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*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 the CAST organization.

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#### Tongue Tied with Desire



This site displays pictures from the [Dog Photographer of the Year](#) contest.

#### Honey Bee News

CAST's informative commentary, focused on [the science of honey bee health, is available here](#). The CAST paper called for more research--a team of ISU researchers recently received a [USDA grant to study honey bees](#).

#### Happy 4th of July



Holiday wishes from staff members at

*June 30, 2017*

## Dr. Adesina, 2017 World Food Prize Laureate

*Respected leader was  
CAST 2010 BCCA winner*



Akinwumi Adesina, the President of the African Development Bank, will be recognized as the [2017 World Food Prize Laureate](#). Through his roles with the Rockefeller Foundation, at the Alliance for a Green Revolution in Africa, and as Minister of Agriculture of Nigeria, Dr. Adesina has been at the forefront of galvanizing political will to transform African agriculture. Kenneth Quinn, president of the World Food Prize Foundation, said the award reflected Adesina's "breakthrough achievements." Dr. Adesina noted, "Making agriculture profitable and 'cool' for young people in Africa is [key to lifting millions out of poverty](#) and stemming migration to Europe."

CAST recognized the abilities of Akinwumi Adesina in 2010 when he was named the Borlaug CAST Communication Award winner. [Check here for related information](#), and scroll down to page two for a look at the "legacy of excellence" created by the BCCA laureates.

## News and Views

**EPA Proposes an End to WOTUS:** Government officials announced they are [proposing a rule that rescinds the Clean Water Act](#), a 2015 regulation that sought to clarify water resource management in the United States and attempted to define "waters of the United States" (WOTUS). Several agriculture groups have [praised this move](#), while some environmental organizations [disagree with the proposal](#).

**Biotech Film Stirs Debate:** The documentary *Food Evolution* provides a stimulating, insightful look at crop genetics, and [it has elicited plenty of response](#). In this article, Kevin Folta discusses these reactions and invites those who malign the film to join him for a debate.

CAST. The next edition of *Friday Notes* will be published on July 14.

### Youth Ag Gathering

Young leaders from around the world will gather for the [Youth Ag Summit in Belgium](#) in October to discuss ideas and work on action plans.

### NC State in Action

From blueberry researchers to zoo veterinarians, North Carolina State [grads are influencing agriculture](#).



Click here for [links to CAST sites](#): Twitter, Facebook, LinkedIn, Pinterest, videos, and blogs.

**Textured Beef--Lawsuit Settled Out of Court:** Representatives from Beef Products Inc. and ABC News say a lawsuit over ABC's use of the term "pink slime" [in reference to lean, finely textured beef](#) has been settled out of court.

**Support for Research:** Jayson Lusk looks at the [federal budget, agricultural research, and comments](#) from the Agricultural and Applied Economics Association.

## News from the Far Side of the Barn

### Day-glow Foods Light Up Social Media

**(video):** The [glow trend seems to be part of a broader focus](#) on food appearance among millennials, augmented by the expectation that foods will show up on Twitter, Facebook, or Instagram.

**Carry-on Luggage with Claws:** TSA authorities were entertained by a passenger [taking a 20-pound live lobster](#) in his luggage at Boston's airport.



**Not sure this is going to fit in the overhead bin.**

**Now That's a Crab! (video):** For a look at some laser-focused determination, check out this [Aussie catching a massive crab by hand](#).

## A Legacy of Excellence

BCCA laureates influence the world of agriculture

If an award includes the words "Borlaug" and "communication," it has to live up to the hype. The [Borlaug CAST Communication Award](#) has done that and more.

The honor is presented annually for outstanding achievement and communication abilities shown by a scientist, engineer, technologist, or other professional working in the agricultural, environmental, or food sectors for contributing to the advancement of science in the public policy arena.

[Jayson Lusk](#), the 2017 winner, uses multiple

forms of media to advocate for science, as he explains how innovation and growth in agriculture are critical for food security and global progress.

All of the laureates have shown that science and research are important, but they also know that communication is essential. They "walk the walk" in various ways as they promote global food security.

[Jayson Lusk](#) (2017)--Department Head, Department of Agricultural Economics, Purdue University

[Kevin Folta](#) (2016)--Chair of the Horticultural Sciences Department at the University of Florida's Institute of Food and Agricultural Sciences

[Channapatna Prakash](#) (2015)--Dean of the College of Arts and Sciences at Tuskegee University

[Alison Van Eenennaam](#) (2014)--Animal Genomics and Biotechnology Cooperative Extension Specialist, Department of Animal Science, University of California-Davis

[Jeff Simmons](#) (2013)--President, Elanco Animal Health

[Carl Winter](#) (2012)--Director of the Foodsafe Program and Extension Food Toxicologist, University of California-Davis

[Catherine Bertini](#) (2011)--Professor, Public Administration and International Affairs, Maxwell School of Citizenship and Public Affairs, Syracuse University

[Akinwumi Adesina](#) (2010)--President of the African Development Bank



## Friday Notes News Categories

Photos courtesy of the Agricultural Research Service (top masthead); TopLatest News (globe at right). P. 1 dog pic from digg.com, flag pic from ragbrai.jpg, Adesina pic from dw.com, and lobster pic from bing.com. Food Sec. tomato pic from dailymoss.com. Plant Sec. airplane pic from agweb.com. Inter. Sec. plant meme from pinterest.com. Gen.Sec. hot dog pic from





## ***Animal Agriculture and Environmental News***

**Biotech Fish (opinions):** After decades of regulatory and legal challenges, AquaBounty [aims to bring genetically engineered salmon](#) to U.S. and Canadian markets next year.

**A View from the Livestock Farm (opinion):** This blogger [wants to clear the confusion](#) about "factory farms," antibiotics, and other livestock issues.

**Caring for Broilers:** Effective vaccination plays an important role in improving both the welfare and economy of breeder and broiler flocks. This [veterinarian focuses on the best practices](#).

**Labeling Meat--Cool or Not?** A legal challenge was issued over the USDA's [decision to revoke country of origin labeling](#) (COOL) for beef and pork. This article [also looks at the controversy](#), and the writer takes sides.

**Pork Markets (opinion):** America's pig [farmers are producing more pork](#) with a 3% jump in production this year. This expert looks at demand and prices.

**Designed for the Heat:** University of Florida scientists are working to breed the "[cow of the future](#)" by studying the more heat-tolerant Brangus cow--a cross between an Angus and a Brahman.

**Big and Buff Chickens--Why?** Chickens today are in fact bigger and grow faster--this site explains this situation, demonstrating how [farmers have worked to create large, healthier chickens](#).

**Built-in Radar?** This specialist is researching the [hypothesis that animals can anticipate natural disasters](#) such as earthquakes.



[Check out this CAST Commentary](#) about *The Science and Regulation of Food from Genetically Engineered Animals*--with a focus on biotech salmon. Note related story at upper left.



## ***Food Science and Safety News***

**Burger Crimes (video):** It's grill time, and this site looks at [five common burger mistakes](#) and how to avoid them. Apparently it's a sin to "spatulate" your juicy burger.





**Poke Is the Hot Trend:** Known as [Hawaii's original street food](#), poke usually consists of diced raw tuna (or some fish) served over rice and mixed greens--with add-ons such as edamame, avocado, seaweed, and toasted nuts.

This video examines [ways to keep tomatoes fresh](#)--including a suggestion to turn them upside down.

**Go Ahead and Sweat It:** Humans have tried to [beat the heat by eating spicy food](#), and some evidence backs this hot theory.

**Smoothies Out of Strawberry Tops?** This foodie says strawberry tops are [safe to eat, healthy, and very flavorful](#).

**USDA Program Helps Monitor *Salmonella*:** Commercial chicken buyers [can now find out how chicken processing plants are doing](#) when it comes to *Salmonella* levels.

**Jail Time for *Salmonella* Outbreak (related to above):** Two egg company [executives were sentenced to serve three months in prison](#) because of a 2010 *Salmonella* outbreak--it is rare that corporate officials are held personally responsible for an outbreak of foodborne illness.

**Fish, Omega 3s, and Arthritis:** Eating fish at least twice a week [may significantly reduce the pain and swelling](#) associated with rheumatoid arthritis, a new study says.



## *Plant Agriculture and Environmental News*

**Saving the Hawaiian Papaya Industry (video):** A plant pathologist at Cornell University helped create a papaya plant that was [genetically resistant to the devastating ring spot virus](#).

**\*\* Chemical Drift Controversy:** The Tennessee Department of Agriculture is investigating at least 27 [alleged dicamba-related drift incidents](#).

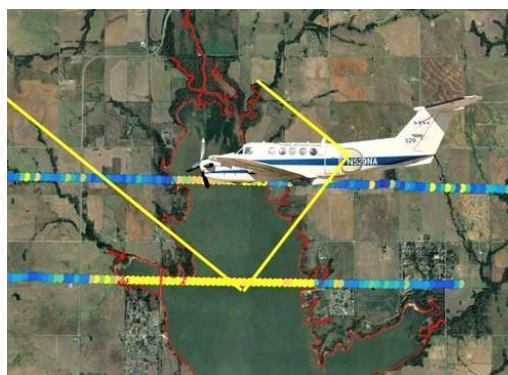
**\*\* Dicamba Issue Focused in Arkansas (related to above):** The controversy has [been most prominent in Arkansas](#). This site provides [information from the Arkansas Department of Agriculture](#).

**\*\* Opposing View to the Dicamba Ban (related to above):** This ag corporation is troubled by the Arkansas State Plant Board's recommendation to "deprive Arkansas farmers of [an important crop protection tool](#)."

**Supporting Monarch Butterflies:** Iowa State University and the Iowa Monarch Conservation Consortium are highlighting multiple options for [restoring monarch breeding habitat](#) in the Midwest.

**Soybean Genetics:** This professor explains how [soybean color sheds light on gene silencing](#)--genes interact to turn off certain traits.

**High-speed Ethanol (audio):** This NASCAR race is used to demonstrate the value of E15--a [low-cost, high-octane fuel powering NASCAR](#) for 10 million miles of competitive racing.



Researchers say this technology could be used by farmers to more [accurately sense subsurface moisture](#) by measuring the reflections from communication satellite signals.



## *International News*

**Drones Planting Trees (video):** An Australian engineer [hopes to use drones to plant one billion trees](#). Drones can plant in areas previously impossible to reach, like steep hills.

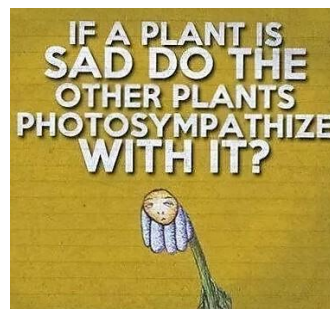
**Farming the Wind:** The world's first [floating wind farm has taken to the seas](#), as five turbines bob in the deep waters of a fjord off the coast of Norway. Some turbines will be towed to Scotland.

**Investing in Aussie Ag:** In the past year, Chinese [investment in Australia's overall agricultural sector](#) has skyrocketed threefold. Chinese companies see this as a way to feed the world's largest consumer class.

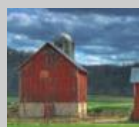
**Price Breaks for Healthy Food?** This British study says [giving consumers a break](#) on fresh produce prices does more to improve peoples' health than taxing unhealthy foods.

**A Glimpse of an Ancient Jurassic Park:** The complete [skeleton of an eight-meter-long dinosaur](#) has been unearthed from marine deposits dating back 72 million years on Japan's northern island of Hokkaido.

**Bugs in Oz:** The University of Adelaide is conducting research to help realize the [potential for edible insects](#) as a food industry in Australia.



A university study in Singapore found that some [plants may selectively kill part of their roots](#) to survive under cold weather conditions.



## General Interest News

**Farmer Strong at 102 (videos):** At [age 6, he steered a four-horse team](#) pulling a harrow. At age 98, he drove grain carts. And now he's checking out precision ag on his smartphone.

**Grilling Gone Bad (video):** This clip provides warnings about the [dangers of cleaning your grill with a wire brush](#)--and it discusses more "palatable" alternatives.

**Who Is the Next Facebook or Amazon of Ag?**

**(opinion):** Considering the buzz about agriculture innovation, this site lists [25 ag-tech start-ups that carry the most potential](#).

**Livestock Auctioneers "Cry Out" a Sale in Barns and**

**Online:** Some of the basics of the livestock auctioneer business haven't changed much, but now [technology has opened it up to online events](#) and the inclusion of genetic information.

**Killing Bacteria the Nano Way:** Agricultural Research Service scientists developed an inexpensive, effective, and environmentally friendly method to [kill bacteria by creating silver nanoparticles](#) inside cotton fibers.

**Egg Evolution:** Scientists have taken a closer look at how bird eggs are shaped--research indicates that [egg shapes evolved as birds themselves evolved](#) for better flight.



The rake technique? Clever--but not recommended. Check here for [profiles of popular gas grills](#).

Check out CAST's page at the [YouTube site](#) to view highly regarded ag-science videos about probiotics, food safety, and water issues--or the latest video dealing with proposed mandatory labeling of GMO food items.



If you have a good idea for a CAST publication, contact us by [clicking HERE for the "Proposal Format"](#) and Background Information Form."

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- \* 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 for Nutrition Nutritional Sciences Council
- \* American Society of Agricultural and Biological Engineers
- \* American Society of Agronomy



- \* American Society of Animal Science
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- \* Entomological Society of America
- \* Innovation Center for U.S. Dairy
- \* Land O'Lakes
- \* Monsanto

- \* National Corn Growers Association/Iowa Corn Promotion Board
- \* National Milk Producers Federation
- \* National Pork Board
- \* North Carolina Biotechnology Center
- \* North Central Weed Science Society
- \* Northeastern Weed Science Society
- \* Poultry Science Association
- \* Society for In Vitro Biology
- \* Soil Science Society of America
- \* Syngenta Crop Protection
- \* The Fertilizer Institute
- \* Tyson Foods
- \* United Soybean Board
- \* Weed Science Society of America
- \* Western Society of Weed Science

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