



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



Nominations are now open for the 2023 Borlaug CAST Communication Award (BCCA). [Completed nomination packets](#) are due **Monday, February 27**.

C-FARE is hosting a webinar on [Global Food Security](#) today at 12 p.m. EST.

The 2022 AAAS [Charles Valentine Riley Memorial Lecture](#) video is online.

CAST College Corner

[NC State University](#) is hosting an Emerging Research Showcase on Long-Term Carbon Sequestration via webinar on February 21.

[Mississippi State University](#) is happy to announce it will host the 2nd annual Summer Research Experience program.

CAST Social Media

January 20, 2023

HPAI's Impact on Egg Prices

USDA economists explain that egg prices at the grocery store were elevated throughout 2022 [due to outbreaks](#) of the highly pathogenic avian influenza (HPAI) among egg-laying hens.



The USDA ERS stated that as a result of recurrent HPAI outbreaks, U.S. [egg inventories were 29 percent lower](#) in the final week of December 2022 than at the beginning of the year.

Farmers that sell eggs at farmer's markets are also seeing a [large demand for eggs](#) and comment that the gap is getting smaller between prices of free-range eggs versus eggs from commercial flocks.

News and Views

USDA Updates: The USDA 1) introduced an e-application for the [1890 National Scholars Program](#), 2) expanded efforts to address the wildfire risk [across the western U.S.](#), and 3) along with HHS, announced the [2025 Dietary Guidelines Advisory Committee](#).

HPAI Update: A [new strain of HPAI](#) has killed around 1,600 snow geese in two separate areas of Colorado this winter.

Traceability Rule: This op-ed discusses the next steps for the [FDA's Traceability Rule](#) and for the industry.

Far Side of the Barn

Farm Dog of the Year: The winner of the [2023 Farm Bureau Farm Dog of the Year](#) award is Tough, a

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

Border Collie owned by Kansas Farm Bureau members.

Tractor Chase: Police chased a [man driving a stolen tractor](#) in North Carolina.



CAST Updates

New Partnership



CAST is pleased to partner with [Global Teach Ag Network](#) (GTAN) in hopes of sharing agricultural science and technology resources with educators. GTAN connects global experts, practitioners, organizations, and businesses to educators around the world and empowers educators to connect learners to the world's most pressing issues through quality professional development in global agriculture and food security.

Dr. Daniel Foster, GTAN Innovation Specialist, says, "We strongly believe that if you provide a space for passionate individuals from diverse backgrounds to meaningfully share, awesome can occur. The GLAG community has a focus of providing opportunity for awesome between educators of all disciplines, contexts, and locations for awesome to occur."

The Global Teach Ag Network hosts the Global Learning in Agriculture Community (GLAG), which is available at no cost to any educator across the globe. To join the community, [follow this link](#).

Animal Agriculture and Environmental News

GPS Collars: The U.S. Bureau of Land Management is helping ranchers and farmers in Colorado test virtual fences, which set moveable boundaries [controlled by an app](#), and can keep cattle from overgrazing the range.

Amino Acid Needs: This Ph.D. student at Iowa State University is studying how a [sow's amino acid](#) needs during lactation could boost profitability.

Calf Care Webinar: The NCBA, ISU, UNL, and others are partnering together for a [calf care and quality assurance](#) webinar on February 6.



A Cornell University study has taken steps toward better understanding of cow-specific and environmental factors associated with [colostrum yield and quality](#).

Food Science and Safety News

Rice: UC Davis research has had a breakthrough in rice breeding, which could make high-yielding, [disease resistant rice strains](#) available to low-

income farmers worldwide.

GM Rice: Genetically modified rice could be the key to tackling food shortages caused by climate change. [Reducing the number of stomata](#) that rice has makes them more tolerant to salt water.

Imported Products: The FDA has put [stricter controls on imported](#) cheese, seafood, and avocado products.

DAIRY-BASED MEAT



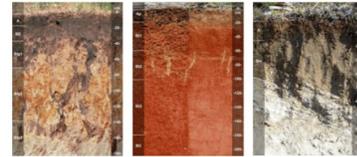
A company in Florida is creating a [dairy-based meat portfolio](#) that includes burgers, chicken cutlets, hot dogs, pulled pork, brisket, scallops, and fish filets.

Plant Agriculture and Environmental News

Plant Regeneration: Whole, fertile plants have been [uniquely regenerated](#) from maternal, immature fruit tissue of Late Pleistocene age.

Fertilizer: An economist from The Fertilizer Institute comments on [fertilizer availability](#) and prices for 2023 planting.

Biotech: Seed companies are urging the USDA to make [biotech regulations more efficient](#).



The recently-released [Keys to Soil Taxonomy](#) provides the taxonomic keys necessary for the classification of soils in a form that can be used easily in the field.

International News

Alternative Fuels: A study in Germany found that using [alternative fuels consistently](#) ensures security of supply and climate change mitigation with immediate effect in the transport sector.

Meat Plants: China has [lifted bans on three](#) Brazilian meatpackers, including two poultry plants and one beef plant.

Soy: India's soymeal [exports could more than double](#) in the 2022/23 marketing year, as drought in top exporter Argentina lifted global prices, prompting buyers to turn to the south Asian country with cheaper rates.



The nutritional wealth of brown rice was been decoded in a recent study in Japan. Asian diets feature rice as a staple grain, contributing towards nearly [90% of the world's rice consumption](#).

General Interest

Extreme Disasters: The National Oceanic and Atmospheric Administration has stated that the U.S. experienced [18 separate weather and climate disasters](#) costing at least 1 billion dollars each in 2022.

California Rains: The historic series of storms that hit drought-stricken California brought [24.5 trillion gallons of water](#) to the region but nearly 80 percent was funneled straight into the ocean.

Weed Control: Kansas State University has released an updated guide on [chemical weed control](#).



Disturbances to Earth's magnetic field can lead birds astray—a [phenomenon scientists call 'vagrancy'](#)—even in perfect weather, and especially during fall migration.

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- * American Farm Bureau Federation
- * American Meat Science Association
- * American Meteorological Society, Committee on Agricultural and Forest Meteorology
- * American Seed Trade Association
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- * Innovation Center for U.S. Dairy
- * Iowa State University
- * Minor Use Foundation, Inc.
- * Mississippi State University
- * National Cattlemen's Beef Association, a Contractor to the Beef Checkoff
- * 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
- * Rural Sociological Society
- * Society for In Vitro Biology
- * Society for Range Management
- * Soil Science Society of America
- * Syngenta Crop Protection
- * The Fertilizer Institute
- * The Mosaic Company
- * Tuskegee University
- * United Soybean Board
- * University of Nevada-Reno
- * U.S. Poultry and Egg Association
- * Weed Science Society of America
- * Western Society of Weed Science

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