

Poultry industry responds after virus detected in Kentucky

Although the state's poultry industry has dealt with a low strain of bird flu before, a highly contagious and deadly avian influenza has made its way into flocks from three Kentucky counties and has officials sounding alarms, enacting a collaborative system to prevent its spread. They are on high alert with heightened biosecurity measures, warning farmers and backyard flock owners to prevent contact with wild birds and to quickly report any sickness or unusual deaths to the USDA.

"Poultry is completely safe to consume, and I think one of the things to assure people — this is not something we're flying by the seat of our pants on," Dr. Tony Pescatore says. "There's a USDA-approved state plan on how to react to it."

Like many others, the associate department chair for University of Kentucky's Department of Animal and Food Sciences has been in overdrive since the discovery of a lethal strain of avian influenza was detected in three different poultry flocks in Kentucky.

Pescatore has been working with county Extension agents, bringing them up to speed on the latest developments, which include the infection of a broiler chicken flock of Tyson Foods' in Fulton County, and in a commercial turkey flock in Webster County.

And during the late afternoon of Friday, Feb. 18, the strain was also detected in waterfowl in Ballard County; two sick snow geese collected at Ballard Wildlife Management Area tested positive.

Dr. Katie Flynn, the state veterinarian with Kentucky Department of Agriculture (KDA), says the state dealt with a low pathogenic strain of this virus in 2017. "So our industry has some experience with this avian influenza," she says.

But this is a highly pathogenic avian influenza, or HPAI, and other states have already been dealing with

SEE **POULTRY**, PAGE 7



Photo by Sharon Burton

Andy Koenig, of Louisville, visits with students from the University of Kentucky at a booth displaying the devastating destruction caused by tornadoes that hit Kentucky on Dec. 10. The Department of Biosystems and Agricultural Engineering booth space was redesigned this year to focus on the tornadic event and the response. Visitors were also given information on ways to help storm victims.

Farm show exhibit leads visitors from tornadic event to ways to offer help

LOUISVILLE – Natural disasters are often followed by a stream of people flocking to the disastrous area who want to see the damage and hope to find ways to help victims.

The University of Kentucky Department of Biosystems and Agricultural Engineering brought a small view of the destruction of the deadly Dec. 10 tornadoes to Louisville for visitors during the four-day National Farm Machinery Show. The main goal, however, was to give attendees the opportunity to lend a helping hand.

Matt Dixon, UK agricultural meteorologist, came up with the idea of converting the department's traditional space at the show into an educational display about the tornado outbreak and how people responded. The goal came from Dixon's experience of seeing the aftermath first-hand the day after the storms.

"That was two months ago," Dixon said. "These people are going to need help for a long time."

SEE **FARM SHOW**, PAGE 2



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INSIDE

EDITORIAL	4	MARKET REPORT	22
OPINION	5	CLASSIFIEDS	23

Farm show exhibit focuses on tornadoes, aftermath

FROM PAGE 1

The display caught the eye of attendees with a damaged truck on display, but there was plenty of information to help people understand how storms like this happen and even how to build a safe room in your home.

There was also information for visitors who want to donate, something Dixon said needs to continue long after the storms are no longer making the news cycle.

“It’s jaw dropping. It’s gut wrenching,” Dixon said about seeing the destruction left by the deadliest tornado outbreak every recorded. An EF4 tornado moved through western Kentucky, completely destroying some towns and causing catastrophic damage for miles.

“An EF4 tornado, that can be rated as high as EF5 – I been telling everybody this is an extremely rare event, especially when you think about that it happened in early December,” Dixon said. Winds were recorded up to 170 mph and vehicles were tossed 200 to 400 yards, he noted.

At least four tornadoes ripped through Kentucky during the night of Dec. 10 and early morning hours of Dec. 11, killing 77 people in nine counties.

The tornado destroyed UK’s Research and Education facility and the Grain and Forage Center of Excellence in Princeton, which recently underwent a major renovation and expansion.

“We have insurance. We will rebuild. There is talk of another ribbon cutting in 2025, hopefully,” Dixon said. “It’s those folks in the surrounding community, in Dawson Springs, Mayfield, that we want to help.”

Because the devastation spread widely through communities, with town centers in Mayfield and Dawson Springs taking direct hits, even temporary housing remains an issue for vic-

tims, Dixon said.

“I know a lot of people living with family members and it’s going to take a while to rebuild. There’s no doubt about it, It’s a terrible situation. We are doing what we can.”

The National Farm Machinery Show was the perfect spot to promote ways to help, Dixon said.

“It’s farmers helping farmers.”

Preserving the story for the future

Dixon and Karin Pekarchik, UK senior extension associate, spearheaded the project and Pekarchik focused on working with the UK Louie B. Nunn Center for Oral History to record and archive an oral history of the tornadic event.

Recordings took place during the farm show, and Pekarchik said they first focused on people who had professional roles during the response to the storms, including first responders and public officials.

“We have probably 25 people we are interviewing or have interviewed, from Ryan Quarles, Dean Nancy Cox and others, and we are talking about what the response was and, I think the big question, what can we as an institution share with other organizations who might be thinking about their emergency preparedness,” she said.

Pekarchik said they are not asking people who experienced devastation to revisit the trauma they experienced during a time they may feel raw and emotional, but individuals willing to share their story may do so by contacting the Nunn Center’s Telestory Archive Hotline at 833-859-7272.

Donations were not taken at the farm show exhibit but visitors were given information to go online to support various efforts. Links can be found above.

By Sharon Burton
snburton@farmlandpub.com







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Bill would give farmers right to repair their own equipment

President Biden issued an executive order last year supporting Americans' right to repair items themselves instead of having to pay for time-consuming, expensive repairs from the manufacturer. "Now, Sen. Jon Tester, D-Mont., wants legislative action to address the situation. His [Agriculture Right to Repair Act](#) will guarantee farmers the right to repair their own equipment and end current restrictions on the repair market," Jacqui Fatka reports for FarmProgress.

"I've been a farmer my whole life, and I've seen the unfair practices of equipment manufacturers make it harder and harder for folks to work on their tractors themselves—forcing them to go to an authorized mechanic and pay an arm and a leg for necessary repairs," Tester said in a statement. "Manufacturers have prevented producers from

fixing their own machines in order to bolster corporate profits, and they've done it at the expense of family farmers and ranchers, who work hard every day to harvest the food that feeds families across the country."

Several farm groups have spoken up in support of the bill, including the National Farmers Union. A spokesperson for the Association of Equipment Manufacturers said the bill is a "solution in search of a problem," Fatka reports. Since Biden's order, the Federal Trade Commission has increased enforcement against illegal repair restrictions, and many large firms have changed their policies to make it easier for consumers to repair their own electronics, but no law enshrines such a right.

According to Tester's press release,

the bill would require equipment manufacturers to:

Make available any documentation, part, software, or tool required to diagnose, maintain, or repair their equipment.

Provide means to disable and re-enable an electronic security lock or other security-related function to effect diagnostics, repair, or maintenance.

Permit third party software to provide interoperability with other parts/tools, and to protect both the farmer's data and equipment from hackers.

Ensure that when a manufacturer no longer produces documentation, parts, software, or tools for its equipment that

the relevant copyrights and patents are placed in the public domain.

Ensure parts are replaceable using commonly available tools without causing damage to the equipment, or provide specialized tools to owners or independent providers on fair and reasonable terms.

Return data ownership to farmers. Manufacturers currently collect and sell all the data generated by farmers, and this data is the farmers' "secret sauce" for how they conduct their business.

The bill also gives the FTC the authority to treat any violations of those provisions as an unfair or deceptive act, Fatka reports.

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Getting back to life



ONE VOICE

Sharon
Burton
Publisher

I wasn't sure if I looked forward or dreaded the National Farm Machinery Show this year but I am so glad I attended.

It wasn't a typical year by any means. The day crowd was much smaller than usual, and that is to be expected. Even so, I was able to visit with some of our friends and make a few new ones.

I think Americans have decided that we can't hide from a virus, so we much figure out how to balance life and safety. It may be somewhat ironic that Covid-19 was making its way through my family and my employees at the same time we were planning to attend our largest function of the year.

A lot of people who typically attend the show didn't do that this year. That actually worked out and made me feel like it was safer. If the West Wing was its usual shoulder to shoulder crowd, I probably would have skipped my visit to that wing. Instead, there was plenty of opportunity to social distance.

I'm not sure how other exhibitors feel about the event, but I tend to consider quality over quantity for a show that draws thousands of people who are not interested in a Kentucky newspaper. We had great conversations with our friends. There are people I usually get to see at the show that I didn't get to see this time, but I think we are back on track and I am very hopeful that can happen next year.

Who knows what the remainder of 2022 has in store. I certainly could not have predicted the events of 2020 and 2021. We've got inflation to deal with but also expectations of record prices for farmers. Then there is Russia, the great question of the moment. We still have supply issues, and we still have employment issues. Throw in the mix a pandemic, and I have no idea what to expect.

Attending the National Farm Machinery Show was a bright spot for me, however, and I came away with the sense that, "everything will work out."

I hope that I am right about that. I'm not making light of the losses we have had, because we have had devastating loss of life due to Covid-19.

But we are resilient. That's what I keep seeing over and over again. We are waiting for the opportunity to move forward. That's the direction we are taking, sometimes in small steps and sometimes in big steps, but we are getting back to life.

Let's keep moving forward!

I was no longer needed as a van mom, and I had been a van mom for a very long time.

Preparation is key in upcoming season

I would like to say I'm optimistic about this growing season, but like so many of you I am concerned with how supply chain issues and inflation will impact the bottom line this season. From price increases on chemicals and fertilizer and the struggle with labor and wages, I believe we will have another challenging season ahead of us as growers.

As you begin planning, remember that Altria and Reynolds - the two main tobacco buyers - are requiring all contract growers to participate in GAP certification this growing season.

The Council for Burley Tobacco is a member of GAP Connections and our board representatives provide a voice for the grower at GAP meetings as they work to improve the process and experience for tobacco producers. GAP training gives growers the opportunity to meet contract requirements, while providing them with the most up to date information on crop, environmental, and labor management best practices.

I encourage growers to take advantage of the GAP Connections training sessions in Kentucky for the upcoming season:

- Monday, Mar 7, 2022 at 10:00 am EST in Lexington
- Monday, Mar 7, 2022 at 6:00 pm EST in Lancaster
- Wednesday, Mar 9, 2022 at 6:00 pm EST in Cynthiana
- Monday, Mar 14, 2022 at 2:00 pm CST in Hopkinsville
- Monday, Mar 14, 2022 at 7:00 pm CST in Hopkinsville
- Tuesday, Mar 15, 2022 at 9:00 am CST in Hopkinsville
- Tuesday, Mar 15, 2022 at 1:00 pm CST in Hopkinsville
- Tuesday, Mar 15, 2022 at 6:00 pm CST in in Cadiz
- Wednesday, Mar 16, 2022 at 1:00 pm CST in Russellville
- Thursday, Mar 17, 2022 at 1:00 pm CST in Murray
- Monday, Mar 28, 2022 at 6:30 pm CST in Glasgow
- Tuesday, Mar 29, 2022 at 5:00 pm CST in Hardinsburg
- Wednesday, Mar 30, 2022 at 10:00 am CST in Hardinsburg

The Council board members continue to work daily to engage with tobacco company leaders to highlight issues at the producer level, to work with our legislators on key policy issues impacting growers, and to build networks in the industry to strengthen our voice on all issues.

I encourage all growers to visit the website at www.councilforburleytobacco.com and update your membership; also, follow us on Facebook at www.facebook.com/CouncilForBurleyTobacco to get up-to-date information on all burley issues.



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I encourage growers to take advantage of the GAP Connections training sessions in Kentucky for the upcoming season

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THE FARMER'S PRIDE

Corn exports set marketing year high



MARKET WATCH

Dewey Strickler

Normally, at this time of the year, the discussion is on spring weather, planting intentions, and who gets the lions share of acres, corn, or soybeans. However, little has been said about this, so far, as the focus remains on the production shortfall in South America, and the situation between Russia and Ukraine. Eventually, these concerns will pass. In the meantime, 57 percent of Brazil's safrinha's corn crop is planted, and recent isolated showers should help with development. Export inspections were solid last week with inspections of 57.2 million bushels, which was above the average needed to reach USDA's projection of 2.425 billion bushels. After a downtick in shipments to China last week, they rose this week, and were the highest of the season.

Soybeans remain the shining star of the grains. This is where most of the fund interest lies. Currently, they hold their largest long position in nearly a year. The production shortfall in South America continues to capture bullish interest of traders. Recently, Conab lowered their soybean crop estimate in Brazil to 125.4 million tons. This was slightly below the lowest trade guess of the WASDE report of 126.5 million tons. However, be aware that these estimates are likely already baked into values. In other matters, export inspections last week were below the previous week at 42.2 MB. China took 18.6 million bushels, or 44 percent of shipments. The pace of shipments to them continues to decline and is down 59 percent from early November.

Wheat continues to flow with developments between Russia and Ukraine. Prices rise or fall depending upon the rhetoric and level of tension. Meanwhile, export inspections were a nonevent last week at 15.9 million bushels. They must average 18.5 million bushels each week to reach USDA's target of 810 million bushels. Right now, they are on track for 755 million bushels.

DEWEY STRICKLER is president of Ag Watch Market Advisors, LLC. Email Strickler at agwatchdls@comcast.net or go online at www.agwatch.biz.

Big Ethanol sees electric cars as a market maker, not a market taker

One of modern agriculture's most beloved offspring, ethanol, received a sharp reprimand Feb. 13 from Iowa's largest newspaper, The Des Moines Register.

In an editorial titled "Ethanol has been a boon for Iowa's economy. But it's time to pivot and figure out what's next," The Register chided Iowa Republicans and Democrats alike for supporting ethanol-pushing programs when everyone in the Hawkeye State "would be better served to figure out what comes after ethanol."

It wasn't ethanol's only public slap in the past month or even the past week.

Two days before, Christopher S. Jones, a widely published research engineer at the University of Iowa, lit up Twitter with a blog post titled "Iowa is Addicted to Cornography," an essay that, in part, compared the energy supplied from an acre of Iowa corn grown for ethanol to that of an acre of solar panels making electricity.

"There are about 75,000 BTU in a gallon of ethanol," Jones explained, and "it takes about 35,000 BTU to grow the corn and produce the ethanol..." That means, on average, an acre of Iowa corn will "produce about 500 gallons of ethanol" with a "net energy gain [of] about 20 million BTU per acre."

That sounds big, noted Jones, until you add in corn/ethanol's unaccounted costs: "...soil erosion, nutrient pollution, degraded streams, lakes and drinking water, habitat loss" and farm program subsidies "that keep the herniated system from blowing out."

By contrast, one acre of solar panels in Iowa "produce 34 times the amount of usable energy as an acre of [corn-made] ethanol... Not twice as much... not 10 times as much. Thirty-four times as much."

Case closed, right?

Not so fast, says the Union of Concerned Scientists (UCS), a non-profit science advocacy agency in Cambridge, MA, known more for its strong endorsement of wind and solar rather than any love of ethanol.

However, in an interview for an episode of the podcast "Corn Save America," Jeremy Martin, the director of fuels policy at UCS, suggests ethanol and other "biofuels" may claim a larger share of the fast-shrinking "liquid fuels pie" as electric cars rise to dominate the roads.

For example, farm and commodity groups are lobbying for an updated Renewable Fuels Standard that mandates a 15 percent ethanol-to-gasoline blend, one and a half times more than today's 10 percent blend. If the lobbying succeeds, Martin figures the 15 percent requirement would hit just as gasoline sales start to plunge, say 2035, due to fast adoption of EVs, or electric vehicles.

"If those two things happen in parallel," he tells podcast host Sarah Mock, "...they perfectly cancel each other out." In short, "We can go to electricity as fast as possible... and still maintain the corn/ethanol program."

And, he adds, "If we sell no more gasoline-powered cars by 2035, we could see total liquid fuel sales used for transportation fall by 85 percent." If most of that remaining market is claimed by biofuels, "Then there's a huge opportunity to expand corn and other feedstock biofuels."

Thus Big Ag's big rush to lock in higher, at-the-pump ethanol blends at state and federal levels: they see EVs as a market maker for biofuels, not a market taker. As such, the biggest fight over future biofuel policy won't be between corn farmers and solar advocates; it'll be between Big Ag and Big Oil, two of the oldest, deep-pocketed titans of Capitol Hill lobbying.

That also means the steep environmental costs of biofuel production will likely get buried in the higher-blend fight and the current CO2 pipeline craze.

That would be a mistake. Ever-emerging evidence—like the just-published "Environmental Outcomes of the US Renewable Fuel Standards," (link at farmandfoodfile.com)—shows ethanol's cost, when fully tabulated, is substantially more than previously calculated.

Which brings us back to The Register's and Jones' original worries: Ethanol's environmental price is already steep. So steep, in fact, that everyone would be "better served to figure out what comes after ethanol."



FOOD & FARM FILE

Alan Guebert

That also means the steep environmental costs of biofuel production will likely get buried in the higher-blend fight and the current CO2 pipeline craze.

ALAN GUEBERT

publishes a weekly column Farm and Food File through the U.S. and Canada. Past columns, events and contact information are posted at farmandfoodfile.com. Contact Alan Guebert by email at agcomm@farmandfoodfile.com.

Farming, fishing business tax deadline approaching

The Internal Revenue Service today reminded those with income from a farming or fishing business they should file and pay their entire tax due on or before Tuesday, March 1, if they did not make estimated tax payments.

Taxpayers can pay from their bank account using their [Online Account](#) or they can schedule payments in advance using [IRS Direct Pay](#).

"The IRS encourages farmers and fishers to file their returns and pay their tax by the due date to avoid penalty and interest," said IRS spokesperson Stacy Engle. "Pay in full as soon as possible to minimize additional charges."

Farmers and fishers who decided to forgo making estimated tax payments have the option to pay the entire tax due on or before March 1. Normally, this special rule applies when income from farming or fishing made up at least 2/3 of the total gross income in either the current or the preceding tax year. Those opting to file by the regular April 18 deadline should have made an estimated tax payment by January 15 to avoid an estimated tax penalty. For more information on estimated tax, see [Publication 505, Tax Withholding and Estimated Tax](#).

Those in the farming business report income and expenses on [Schedule F \(Form 1040\), Profit or Loss From Farming](#). Additionally, they use [Schedule SE \(Form 1040\), Self-Employment Tax](#) to figure self-employment tax if their net earnings from farming are \$400 or more. For more information refer to [Topic No. 554, Publication 225, Farmer's Tax Guide](#) and [Agriculture Tax Center](#).

Those in the fishing business report income and

expenses on [Schedule C \(Form 1040\), Profit or Loss From Business \(Sole Proprietorship\)](#). They also use [Schedule SE \(Form 1040\)](#) to figure self-employment tax if their net earnings from fishing are \$400 or more. For general information about the rules applying to individuals, including commercial fishermen who file Schedule C, refer to [Publication 334, Tax Guide for Small Business](#).

Those whose trade or business is a partnership or corporation see [Publication 541, Partnerships or Publication 542, Corporations](#).

Paying online is safe, fast and easy. [Online account](#) allows individuals to make same-day payments from a checking or savings account. Taxpayers can view up to 5 years of their payment history, any pending or scheduled payments, balance and payment plan information, and digital copies of certain notices from the IRS. They can also view their Adjusted Gross Income from their most recent tax return, their Economic Impact Payment amounts, and their advance Child Tax Credit payment information.

Taxpayers can use [IRS Direct Pay](#) to schedule a payment from their bank account for their tax

deadline with no registration or login required. Those who want to pay business taxes should enroll in and use the Electronic Federal Tax Payment System ([EFTPS](#)).

For more information about these and other payment options visit [IRS.gov/payments](https://www.irs.gov/payments).

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Poultry industry responds after virus detected

FROM PAGE 1

it. A few weeks back, 29,000 turkeys were destroyed in Dubois County, Indiana, after it was detected. HPAI was also detected in a backyard flock of mixed species in Fauquier County, Virginia.

HPAI is deadly for domesticated chickens and turkeys, and spreads rapidly.

Flynn says to the best of her department's knowledge, this is the first time HPAI has been detected in the state, although some of the staff have worked with cases of it elsewhere.

"State officials quarantine the affected premises, and birds on those premises will not enter the food system," Flynn says.

Kentucky First and Wildlife is also working with the USDA Wildlife Services on surveillance efforts, monitoring for illness and deaths in waterfowl.

Both Flynn and Coffee say these detections do not present an immediate public health concern.

"It's important for consumers to know that no human cases of these avian influenza viruses have been detected in the United States," Flynn says. But as a reminder, she offers that proper handling and cooking of poultry and eggs is imperative — cooking

poultry to an internal temperature of 165 degrees kills bacteria and viruses.

And where waterfowl are concerned, hunters are cautioned not to handle wild birds that are sick or found dead, and to follow handling precautions, such as wearing gloves and washing hands thoroughly after handling. Any equipment that's come into contact with dead birds should be disinfected, and the bird's remains should be double-bagged.

The public can report any sick or dead wild birds — waterfowl, wild turkeys, birds of prey, etc. — directly to Fish and Wildlife at fw.ky.gov.

Since Feb. 18's detection of more infections, Transportation Secretary Jim Gray has signed an official order to temporarily suspend restrictions on commercial drivers who are hauling wood chips for composting chickens. The restriction is lifted for carriers hauling into western and southern Kentucky, and relieves them of maximum driving time restrictions and weigh station stops, if they are transporting composting materials to affected areas.

As the state vet, Flynn's office is charged with protecting the health and welfare of livestock and poultry. And to do this, she says they have been working closely with the USDA on a

joint incident response to contain the virus. They've created a management team, including members of the poultry industry and counterparts with the Tennessee Department of Ag to help increase monitoring and surveillance of the virus near the border, she says, where Fulton is located.

"We have also started the process of going door to door to inform folks with backyard flocks that this virus has been identified, and make them aware of the signs," Flynn says, and sampling any sick birds they have.

Right now, there is a 10-kilometer radius around the infection sites set up, which is just over six miles. "We are using that to determine increased surveillance and testing, but we will adjust that radius as needed. We've given guidance to poultry stakeholders statewide, even those outside of the affected counties, that keeping their birds inside for at least the next 30 days is the best way to keep their flocks safe and contain the virus."

The origin of the infection is unknown.

"We know migratory waterfowl can carry the virus, but we don't know exactly where this virus came from," she says.

Transportation restrictions lifted on commercial drivers delivering to poultry farmers

Kentucky Transportation Secretary Jim Gray has signed an official order to temporarily suspend certain restrictions on motor carriers delivering wood chips for composting chickens in western and southern Kentucky.

It's part of an effort to combat an outbreak of avian flu by depopulating a large number of birds.

"Our Cabinet is ready to help ensure that poultry farmers can obtain the necessary composting materials as quickly as possible," Secretary Gray said.

The order is effective through 12:01 a.m. EST on March 18. It temporarily relieves commercial drivers from maximum driving times and weigh station stops if they are transporting composting materials to affected areas.

To ensure the safety of the traveling public, carriers must comply with safety requirements and have a copy of the order in the truck cab if operating under the authority of the official order.

SEE POULTRY, PAGE 9



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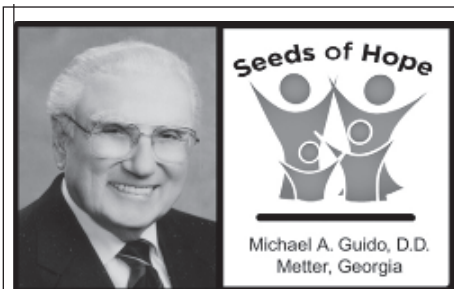
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To Think or Not To Think

Someone said that there are two types of people: those who stop to think or those who stop thinking. If someone stops thinking, life will go on without them. On the other hand, it is important for those who do think to think about things that matter.

There is a good example of this principle in Psalm 119:59: "I have considered my ways and have turned my steps to Your statutes." What we spend our time thinking about matters more than anything else in our lives. It is our thinking that enables us to discern right from wrong, good from bad, what is helpful from what is hurtful. And the list goes on. Thinking leads to choices, and our choices determine our destiny. In fact, that's what the Psalmist wrote about: "When I stopped to consider what I was doing and where I was going, it led me to change my course of direction and follow the laws of the Lord."

Many are too involved in the things of this world to "stop and consider" where they are going or whom they are following. Life becomes a blur and there is not much difference between night and day: everything looks like a long piece of grey flannel that has no beginning or end.

The Psalmist said, "I considered - I turned." It does not take much time to see the difference between God's way and the world's way. And, when one sees the benefits of what God has to offer us in contrast to what the world takes from us, the choice is clear: life or death. It is wise to stop, consider our choices and turn to God.

Prayer: We have in You, Father, all that we need for today and after "today" a life with You in Heaven. Call to our minds the direction we are going and where we need to go. In Jesus' Name, Amen.

Scripture For Today: I have considered my ways and have turned my steps to Your statutes. Psalm 119:59

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Beef Enchiladas

2 pounds ground beef
 ¼ medium onion, finely chopped
 1 cup shredded Cheddar cheese
 ½ cup sour cream
 1 tablespoon dried parsley
 1 tablespoon taco seasoning
 1 teaspoon dried oregano
 ½ teaspoon ground black pepper
 2 ½ cups enchilada sauce
 1 ½ teaspoons chili powder
 1 clove garlic, minced
 ½ teaspoon salt
 8 flour tortillas
 1 (15 ounce) can black beans, rinsed and drained
 1 (4 ounce) can sliced black olives, drained
 ¼ cup shredded Cheddar cheese

Preheat oven to 350 degrees F.

Cook and stir ground beef with onion in a skillet over medium heat until meat is crumbly and no longer pink, about 10 minutes. Drain grease. Stir 1 cup Cheddar cheese, sour cream, parsley, taco seasoning, oregano, and black pepper into the ground beef until cheese has melted. Mix in enchilada sauce, chili powder, garlic, and salt; bring to a simmer, reduce heat to low, and simmer until meat sauce is slightly thickened, about 5 minutes.

Lay a tortilla onto a work surface and spoon about 1/4 cup of meat sauce down the center of the tortilla. Top meat sauce with 1 tablespoon black beans and a sprinkling of black olives. Roll the tortilla up, enclosing the filling, and lay seam-side down into a 9x13-inch baking dish. Repeat with remaining tortillas. Spoon any remaining meat sauce over the enchiladas and scatter any remaining black beans and black olives over the top. Sprinkle tortillas with 1/4 cup Cheddar cheese.

Bake in the preheated oven until cheese topping is melted and enchiladas and sauce are bubbling, 20 to 22 minutes. Let stand 5 minutes before serving.



Best Chocolate Chip Cookies



1 cup butter, softened
 1 cup white sugar
 1 cup packed brown sugar
 2 eggs
 2 teaspoons vanilla extract
 1 teaspoon baking soda
 2 teaspoons hot water
 ½ teaspoon salt
 3 cups all-purpose flour
 2 cups semisweet chocolate chips
 1 cup chopped walnut

Preheat oven to 350 degrees F.

Cream together the butter, white sugar, and brown sugar until smooth. Beat in the eggs one at a time, then stir in the vanilla. Dissolve baking soda in hot water. Add to batter along with salt. Stir in flour, chocolate chips, and nuts. Drop by large spoonfuls onto ungreased pans.

Bake for about 10 minutes in the preheated oven, or until edges are nicely browned.

Recipes courtesy of allrecipes.com

Poultry industry responds after virus detected

FROM PAGE 7

Pescatore says farmers are required to get permits to move any type of poultry products out of those 10-kilometer zones, "and that includes any birds going to slaughter or eggs going to market."

When this type of infection is detected, Pescatore says there's a series of events that take place, set up by the USDA, including depopulation within 24 hours. "Then identification of birds' owners and contract owners involved, disposal of the dead birds ... Then they will have that removed and do cleaning, disinfecting, survey the farm, and once they have a clean bill of health, they can start repopulating."

Pescatore says samples are being sent to the National Veterinary Services Laboratory in Ames, Iowa, at the same time they are sent to UK in order to prevent delays. The national lab in Iowa is "the only lab that can call it a positive — they isolate the virus and check the lineages, and call it high path or not."

He says Kentucky is lucky to have two diagnostic labs, at UK and Murray State University, which are part of the National Animal Health Laboratory Network, put in place to provide early detection of significant animal disease outbreaks.

"We've very fortunate to meet that high standard of quality here."

Although commercial flocks are the only ones presently affected in the state, he says "smaller farmers can't move their birds either. Where we're really having economic impact — certain companies will put an embargo on poultry products or birds that are processed or stored in Kentucky," he says. "Some countries have already embargoed our exports, but it varies from country to country — that's where the economic problem comes in."

Agreements about how to handle embargoes are already set up, Pescatore explains. "They don't just read it

in the paper and decide to embargo ... When a high path AI is discovered, they report it to the OIE (the World Organization for Animal Health) ... In the past, a country may ban all poultry from the entire U.S., but this way they compartmentalize it by states, even county levels, due to the different types of agreements out there. Which is a good thing."

The U.S. is the world's largest poultry meat producer, in front of China and Brazil. According to the KDA, Kentucky's production from broilers and eggs brought in \$856 million in 2020. Chickens are among the state's top commodities, KDA says, and generated \$376.2 million in cash receipts over 2021.

"For the larger companies, they can shift production around and export out of a different state, but it does put a damper on our ability to export," Pescatore says.

Dan Flanagan, with the Kentucky Poultry Federation, says they are strongly encouraging growers and integrators "to really be diligent with biosecurity efforts," like halting visits to broiler farms and washing equipment, for example.

"The Federation is very grateful and thankful to the KDA and state vet's office, and USDA, for the quick response they've given to this issue," Flanagan says. He says that because of the diligent response and multi-agency collaboration, "We have certainly jumped on this with both feet to make sure it doesn't spread."

Kentucky bird owners should report sick birds or unusual bird deaths to state and federal officials, through USDA's toll-free number at 1-866-536-7593.

Anyone in need of more information or a check list can view the "Defending the Flock" section of Animal and Plant Health Inspection Service's website at aphis.usda.gov, and additional info for

backyard flocks is at healthybirds.aphis.usda.gov.

By Bobbie Curd
Field reporter



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Ag Development Board approves more than \$2.4 million for projects

The Kentucky Agricultural Development Board approved \$2,421,869 for agricultural diversification and rural development projects across the commonwealth at its monthly board meeting.

"Investments, like these made today by the Kentucky Agricultural Development Board, help keep our agricultural industry diversified," Commissioner of Agriculture Dr. Ryan Quarles said. "From awards totaling less than \$2,000 to those up to \$1,000,000, Kentucky agriculture continues to expand and mature through these funds."

State and County Funded Projects

- Daviess County Lions Club Fair was approved for \$5,000 in Daviess County funds to offset the cost of premiums for agriculture exhibits at the 2022 Daviess County Fair. For more information on the project contact, Joan Hayden at haydenfarms14@gmail.com.

\$5,000 in Daviess County funds to host a program at Grain Day for producers to learn the latest on production practices, agricultural policy, and marketing information. For more information on the project contact, Clint Hardy at chardy@uky.edu.

- Kentucky Exposition Foundation was approved for \$1,000,000 in state funds to support Kentucky youth agricultural activities, events and competitions at the Kentucky State Fair, including programs associated with FFA and 4-H events. For more information on the project contact, John Danesi at jdanesi54@gmail.com.

- The McLean County Extension District Board was awarded \$2,000 in McLean County funds for contracting a specialist to provide educational sessions at the McLean County Poultry Expo. For more information on the project contact, David Fourqurean at

SEE AG, PAGE 17

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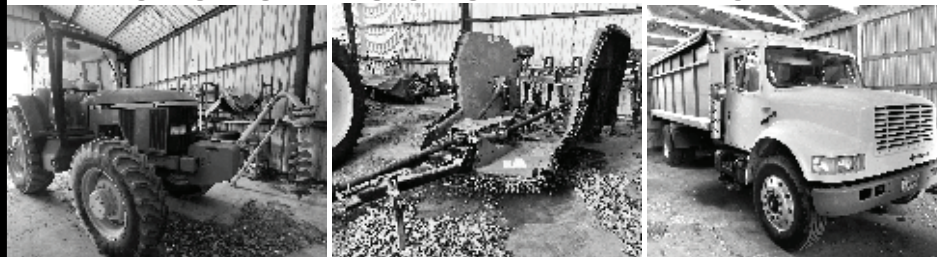
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Saturday, March 5th, 1 p.m.

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Saturday, March 5th, 10 a.m.

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Saturday, March 5th, 9:30 a.m.

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Saturday, March 5th, 10 a.m.
Saturday, March 5th, 1 p.m.

SIMMENTAL

Friday, March 4th, 4 p.m.
Saturday, March 5th, 11 a.m.

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Saturday, March 5th, 2 p.m.

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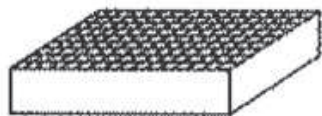
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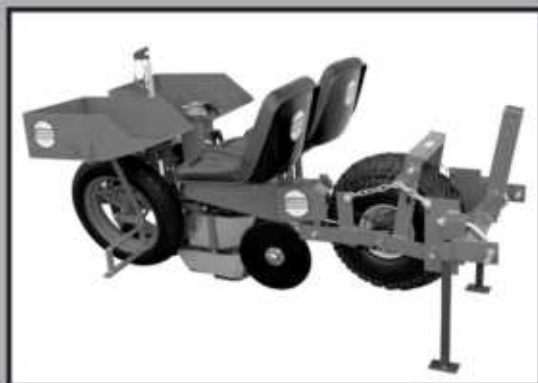


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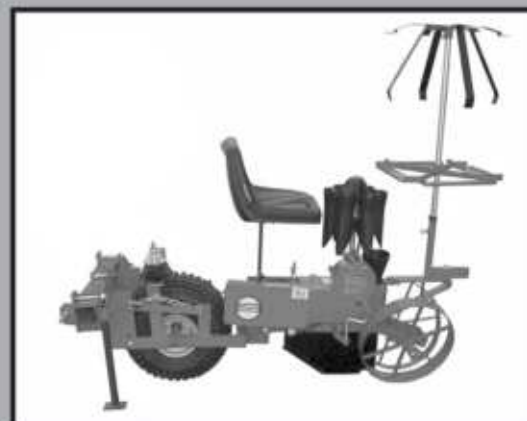
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Finding quality varieties: Better know your seed tags

The Forage Doctor

By Jimmy Henning



'Thou shalt use certified seed' is engraved on every practicing agronomist's diploma. Farmers have long known to look for the blue tag and count on its assurance that the product in the bag was high quality and the performance matches the name on the tag. Looking for the blue tag simplified variety selection. However, you will find only a few blue tags on forage seed in ag supply stores these days, even on their premium products. To understand how to be assured of performance from the forage seeds you buy when forages don't have the blue tag, we must take a deep dive into seed tags and seed quality.

The blue tag on certified seed is your assurance of high seed quality (purity and germination) and varietal integrity. The certifying agency (such as the Kentucky Seed Improvement Association) provides independent oversight all the way from the seed production field to the point of sale. This agency

establishes the minimum standards for germination, purity and other characteristics for seed to be labelled as certified. These standards are very stringent and much higher than the minimum specified in the Kentucky Seed Act. For example, the minimum standards for germination for agricultural seed (crop or forage) in Kentucky is only 60%. In contrast, the minimum percent germination for certified red clover and tall fescue is 85 and 80%, respectively.

The certification process adds time and expense to seed production. Today, nearly all seed production is done by commercial companies, and they decide whether or not to certify a lot of seed. Premium forage varieties that are not certified are referred to as proprietary varieties. With proprietary varieties that are not certified, the integrity of the originating company is replacing the oversight provided by the seed certifying agency.

The variety name on the tag indicates the genetics in the bag. By Kentucky law the seed tag must state the variety for our common forages like alfalfa, red clover, tall fescue, timothy and orchardgrass or label it 'Variety Not Stated' (VNS). Only a few forage spe-

cies (for example-annual lespedeza) do not require a variety name on the tag. Performance of a named variety can be verified by consulting objective independent test like those conducted by the University of Kentucky. For more information on performance of forage varieties in Kentucky please see the following web site: https://forages.ca.uky.edu/variety_trials.

Looking for the blue tag is essential when buying certain older varieties like Kentucky 31 tall fescue and Kenland red clover. There can be and often is a large difference in performance between the certified and uncertified seed. In UK's trials, certified Kenland consistently yields 10% better than the average of the trials it is in, while uncertified Kenland yields 70% of average. The benefit from using certified Kenland could easily be four tons of dry matter over a three year trial or over a ton extra yield each year.

It is very important to carefully read the seed tag, especially for non-certified seed. In a recent comparison of certified and uncertified Kentucky 31 tall fescue, the certified seed has 9% greater



Kentucky 31 tall fescue is one of the most widely recognized names among forage varieties. Even if the seed you buy comes in a bag with this logo, you must read the seed tag to know if you are buying a high performing variety that is high in purity and germination.

purity (99 vs 90%) and 10% more germination (90 vs 80%). The uncertified Kentucky 31 had 180 noxious weed seeds per pound while the certified seed

SEE FINDING, PAGE 14

BALE

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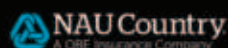
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Finding quality varieties: Better know your seed

FROM PAGE 13

had none. Become a savvy reader of seed tags and make sure you are getting high quality seed.

Blends, Brands and Variety Not Stated. Nearly all companies will market some seed as a blend. It may be a mix of varieties of the same species or a mix of different species. In Central Kentucky, 'Horse Pasture Mix' is a common blend. The seed tag of a blend will indicate that it is a blend and must state the names of the forages in the bag and the amounts of each. Each component must include the variety name or be labeled 'Variety Not Stated' or VNS. Blends do not have to have the same from year to year.

Blends may be marketed under a trademarked name (called a brand) for name recognition. As with blends, the seed tag must list each component forage, its proportion in the bag, and the variety name or be labelled as 'Variety Not Stated'. The highest quality blends will be a mix of known, proven varieties that meet the expectations of the advertised product.

Companies choose to market seed through a blend because they can alter the mix as the supply of components vary. If variety A in the blend is in limited supply, they can replace it with something similar and maintain supply. With any blend, you can assure yourself of the performance of that product by checking the performance of each of the individual varieties in independent forage variety trials.

The bottom line is that quality seed may or may not have a blue tag. Confirm the performance of the variety name or names on the tag by looking for it in independent research trials such as UK's Forage Variety Testing program. UK does not test blends or brands, only varieties. Finally, become a savvy seed tag reader, looking for high germination, purity and freedom from weed seed. If you need more information about forage seed quality or variety performance, your local UK County Extension Agent for Agriculture and Natural Resources will be glad to assist.

Happy foraging.



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Beshear announces \$4.3 million in tobacco settlement funds to Kentucky farms

Gov. Beshear and Energy and Environment Cabinet Secretary Rebecca Goodman announced recently that the Kentucky Soil and Water Conservation Commission has selected 387 Kentucky farm projects in 85 counties to receive a total of \$4,301,038 in tobacco settlement funds.

The money will be used to promote practices that protect water quality and prevent soil erosion. Projects include alternative water sources for livestock, grassed waterways, fencing to facilitate rotational grazing and cover crops.

"Kentucky's farming families are the grass roots of our economy," Gov. Beshear said. "Through this program we are supporting their efforts to build a better Kentucky through production practices that not only protect the environment but improve their bottom line."

Tobacco Master Settlement funds are appropriated each year by the General Assembly to support the program. Funds are distributed with the assistance of the 121 Soil and Water Conservation Districts across Kentucky, which work with local farmers to verify and submit proposed projects for consideration. Award recipients have two years

to complete their projects.

The Conservation Commission has obligated more than \$175 million in state cost share funding in the past 28 years. In 2021, reimbursements were made for the completion of 540 projects. These included 3,856 acres of cover crop, more than 55 miles of fencing, 764,000 square feet of grassed waterway and 28 miles of pipeline to supply 240 waterers.

Soil and Water Conservation Commission chair Danny Shipley, a farmer in Allen County, said the program benefits Kentucky farmers and the commonwealth.

"Many farmers would be unable to improve their farms without these funds," Shipley said. "These dollars help conserve soils and improve water quality, but they also turn over in the economy and improve our local communities."

"We're honored to be able to support our farmers through this and many other programs," Secretary Goodman said. "By working together, we're improving soil and water quality and helping our farmers improve productivity in the process."



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Kentucky-Netherlands Agritech collaboration adds nine members

A collaboration to build a thriving agritech ecosystem in the commonwealth took another major step forward today as Gov. Andy Beshear announced the partnership between governments, universities and companies in Kentucky and the Netherlands added nine new members.

Joining the collaborative effort are the Kentucky Horticulture Council, Kentucky State University and Wageningen University & Research in the Netherlands, as well as Kentucky-based companies AppleAtCha and Kentucky Fresh Harvest and Dutch companies Arcadis, Delphy, HortiTech and Royal Brinkman.

"It is one of our top priorities to increase agritech and agribusiness opportunities throughout the commonwealth – and today we are meeting this goal," Gov. Beshear said. "We welcomed nine new partner organizations that are ready to work alongside us to make sure the Commonwealth of Kentucky is the agritech capital in the United States."

Accompanying Gov. Beshear for the announcement, Dutch Consul General Bart Twaalfhoven said the growing partnership indicates Kentucky is serious about growing its agritech base.

"The commitment of renowned Dutch organizations like Wageningen University and strong Dutch companies like Arcadis, along with the entrepreneurial spirit of new Kentucky businesses like AppleAtCha and Kentucky Fresh Harvest, sends a clear signal to the rest of the United States and the world: Kentucky means business," Twaalfhoven said.

Established in 2020, the agritech collaboration plans to make the region a hub for the sector's growth using Dutch knowledge, products and services and positions Kentucky as the agritech capital in the U.S. by 2030. The initiative aims to provide fresh, local and affordable food to more people, use fewer land and natural resources and create sustainable skilled jobs within the sector.

Andre Haspels, ambassador of the Kingdom of the Netherlands, noted the potential long-term impact of the initiative.

"The Kentucky project aims to improve the local job market and to allow for regional production and

distribution of fresh foods in a former coal mining region," Ambassador Haspels said. "This proposal is key for the development of a sustainable and healthy food production ecosystem in Kentucky, which will also facilitate U.S. and Dutch collaboration among knowledge institutes and businesses. We believe that this proposal will create transformational change in Kentucky's Appalachian Region."

The agritech partnership includes the Commonwealth of Kentucky and the Dutch Ministry of Agriculture, Nature and Food Quality and NLWorks, a public-private network organization initiated by the Dutch ministries of Economic Affairs, Foreign Affairs and the Confederation of Netherlands Industry and Employers.

Existing education partners include the University of Kentucky College of Agriculture, Food and Environment, Eastern Kentucky University, Morehead State University, University of Pikeville, Berea College, and Netherlands-based HAS University of Applied Sciences and Fontys University of Applied Sciences.

Company partners include AppHarvest, which helped spearhead the initiative, and six Dutch companies: Dalsem, Signify, Certhon, Light4Food, Priva and Rijk Zwaan.

Kentucky is home to more than 200 agribusiness-related facilities that employ over 20,000 people statewide. Since the start of the Beshear administration, companies within the sector have announced creation of over 1,200 jobs with \$484 million in planned investment.

The expanded agritech collaboration furthers recent economic momentum in the commonwealth, as the state builds back stronger from the effects of the pandemic.

Gov. Beshear recently announced that on Jan. 28, S&P Global Ratings revised Kentucky's financial outlook to positive from stable and affirmed its "A-" credit ranking. S&P cited a reduced reliance on one-time items to balance the budget and a higher balance in the state's rainy day fund as primary factors influencing the change.

That follows a 2021 during which



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Ag Development Board approves more than \$2.4 million for projects

FROM PAGE 10

dfour2@uky.edu.

• The Metcalfe County 4-H Council, Inc. was approved for \$1,709 in Metcalfe County funds to purchase 18 hams for Metcalfe County 4-H members. For more information on the project contact, Marla Young at marla.young@uky.edu.

• T & L Land Holding, LLC was approved for \$17,817 in state funds and \$45,000 in multiple county funds to help rebuild a cattle-handling facility for veterinary use in Woodford County. For more information on the project contact, Chris Jolly at jolly06@aol.com.

Meat Processing Investment Program (MPIP)

MPIP provides funding for meat processors who are currently or plan to become USDA certified to financially incentivize economical expansion of businesses to process Kentucky meat products. This MPIP program funding ended on December 31, 2021, all meat processing applications will now be considered with regular project appli-

cations.

One MPIP Level 2 grant was approved by the board totaling \$35,616:

- Kevin Clark in Shelby County (\$35,616)

Two MPIP Level 4 grants were approved by the board totaling \$500,000:

- Logan Premium Meats in Christian County (\$250,000)
- Palmer Farm Meats in Calloway County (\$250,000)

On-Farm Energy Efficiency Incentives Program

The On-Farm Energy Efficiency Incentives Program provides incentives for Kentucky farm families to increase the energy efficiency of existing equipment or facilities on the farm.

Five On-Farm Energy grants were approved by the board totaling \$43,775:

- Christian (\$10,150)
- Fayette (\$10,150)
- Graves (\$10,150)
- Jessamine (\$10,150)
- Marion (\$3,175)

County Agricultural Investment Pro-

gram (CAIP)

CAIP provides Kentucky agricultural producers with cost-share assistance on practices to allow them to improve and diversify their current farm operations. CAIP covers a wide variety of agricultural enterprises in its 11 investment areas, including, but not limited to, bees and honey; equine; forage; beef and dairy cattle; goats and sheep; horticulture; poultry; swine; timber and technology, as well as energy efficiency and production; farm infrastructure and water enhancement; marketing; and value-added production.

Six CAIPs were approved by the board totaling \$670,045:

- Barren (\$46,000)*
- Jessamine (\$80,000)*
- Marion (\$30,000)*
- Ohio (\$129,800)
- Lewis (\$243,045)
- Washington (\$141,200)

Next Generation Farmer Program (NextGen)

NextGen addresses the growing need for a specialized program that would benefit producers ages 18 to 40 that

have been engaged in an agricultural operation for a minimum of three years.

One NextGen Program was approved by the board totaling \$63,600:

- Washington (\$63,600)

Shared-Use Equipment Program

The Shared-Use Equipment Program assists broad-based community organizations with the purchase of farm equipment. The equipment purchased is made available for producer use in a specific county on a leased basis.

One Shared-Use program was approved by the board totaling \$1,957:

- Clay (\$1,957)

Youth Agricultural Incentives Program (YAIP)

YAIP encourages youth to engage in and explore agricultural opportunities.

One YAIP program was approved by the board totaling \$30,350:

- Washington (\$30,350)

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EMERGING KENTUCKY INDUSTRIES - LAVENDER

By Matt Ernst, UK Center for Crop Diversification

Lavender (*Lavandula*) is among the best-known of aromatics. Lavender has been used since ancient times for aromatic and medicinal purposes, and it maintains popularity because of lavender ingredients in essential oils, perfumes and other personal care products. There are more than 20 commercially important lavender cultivars, with climate and plant culture requirements varying among some of the major lavender types. Large-scale lavender production in Kentucky is limited by climatic requirements (low humidity and low winter temperatures), poorly drained soils and the scale requirements for essential oils processing. Lavender could be suited as a specialty/niche crop for some Kentucky farms, especially those with ongoing agritourism enterprises.

Marketing

Marketing constraints and the scale requirements for essential oils processing make lavender more likely suited as a crop for ornamental or on-farm agritourism potential (lavender festivals) in Kentucky. Kentucky-grown lavender also has potential as an ingredient for small-scale producers of value-added products, such as soaps and floral arrangements. Other marketing possibilities for lavender include fresh and dried cuttings for floral arrangements; flowers for cooking or food garnishes; and as an ingredient in a wide range of other value-added products, from potpourri to candles.

Lavender and lavender products could be sold across the range of farm direct marketing channels, including on-farm stands, agritourism,

community supported agriculture and farmers markets. Wholesale marketing to retailers, florists and restaurants is also possible. Because of the wide availability of lavender products, especially personal care products, local lavender producers must be able to differentiate their product greatly to obtain profitable prices.

Production considerations

Lavender Types - Different lavender cultivars are more suitable for fragrance, flowers or oil production. The most fragrant lavenders are English lavenders (*L. angustifolia*) and French lavenders (*L. dentata*). Other types include spike lavender (*L. latifolia*) and *L. stoechas*, commonly called Spanish or French lavender.

Lavandins, hybrids of English and spike lavenders, are the most common types produced in the U.S. for floral usage. Lavandins include the popular cultivars 'Provence' and 'Grosso.' According to the National Center for Appropriate Technology (NCAT), oils extracted from lavandins may be blended with distillates from 'Grosso' to make "products of acceptable quality."

Production Methods - Lavender is best established on sandy loam soils with a pH from 6 to 8. Kentucky plantings will be most successful when established in well-drained soil, usually on raised beds. Amending soil to improve drainage will be necessary for long-term lavender production from most soil types in Kentucky because lavender is prone to root rotting diseases.

Lavender can be successfully propagated through softwood cuttings. Propagation of lavandins from



seed is not usually recommended in order to produce plants true to type. Removing flowers during the first growth years can help establish healthy plants.

Supplemental water and fertilizer are necessary during establishment years. Spring irrigation is necessary for young plants. Drip irrigation helps reduce foliage moisture. Dry foliage and good air circulation around lavender plants helps reduce disease, which can reduce yields and foliage quality. Lavender has few insect pests, and lavender plants may help attract beneficial insects to other nearby crops.

Fertilizer requirements are less for lavender types grown for oil. Spring nitrogen applications applied through fertigation can improve lavender spike growth and flowering.

Lavender is susceptible to freezing injury. On-farm research has shown that the use of windbreaks, hoop houses or other protective structures can reduce winter injury and increase plant survival.

Harvest, Post-Harvest Processing and Labor

The majority of lavender is hand-harvested, and timely harvests are necessary to maintain product quality. Harvest times vary for lavender intended for essential oils and flowers. Harvest of lavender types for essential oils occurs when flowers are less open than harvest for fresh and dried flowers. Lavender flowers may be dried on the stem and either sold as flower bundles or as dried buds.

Essential oils require distillation of lavender buds after harvest. This requires flower bud removal from stems, followed by distillation of the buds. Lavender buds are usually distilled by steam. Essential oils may also be extracted from buds by the use of organic solvents or carbon dioxide.

For additional information such as market outlook and economic considerations, search "Lavender Center for Crop Diversification" or visit www.kyfoodandfarm.info.

Blue Grass South Stanford, KY Jan. 3 & 6, 2022 Feeder Steers: Medium & Large 1-2 53 hd. 802# 152.00 blk 62 hd. 832# 156.90 blk 49 hd. 867# 154.90 blk 64 hd. 870# 154.90 blk 62 hd. 873# 154.80 charx 64 hd. 904# 160.00 blk-charx 62 hd. 910# 154.40 blk-charx 56 hd. 916# 154.70 blk 58 hd. 918# 162.00 blk 58 hd. 964# 157.00 blk-charx Feeder Heifers: Medium & Large 1-2 86 hd. 576# 150.25 blk-charx 83 hd. 623# 147.30 blk-charx 78 hd. 729# 141.00 blk-charx 69 hd. 759# 139.25 blk-red	KY-TN Livestock Auction Guthrie, KY Jan.6, 2022 Feeder Heifers: Medium & Large 1-2 26 hd. 465# 132.00 bbwf Mid-KY Livestock Market Upton, KY Jan. 4, 2022 Feeder Steers: Medium & Large 1-2 34 hd. 606# 167.25 blk 20 hd. 732# 148.75 blk 23 hd. 760# 146.00 blk 31 hd. 842# 147.50 blk Feeder Heifers: Medium & Large 1-2 22 hd. 425# 147.00 mixed 28 hd. 523# 142.50 mixed 23 hd. 579# 142.00 mixed 20 hd. 645# 130.00 blk	Blue Grass Stockyards Lexington, KY Jan. 3 & 4, 2022 Feeder Steers: Medium & Large 1-2 47 hd. 623# 163.75 blk-mixed 70 hd. 740# 163.80 bbwf-mixed 62 hd. 867# 159.70 bbwf-rrwf Feeder Heifers: Medium & Large 1-2 100 hd. 498# 165.00 blk-mixed 25 hd. 532# 150.75 blk 22 hd. 582# 141.50 blk 21 hd. 637# 142.50 mixed 44 hd. 643# 141.75 blk-mixed 70 hd. 692# 154.00 bbwf 50 hd. 722# 144.00 blk 131 hd. 742# 148.95 blk-mixed 63 hd. 817# 145.90 bbwf	Paris Stockyards Paris, KY Jan.6, 2022 Feeder Steers: Medium & Large 1-2 21 hd. 800# 137.00 blk 63 hd. 857# 157.00 blk-charx Feeder Heifers: Medium & Large 1-2 76 hd. 777# 150.40 blk-red Washington Co. Livestock Springfield, KY Jan. 3, 2022 Feeder Steers: Medium & Large 1-2 57 hd. 789# 158.00 mixed 61 hd. 820# 158.00 blk Blue Grass of Albany Albany, KY Jan. 5, 2022 Feeder Steers: Medium & Large 1-2 66 hd. 801# 157.90 blk-charx Holstein Steers: Large 3 60 hd. 860# 113.75 Feeder Heifers: Medium & Large 1-2 21 hd. 712# 135.00 blk-red Blue Grass East Mt. Sterling, KY Jan. 5, 2022 Feeder Steers: Medium & Large 1-2 40 hd. 882# 157.00 blk Feeder Heifers: Medium & Large 1-2 35 hd. 743# 133.75 blk-charx
Blue Grass of Campbellsville Campbellsville, KY Jan. 5, 2022 Feeder Steers: Medium & Large 1-2 24 hd. 715# 150.25 blk 64 hd. 864# 156.00 blk 41 hd. 899# 141.90 charx Feeder Heifers: Medium & Large 1-2 104 hd. 783# 147.80 blk 20 hd. 816# 132.50 charx	Russell County Stockyards Russell Springs, KY Jan.5, 2022 Feeder Steers: Medium & Large 1-2 52 hd. 603# 175.00 blk 62 hd. 711# 157.85 mixed 39 hd. 729# 157.50 blk 21 hd. 749# 142.50 blk 72 hd. 749# 145.00 blk 68 hd. 828# 159.00 blk Feeder Heifers: Medium & Large 1-2 46 hd. 503# 155.00 blk 31 hd. 511# 154.50 blk 85 hd. 606# 152.50 blk-charx 22 hd. 644# 137.25 blk	Farmers Livestock Glasgow, KY Jan. 3, 2022 Feeder Steers: Medium & Large 1-2 86 hd. 608# 162.50 blk 73 hd. 711# 152.50 blk 74 hd. 730# 158.60 blk 53 hd. 760# 154.85 blk-mixed 62 hd. 844# 148.85 blk-mixed Feeder Heifers: Medium & Large 1-2 44 hd. 548# 150.00 blk 22 hd. 587# 131.50 blk 69 hd. 636# 146.50 blk 67 hd. 736# 141.00 blk	
Lake Cumberland Livestock Somerset, KY. Jan.8, 2022 Feeder Steers: Medium & Large 1-2 42 hd. 569# 167.50 blk			

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Corn #2 Yellow	5.85-5.96	5.95-6.05	5.95	5.90	5.95	5.90
Corn #2 White		6.70				
Soybeans #1 Y	13.36	13.55-13.70	13.75-13.80	13.55	13.60	13.85
Wheat #2 SRW	NA	7.62	NA	NA	NA	NA
Barley						
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Corn #2 Yellow	NA	5.32-5.42	NA	5.32	5.95	5.26
Corn #2 White		6.07	NA			
Soybeans #1 Y	NA	12.51-12.71	NA	12.56	12.66	12.97
Wheat #2 SRW	7.00	7.77	NA	7.30	7.20	7.52
Barley						

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Wholesale prices, \$ per ton Rail or Truck FOB Location	01/10/2022	01/10/2022	01/04/2022	01/04/2022	01/04/2022
Soybean Meal 48% Sol	451.10	—	456.00-461.00	434.70	429.70-467.70
Soybean Hulls	210.00	—	—	160.00	—
Corn Distillers Grain Dried	—	215.00	—	—	170.00-215.00
Distillers Grain Modified	—	120.00	—	—	—
Distillers Grain Wet	—	80.00	—	—	—
Corn Condensed Solubles	—	NA	—	—	—
Corn Gluten Feed 20-21 pct	—	—	260.00	—	185.00-200.00
Corn Gluten Meal 60 pct	—	—	670.00	—	615.00-630.00
Cottonseed Meal 41 pct	—	—	385.00-395.00	315.00-320.00	—
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Steers (M&L 1-2)	<u>This Week</u>	<u>Prior Week</u>	<u>Last Year</u>
350-400 lbs	177.91		160.80
400-450 lbs	172.68		159.95
450-500 lbs	171.38		150.34
500-550 lbs	159.00		153.26
550-600 lbs	159.69		143.84
600-650 lbs	151.35		141.08
650-700 lbs	146.45		132.72
700-750 lbs	143.48		129.31
750-800 lbs	142.27		128.67
800-850 lbs	142.60		125.23
850-900 lbs	139.05		124.14
Heifers (M&L 1-2)			
300-350 lbs	145.41		130.70
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Kentucky-Netherlands Agritech collaboration adds nine members

FROM PAGE 16

the commonwealth shattered every economic development record in the books. Private-sector new-location and expansion announcements included a record \$11.2 billion in total planned investment and commitments to create a record 18,000-plus full-time jobs across the coming years. Kentucky's average incentivized hourly wage for projects statewide in 2021 was \$24

before benefits, a 9.4% increase over the previous year.

Kentucky also saw an all-time, record-setting budget surplus in fiscal year 2021 and enters 2022 with an estimated \$1.9 billion more than budgeted.

For details on the agritech collaboration between Kentucky and the Netherlands, visit LetsGrowTogether.tech.

More information on the Governor's AgriTech Initiative is available at AgriTech.ky.gov.

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PT3	1.70
PT4	.80

Middles

PM1	2.20
PM2	2.10
PM3	1.70
PM4	.80

Bottoms

PB1	2.00
PB2	1.90
PB3	1.60
PB4	.80

kycorn CONNECTION

News from the Kentucky Corn Growers Association and Kentucky Corn Promotion Council

Intensive Corn Management Seminar and NFMS promote productive conversation among growers

KyCorn had a successful relaunch of their Intensive Corn Management Seminar in Louisville last week, as a prequel to the Farm Machinery Show for Kentucky corn growers.

Featuring agronomist John McGillicuddy and several Kentucky corn leaders and experts, the seminar provided robust discussion from participants on topics such as equipment fleet management and precision agriculture among others.

"This is the first time since 2005 that we have held this program," remarked Adam Andrews, KyCorn programs director, "and we are very happy with the results and farmer feedback. We expect to hold more programs like this in the future."

Following the seminar, KyCorn headed to the National Farm Machinery Show to discuss critical issues with their membership and promote the partnership with Green River Distilling Company. Thursday proved to be the best day for local farmer interactions due to the heavy rains across the region.

Experts stopped by the booth periodically for great conversation. Pictured to the right is Greg Goodman of Precision Conservation Management, who explained how their program helps farmers monetize conservation BMPs.

The promotion of Green River's Yellow Banks bourbon was also a great success, according to Andrews. A portion of sales proceeds are directed to KyCorn for research and promotion projects. Company representatives showcased their local-focused production and distribution system.



CORE

Farmer Program

Apply Now

KyCorn is now taking applications for the next CORE (Crop Observation and Research Education) Farmer Program class. Since its inception in 2010, more than 90 farmers have completed the program.

Classes are comprised of seven learning sessions, lasting three days each. By completing this program, participants can expect to spend 20 nights away from home. Most seminars will be held in winter months, when on-farm activities are slowed.

"Our goal is to provide the best agronomic-based educational program for Kentucky corn farmers and we do that by continually seeking out top-notch speakers and cutting edge topics," said Bill Meacham, a member of the CORE Steering Committee.

For more information, contact Programs Director, Adam Andrews at 502-974-1121 or adam@kycorn.org. Applications are available at www.kycorn.org/core.



KyCorn College Scholarships Application Deadline: March 1

Up to \$6,000 in scholarships are available to students of KyCorn member families. Find application details and qualification criteria at kycorn.org.



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