



Friday Notes is designed to enhance communication among various agricultural sectors, educators, students, and the public who are interested in a variety of plant, animal, food, and environmental issues. *Friday Notes* advocates the pursuit of credible, unbiased, science-based information. Material contained in linked articles is from the original authors and does not necessarily reflect the views of CAST.

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Announcements



The USDA announced that registration is now open for the [99th annual Agricultural Outlook Forum](#) February 23-24, 2023.

The [Federal and State Actions to Restrict PFAS: Impact on Food Companies](#) webinar will be held on November 14.

Registration is open for the food security webinar, [Grand Challenges and The AgriFood Entrepreneurship Initiative: Lessons from Randomized Control Trials in Tanzania](#), to be held on November 17.

CAST College Corner

The [University of Kentucky](#) will host the 2022 Kentucky Invasive Plant Conference on November 15.

[University of Arkansas](#) researchers are searching for spinach varieties with resistance to Pythium.

The [University of Nevada-Reno](#) has a new resource that

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Upcoming Special Publication

Next week the latest CAST special publication, *Zoonotic Diseases in Animal Agriculture and Beyond: A One Health Perspective*, will be released. There will be an



in-person opportunity in Washington, D.C. on Monday, Nov. 14, and a free webinar on Thursday, Nov. 17, to learn more about the paper directly from the task force chair, Dr. Lonnie J. King, DVM, MS, MPA, Diplomate ACVPM, and Dean Emeritus of The Ohio State University College of Veterinary Medicine.

One Health brings together experts and thinking in biomedicine and health, but goes much further to include animal, environmental, climate sciences, social and behavioral sciences, agriculture, business, engineering, and many more fields. Zoonotic diseases are diseases of animals that infect humans and continue to afflict humanity and animal health and welfare.

Please see the CAST Updates section for more information and to register for the presentations and webinar.

News and Views

USDA Updates: The Biden-Harris Administration is investing \$73 million in 21 grant projects through the first round of the [Meat and Poultry Processing Expansion Program](#) (MPPEP). The USDA's Forest Service and the National Wild Turkey Federation have signed a landmark 20-year [national master stewardship agreement](#). The USDA released a map showing the [avian flu outbreak by state](#).

New WASDE: The latest World Agricultural Supply and Demand Estimates ([WASDE](#)) report has been released.

sheds light on tree encroachment on sagebrush ecosystems.

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CAST [welcomes ideas](#) for future publications and projects.

Mitloehner: Dr. Frank Mitloehner ([2019 BCCA](#)) posted [his response](#) to two publishers' articles challenging CLEAR Center Funding. He also joined Agritalk to [share the facts](#) on the media's misconceptions.

Far Side of the Barn

Hay Cutie: These parents were able to video their kid's reaction to [seeing hay for the first time](#).



CAST Updates

New Publication—Zoonotic Diseases in Animal Agriculture and Beyond: A One Health Perspective

CAST is releasing a special publication on zoonotic diseases in animal agriculture!

By looking through the lens of One Health, we identify key lessons learned in the dynamics of zoonotic diseases including their transmission and prevention. With this knowledge and the insights from the vignettes presented in this paper, we are able to make more effective recommendations to address the growing challenges of zoonoses. Finally, the paper discusses the need and benefits for agriculture to become more engaged in One Health activities and opportunities to better manage the global threats of zoonotic diseases.



Dr. King will be presenting the information in person on Monday, Nov. 14, in Washington D.C., at three events in the D.C. area. There will also be a free webinar on Thursday, Nov. 17, 12 p.m. CST, when Dr. King will make a presentation, followed by a Q&A with other authors of the paper.

Click here to register for an [in-person session in Washington, D.C.](#)

Click here to register for the [November 17 free webinar](#).

Animal Agriculture and Environmental News

Wagyu: The Wagyu breed association continues to [grow at a rapid pace](#) as consumers learn about the unique flavor profile.

Liver Abscesses: West Texas A&M University found that condemned beef livers cost the U.S. beef industry [\\$409 million annually](#).

Avian Flu: The Agriculture Department has spent \$450 million to combat this year's outbreak of bird



This video discusses the

flu, but losses among domestic flocks are [nearing the record set seven years ago](#) in the largest-ever U.S. animal health emergency.

benefits of [feeding ley crops to pigs](#).

Food Science and Safety News

Food Safety: The FDA has issued [revised food safety standards](#) for state regulatory programs that oversee food facilities that manufacture, process, pack, or hold foods.

Tomatoes: Researchers from The Ohio State University found that two weeks of eating a diet heavy in tomatoes increased the diversity of gut microbes and [altered gut bacteria](#) toward a more favorable profile in young pigs, and are hoping to progress to similar studies in people.

Food Systems: A Cornell University student's research focus is on [Indigenous agriculture systems](#).



The USDA reminds us all that it's important to remember the [steps to food safety](#) during America's biggest meal.

Plant Agriculture and Environmental News

Plant Toxin: A [fungus that causes "vomitoxin"](#) has been found in some U.S. corn harvested this fall, causing headaches for growers and livestock producers.

Lake Cargo: The Great Lakes is experiencing increased ag product movement [from upstate New York to Minnesota](#) to Canada.

Carbon Storage: A recent study published by the Soil Science Society of America shows that [tree islands are capable of storing more carbon](#) than marshes.



A UC Davis grassland study examines soil viral diversity in drought conditions, which could [help predict soil dynamics](#).

International News

Soy: International soy buyers are watching the [Mississippi River levels](#) and rail road challenges closely.

Drones: Australian [avocado farmers are using drones](#) to measure transpiration, refine irrigation, and boost yields.

Protests: Protests by Brazilian truckers over a recent election are [having little impact on exports](#) out of that country.

Avian Flu: A UK directive has instructed all farmers to [keep their birds indoors](#) as part of a stringent measure to stop the spread of avian flu, or the H5N1 virus.



Historically reliant on imports to meet domestic demand, Zimbabwe is on the cusp of a [record wheat crop](#) as part of its efforts to ensure a stable food supply.

General Interest News

La Niña: NOAA's Climate Prediction Center says there is a [75% chance of La Niña conditions](#) during the winter, which would be the third consecutive season.

Drought: More than [60% of U.S. acres](#) are in a drought and the country is the driest it has been in a decade.

Rural Internet: Purdue University released a report showing that [30% of the largest farmers](#) in the U.S. have poor or no internet.



An agricultural college saw a [100% rise in women studying farming](#).

Photo Credits

Animal from animalalliance.org. Far Side from Good Morning America. Plant from UC Davis. General from sruc.ac.uk.

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- * National Corn Growers Association/Iowa Corn Promotion Board
- * National Milk Producers Federation
- * National Pork Board
- * National Turkey Federation
- * North Central Weed Science Society
- * Northeastern Weed Science Society
- * Nutrien
- * Penn State University
- * Poultry Science Association
- * Society for In Vitro Biology
- * Society for Range Management
- * Soil Science Society of America
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- * Zoetis

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The Science Source for Food,
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