



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.

In This Issue....

- [Animal Agriculture News](#)
- [Food Science & Safety News](#)
- [Plant & Environmental News](#)
- [International News](#)
- [General Interest News](#)

Announcements



A webinar to mark the 3rd United Nation's [International Day of Awareness of Food Loss and Waste](#) will be held on September 29th.

The [Wild Landscapes annual symposium](#) will be held October 15 from 10:00 am to 3:30 pm.

CAST College Corner

[University of Missouri](#) professor secures \$100,000 to update meteorology lab for students.

[North Carolina State University](#) study shows soil temperature can be used to monitor and predict the spread of the corn earworm.

CAST Social Media

Visit our website

September 23, 2022

The Supply Chain and Trains

Last week, the White House brokered an agreement to [avert a railroad strike](#). This is good for the short-term, but may [not fix supply chain](#) issues in the long run.



[Rail transportation is critical](#) for bringing fresh products and livestock feed into the United States.

Railway disruptions with freight, labor shortages, and weather have caused grain orders to go unfilled and left [farmers struggling](#) to make ends meet.

News and Views

USDA Updates: The USDA is investing up to \$2.8 billion in 70 selected projects under the first pool of the [Partnerships for Climate-Smart Commodities](#) funding opportunity.

The USDA announces half a billion dollars to [bring broadband into rural areas](#).

HPAI Outbreak: There are now [40 states](#) with HPAI outbreaks.

Far Side of the Barn

Official Apple: An apple variety born at Cornell University [is now the official apple](#) of a professional



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

football team.
Royal Family and Farms:
Farm owner recalls late Queen Elizabeth II and family [staying on their potato farm](#) in Canada during a centennial celebration in 1970.



The Royal Family [owns a farm](#) consisting of 200 registered Jersey cows, Sussex beef cattle, breeding sows, hens, and thousands of acres for pasture.

CAST Updates

2022 Borlaug CAST Communication Award

The 2022 Borlaug CAST Communication Award will be presented to Dr. Martin Wiedmann, Gellert Family Professor in Food Safety, Food Science at Cornell University, on Wednesday, October 19, 2022, from 7:00-8:30 a.m. The presentation will be made alongside the [World Food Prize Borlaug Dialogue](#) in Des Moines, Iowa. Following the award presentation, Dr. Wiedmann will give a presentation entitled, "Beauty and risk: Thoughts on communicating food safety risks." Anyone attending the World Food Prize that week or residing in Central Iowa is welcome to attend. The in-person event is free to attend but [registration](#) is required. To register and for more information click [here](#).



CAST Internship Opportunity

CAST is hiring a Communication Intern for spring and summer 2023. The Communication Intern works with the Communication and Social Media Specialist to deliver credible, science-based news about agricultural science and technology through CAST communications. This position also works on developing new communication strategies and evaluating existing strategies.

Position is open for an internship or practicum experience and designed to meet academic requirements. Preference will be given to students with an agricultural background, and currently attending a CAST Education Program member institution. Applications should be submitted by November 11, 2022. [More information can be found on the CAST website.](#)

Welcome University of Illinois

CAST is pleased to welcome a new university member. The University of Illinois College of Agricultural, Consumer, and Environmental Sciences (ACES), located in Champaign-Urbana, is home to over 2600 undergraduate and nearly 800 graduate students. Faculty in the College of ACES have expertise in agriculture and the environment, families and communities, and health and wellness, and use cutting-edge technology to solve real-world problems affecting Illinois, the United States, and the globe.



**College of Agricultural,
Consumer &
Environmental Sciences**
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Dr. Anna Dilger, current CAST President and a Professor of Meat Science and Muscle Biology at the university, said, "I am thrilled to be part of this partnership between CAST and the

University of Illinois. CAST is the leading source of sound, unbiased, scientific information for policymakers, the media, and the public. Founded on agricultural roots, ACES remains a leader in the field of production agriculture, while also connecting students and research to every aspect of providing people the nourishment and support they need, as well as mitigating and coping with climate change impacts and environmental issues. This pairing will help to further the missions of both partners.”

Animal Agriculture and Environmental News

Beef and Bison Research: [South Dakota State University](#) will use their \$80 million Climate-Smart grant for beef and bison grazing alongside land management.

Dairy Cow Health: A new University of Illinois study shows rumen-protected lysine can [improve uterine health in dairy cows](#) if fed during the transition period.

Drought: A Kansas State University cow-calf specialist [created a video](#) for producers on tips for feeding cattle during drought.



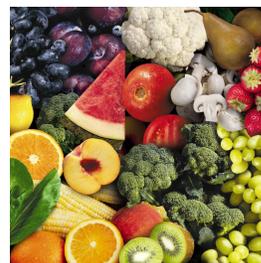
Amidst new USDA partnerships, California dairy researchers will [promote adopting climate-smart manure management practices to reduce methane.](#)

Food Science and Safety News

Illness Study: A link has been found between [food safety myths and illnesses](#). Researchers say being misinformed has health-based consequences.

Beef Study: Nearly three of four beef-eating Americans [can't imagine giving up the taste of beef](#), and 62% of consumers say they purchase premium beef.

Vertical Farms: This podcast discusses controlled-environment agriculture, [usually called CEA](#), as one solution to food-supply, food-safety, and supply-chain challenges.



Fresh fruit has led the August [inflation jumps in food and beverage](#), according to a report that tracks food inflation and its impact on consumer behavior.

Plant Agriculture and Environmental News

Insects: A package of 12 studies by 56 scientists around the globe [lays out the threats to insects](#)—and why it's bad news for Earth.

Land Preservation: A total of 27,000 acres of inland land in Maine is to be set aside for [conservation efforts](#) after being bought for \$18.5 million.



If Florida citrus growers are

Stop the Spread: Penn State Extension gives tips to take action on [preventing herbicide-resistant weeds](#), such as palmer amaranth, in corn and soybean fields.

forced by disease or other pressures to cut back acreage, one [alternative to citrus is pongamia](#).

International News

Rice Restrictions: India is restricting exports of broken rice amid concerns of lower rice production during its [uneven monsoon season](#).

Power Outages: Hurricane Fiona's path has left [Puerto Rico's power grid](#) in shambles. Residents without generators or solar will be left in the dark indefinitely.

Global Food Security: Leaders at the Global Food Security Summit [call for urgent action](#) on food crisis amidst supply chain issues and war.



A new fungicide was announced at [Brazil's Cotton Congress](#). The product will help control various cotton diseases such as ramularia.

General Interest News

Youth Health and Wellness: Del Monte Foods pledges [\\$5 million](#) to "Nourishing Families by Nourishing Schools" program.

Child Meal Program Exploited: Charges were brought against 47 people [accusing them of siphoning \\$250 million](#) from a coronavirus pandemic relief program designed to provide meals for children.

Testing Space Materials: An Iowa State University assistant professor was selected by NASA to study the [performance of different solder joints](#) for future space missions.



As harvest approaches, farm equipment [tires should be checked](#) for air loss after coming out of storage.

Photo Credits

Lead photo courtesy of American Farm Bureau Federation. Rural Broadband photo courtesy of AgriPulse.

Unless otherwise noted, photos courtesy of the USDA Agricultural Research Service, Constant Contact, or CAST.

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

- * 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

- * 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.

- * 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
- * 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 Arkansas System Division of Agriculture
- * University of California-Davis
- * 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,
 Agricultural, and Environmental Issues

*** With assistance from Colleen Hamilton (Membership Specialist) and Nick Plaughner (Communications Project Coordinator)*

CAST provides Friday Notes as a benefit to its members. Please do not forward, edit, copy, or distribute the Notes in any form to nonmembers without the express permission of the CAST CEO/EVP Kent Schescke (kschescke@cast-science.org). Instead, please encourage your colleagues to join CAST and thereby become eligible for all membership benefits. Contact Colleen Hamilton at 515-292-2125 or chamilton@cast-science.org, or [CLICK HERE](#) for CAST membership information.

Council for Agricultural Science and Technology

www.cast-science.org

