

Council for Agricultural Science and Technology

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**CAST**<sup>®</sup>

# ANNUAL REPORT 2016

*The Science Source for Food, Agricultural, and Environmental Issues*



*Branching Out  
in New Directions*

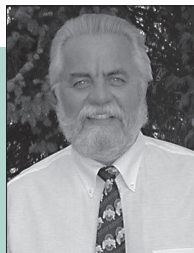
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**American Dairy Science Association:** George Patocka, University of Alberta, Edmonton, Alberta, Canada

**American Meat Science Association:** Anna Dilger, University of Illinois, Urbana

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**American Society for Nutrition:** Kimberly Barnes, West Virginia University, Morgantown

**American Society of Agricultural and Biological Engineers:** Open

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**American Society of Animal Science:** Open

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**Northeastern Weed Science Society:** Daniel Kunkel, Rutgers University, Princeton, New Jersey

**Poultry Science Association:** Michael Hulet, Pennsylvania State University, University Park

**Society for In Vitro Biology:** John Harbell, JHarbell Consulting LLC, Dallas, Texas

**Soil Science Society of America:** Mary Beth Adams, Forest Service, Morgantown, West Virginia

**Weed Science Society of America:** James Kells, Michigan State University, East Lansing

**Western Society of Weed Science:** Brian Jenks, North Dakota State University, Minot

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**Land O'Lakes:** Randy Brown, Winfield, Kearney, Nebraska

**Monsanto:** John Vicini, Monsanto Company, St. Louis, Missouri

**Syngenta Crop Protection:** Carroll Moseley, Regulatory Stewardship, Greensboro, North Carolina

**Tyson Foods:** Lora Wright, Food Safety Quality Assurance, Dakota Dunes, South Dakota

## REPRESENTATIVES OF MEMBER NONPROFITS

**American Farm Bureau Federation:** Bob Young, Economic Analysis Department, Washington, D.C.

**California Dairy Research Foundation:** Gonca Pasin, Davis, California

**CropLife America:** Janet Collins, Science and Regulatory Affairs, Washington, D.C.

**Innovation Center for U.S. Dairy:** Juan Tricarico, Cow of the Future, Rosemont, Illinois

**National Corn Growers Association/Iowa Corn Promotion Board:** David Ertl, Technology Commercialization, Johnston, Iowa

**National Pork Board:** Open

**North Carolina Biotechnology Center:** Paul Ulanich, Biotechnology Crop Commercialization, Research Triangle Park

**The Fertilizer Institute:** Sally Flis, Agronomy, Washington, D.C.

**United Soybean Board:** Charles Cannatella, Melville, Louisiana

*List as of December 31, 2016*

## PRESIDENT

I want to acknowledge another successful year for CAST and thank each of you for your generous support of CAST through your time, talent, and treasure. CAST's success continues because of the diversity of individuals and organizations who believe in CAST's mission to "communicate credible, balanced, science-based information."

I want to thank Dr. Mark Armfelt for his leadership this past year as President and currently as Past President. His efforts have helped move CAST forward as we dealt with creating and implementing a new strategic plan and addressing the trials of remaining relevant in these challenging times.

During 2016, we laid the foundation to publish eight or nine commentaries and issue papers in 2017. As a first for CAST, under contract, we completed a report for the USDA on the impact of asynchronous approvals for biotech crops and participated in a USDA conference call on the rigor of science in peer-reviewed papers. The opportunity to participate in these last two work items came to us because of the reputation that CAST has for honesty and integrity in its work.

These accomplishments align with our strategic plan to be responsive to our stakeholders and provide maximum value to those who support and depend on our services and products. I encourage each of you to frequently review the CAST strategic plan and participate in its implementation. We are making progress that will provide a solid foundation for CAST to continue to be exemplary for many years to come.

Also, I want to recognize and thank the CAST office personnel. Kent Schescke finished his first year as Executive Vice President providing outstanding leadership to the staff and representing us with our external partners and stakeholders. I look forward to many years of Kent at the helm.

Again, let me thank each of you for your efforts in the important work of CAST.

Sincerely,



Richard Cavaletto, Ph.D., PE  
CAST President

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**At the end of 2016, CAST had 24 publications on the forthcoming list.**

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## EXECUTIVE VICE PRESIDENT

Over the past 18 months since I joined CAST, I continue to be impressed, amazed, and humbled by the work of the CAST staff, board members, and many volunteers. These committed individuals are all working tirelessly to help communicate balanced, credible information about the science and technology that is so critical to our food and modern agriculture system. Because of their dedication, hard work, and extraordinary efforts, 2016 was a very successful year for CAST. Thank you to all of our members and supporters for your efforts in making this possible.

Another major contribution to the ongoing and future success of CAST was the reaffirmation and refocus around the 2016–2020 CAST Strategic Plan. The work of developing this plan began in 2015 about the time I joined CAST, and I have had the privilege of working closely with the CAST Board of Directors, Board of Representatives, and Board of Trustees on the development, review, and refinement of the plan. I am very excited as we now move into the implementation phase and begin the critical steps of more closely aligning all of our work around its mission,

vision, and goals. For more information on the strategic plan and the critical areas of focus, see page 5 of this annual report.

One of the most proactive objectives growing out of the strategic plan this past year was the creation of a "Submit an Idea" button on the homepage of the CAST website. We want to strongly encourage our members, as well as other stakeholders, to submit ideas for future publications. If you have not checked out this latest addition, please do so and find out how easy it is to put forward an idea for CAST publication consideration. You may be helping to make a meaningful difference in a vital area of agricultural science communication.

The theme of this year's annual report, "Branching Out in New Directions," builds upon the work and legacy of CAST over many years. We are excited to be at a point in history as an organization that we can begin to take full advantage of social media and other advances in communications—all of which promote our mission of assembling, interpreting, and communicating credible, balanced, science-based information about food and agriculture to policymakers, the media, the private sector, and the public.



Kent Schescke  
CAST Executive Vice President

***"I encourage each of you to frequently review the CAST strategic plan and participate in its implementation."***

— RICHARD CAVALETTI  
CAST PRESIDENT



2016 CAST Board of Directors (from left): Richard Cavaletto, Nancy Reichert, Don Beitz, Dan Gingerich, Kent Schescke, Dirk Drost, Mark Armfelt, Tom Redick, Mark Cochran, and Chris Hostetler (Todd Peterson not pictured).

## BOARD MEETINGS

### Spring Board Meeting

- Syngenta offices in Washington, D.C.
- April 19–21
- Strategic Plan committee meeting and presentation
- Stakeholder reception at CropLife America office
- Courtesy visits

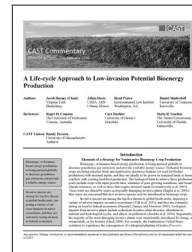
### Fall Board Meeting

- Chesterfield Village Research Center, Donald Danforth Plant Science Center, and St. Louis Community College at BRDG Park in St. Louis, Missouri
- October 25–27
- A panel of Monsanto scientists answered questions following a tour of the corporation’s research facility at the Chesterfield Village Research Center. Panelists included the following: John Vicini (Food Safety Scientific Affairs Lead), Aimee Hood (Regulatory Communications and Information Management Lead), Dan Goldstein (Senior Science Fellow and Medical Sciences and Outreach Lead), and Michael Horak (Weed Resistance Platform Lead)
- Danforth Center speakers included Jim Carrington (President, Donald Danforth Plant Science Center), who gave a short history of the Danforth Center and its mission, and Don Schindler (Senior Vice President of Digital Innovations, Dairy Management Inc.), David Songstad (Past President, CAST, and Director of Research/Cell Biology, Cibus), and Dan Gogerty (Managing Communications Editor, CAST), who each spoke on aspects of social media
- The dinner speaker for the reception and dinner Wednesday evening was Blake Hurst, President of the Missouri Farm Bureau Federation
- Speakers at the BRDG Park SLCC were J. J. Jones and Donna Moening (Center for Food Integrity), who spoke on *Why Values Matter in Science Communication*
- A panel discussion—*Lessons Learned: Leveraging Regional Assets to Build a Robust Agtech Innovation Cluster*—was held during a combined lunch with the St. Louis AgriBusiness Club
- A Board of Directors/Board of Trustees lunch included a conversation with Robb Fraley, the Executive Vice President and Chief Technology Officer of Monsanto

## ROLLOUTS IN 2016

### *A Life-cycle Approach to Low-invasion Potential Bioenergy Production*, CAST Commentary

QTA2016-1, February. *Chair: Jacob Barney, Virginia Tech, Blacksburg.* February 22 rollout and presentations given by Jacob Barney and Read Porter (task force author):



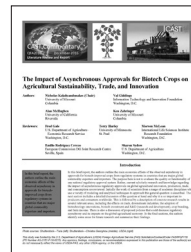
- Senate briefing at the Russell Senate Office Building, Washington, D.C., in the morning
- National Coalition for Food and Agricultural Research

(NC-FAR) “Lunch-N-Learn” seminar at noon in the Longworth Building

- Afternoon presentation cohosted by CAST and the Environmental Law Institute regarding bioenergy and invasive species; additional participants included Aviva Glaser (National Wildlife Federation), Anthony Koop (USDA/APHIS), and Jonathan Jones (USDA/APHIS)

### *The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation*, CAST Commentary

QTA2016-2, December. *Chair: Nicholas Kalaitzandonakes, University of Missouri, Columbia.* December 8 rollout and presentations given by Nicholas Kalaitzandonakes with support from Val Giddings (task force author):



- Senate briefing at the Russell Senate Office Building, Washington, D.C., in the morning
- NC-FAR “Lunch-N-Learn” seminar at noon in the Longworth Building

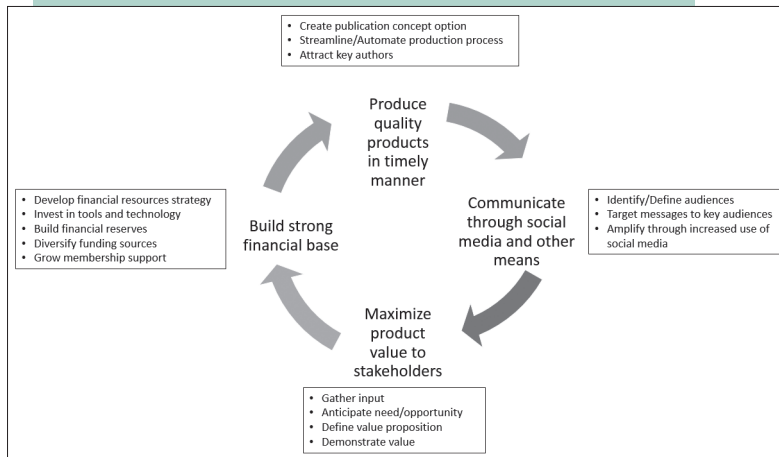
- Afternoon presentation cohosted by CAST and The U.S. Biotech Crops Alliance at the American Farm Bureau Federation Building included a webinar and panel discussion moderated by Veronica Nigh (American Farm Bureau Federation); panelists were Jonathan Cordone (Farm and Foreign Agricultural Services), Andrew Conner (U.S. Grains Council), Bobby Frederick (National Grain and Feed Association), and Matthew O’Mara (The Biotechnology Innovation Organization)



Read Porter, Kent Schescke, and Jacob Barney in Washington, D.C.



Kent Schescke, Nicholas Kalaitzandonakes, Val Giddings, and Andrew Conner (U.S. Grains Council).



Early in 2015, CAST created a Strategic Planning Committee chaired by the president-elect with two representatives from each CAST work group. The process began with a thorough analysis of significant industry, global, and agriculture changes, as well as analysis of key assumptions that should drive CAST's strategy. Input from CAST members and stakeholders was included using information gathered through surveys. The committee defined three major initiatives as core areas of focus for strategic planning. This was presented to and further developed by the CAST Board of Representatives during a special session of the 2015 annual meeting held in October. Strategies to achieve these goals, plus work assignments, timelines, and measurement methods were further defined and refined through the CAST work groups in early 2016.

The final draft of the 2016–2020 CAST Strategic Plan was presented and approved by the Board of Directors during their spring meeting in April 2016.



## BORLAUG CAST COMMUNICATION AWARD

Dr. Kevin Folta, Chair of the Horticultural Sciences Department of the University of Florida's Institute of Food and Agricultural Sciences, was announced as the recipient of the 2016 Borlaug CAST Communication Award (BCCA) at the World Bank in Washington, D.C., on April 21. CAST and DuPont hosted the event, an afternoon that began with a presentation from 2015 BCCA winner Dr. Channapatna S. Prakash titled *Gene-edited Crops: More Palatable to GMO Critics and Consumers?*

A teacher, mentor, researcher, and organizer, Dr. Folta focuses on clear, credible information. He knows how to communicate science to nonscientific audiences—and how to train scientists, farmers, physicians, and students to perform public outreach in scientific or controversial topics.

On October 12, Dr. Folta was honored at a World Food Prize side event where he gave a memorable keynote address: *Unveiling Our Halo—Building Trust with a Concerned Consumer*. After a breakfast sponsored by DuPont, the session began with short remarks by CAST Executive Vice President Kent Schescke and DuPont's Vice President of Research and Development Neal Gutterson. Julie Borlaug Larson of the Norman E. Borlaug Institute for International Agriculture spoke about Folta's communication abilities,



Kevin Folta

saying that her “grandfather would choose Kevin for the award.” Crispin Taylor, Executive Director of the American Society of Plant Biologists, introduced the award recipient.

Dr. Folta's presentation centered on the challenges scientists and the agricultural community have when working with a concerned public. He thinks scientists must explain the evidence-based risks and benefits of agricultural biotechnology, and that can be tough to do in an age of misinformation. “Lead with your ethics—facts by themselves won't work,” said Folta. “We need to listen, explain, and gain their trust by developing a shared understanding.”

*Illumination*, Dr. Folta's blog, covers recent events at the interface between society and science, and his weekly podcast (*Talking Biotech*) discusses genetic improvements in agriculture and medicine. He has designed a communication workshop that teaches scientists how to properly engage a skeptical public.

The morning also included a presentation by Amit Dhingra as task force chair of the forthcoming Agricultural Innovation series keynote paper, “Technologies on the Shelf.” Todd Peterson, a business development expert with Sustain (a Land O'Lakes company), introduced Dr. Dhingra and went on to moderate a panel discussion among Folta, Dhingra, Neal Gutterson, and Sally Rockey (Executive Director, Foundation for Food and Agriculture Research).



Neal Gutterson, Sally Rockey, Kevin Folta, Amit Dhingra, and Todd Peterson



Julie Borlaug Larson and Kevin Folta

### KEY

- ◇ Lifetime Member
- Millennium Club
- President's Club
- ▲ Friends of CAST Individual Member (includes retired and student)
- ♥ Loyalty Member (≥10 years of annual giving)

List as of December 31, 2016

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 Hudson Kelley, Pike Road  
 Jacqueline Nix, Prattville  
 Channapatna Prakash, Tuskegee ◇  
 Harry S. Prim, Jr., Gordon ◇  
 Jean Weese, Auburn  
 Stanley Wilson, Auburn ◇

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 Roger D. Howard, Fountain Hills ◇  
 Charles R. Krueger, Mesa ◇  
 Gary Marchant, Tempe  
 W. Gerald Matlock, Tucson ♥  
 Richard E. Stuckey, Surprise ◇  
 Kai Umeda, Tempe ♥

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 Mark Cochran, Little Rock  
 David Gealy, Stuttgart  
 Marei Houper, Fayetteville  
 Clifford S. Snyder, Conway  
 Samuel H. Weaver, Bella Vista ♥  
 Robert N. Wiedenmann, Fayetteville

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 M. J. Bakke, Clovis ◇  
 Claude Brown, Lodi ◇  
 Janet Caprile, Pleasant Hill  
 Fred M. Carasso, Van Nuys ◇  
 Richard Cavaletto, San Luis Obispo ◇  
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 Yuanhui Fu, Walnut  
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 Franz R. Kegel, Stockton ♥  
 Charles M. Lawrence, Eureka ♥

Peggy G. Lemaux, Berkeley ♥  
 John Madsen, Davis ♥  
 Gary Markegard, Fortuna ♥  
 Pamela Gail Marrone, Davis ♥  
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 James W. Oltjen, Winters ♥  
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 Joe Traynor, Bakersfield ♥  
 Alison Van Eenennaam, Davis ◇  
 Carl Winter, Davis ◇  
 Broc G. Zoller, Kelseyville ♥

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 Stephen Del Grosso, Fort Collins  
 Franklyn Garry, Fort Collins ♥  
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 Wayne F. Keim, Fort Collins ◇  
 E. Gordon Kruse, Fort Collins ♥  
 W. Dennis Lamm, Wellington ♥  
 Delbert Miles, Greeley ♥  
 Jerry Olson, Fort Collins ♥  
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 Sally Flis, Washington  
 Teresa A. Gruber, Washington ◇  
 Hans R. Herren, Washington ◇  
 Peter B. Hutt, Washington ♥  
 Ellen Levinson, Washington  
 Jim Palmer, Washington  
 Mary Pat Raimondi, Washington  
 Kimberly Reed, Washington

David Schmidt, Washington ♥  
 Jill Schroeder, Washington ♥  
 Robert Thompson, Washington  
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 Bobby Darst, Tavernier ◇  
 Kevin Folta, Gainesville ◇  
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 Gail E. Mahnken, Gainesville ♥  
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 Harry J. Mersmann, Palm Harbor ♥  
 Lorraine Mott, Gainesville ◇  
 Gilberto Olaya, Vero Beach ♥  
 Bill Orendorff, Bradenton ♥  
 Kailash Purohit, Lake City ◇  
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 Clayton S. Williams, Fort Myers ◇

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Jeffrey Wolt, Ames ♥  
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Merlin Lindemann, Nicholasville  
Derek Nolan, Lexington  
Douglas Overhults, Princeton

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Kenneth W. McMillin, Baton Rouge ◇  
W. Allen Nipper, Addis ♥

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Catherine W. Ernst, East Lansing ♥  
Russell Freed, East Lansing ♥  
Harold D. Hafs, Davison ◇  
James L. Herbert, Lansing ♥  
Lee W. Jacobs, East Lansing ◇  
James Kells, East Lansing  
Dean Krauskopf, Parma  
Donald Penner, East Lansing ♥  
Atrejui Rayborn, Paw Paw  
J. William and Carolyn Thomas, East Lansing ◇

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Michael Brumm, North Mankato ♥  
Francis Busta, Roseville ◇  
Vernon Cardwell, St. Paul ◇  
H. H. Cheng, St. Paul ◇

Charles J. Clanton, St. Paul ♥  
David Craigmile, Boyd  
Gregory Dahl, Eagan  
Jerome Franckowiak, Ham Lake  
Burle G. Gengenbach, St. Paul ♥  
Larry Jacobson, St. Paul  
Kevin A. Janni, St. Paul ◇  
Alan Krysan, Lakeville  
Hongjian Lin, St. Paul  
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Cynthia K. Moen, Windom ♥  
R. Vance Morey, Roseville ♥  
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Patric Pehrson, St. Peter  
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Howard Rines, Shoreview ♥  
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Mark Wrucke, Farmington

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Johnie Jenkins, Starkville  
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Brett H. Bussler, St. Louis ♥  
Will D. Carpenter, Chesterfield ◇  
Harold D. Cleberg, Kansas City ◇  
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Edgar Figueroa Jalobitskaia, O'Fallon  
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Chris Knight, St. Louis ◇  
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Z. B. Mayo, Lincoln ♥  
Kale Mueller, Hickman  
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Markus Andres, Chapel Hill ♥  
Garth W. Boyd, Holly Ridge ◇

### KEY

- ◇ Lifetime Member
- Millennium Club
- President's Club
- ▲ Friends of CAST Individual Member (includes retired and student)
- ♥ Loyalty Member (≥10 years of annual giving)

List as of December 31, 2016

Harold Coble, Cary ◇  
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 Dirk Drost, Greensboro ◇  
 E. James Dunphy, Raleigh ♥  
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 Walter Fehr, Chapel Hill ◇  
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 Joseph F. Schuh, Raleigh ♥  
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Mark Armfelt, Gambier ◇  
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 Austin Clark, Columbus  
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 Daniel Gingerich, Lebanon ▲  
 K. Fred Gingrich II, Ashland  
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 Ellen Yoakam, Ashland  
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 Billy R. Clay, Stillwater ♥  
 William C. Edwards, Stillwater ♥  
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 John Fenderson, Stillwater ♥  
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 Willie Weeks, Stillwater

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Loydee S. Stonebrink, Rickreall ◇  
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 David Galligan, Kennett Square  
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 Catherine Thurston, Lake Ariel  
 Ellen Thurston, Lake Ariel  
 Lester Vough, Hanover ♥  
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 Kurt M. Walker, Somerset ♥  
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 Joseph D. Eifert, Blacksburg ♥  
 Robert Evans, Harrisonburg  
 Barbara Glenn, Arlington  
 Alan Grant, Blacksburg  
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 Candi Kelly, Blacksburg ◇  
 Robert Maybury, Falls Church  
 Thomas W. Orme, Purcellville ◇  
 Ronald Pearson, Blacksburg ◇  
 J. Richard Storey, Williamsburg ◇  
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 Bal Krishen Bhat, Seattle ♥  
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 Alvin L. Young, Cheyenne ♥

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 Leslie Ballentine, Toronto, ON  
 Stan Benda, Toronto, ON  
 Tim Blackwell, Elora, ON ♥  
 Charles Gracey, Ancaster, ON

Robert Hall, Guelph, ON ◇  
 David Hume, Guelph, ON  
 Paul Lague, Baie d'Urfe, QC ♥  
 Michael McGee, Calgary, AB  
 Diane McLean, Carleton Place, ON  
 Lorna Michael-Butler, North Saanich, BC ◇  
 John Mitchell, Hamilton, ON ◇  
 Arnold B. Pierce, Calgary, AB ♥  
 John Vanderstoep, Surrey, BC ♥

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Prabhaker Reddy Ginuga,  
 Hyderabad, Telangana  
 Samir Singh, Dhanbad, Jharkhand

### KENYA

Buke Galma, Nairobi

## MEXICO

Francisco Mayorga, Guadalajara

## NETHERLANDS

Leon Gorris, Vlaardingen

## NIGERIA

Akin Adesina, Abuja ◇

## PAKISTAN

Muhammad Hassan, Faisalabad,  
 Punjab  
 Ghulam Mustafa, Faisalabad, Punjab

## SOUTH AFRICA

Khanyisa Ndleve, Johannesburg

## SPAIN

Evan Marks, Burgos

## UNITED KINGDOM

Kevin Moran, Harrogate, North  
 Yorkshire ♥

# CAST®

## INDIVIDUAL MEMBERSHIP OPTIONS

- **Lifetime Member:** \$2,500/contribution or pledge
- **Millennium Club:** \$1,000/calendar year
- **President's Club:** \$500/calendar year
- **Friends of CAST:** \$250/calendar year
- **Individual Member:** \$100/calendar year
- **Retired Member:** \$60/calendar year
- **Student Member:** \$0/calendar year

## BENEFITS OF MEMBERSHIP

- With your generous support, CAST will continue to strengthen its position at the international forefront of science communication.
- Receive *Friday Notes* and electronic newsletters.
- Receive CAST's publications and "members only" website access.
- CAST is a qualified 501(c)(3) tax-exempt organization. Therefore, your membership may qualify as charitable contributions under IRS guidelines.

Join online today @ [cast-science.org](http://cast-science.org).

## BOARD OF TRUSTEES UPDATE

Members of the CAST Board of Trustees include the following:

- Mark Cochran (Chair)—Vice President for Agriculture, University of Arkansas System, Little Rock, Arkansas
- Julie Borlaug Larson—Associate Director, Borlaug Institute of International Agriculture, Texas A&M University, College Station, Texas
- Claude Brown—President, Ag Industrial Manufacturing Inc., Lodi, California
- Nancy Cox—Dean, College of Agriculture, University of Kentucky, Lexington, Kentucky
- James Greenwood—President and CEO, Biotechnology Industry Organization, Washington, D.C.
- Craig Hill—President, Iowa Farm Bureau Federation, West Des Moines, Iowa
- Stanley Johnson—Assistant to the Dean for Special Projects, College of Agriculture, University of Nevada, Reno, Nevada
- Ken Roberts—Director, International Business Relations, Mondelēz International, Washington, D.C.
- Gary Thompson—Associate Dean for Research/Graduate Education Director, PA Agricultural Experiment Station, Penn State College of Agricultural Science, University Park, Pennsylvania

***During 2016, CAST grew by four organizational members and two upgrades to the board level.***

## MEMBER SOCIETIES

American Association of Avian Pathologists  
 American Association of Bovine Practitioners  
 American Bar Association, Section of Environment, Energy, and Natural Resources—Agricultural Management  
 American Dairy Science Association  
 American Meat Science Association  
 American Meteorological Society, Committee on Agricultural and Forest Meteorology  
 American Society for Nutrition Nutritional Sciences Council  
 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  
 Aquatic Plant Management Society  
 Crop Science Society of America  
 Entomological Society of America  
 North Central Weed Science Society  
 Northeastern Weed Science Society  
 Poultry Science Association  
 Society for In Vitro Biology  
 Soil Science Society of America  
 Weed Science Society of America  
 Western Society of Weed Science

## ASSOCIATE SOCIETIES

American Association of Veterinary Laboratory Diagnosticians  
 Association of American Veterinary Medical Colleges  
 Midwest Poultry Federation  
 Ohio Dairy Vets  
 Philadelphia Society for Promoting Agriculture

## EX OFFICIO MEMBERS

Agricultural Institute of Canada  
 National Coalition for Food and Agricultural Research

## COMPANIES AND COOPERATIVES

Bayer CropScience  
 Campbell Scientific, Inc.  
 Coca-Cola Company  
 Compliance Services International  
 Dow AgroSciences, LLC

DPI Global  
 DuPont  
 Elanco Animal Health  
 Feed Energy Company  
 GROWMARK, Inc.  
 Hoard's Dairyman Magazine  
 ISK Biosciences Corporation  
 Land O'Lakes  
 McGregor Company  
 Merck Animal Health  
 Monsanto  
 Morning Star Company  
 Page & Pedersen International, Ltd.  
 PotashCorp  
 Riceland Foods Foundation  
 Syngenta Crop Protection, Inc.  
 The Andersons, Inc.  
 Tyson Foods, Inc.  
 Van Diest Supply Company  
 Zeigler Bros., Inc.

## NONPROFIT ORGANIZATIONS

Agribusiness Association of Iowa  
 American Farm Bureau Federation  
 American Registry of Professional Animal Scientists  
 American Sheep Industry Association  
 American Society of Sugar Beet Technologists  
 Animal Agriculture Alliance  
 Animal Health Institute  
 Association of American Plant Food Control Officials  
 Association of Texas Soil and Water Conservation Districts  
 Biotechnology Innovation Organization  
 California Citrus Quality Council  
 California Dairy Research Foundation  
 California Farm Bureau Federation  
 Council for Biotechnology Information  
 CropLife America  
 Farm Foundation  
 Illinois Crop Improvement Association  
 Indiana Crop Improvement Association, Inc.  
 Indiana Horticultural Society  
 Indiana Soybean Alliance  
 Innovation Center for U.S. Dairy  
 International Plant Nutrition Institute  
 Iowa Beef Industry Council  
 Iowa Corn Promotion Board  
 Iowa Farm Bureau Federation  
 Iowa Pork Producers Association

Mid America CropLife Association  
 National Alfalfa & Forage Alliance  
 National Association of Animal Breeders  
 National Chicken Council  
 National Corn Growers Association  
 National Cotton Council of America  
 National Grain and Feed Association  
 National Pork Board  
 National Renderers Association  
 North Carolina Biotechnology Center  
 Pennsylvania Pork Producers Council  
 Rice Research Board  
 Southern Crop Production Association  
 Texas Cattle Feeders Association  
 The Fertilizer Institute  
 United Soybean Board  
 United States Animal Health Association  
 U.S. Poultry and Egg Association, Inc.  
 Virginia Farm Bureau Federation  
 Wyoming Farm Bureau Federation

## SUBSCRIBERS

Brigham Young University—Harold B. Lee Library  
 California Department of Pesticide Regulation Library—Registration Resource Library  
 Canadian Agriculture Library  
 Clark University—Kasperson Library  
 Colorado State University Libraries  
 Dalhousie University—MacRae Library  
 Iowa State University—Parks Library  
 North Carolina State University—Hunt Library  
 Purdue University Libraries  
 South Dakota State University—Hilton M. Briggs Library  
 Texas A&M University—Evans Library  
 Texas Tech University Libraries  
 Université Laval  
 University of California—Berkeley Library  
 University of California—Davis Library  
 University of Georgia Libraries  
 University of Guelph—McLaughlin Library  
 University of Illinois Library  
 University of Maryland—McKeldin Library  
 University of Minnesota Libraries

University of Tennessee—John C. Hodges Library  
 University of Wisconsin at Madison—Steenbock Memorial Library  
 Wageningen University and Research Centre Library

## EDUCATIONAL PROGRAMS

California Polytechnic State University  
 Cornell University  
 Iowa State University  
 Kansas State University  
 Land O'Lakes, for support of National Association of Agricultural Educators  
 Mississippi State University  
 North Carolina State University  
 Texas A&M University  
 The Ohio State University  
 University of Arkansas Division of Agriculture  
 University of California—Davis  
 University of Florida  
 University of Kentucky  
 University of Nebraska  
 University of Nevada

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American Farm Bureau Federation  
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 CropLife America  
 DuPont  
 Environmental Law Institute  
 Innovation Center for U.S. Dairy  
 Iowa Farm Bureau  
 Land O'Lakes  
 Mid America CropLife Association  
 Monsanto  
 National Corn Growers Association  
 National Pork Board  
 St. Louis Community College Center for Plant & Life Sciences  
 Syngenta  
 Texas A&M Soil and Crop Science Department and Texas A&M AgriLife  
 The U.S. Biotech Crops Alliance  
 The World Bank  
 Tyson Foods  
 United Soybean Board  
 USDA—Agricultural Research Service  
 USDA—Animal and Plant Health Inspection Service  
 USDA—Foreign Agricultural Service

# 2016 REVENUE SOURCES



# 2016 EXPENSES

### PROGRAM SUPPORT 37%

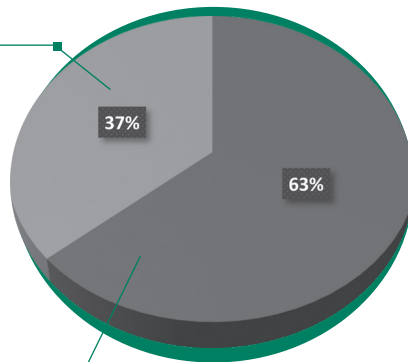
- 5% Borlaug CAST Communication Award
- 15% Unrestricted Fund
- 1% Designated Publication Support

### GOVERNMENT GRANTS

- 3% CRIS Grant
- 5% ARS and APHIS Grants
- 8% FAS Contracts

### MEMBERSHIP 63%

- 5% Individual Memberships
- 30% Company Memberships
- 10% Nonprofit Memberships
- 10% Education Memberships
- 8% Society and Associate Society Memberships



### DEVELOPMENT EXPENSE 7%

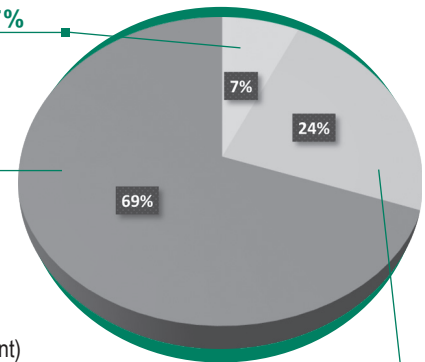
- 7% Membership Recruiting and Payroll

### ADMINISTRATIVE EXPENSE 69%

- 52% Payroll Salaries Expense
- 15% Office Expense
- 2% Depreciation Expense
- <1% Compensated Benefits (Professional Improvement)

### PROGRAM EXPENSE 24%

- 15% CAST Publication Payroll
- 2% Borlaug CAST Communication Award Payroll
- 3% Direct Publication Expenses
- 4% Travel: Officers, Staff, BCCA, Publications, and Other



## SOCIAL MEDIA



Blog: [cast-science.blogspot.com](http://cast-science.blogspot.com)



Facebook: [facebook.com](http://facebook.com) (search for CAST)



LinkedIn: [linkedin.com/company/council-for-agricultural-science-and-technology-cast](http://linkedin.com/company/council-for-agricultural-science-and-technology-cast)



Pinterest: [pinterest.com/castagscience](http://pinterest.com/castagscience)



SchoolTube: [schooltube.com/user/CAST](http://schooltube.com/user/CAST)

Twitter: [twitter.com/CASTagScience](http://twitter.com/CASTagScience)



Website: [cast-science.org](http://cast-science.org)



YouTube: [youtube.com/user/CASTagScience](http://youtube.com/user/CASTagScience)

*The number of followers for CAST's Twitter account moved past the 5,500 mark during 2016.*

*During 2016, CAST's blog averaged nearly 70 visits a day, and it passed the overall 100,000 mark.*

*The "CAST CATCH of the DAY" feature averaged more than 80 visits a day during 2016, with certain stories reaching more than 1,000 total hits.*



2016 CAST spring staff (from left): Hannah Pagel, Colleen Hamilton, Carol Gosteale, Gale Osborne, Kent Schescke, Melissa Sly, Dan Gogerty, Kelsey

Faivre, Kayla Chalfant, Andee Hammen, Mikayla Dolch (top inset) joined CAST during the summer, and Ellen Jasper (bottom inset) came to us in the fall.



## CONTACT



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4420 West Lincoln Way  
Ames, IA 50014-3447

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Alex Mazilu/Shutterstock.com



## MISSION

**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.**



CAST 2016 website visits

## VISION

**A world where decision making related to agriculture and natural resources is based on credible information developed through reason, science, and consensus building.**

