2014 Congressional Visits Day

Presented by:
American Society of Agronomy
Crop Science Society of America
Soil Science Society of America

March 24-25, 2014
2014 ASA, CSSA & SSSA Congressional Visits Day

Sunday, March 23

Travel from airport by metro or cab to:

The Dupont Circle Hotel
1500 New Hampshire Ave. NW
Washington, DC 20036
(202) 483-6000
“Dupont Circle” metro stop (red line)

Dinner:
On your own. If you would like to have dinner with other CVD participants, meet in the hotel lobby at 6:30p.m. This is not an organized dinner, but rather a casual opportunity to meet your fellow CVD participants. We recommend breaking into groups of 6-8. Dinner suggestions are listed below (see map)

- **BGR the Burger Joint**
  1514 Connecticut Ave NW
  Washington, DC 20036

- **Zorba's Cafe**
  1612 20th St NW
  Washington, DC 20009

- **Sweetgreen**
  1512 Connecticut Ave
  Washington, DC 20036

- **Luna Grill and Diner**
  1301 Connecticut Ave NW #1A
  Washington, DC 20036

- **The Front Page**
  1333 New Hampshire Ave NW
  Washington, DC 20036

- **The Dupont Circle Hotel Restaurant**

- **ShopHouse Southeast Asian Kitchen**
  1516 Connecticut Ave NW
  Washington, DC 20036
Monday, March 24

Breakfast:
On your own. Breakfast suggestions (see map)

<table>
<thead>
<tr>
<th>Starbucks</th>
<th>Le Pain Quotidien</th>
<th>The Dupont Circle Hotel Restaurant</th>
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<tbody>
<tr>
<td>1501 Connecticut Ave NW</td>
<td>2000 P St NW</td>
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<td>Washington, DC 20036</td>
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<thead>
<tr>
<th>Panera Bread</th>
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<td>1350 Connecticut Ave NW</td>
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<td>Washington, DC 20036</td>
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Meet in hotel lobby at 8:30 a.m. to travel by metro to:
American Association for the Advancement of Science headquarters (see map)
1200 New York Ave NW, Washington, DC 20005 – “Metro Center” metro stop
2nd floor conference room (Abelson/Haskins)

9:00 a.m. – 9:30 a.m. Welcome – Ellen Bergfeld, CEO, Agronomy, Crops and Soil Science Societies
Karl Anderson, Director of Government Relations
Introductions

9:30 a.m. – 10:30 a.m. Dr. Sonny Ramaswamy, Director, USDA NIFA
2013 SSSA Presidential Award presentation

10:30 a.m. – 10:45 a.m. Break

10:45 a.m. – 11:30 a.m. Budget Overview and Advocacy Training – Karl Anderson

11:30 a.m. – 12:00 p.m. Congressional Science Fellow Panel:
Jennifer Burks, 2014 ASA, CSSA, & SSSA Congressional Science Fellow,
Sen. Mazie Hirono (D-HI)
Lakisha Odom, 2014 Executive Branch Fellow, USDA
Q&A

12:00 p.m. – 1:00 p.m. Lunch
Kira Mock, Program Manager for the AAAS Energy, Environment, and Agriculture Fellowship Program
Future Leaders in Science Award presentation
1:15 p.m. – 1:30 p.m.  Materials Intro and Social Media Demonstration – Julie McClure
1:00 p.m. – 1:15 p.m.  Mock Meeting Demonstration
1:30 p.m. – 2:15 p.m.  Group Meeting Practice
2:30 p.m. – 3:30 p.m.  Leave AAAS headquarters, travel to Hart Senate Building by metro
3:30 p.m. – 5:00 p.m.  National Ag Day Congressional Event
Farm to Fork Politics: An insider’s look at the year ahead for food & agriculture
902 Hart Senate Building – “Union Station” metro stop
5:00 p.m. – 6:00 p.m.  National Ag Day Reception
902 Hart Senate Building
7:30 p.m.  Dinner: Buca Di Beppo
1825 Connecticut Ave NW
Washington, DC 20009

**Tuesday, March 25**

8:00 a.m. – 9:00 a.m.  Meet with group members in hotel lobby to travel to Capitol Hill by metro
(exact meeting time, to be determined by group)
9:00 a.m. – 4:30 p.m.  Congressional Office Meetings
(lunch will be determined by your group based on your schedule)
4:30 p.m. – 5:00 p.m.  CVD Debriefing
*Longworth House Office Building, Longworth Cafeteria, room B-223*
5:00 p.m. – 7:00 p.m.  National Association of Conservation Districts Congressional Reception
*Longworth House Office Building, Agriculture Committee Room, room 1300*
APPROPRIATIONS PROCESS

February: President submits his budget proposal to Congress

March – April 15: Congress passes its own budget

The leadership of the Appropriations Committees then divides the top line funding number provided by Congress's budget amongst the 12 appropriations subcommittees

March – April: Appropriations Subcommittees hold hearings

Summer – Fall: Conference committees reconcile differences between the House and Senate versions of the appropriations bills

May – July: House votes on appropriations bills and sends them to the Senate

July – September: Senate votes on appropriations bills

October 1: New fiscal year begins. If appropriations bills remain unfinished, then Congress must pass a continuing resolution (this is necessary to keep the government running).

Fall: House and Senate vote on final appropriations bills and President vetoes or signs them into law
FY 2015 Budget Numbers for ARS and AFRI

<table>
<thead>
<tr>
<th>Agency - Program</th>
<th>FY13 Final</th>
<th>FY14 Final</th>
<th>President’s FY15 Request</th>
<th>House FY15</th>
<th>Senate FY15</th>
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<tbody>
<tr>
<td>USDA – AFRI</td>
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</tr>
<tr>
<td>U.S. Department of Agriculture - Agriculture &amp; Food Research Initiative</td>
<td>$275 million</td>
<td>$316 million</td>
<td>$325 million</td>
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<tr>
<td>USDA - ARS</td>
<td></td>
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<tr>
<td>U.S. Department of Agriculture - Agricultural Research Service</td>
<td>$1.017 billion</td>
<td>$1.122 billion</td>
<td>$1.104 billion</td>
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**The “Ask”**

For FY15, we’re asking for at least:

- **$360 million for AFRI**
  - 15% increase over FY14
  - Same percent increase as FY14
  - Bring closer to the goal of $700 million (authorized level)

- **$1.149 billion for ARS**
  - 2.4% increase over FY14
  - Keeps up with the rate of inflation
Congressional Visits Day Meeting Guidelines

- At scheduled meeting time, enter Congressional office, hand the staff assistant your business card and tell them you have a meeting. Include the time of your meeting and staffer’s name with whom you are meeting.
- Once you meet the member and/or staffer, thank them for their time. Lead constituent then introduces themselves including name, title, affiliation (institution). All attendees then introduce themselves.

Talking Points:

- Tell member and/or staffer that you are here to talk about research funding at USDA specifically,
  1. the intramural research program - Agricultural Research Service (ARS)
  2. the extramural research program - Agriculture and Food Research Initiative (AFRI)
- The combination of intramural and extramural research programs allows USDA to support long term research projects AND new and emerging issues in food and agriculture science. That’s why we are asking for support for both programs.
- ARS funding decreased for several years (see graph on “Ask”), but received an increase last year. We want to maintain ARS funding at a level that keeps up with inflation.
- AFRI is authorized to be funded up to $700 million, but is currently funded at $316 million. Last year Congress increased AFRI funding by 15% (see graph on “Ask”), we want to continue this momentum.
- AFRI consistently receives more proposals of scientific merit than it can fund. For example, in FY2011, 1,308 proposals were recommended for funding, but AFRI could only award funding for 331 proposals. That means we’re funding less than \( \frac{1}{3} \) of the exceptional research proposals!
- Use a short anecdote or tell a story that illustrates the value of ARS and/or AFRI.
  1. This is a good place for you to give a brief description about your research and the potential impacts/outcomes of it.
  2. You can also describe the economic impacts: jobs created, money coming back to the district/state. Use the state facts sheets here, they have lots of good data that shows the impacts of agriculture research in a specific state.
- Make the “Ask”. We urge Congress to continue support ARS at $1.149 billion and AFRI at $360 million for FY 2015. Wait to see if they have questions or comments about the “Ask”.
- Even if you are not scheduled to meet with the member of Congress in person, ask if they are in the office and available for a quick photo. (Sometimes this can get you a minute or two of face-to-face time!) Make sure to get a photo if you are meeting with the member of Congress.
- Thank member/staffer for their time.
Effective Communications with Congress

Meeting with a Member of Congress or congressional staff is a very effective way to convey a message about an issue such as the importance of supporting funding for USDA Agricultural Research Service (ARS) and Agriculture and Food Research Initiative (AFRI). The meeting also offers you the opportunity to develop a long-term relationship with your Congressional delegation.

Meeting Guidelines

1. **Dress appropriately.** Follow the DC dress code. Business attire is the norm on Capitol Hill.

2. **Be on time and be prepared to wait.** Changes in the legislative calendar and office activity often means Members and their staff are dealing with multiple meetings. Be flexible, it’s not a sign of disrespect if you end up having your meeting in the hallway. Space is very limited in Congressional offices.

3. **Be prepared and succinct.** Most meetings can last only about 10 minutes so plan on getting to the point quickly.

4. **Use a short anecdote or offer facts** that illustrate the value of ARS and/or AFRI. Ideally, economic impacts, e.g., jobs created, money coming back to the district/state. Answer the “so what?” or “why should I care?” question.

5. **Limit the presentation.** If coming in as a group, select a spokesperson (should always be a constituent) and a common strategy to come across as a cohesive team. Not everyone participating in the meeting needs to speak to get the talking points across, but complementary examples across the disciplines are valuable.

6. **Don’t monopolize the conversation and don’t patronize or complain** to the Member or staff. Remember you are part of a team of scientists with the common goal of encouraging support for science research and education.

7. **Follow-up** the meeting with a thank-you letter to the Member and staffer and offer to be a source of information in the future.
Team Leader Responsibilities

During Your Congressional Visit...

- Before you go into each office, remind your team if this Member is on any relevant committees.
- Make sure each participant introduces themselves and that someone (preferably the constituent) says why your group is here (for the ASA, CSSA & SSSA Congressional Visits Day).
- Take notes, especially if there is anything the member and/or staffer wants follow-up information on. Write down any questions that are asked (especially ones that you couldn’t answer). If you are the constituent, assign another group member as the note taker.
- Be aware of the time, especially if you have another meeting soon after. If you’re getting short on time, gently wrap up the conversation and tell the staff members you will follow up on any questions they have.

After Your Congressional Visit...

- After all Hill meetings are completed, please fill out Hill Visits Record (one per visit). This will help the Science Policy Office to establish continue to build a relationship with this office.

- After you return from your visit coordinate with your team members to send follow-up thank-you letters to the staff and members. The DC staff will provide you with a template for drafting thank you notes. Thank-you notes should be faxed to members and emailed to staff and:
  o Include relevant points discussed
  o Respond to any informational requests
  o Remind them—you are their resource

- Semi-Annual Contact
  o Contact your Congressional delegation on a semi-annual basis (at a minimum).

Remember to coordinate your activities with the Science Policy Office
2014 ASA, CSSA & SSSA Congressional Visits Day  
#SupportAgResearch

Sample tweets:

On the Hill today asking @RepLynnJenkins to support funding for food and #ag research at the @USDA! #SupportAgResearch

#Ag scientists help feed the world. @SenatorBurr, show your support for @USDA research in the FY15 budget! #SupportAgResearch

Talking to @CongHuelskamp about the importance of @USDA research. Food safety, natural resources, clean energy! #SupportAgResearch

In DC telling @BilbrayCA50 about the #research I do at @KState! #SupportAgResearch

@ASA_CSSA_SSSA members are on the Hill today talking about the importance of #research at @USDA ARS & AFRI! #SupportAgResearch

@ASA_CSSA_SSSA  
@SSSA_soils  
@USDA  
@USDA_NIFA  
@USDA_ARS

Feel free to change these around, just make sure to include #SupportAgResearch

Sample Facebook post:

Met with @<insert Congress member name> to discuss the importance of @U.S. Department of Agriculture #research. Nice to be representing scientists and @<insert university name> on the Hill. Science advocacy in action! #SupportAgResearch
## Congressional Visits Day 2014 - Group Assignments

### Group One:
- Jan Hopmans (Group Leader)
  - University of California-Davis
  - Leadership
- Erin Arms
  - University of California-Davis
  - Student
- Patrick Dosier
  - CCA (California)
  - CCA

### Group Two:
- Peter Narby
  - University of California-Davis
  - Student
- Allan Romander
  - Chair ICCA (California)
  - CCA
- Eric Welsh (Group Leader)
  - ACS-Madison, WI
  - CCA/Staff

### Group Three:
- Dave Mengel
  - Kansas State University
  - Leadership
- James Coover
  - Kansas State University
  - Student
- Larry Shiver
  - CCA (Kansas)
  - CCA
- Karl Anderson (Group Leader)
  - SPO-DC
  - Staff

### Group Four:
- Henry Nguyen (Group Leader)
  - University of Missouri
  - SPC
- Steven Easterby
  - University of Missouri
  - Student
- Steve Cromley
  - Vice-Chair ICCA (Missouri)
  - CCA

### Group Five:
- Ron Turco (Group Leader)
  - Purdue University
  - SPC
- Steve Dlugosz
  - CCA (Indiana)
  - CCA
- Christine Sprunger
  - Michigan State University
  - Student

### Group Six:
- Anna Balvance
  - CCA (Iowa)
  - CCA
- Mary Tiedeman
  - Iowa State University
  - Student
- Amy Asmus (Group Leader)
  - Past-Chair ICCA (Iowa)
  - CCA
- Roch Gaussoin
  - University of Nebraska
  - Leadership

### Group Seven:
- Bethany Johns (Group Leader)
  - SPO-DC
  - Staff
- Mark Corrao
  - University of Idaho
  - Student
- Sarah Light
  - Oregon State University
  - Student
- Dennis Roth
  - CCA (Oregon)
  - CCA

### Group Eight:
- Christopher Rogers
  - University of Arkansas
  - Student
- David Baltensperger (Group Leader)
  - Texas A&M University
  - Leadership
- Matt Berg
  - Texas A&M University
  - Student

### Group Nine:
- Tom DeSutter (Group Leader)
  - North Dakota State University
  - SPC
- Chandra Heglund
  - North Dakota State University
  - Student
- Steven Hystad
  - Montana State University
  - Student
# Congressional Visits Day 2014 - Group Assignments

**Group Ten:**

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<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Role</th>
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<tbody>
<tr>
<td>Sharon Clay</td>
<td>South Dakota State University</td>
<td>Leadership</td>
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<tr>
<td>Heidi Myer</td>
<td>South Dakota State University</td>
<td>Student</td>
</tr>
<tr>
<td>Emily Woodward</td>
<td>Penn State University</td>
<td>Student</td>
</tr>
<tr>
<td>Luther Smith (Leader)</td>
<td>ACS-Madison, WI</td>
<td>CCA/Staff</td>
</tr>
</tbody>
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**Group Eleven:**

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<tr>
<th>Name</th>
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<tr>
<td>Eric Watkins</td>
<td>University of Minnesota</td>
<td>SPC</td>
</tr>
<tr>
<td>Chris Dorich</td>
<td>University of New Hampshire</td>
<td>Student</td>
</tr>
<tr>
<td>Melissa Savin</td>
<td>University of Delaware</td>
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</tr>
<tr>
<td>Susan Chapman (Leader)</td>
<td>ACS-Madison, WI</td>
<td>Staff</td>
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**Group Twelve:**

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Mark Brick (Leader)</td>
<td>Colorado State University</td>
<td>Leadership</td>
</tr>
<tr>
<td>Clinton Steketee</td>
<td>University of Georgia</td>
<td>Student</td>
</tr>
<tr>
<td>Jose Clavijo</td>
<td>University of Florida</td>
<td>Student</td>
</tr>
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**Group Thirteen:**

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<tr>
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<tbody>
<tr>
<td>Fred Vocask (Leader)</td>
<td>Servi-Tech (Kansas)</td>
<td>CCA/SPC</td>
</tr>
<tr>
<td>Justin Moss</td>
<td>Auburn University</td>
<td>Student</td>
</tr>
<tr>
<td>Jesse Morrison</td>
<td>Mississippi State University</td>
<td>Student</td>
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**Group Fourteen:**

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Ellen Bergfeld (Leader)</td>
<td>ACS-Madison, WI</td>
<td>Staff</td>
</tr>
<tr>
<td>Nicole Sandler</td>
<td>ACS-Madison, WI</td>
<td>Staff</td>
</tr>
<tr>
<td>Alisha Mulkey</td>
<td>University of Maryland</td>
<td>Student</td>
</tr>
<tr>
<td>Nicole Fiorellino</td>
<td>University of Maryland</td>
<td>Student</td>
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**Group Fifteen:**

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<tr>
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<tbody>
<tr>
<td>Julie McClure (Leader)</td>
<td>SPO-DC</td>
<td>Staff</td>
</tr>
<tr>
<td>Lance Tarochione</td>
<td>CCA (Illinois)</td>
<td>CCA</td>
</tr>
<tr>
<td>Daniel Weber</td>
<td>University of Kentucky</td>
<td>Student</td>
</tr>
<tr>
<td>Alicia Hunolt</td>
<td>Virginia Tech</td>
<td>Student</td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
<td>Email</td>
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</tr>
<tr>
<td>Karl Anderson</td>
<td>ASA-CSSA-SSSA Science Policy Office</td>
<td><a href="mailto:kanderson@sciencesocieties.org">kanderson@sciencesocieties.org</a></td>
</tr>
<tr>
<td>Erin Arms</td>
<td>University of California-Davis</td>
<td><a href="mailto:emarms@ucdavis.edu">emarms@ucdavis.edu</a></td>
</tr>
<tr>
<td>Amy Asmus</td>
<td>Past-Chair ICCA (Iowa)</td>
<td><a href="mailto:amy@afschem.com">amy@afschem.com</a></td>
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<tr>
<td>David Baltensperger</td>
<td>CSSA President (Texas A&amp;M)</td>
<td><a href="mailto:dbaltensperger@tamu.edu">dbaltensperger@tamu.edu</a></td>
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<tr>
<td>Ellen Bergfeld</td>
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<tr>
<td>Mark Brick</td>
<td>Past President- Crops (Colorado State University)</td>
<td><a href="mailto:mark.brick@colostate.edu">mark.brick@colostate.edu</a></td>
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<tr>
<td>Susan Chapman</td>
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<tr>
<td>Sharon Clay</td>
<td>ASA Past President (SDSU)</td>
<td><a href="mailto:sharon.clay@sdstate.edu">sharon.clay@sdstate.edu</a></td>
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<td>James Coover</td>
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<td>Mark Corrao</td>
<td>University of Idaho</td>
<td><a href="mailto:mcorrao@consulting-foresters.com">mcorrao@consulting-foresters.com</a></td>
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<td>Steve Cromley</td>
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<td>Tom DeSutter</td>
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<td><a href="mailto:thomas.desutter@ndsu.edu">thomas.desutter@ndsu.edu</a></td>
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<tr>
<td>Steve Dlugosz</td>
<td>CCA (Indiana) Past Chair ICCA Board</td>
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<tr>
<td>Chris Dorich</td>
<td>University of New Hampshire</td>
<td><a href="mailto:cdl25@wildcats.unh.edu">cdl25@wildcats.unh.edu</a></td>
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<td>Patrick Dosier</td>
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<td>Nicole Fiorellino</td>
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<td><a href="mailto:nfliorell815@gmail.com">nfliorell815@gmail.com</a></td>
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<tr>
<td>Roch Gaussoin</td>
<td>CSSA President Elect (University of Nebraska)</td>
<td><a href="mailto:rgaussoin1@unl.edu">rgaussoin1@unl.edu</a></td>
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<tr>
<td>Chandra Heglund</td>
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<td>House Agriculture Committee</td>
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<td>Rep. Glenn Thompson (R, PA-5)</td>
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<td>House Natural Resources Committee</td>
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Support research at the USDA
Agricultural Research Service and Agriculture & Food Research Institute

Why is food and agriculture research important?

Throughout its history, the United States has depended on agriculture not only to feed its citizens, but also as a major driver of its economy. Exports of agricultural products resulted in a $37 billion trade surplus in 2011 and the agricultural sector is currently responsible for 1 in 12 American jobs. The success of the U.S. agriculture enterprise is due in large part to the strong investment in food and agriculture research made throughout the 20th century. Because of this investment, the U.S. farmer is among the most efficient in the world and the United States is the global leader in meeting the world’s demand for food.

However, investments in agriculture research have stalled or even decreased over the past three decades. Investments in food and agriculture research today will help us meet the greatest challenges facing our nation and the world: food safety and security, natural resource management and clean energy production. Facing these challenges requires a renewed commitment to the food and agriculture research enterprise.

Federal funding for food and agriculture research

Since the 1950s, the Agricultural Research Service (ARS) has been the chief intramural agricultural research agency for the U.S. Department of Agriculture (USDA). In 2008, Congress established the Agriculture and Food Research Initiative (AFRI) to provide competitive research funding. This combination of intramural and extramural research programs allows USDA to manage a research portfolio that is both sustained and flexible. ARS intramural research is uniquely suited to conduct research that requires a long term investment, while AFRI has a greater capacity to respond to new and emerging issues in the food and agriculture sciences.

We urge Congress to support ARS at $1.149 billion and AFRI at $360 million for FY 2015
What has food and agriculture research given us?

**Agricultural Production**
“Greenbug” infestations cost wheat farmers $250 million annually in crop losses and pesticide expenses. However ARS scientists have bred a greenbug-resistant winter wheat line that serves as a new strategy in pest control.

**Human Health and Nutrition**
Dietary micronutrient deficiencies, such as the lack of vitamin A, iodine, iron or zinc, are linked to diseases and death worldwide. AFRI-funded research, focused on identifying the genes involved in iron and zinc uptake, will lead to the creation of new, more nutritious rice varieties.

**Food Safety**
Keeping dangerous microorganisms out of poultry and preventing foodborne illness and death is a long-standing ARS research goal. ARS scientists have developed a method for injecting “good” bacteria into incubating chicken eggs to combat *Salmonella*, a bacteria infecting over 40,000 Americans each year.

**Sustaining Natural Resources**
A group of chemical engineers are using AFRI funding to test a new way of creating biofuels and industrial chemicals from perennial grasses that can be grown on lands that are unsuitable for annual crops such as corn, wheat and soybean. This work could significantly advance the use of biomass as a sustainable energy source.

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**Loss of Innovation**
Since its inception, AFRI has consistently received more research proposals of merit than it has been able to fund. In FY 2011, 977 grants, rated highly innovative, were not funded because the AFRI budget totaled $264 million. 977 proposals that could have held the answers to increased crop yield, clean energy or drought mitigation went unfunded. By not fully funding AFRI, what new ideas are we missing? Can we really afford to let these future advances go undiscovered?

<table>
<thead>
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<th>FY 2011</th>
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<tbody>
<tr>
<td>2,165 Proposals submitted</td>
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<tr>
<td>1,308 Recommended for funding</td>
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<tr>
<td>331 Awarded</td>
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<tr>
<td>977 Recommended, but not awarded</td>
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</table>

**Workforce Development**
To create a vibrant, innovative research enterprise, a primary concern is support for a well-trained workforce. AFRI and ARS play a critical role in training the next generation of food and agriculture researchers and educators. In FY 2011, AFRI supported 1,600 undergrads, graduate students and postdoctoral researchers. ARS labs employ over 200 postdoctoral researchers and provide countless mentors to undergraduate and graduate students. Unfortunately, because of continued flat or declining federal funding for AFRI and ARS, food and agriculture science is not seen as an attractive career option to students planning career paths. Greater investments in AFRI and ARS will help attract the brightest students from diverse fields of basic science to pursue food and agriculture research.

**Global Competitiveness**
While the United States still leads the world in research and discovery, our advantage is rapidly eroding and our global competitors may soon overtake us.

- From 2001-2011, Asia’s share of global R&D spending grew from 25% to 34% while the United States’ share declined from 37% to 30%.
- In 2007, China became second only to the U.S. in the estimated number of people engaged in scientific and engineering R&D.
- India, Brazil and China have dramatically increased their public investments in agriculture R&D, accounting for a quarter of global spending from 2000-2008.
How is USDA Research Working for South Dakota?

In FY 2012, South Dakota received:

- $3.8 million from the Agriculture Research Service (ARS)
- $2 million from the Agriculture and Food Research Initiative (AFRI)

Agriculture Research Investments in South Dakota

- South Dakota has 1 ARS research unit:
  - Integrated Cropping Systems Research

Saltcedar is a non-native shrub that has invaded northern agricultural and grass lands, causing economic and environmental losses. Researchers at South Dakota State University are studying how saltcedar is adapting to the northern environment in order to prevent its further spread.

Augustana College received an AFRI grant to study the genes that regulate water use in tomato plants as a way to create a more drought-resistant tomato line.

Small Business Benefits in South Dakota

- South Dakota small businesses received $200,000 through the Small Business Innovation Research and Small Business Technology Transfer programs within USDA

In Brookings, Brookings Biomedical received an SBIR grant to scale-up their production of a more effective, less-expensive vaccine that would protect pigs against E. coli infection.

Agriculture Value in South Dakota

- South Dakota has 31,000 farms that account for $10 billion in total commodities, $3.6 billion in agricultural exports and more than 63,000 jobs
- U.S. public investments in agriculture research and development produce benefit-cost ratios of 20:1 and higher
How is USDA Research Working for Pennsylvania?

In FY 2012, Pennsylvania received:

- **$41 million** from the Agriculture Research Service (ARS)
- **$15 million** from the Agriculture and Food Research Initiative (AFRI)

**Agriculture Research Investments in Pennsylvania**

- Pennsylvania has **8 ARS research units** including:
  - Molecular Characterization of Foodborne Pathogens Research
  - Sustainable Biofuels and Co-Products Research
- **Pennsylvania State University** has 18 AFRI grants worth nearly **$6.3 million**

Honey bees are a major pollinator of crops in the U.S. Researchers at Penn State University are working with local beekeepers to decrease the number of honey bee colonies that die in the winter. AFRI funding is being used to increase nitrogen uptake in plant roots as a way to reduce the amount of nitrogen fertilizer farmers use, thereby reducing costs, while maintaining crop yields.

**Small Business Benefits in Pennsylvania**

- Pennsylvania small businesses received **$450,000** through the Small Business Innovation Research and Small Business Technology Transfer programs within USDA

In Philadelphia, Azavea, Inc. is developing a computer program, OpenTreeMap, that allows users to calculate the benefits of each tree in an urban forest on the surrounding air and water quality.

**Agriculture Value in Pennsylvania**

- Pennsylvania has **62,100 farms** that account for **$6.9 billion** in total commodities, **$1.7 billion** in agricultural exports and nearly **147,000 jobs**
- U.S. public investments in agriculture research and development produce benefit-cost ratios of **20:1 and higher**
The Dupont Circle Hotel  
1500 New Hampshire Ave. NW  
Washington, DC 20036

Cosi  
1350 Connecticut Ave  
Washington, DC 20036

Starbucks  
1501 Connecticut Ave NW  
Washington, DC 20036

Panera Bread  
1350 Connecticut Ave NW  
Washington, DC 20036

Le Pain Quotidien  
2000 P St NW  
Washington, DC 20036
The Dupont Circle Hotel
1500 New Hampshire Ave. NW
Washington, DC 20036

Sweetgreen
1512 Connecticut Ave
Washington, DC 20036

The Front Page
1333 New Hampshire Ave NW
Washington, DC 20036

ShopHouse Southeast Asian Kitchen
1516 Connecticut Ave NW
Washington, DC 20036

Zorba’s Cafe
1612 20th St NW
Washington, DC 20036

http://batchgeo.com/map/bc2e5b19bad4fa36223b9e40df5e7e98
Luna Grill and Diner  
1301 Connecticut Ave NW #1A  
Washington, DC 20036

BGR the Burger Joint  
1514 Connecticut Ave NW  
Washington, DC 20036

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1 review
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2 Dirksen Senate Office Building
3 Hart Senate Office Building
4 U.S. Supreme Court
5 Jefferson Building, Library of Congress
6 Madison Building, Library of Congress
7 Cannon House Office Building
8 Longworth House Office Building
9 Rayburn House Office Building
10 Ford House Office Building
11 U.S. Botanic Garden & the National Garden

Red arrow indicates Capital Visitor Center*
First Street Entrance & Exit (East Front)
*The Capitol Visitor Center is the new entrance to the U.S. Capitol.