, AL .....256-331-2817

www.gapoultry.com

Pricing valid through 8/31/2020

©2020 Hog Slat, Inc. All rights reserved.



## Litter Management

lit·ter / man·age·ment

1. Method of creating **optimal welfare conditions** for poultry through an understanding of litter dynamics from air quality to bacterial management.
2. Multi-dimensional problem-solving that leverages ammonia control, pH reduction, proper decaking, ventilation, safety and more to **enhance bird performance**
3. Defined by Jones-Hamilton Co. over the course of 25 years through the manufacture of PLT® - Poultry Litter Treatment, and the development of best management practices.
  - a. A continuous refinement of BMPs led to the development of **Precision Litter Management**, a program for maximizing performance potential and minimizing environmental challenges.

25 YEARS OF PLT®



# We Defined Litter Management



JonesHamiltonAg.com



## Advertising Index

Alabama Farm Credit	pg.	5
Aviagen	pg.	21
Boehringer Ingelheim	pg.	2
Cumberland	pg.	19
Diversified	pg.	15
Ecodrum	pg.	14
FFB Ag Finance	pg.	30
First South Farm Credit	pg.	9
Georgia Poultry	pg.	28
Jones-Hamilton PLT	pg.	29
Live Oak Bank	pg.	13
Randy Jones & Associates	pg.	32
River Valley Ingredients	pg.	31
Sunbelt Rentals	pg.	25
Taylor Power Systems	pg.	20

## EVENT UPDATES

Evening of Fun **CANCELED**  
Sept. 5 (BJCC/Birmingham, AL)

Poultry Industry Workshop **PROCEEDING**  
Date Sept. 29-30 (Auburn, AL)

All county and area poultry meetings have been postponed until further notice.



**Our local loan officers will work with you one-on-one to finance your poultry operation. You won't talk to dozens of people, just one experienced loan officer who'll guide you every step of the way.**



**Greg Graham**  
**John Word**  
2201-G Gault Ave.  
Fort Payne, AL 35967  
Fortpayne.ag@ffb1.com  
(256) 845-4270

**Beth Gardner**  
1247 Rucker Blvd., Ste B  
Enterprise, AL 36330  
Enterprise.ag@ffb1.com  
(334) 347-9944

 [www.ffb1.com](http://www.ffb1.com)







## FARM MORTALITY

*The most convenient and environmentally friendly method of poultry mortality disposal.*



**Congratulations to Karen and Mike Hill, Hillcrest Farm, of Holly Pond, on being named 2019 Alabama Poultry Farm Family of the Year. The Hills have been using our freezers since starting the farm in 2014.**

For more information and details, contact Randall Smith

**256 - 970 - 6100**





It's great how farming  
brings people together.

Your farm or ranch is a business the community can be proud of. As a member of the same community, partnering with the #1 farm insurer\* that has over 100 years of experience in protecting agriculture, we're proud of you too.

**More than just insurance.**

We offer top of the line protection for your farm operation, with flexible coverages and exceptional claims, underwriting and risk management services.

**We offer Nationwide farm and ranch insurance and would welcome the chance to discuss it with you.**



**Randy Jones & Assoc Inc**  
**Randy Jones**  
(256) 878-3271  
jonesr8@nationwide.com



\*2015 SNL Financial Report. Based on statutory data.

Products underwritten by Nationwide Agribusiness Insurance Company, Farmland Mutual Insurance Company, Allied Property and Casualty Insurance Company and AMCO Insurance Company. Home Office: 1100 Locust Street Des Moines, IA 50391. Subject to underwriting guidelines, review and approval. Products and discounts not available to all persons in all states. Nationwide and the Nationwide N and Eagle are service marks of Nationwide Mutual Insurance Company. © 2018 Nationwide GPO-0292AO (06/16) 8595903