



*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



Kent Schescke, CAST EVP/CEO, and John Jamieson, the president and CEO of the Canadian Centre for Food Integrity, were on a Seed World Group webinar that took a closer look at the affect consumer trends and perception can have on agricultural policy. [It can be viewed here.](#)

### CAST College Corner

[NC State University](#) released a soil temperature study that shows good news about the spread of corn earworm.

[University of Nebraska](#) researchers have been given the green light to continue E30 ethanol research.

### CAST Social Media

## November 4, 2022

### CAST Annual Meeting

CAST board members, past presidents, and guests convened in Ames, Iowa last week for the CAST 50th Anniversary Annual Meeting. Multiple board and work group meetings were held throughout the week, along with excellent learning opportunities.

Tuesday's program included tours with points of interest for the animal, plant, and food work groups. The groups were also able to tour the Student Innovation Center at Iowa State University and then enjoy a reception in the Sukup Atrium on campus. ISU President Dr. Wendy Wintersteen spoke at the event reflecting on the history of CAST and the continued importance of communicating the science, technology, and innovation so important to food, agriculture, and the environment. Dr. Wintersteen is a former CAST Board of Trustees chair.

*Continued in CAST Updates...*



CAST meeting attendees at Corteva.

### News and Views

**USDA Updates:** The USDA is providing payments of nearly [\\$800 million in assistance](#) to help farmers continue to farm.

### Far Side of the Barn

Visit our website



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

**McRib:** A [University of Nebraska](#) researcher is credited with creating the McDonald's McRib—the food item is on a farewell tour.



## CAST Updates

*Continued from above...*

### CAST Annual Meeting

Wednesday started off with officer reports and remarks from Iowa State University Deans—Dr. Dan Grooms, College of Veterinary Medicine and Dr. Dan Robison, College of Agriculture and Life Sciences. Kent Schescke invited three past EVPs (Dr. Richard Stuckey, Dr. John Bonner, and Linda Chimenti) to join him in a discussion reflecting on the past 50 years of CAST. The lunch program recognized 13 Iowa State University grad students who received the CAST Science Communication Scholarship. The afternoon session featured ISU faculty Dr. Ruth MacDonald and Dr. Rodrigo Tarté on The Future of Protein. On Wednesday evening the group toured Corteva research facilities in Johnston, which was followed by a reception dinner where Iowa Secretary of Agriculture, Mike Naig, spoke on the importance of agriculture, research, and innovation.

The Thursday morning program included presentations by Dr. Lisa Schulte-Moore, ISU, on sustainability and regenerative agriculture. Animal Work Group members Dr. Mohamed El-Gazzar and Dr. Eric Gonder provided an update on lessons learned from the recent High Path Avian Influenza (HPAI) outbreak. The CAST Board of Trustees met and the three work groups finalized their meetings and reports. The closing session included the “passing of the gavel” from Dr. Anna Dilger to Dr. Sally Flis as the incoming CAST President. Thursday afternoon there was an optional tour of the National Centers for Animal Health.

Thank you to Dr. Dwight Tomes, Society for In Vitro Biology representative, for taking photos throughout the annual meeting! Dr. David Baltensperger, CAST President 2020-21, captured the EVP photo.



Thirteen graduate students from Iowa State University received the 2022 CAST Science Communication Scholarship.



Dr. Richard Stuckey, Dr. John Bonner, Linda Chimenti, and Kent Schescke during the EVP's discussion on the past 50 years of CAST.

### Intern with CAST!

Are you looking for an internship for yourself, or know of



someone who might be a great fit? CAST is looking to hire a Communication Intern for spring and summer in 2023. This position can be remote, hybrid, or in-person in Ames, Iowa. The intern will work with the Communication and Social Media Specialist to deliver credible, science-based news about agricultural science and technology through CAST communications. They will help develop new communication strategies and evaluate existing strategies. The position is open for an internship or practicum experience and is designed to meet academic requirements.

The application deadline is **November 11, 2022**. More information about this [opportunity can be found here](#).

## 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. Lonnie J. King, DVM, MS, MPA, Diplomate ACVPM, and Dean Emeritus of The Ohio State University will be presenting the information. Other members of the task force will be participating in a facilitated question and answer session following the presentation.

There are two ways to participate in this discussion. Join CAST and Dr. King in-person on Monday, November 14 in Washington, D.C. at one of three scheduled presentations (9:30 a.m., 12:00 p.m., 2:00 p.m. EST). Or join our free webinar on November 17 at 12:00-1:00 p.m. CST.

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

**Swine Research:** Iowa State University scientists are [leading a new study](#) to mine the intricate content of pigs' blood cells to improve selection for disease resilience.

**OTC Antibiotics:** The FDA's new directive means [over-the-counter \(OTC\) antibiotics](#) will no longer be available through traditional retail channels.

**HPAI:** An HPAI case was found in Iowa in a [non-commercial backyard flock](#)--the last confirmed case in Iowa was on May 2.



**The National Cattlemen's Beef Association's latest podcast covers beef sustainability.**

## Food Science and Safety News

**Snow Crabs:** Alaska [canceled the snow crab season](#) for the first time in the state's history, an enormous blow to the state's iconic fishery

**Milk Cows:** Thanks to technology, dairy farmers are [milking one million less cows](#) than they were in 2007, but are producing the same amount of milk.

**Meat Production:** The USDA FAS released a report stating global pork and chicken [production is forecast to rise next year](#) while beef production is expected to be lower.



**Grapevines may need help to survive heavy spotted lanternfly infestations.**

## *Plant Agriculture and Environmental News*

**Vegetable Oils:** Global output of vegetable oils is set to [increase to new record highs](#) in the 2022/23 crop year.

**Mississippi River:** A [severe drought](#) in the Midwest and High Plains has shrunk the Mississippi River to historic low levels, grounding barges, backing up grain at terminals across the central U.S. The U.S. [could see a loss of \\$20 billion](#) due to issues with the river level.

**Missouri to Kansas:** An agency charged with conserving groundwater in arid western Kansas plans to truck [thousands of gallons of water](#) from the Missouri River nearly 400 miles, almost to the Colorado border.



**California Iceberg, Romaine, and leaf lettuce continue to be [very tight on supplies](#) and will be until sometime after Thanksgiving.**

## *International News*

**China:** China [will boost imports](#) of advanced technology, major equipment, and key components as well as energy and agricultural products that are in short supply.

**Brazil and China:** Chinese customs updated its list of approved Brazilian corn exporters, a move a Brazilian agriculture official said [could jumpstart sales of corn](#) to the world's second-largest economy.

**Europe:** U.S. exports of nitrogen fertilizers [jumped to a multi-year high](#) this summer after surging natural gas prices in Europe drove up costs of producing the crop nutrient there, making U.S. shipments more competitive.



**Ukraine said its exports of [agricultural products have recovered](#) to around prewar levels. Data shows the country shipped 6.9 million metric tons of grain, vegetables, and edible oils last month, almost matching the 7.1 million tons exported in September last year.**

## *General Interest News*

**GE Crops:** The USDA has reported more than 75% of soybean, cotton, and corn [acres are genetically engineered](#).

**Ancient Mars Ocean:** A Penn State University researcher found [new evidence for an ancient northern ocean](#) on Mars via topography maps.

**Christmas Trees:** A national survey revealed there is a simple way to stimulate the feeling of joy in yourself: just breathe in the [olfactory offering of a real Christmas tree](#).



**Satellite smartphones could [answer the call for rural connectivity](#).**

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# *Societies, Companies, and Nonprofit Organizations Serving on the CAST Board of Representatives*

- \* Agricultural & Applied Economics Association
- \* American Association of Avian Pathologists
- \* American Association of Bovine Practitioners
- \* American Bar Association, Section of Environment, Energy, & Resources-Agricultural Management
- \* American Dairy Science Association
- \* American Farm Bureau Federation
- \* American Meat Science Association
- \* American Meteorological Society, Committee on Agricultural and Forest Meteorology
- \* American Seed Trade Association
- \* American Society of Agricultural and Biological Engineers
- \* American Society of Agronomy
- \* American Society of Animal Science
- \* American Society of Plant Biologists
- \* American Veterinary Medical Association
- \* Association of Equipment Manufacturers
- \* Aquatic Plant Management Society
- \* BASF Corporation
- \* Bayer Crop Science
- \* Corteva Agriscience
- \* CropLife America
- \* Crop Science Society of America
- \* 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
- \* 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
- \* Zoetis

*CAST, through its network of experts, assembles, interprets, and communicates credible, balanced, science-based information to policymakers, the media, the private sector, and the public.*

## Members of CAST's Education Program

- \* Cornell University
- \* Iowa State University
- \* University of Arkansas System Division of Agriculture
- \* University of California-Davis

- \* Kansas State University
- \* Mississippi State University
- \* North Carolina Agricultural and Technical State University
- \* North Carolina State University
- \* Penn State University
- \* Purdue University Libraries and School of Information Studies
- \* Texas A&M University College of Ag & Life Sciences
- \* The Ohio State University
- \* Tuskegee University

- \* University of Florida Institute of Food and Agricultural Sciences
- \* University of Illinois College of Agricultural, Consumer and Environmental Sciences
- \* University of Kentucky
- \* University of Missouri-Columbia
- \* University of Nebraska Agricultural Research Division
- \* University of Nevada-Reno College of Agriculture, Biotechnology and Natural Resources

Dylana Luett (Communications and Social Media Specialist)

dluett@cast-science.org

The Council for Agricultural Science and Technology

4420 West Lincoln Way

Ames, Iowa 50014-3447

Phone: 515-292-2125



The Science Source for Food,  
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*\*\* With assistance from Colleen Hamilton (Membership Specialist) and Nick Plaughner (Communications Project Coordinator)*

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**Council for Agricultural Science and Technology**

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