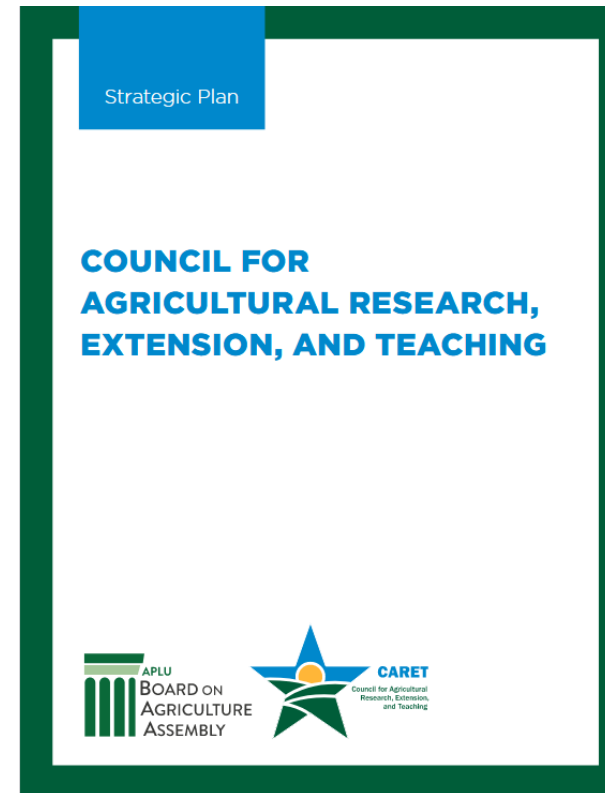


CARET Strategic Plan - Initiatives

1. **Coalition-building:** Build relationships and understanding within the LGU system and with external stakeholders.
2. **Communication:** Increase and improve communication and coordination.
3. **Training:** Develop, train, and support the general membership of CARET and the AHS.
4. **Accountability:** Ensure that CARET is engaged and accountable.



CARET Strategic Plan - Timeline

1



FALL/EARLY WINTER

Prepare the local and national request materials.

Outline the local and state argument for federal support of a national system.

2



WINTER/SPRING

Hold the joint CARET/AHS annual spring meeting.

Schedule advocacy and education visits; undertake related follow-up.

3



SPRING

Submit letters of support for the land-grant university system colleges of agriculture.

Coordinate with government relations personnel during official follow-up.

4



SUMMER/FALL

Relterate the requests/needs/outcomes during the summer regional meetings and through fall engagement.

Hold regional meetings that add context to justifications.

Undertake the development of Op Eds.

CARET Strategic Plan Implementation Committee

- Charge and make-up:
 - The committee to address accountability regarding the implementation of the CARET Strategic Plan in accordance with the strategic plan.
 - In addition to Executive Committee officers, regional appointees, the AHS Chairman, and AHS BAC and CLP chairs will serve on the committee.
 - Time commitment:
 - The committee will convene an initial time to review proposed reporting procedure for plan.
 - The committee will convene once each year to review the Executive Director's report on the progress on the Strategic Plan.
 - Meetings will take place virtually.
- Charter and the Membership
 - Framework/workplan
 - Survey assessment for AHS/CARET
 - Performance assessment

Achieved in 2023

- ✓ In-person CARET-AHS meeting
- ✓ Updating and transition of the website
- ✓ Early release of materials
- ✓ Pre-meeting webinars
- ✓ Review of budget and travel policy
- ✓ Review of rules of operation
- ✓ Convening of regional rules of operation workgroup

2023 – What BAA and CARET Have Achieved: Updated www.Land-grant.org Website

Association of Public and Land-Grant Universities (APLU)

LAND-GRANT

The Budget and Advocacy Committee and the Committee on Legislation and Policy of the APLU Board on Agriculture Assembly

Home About Us Land-Grant Schedule CARET More

FY2024 Annual Appropriations



- [APLU Board on Agricultural Assembly \(BAA\) Unified Fiscal Year 2024 Appropriations Request](#)

2023 Farm Bill Reauthorization

- [APLU BAA 2023 Farm Bill Title VII Policy Recommendations](#)
- [APLU BAA 2023 Farm Bill Request for the Research Facilities Act](#)
- [A National Study of Capital Infrastructure at Colleges and Schools of Agriculture](#)
- [Research Facilities Act Stakeholder Sign-on Letter](#)
- [Research Facilities Act FAQ](#)
- [APLU May 2021 Bipartisan Infrastructure Bill Stakeholder Support Letter for RFA](#)

CARET Strategic Plan

- [Strategic Plan](#)
- [Strategic Plan Implementation Report 2022](#)
- [Delegate Workbook](#)



2023 – What BAA and CARET Have Achieved: New Materials with Timely Release

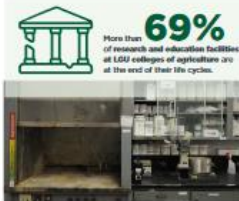
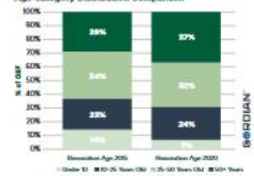
Strategic Federal Investment In Extramural Agricultural Research Facilities Across America

REQUEST: APLU requests reauthorization and robust funding for the Research Facilities Act in the 2023 Farm Bill.

Our public colleges of agriculture, including the historic land-grant university (LGIU) system, serve the nation by fostering excellence in research innovation while providing avenues to train future global leaders in agriculture and food systems. Public research accelerates technology adoption, growth of the agricultural and food marketplace, entrepreneurship, and public-private partnerships, returning \$10 to the economy for every dollar spent.

However, this system faces unprecedented infrastructure challenges. U.S. researchers and educators are being asked to perform 1st century science in facilities constructed in the 1950s and 1960s.

Schools of Agriculture Age Category Distribution Comparison



THE PROBLEM Failing Infrastructure at U.S. Colleges of Agriculture

Modern agricultural research and education facilities serve as the backbone of cutting-edge research and agribased science solutions that address climate change, agricultural profitability, food safety, zoonotic disease preparedness, personalized nutrition, biosecurity, new biobased packaging and sensory innovations, and advanced market analysis. Gordian, a firm with more than 30 yrs. of experience analyzing cost data and planning services for buildings, evaluated current facilities at U.S. schools of agriculture for research, teaching, and Extension. In 2020, Gordian assessed the state of facilities at the colleges or schools of agriculture, reporting that 69% of the buildings are at the end of their useful life. Gordian reports that the cost of upgrading deferred maintenance in 2021 is \$1.5 billion, with a replacement value of \$38.1 billion.

Developing biodegradable biomaterials and bioplastics for a sustainable economy.

Agricultural Research Infrastructure as a Long-Term Economic Driver

Competitors around the globe continue to make strides to outpace us by surpassing U.S. domestic investment in basic and applied agricultural research. As a result, the

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Lewes Burke Associates
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Caron Galt
Association of Public and Land-grant Universities Director, Governmental Affairs, Agriculture and International Development
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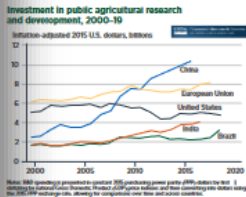
A National Study of Capital Infrastructure at Colleges and Schools of Agriculture

March 2021



AUTHORED BY:
Peter Reeves, Director, Product Management - Data
Sophie Mason, Senior Account Manager
Luke Sanders, Data Analyst

PRODUCED BY
GORDIAN

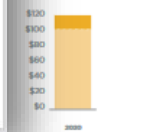


United States is at a hazardous crossroads, being ground as the global leader in agricultural science. To reposition, the nation needs the foundation of advanced agricultural research infrastructure with facilities that enable work in emerging areas of science, including artificial intelligence, big data analytics, and sensor-based observation systems at geographically relevant locations across the nation.

The Workforce of the Future: Inclusive, Diverse, and Technically Skilled Global Leaders

Purdue University estimated that 59,400 new U.S. graduates with agricultural expertise are needed per year. State-of-the-art facilities will allow the U.S. to recruit the best talent to solve problems at our nation's public universities. Modern facilities promote STEM skill development, while also providing interactive and collaborative environments in which non-technical skills can be learned. Our vision includes integrating advanced technologies, observational and collaborative research capabilities, and multi-functional research and teaching facilities through federal-state and public-private partnerships. It's also critical to continue to promote the science-based agricultural entrepreneurship that supports U.S. food innovation. Modern facilities will allow the agricultural, food, and biobased sciences to recruit a diversity of talent, including women and minority scientists, into the agricultural innovation enterprise.

Maintenance



APLU Board on Agriculture Assembly Unified Fiscal Year 2024 Appropriations Request

USDA National Institute of Food and Agriculture (NIFA)



The Board on Agriculture Assembly (BAA) requests bold federal investment in our nation's colleges of agriculture and forestry by advancing funding increases for core activities that underpin the strength of our nation's public research, Extension, and education system serving U.S. food and agriculture. The return on investment of U.S. agriculture research and Extension is \$30 for every public \$1 invested. Yet federal support for NIFA Agricultural research, education, and Extension has been flat in real dollars, resulting in destabilization of the very system the U.S. relies on to cultivate U.S.-based agricultural leaders, reinforce domestic preparedness against pests and diseases, and ensure the U.S. leadership in global food security and technology.

The BAA requests investment that rebuilds U.S. preeminence across public university research, Cooperative Extension System, education programs, and research facilities.

RESEARCH PROGRAMS

- Hatch Act:** Agricultural Experiment Stations located in every state provide research capacity for critical issues and innovations that affect agricultural production, profitability, and sustainability, such as climate resilience strategies, conservation, economic analysis, food safety, invasive species, biosecurity, and precision agriculture. Geographically relevant research occurs across national, regional, state, and local contexts. **FY2024 Request: \$300 million**
- Evans-Allen:** Agricultural research at 1800 colleges of agriculture takes place due to Evans-Allen capacity funds that enable research for small farmer challenges, food security and nutrition, and workforce development. Most Black students majoring in agriculture graduate from 1800s institutions. **FY2024 Request: \$108 million**
- 1994 Institution Research Program:** The Tribal College Research Program supports research that protect reservation forests, woodlands, grasslands, and crops, as well as monitor soil and water quality. **FY2024 Request: \$73.5 million**
- McIntire-Stennis:** Forestry research capacity addresses development of biobased products, prevention of forest fires, identification of new energy sources, expansion of outdoor recreational activity, and mitigation techniques for invasive species. It is a direct source of funds for resource science graduates. **FY2024 Request: \$46 million**
- Agriculture and Food Research Initiative (AFRI):** The flagship competitive grant program for federal priorities that improve rural economies, increase food production, stimulate the bioeconomy, mitigate the impacts of climate variability, address water availability issues, ensure food safety, enhance human nutrition, and train the next generation of agricultural professionals. **FY2024 Request: \$500 million**

EXTENSION PROGRAMS

- Smith-Lever Section 3(b) and (c):** Capacity for 1800 Extension that supports a network of land-grant-university-connected state, tribal, and local educators who deliver vital, timely, practical information to agricultural producers, small business owners, communities, youth, and families. **FY2024 Request: \$420 million**
- Extension services at 1800 institutions:** Capacity that assists 1800s in working with diverse communities with research-based, non-formal education about market development, acquisition of capital and technology, estate planning, and profitability. Stakeholders include small to medium size farmers or other underserved populations. **FY2024 Request: \$88 million**
- Tribal College Extension Grants Program (TCEP):** Enables 1994 institutions to deliver science-based, culturally relevant extension education programs to address biobased energy, production, and food safety needs, improving quality of life on reservations. **FY2024 Request: \$17.5 million**
- Smith Lever 3(d) Programs:** Includes the following important programs—Expanded Food and Nutrition Education Program (EFNEP); Farm Safety and Youth Farm Safety Education; New Technologies for Agricultural Extension; Children, Youth, and Families at Risk; and Federally Recognized Tribes Extension Programs. **FY2024 Request: \$95 million**



Category	FY 2024 Appropriation Request	% Increase Over FY2023			
EDUCATION					
Women and Minorities in STEM (WMAHS)	7 U.S.C. 3205	\$1,000	\$2,000	\$10,000	15%
Payments to the 1994 institutions	7 U.S.C. 301 note	\$5,500	\$7,000	\$70,000	50%
INFRASTRUCTURE					
Research Facilities Act	7 U.S.C. 390	\$-	\$2,000	\$500,000	249%
GLOBAL AGRICULTURE RESEARCH AND EXTENSION					
Partnerships for Capacity	7 U.S.C. 3292	\$-	\$-	\$10,000	N/A
International Agricultural Competitive Grants	7 U.S.C. 3292b	\$-	\$-	\$5,000	N/A

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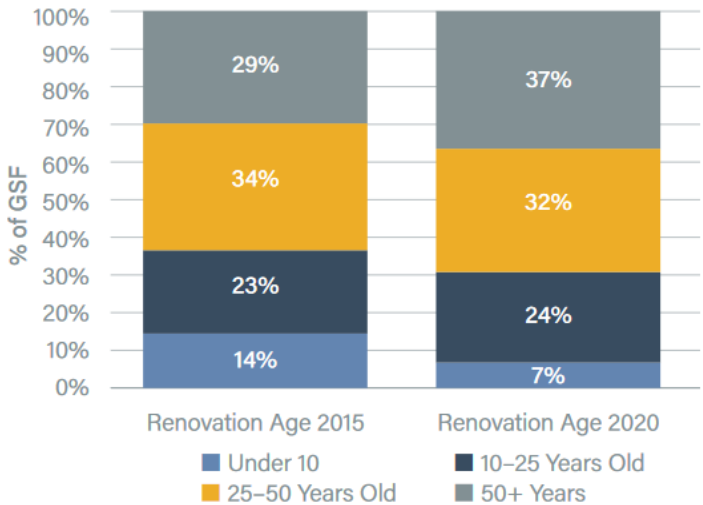
Caron Galt
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2023 FOCUS: Research Facilities Act (for NIFA)



Figure 1. Schools of Agriculture Age Category Distribution Comparison



Version 1: CARET Delegate Workbook



Version 1
FALL 2022



**Council For Agricultural
Research, Extension,
and Teaching**

Governance Update



2023 CARET Team – Exec, Regions, and Staff

Exec. Comm. Officers

- Chairman: J. Robert Frazee, Maryland (2023)
- Vice Chair: Connie Kays, Kansas (2023)
- Secretary: Jake Tibbitts, Nevada (2023)
- Past Chair: Noland Ramsay, North Carolina (2023)

Regional Association Leadership

Southern

- Chair: Jim Handley, University of Florida (FL)
- Vice Chair: Larry Holmes, Virginia State University (VA)
- Secretary: Elvis Graves, North Carolina (2024)
- Past Chair: Oscar Taylor, Prairie View A&M University (TX)

Western

- Chair: Mike Miller, Washington State University (WA)
- Vice Chair: Andy Groseta, Arizona (AZ)
- Secretary: Eric Matsunaga, University of Hawaii (HI)
- Past Chair: Bill Frost, University of California (CA)

North Central

- Chair: Ben Steffen, University of Nebraska (NE)
- Vice Chair: Julie Voelker, Kansas State University (KS)
- Secretary: Rebecca Roach, Purdue University (IN)
- Past Chair: Bob Petrzelka, Iowa State University (IA)

Northeast

- Chair: Jim Shirk, Penn State University (PA) (2022)
- Vice Chair: Kristen Hughes Evans, U. of Maryland (2022)
- Secretary: Beatrix Fields, University of DC (2022)
- Past Chair: Vacant

Exec. Comm. Voting Representatives

Northeast:

- J. Robert Frazee, Maryland (2023)
- Wm. Cutts, New Jersey (2022)
- Jim Shirk, Pennsylvania (2023)

North Central:

- Connie Kays, Kansas (2023)
- Barbara Cooksley, Nebraska (2022)
- Ben Steffen, Nebraska (2023)

South:

- Rodd Moesel, Oklahoma (2023)
- Elvis Graves, North Carolina (2024)
- Noland Ramsey, North Carolina (2023)

West:

- Jake Tibbitts, Nevada (2023)
- Bob Mattive, Colorado (2022)
- Andy Groseta, Arizona (2023)

Exec. Comm. Non-voting Member Liaisons (Appointment)

(4-year terms, except for the CLP)

1. **ACOP (Academic):** Eric Hinson, Florida (2024)
2. **ESCOP (Research):** Katie Frazier, Virginia, (2023)
3. **ECOP (Extension): Vacant**
4. **ICOP (International):** HC Russell, Missouri (2026)
5. **Minority-Serving – 1890:** James Brown, Jr. Tennessee (2024)
6. **Minority-Serving – 1994:** James Durglo, At-large (2022)
7. **FY2022/2023 Budget:** Brian Hardin, Alabama (2023)
8. **FY2023/2024 Budget:** Mike Miller, Washington State U (2026)
9. **CLP (Farm Bill):** Don Latham, Iowa (2024 – or duration)
10. **NaCo:** Madeline Mellinger, Florida (2026)
11. **NAUFRP:** Buck Vandersteen, Louisiana State University (2026)
12. **BHHS:** Mariann Smith Edge, University of Kentucky (2026)
13. **BAA AHS:** Michael Boehm, University of Nebraska-Lincoln
14. **BAA PBD:** Ernie Minton, Kansas State University

Staff:

- Caron Gala, Executive Director, CARET and Director, Agriculture and International Development, Government Affairs at APLU
- Flannery Bethel, Senior Associate for FANR



Questions for Region

Regional Engagement and Support

- What is our national advocacy goal for 2024/2025?
- Building stakeholder group engagement, who, what, and how?
 - How effective are the advocacy letters for coalition building?
- What are some sponsorship support best practices?



Northeast Region Governance Report



Regional Governance Update

- Regional officers
 - Secretary
 - Vice Chair
 - Chair
- National CARET Executive Committee regional representatives

National Executive Director Report



FANR Update

- ✓ Policy Board of Director's Budget and Legislative Committee process
- ✓ Policy Board of Director's Committee on Legislation and Policy

2023 Actions

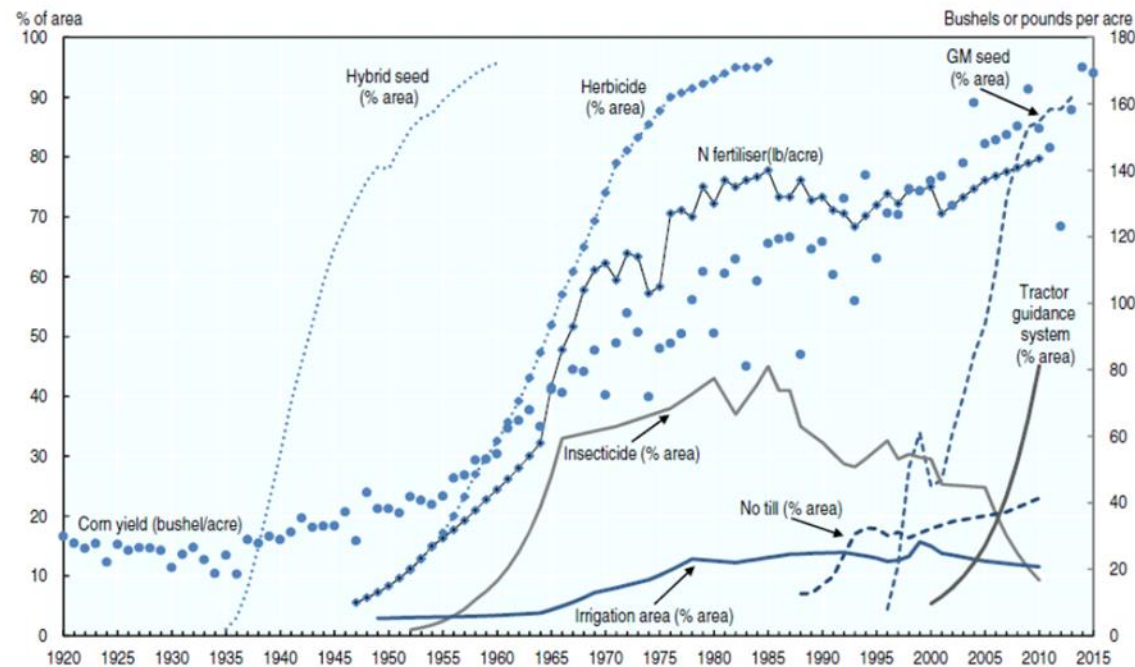
2023 Pre-Meeting Webinars for 2024

- ✓ AHS Orientation (September, 2023)
- ✓ CARET Delegate Orientation (October, 2023)
- ✓ Farm Bill Request Update (November, 2023)
- ✓ BAA FY2025 Appropriations Request -
Research, Education, and Extension (January,
2024)

2024 FOCUS: Telling the Story of Capacity Funding

- Innovation + Outreach = Economic impact

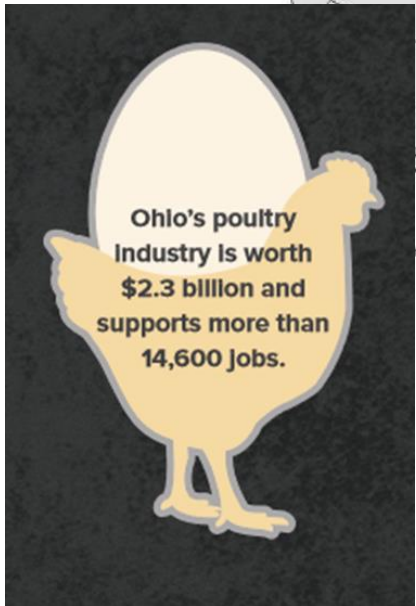
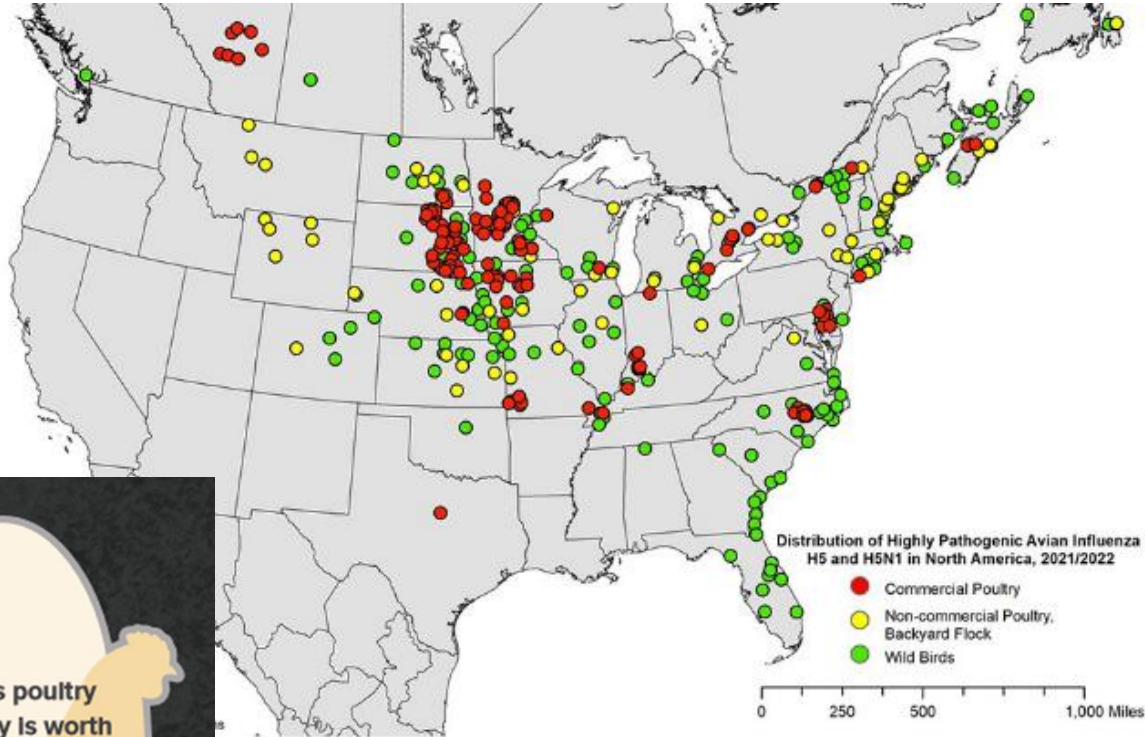
Figure 7.26. Crop yield and technological change in maize production, 1920-2015



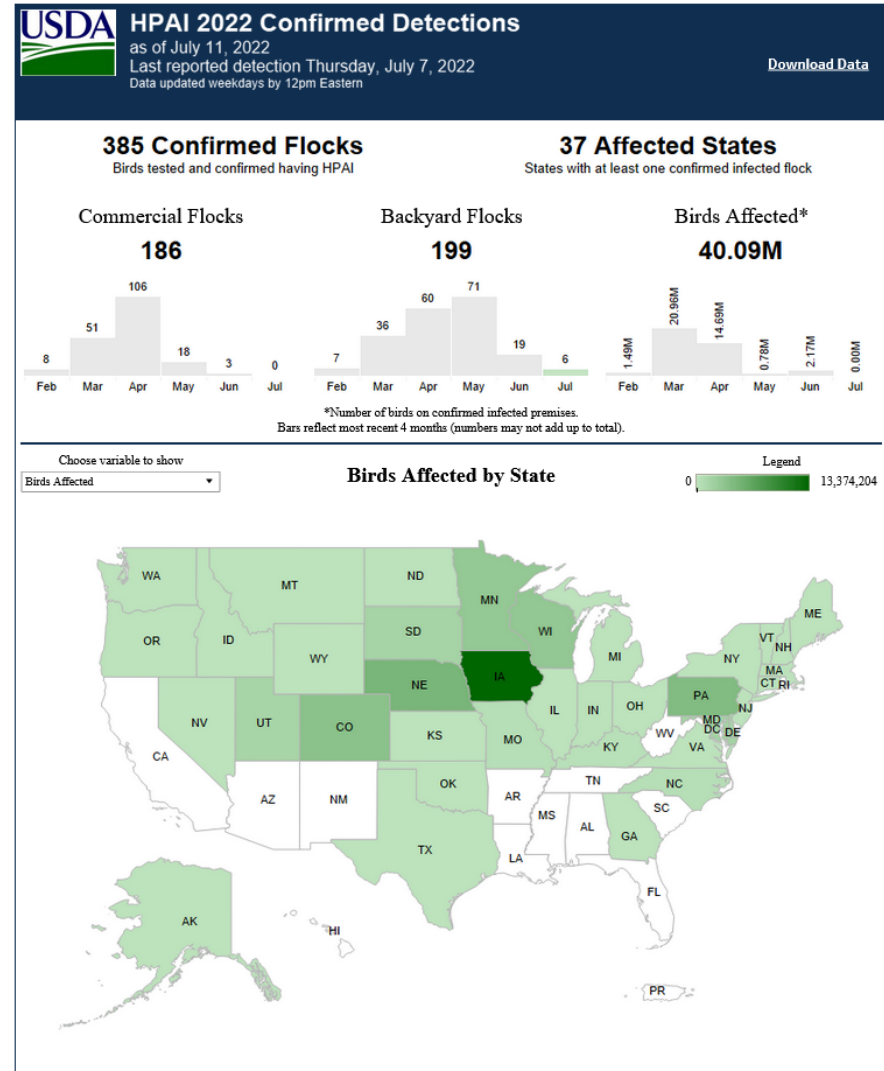
Some series are only available periodically. For these series, adoption rates for intervening years have been interpolated.

Sources: Maize yield and hybrid seed area are from the USDA (2015f), *Agricultural Statistics*. Maize irrigated area is from USDA (2015g), *Census of Agriculture*. Adoption rates for herbicides, insecticides, no till, tractor guidance systems, and N application rates for fertilizer are from the USDA (2015h), Economic Research Service. GM seed adoption rates are from Fernandez-Cornejo et al. (2014).

2024 FOCUS: Telling the Story of Capacity Funding



Responsiveness



2024 FOCUS: Telling the Story of Capacity

Agricultural Experiment Stations and Branch Stations in the United States



Geographical Distribution of Investigators



Emphasize industry goals



A COMMITMENT

TO THE FUTURE

Corn farmers' commitment to these pillars of sustainability have paved the way for improvements in a number of key indicators over a span of several decades. Between 1980 and 2015¹, corn farmers have:



NCGA'S GOALS

While proud of their past success, corn farmers are not ready to stop there. They stand ready to meet the needs of the future and to continue to embrace the change that has brought them this far. Looking to 2030, corn farmers are committed to:



¹ Field to Market: The Alliance for Sustainable Agriculture, 2016. Environmental and Socioeconomic Indicators for Measuring Outcomes of On-Farm Agricultural Production in the United States (Third Edition)

Questions for Region

National Advocacy Dialogue

- Is there an advantage of telling a regional story if it doesn't tie back to a **federal investment mechanism**?
 - What **makes** and **motivates** Champions?
 - What is the **context** of making the argument?
 - Are capacity **funding impacts** beneficial in a regional context?
- **Can we describe what Hatch, Evans-Allen, Smith Lever 3(b) and 3(c), 1890s Extension, AFRI, and WAMS do and how they are structured?**
 - What are the best arguments for capacity funding?
 - What about AFRI?

2024 Joint AHS-CARET Meeting - Schedule

- Sunday, CARET/AHS Exec and Business Meetings, Regional Meetings, and Tailgate
- Monday, Panels on Themes and Hearing from Leaders/Coalition Supporters
- Tuesday, Hill Visits and Hill Reception/Champion Award
- Wednesday, Hill Visits and Travel Home

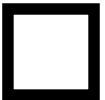


Planning Committee Process

Done:



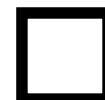
Establish date



Establish theme

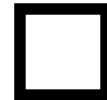


Finalize agenda

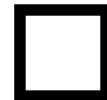


Identify speakers

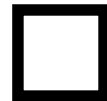
To do:



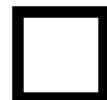
Speaker/Coalition outreach



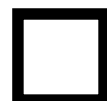
Tailgate sponsorship outreach



Reception location and sponsors



Champion's Award



Designate CARET awardees



Three points for each member

Choose a request:

1. Outline your main argument
2. Provide an illustrative example
3. Describe the local stakeholder impact as well as broader impacts

(Close by talking about the system.)

Washington Update



APLU Team

Council on Governmental Affairs



Craig Lindwarm - Vice President, Governmental Affairs



Caron Gala, Director, Agriculture and International Development, Governmental Affairs

Board on Agricultural Assembly



Doug Steele, Ph.D., Vice President, Food, Agriculture, & Natural Resources (FANR)



Senior Associate, Food, Agriculture, & Natural Resources (FANR)

Farm Bill Advocacy Phases

