

# **CEA Alliance Webinar**



# **USDA Resources for CEA Growers**

June 20, 2024

**CEA ALLIANCE HOSTS:** 

**Tom Stenzel** 

**Executive Director** 

Colin O'Neil

**Bowery Farming** 

Chair, CEA Alliance Public Policy Working Group

**USDA PRESENTERS:** 

Sanah Baig

Deputy Under Secretary for USDA REE

Melissa Bailey, PhD

Associate Administrator, USDA AMS

Brian Guse

Director, OUAIP, USDA NRCS

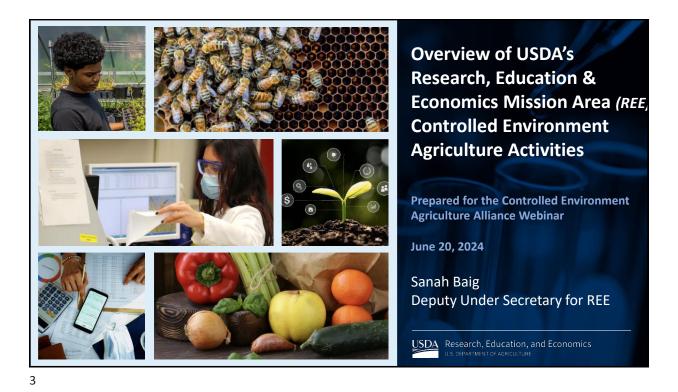
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### **CEA ALLIANCE**



Sanah Baig
Deputy Under Secretary
USDA Research, Education, and Economics (REE)







Agricultural Statistics Service (NASS) CEA Data

2022 Census of Agriculture Reported...

Selected Characteristics of Farms by North American Industry Classification System: 2022

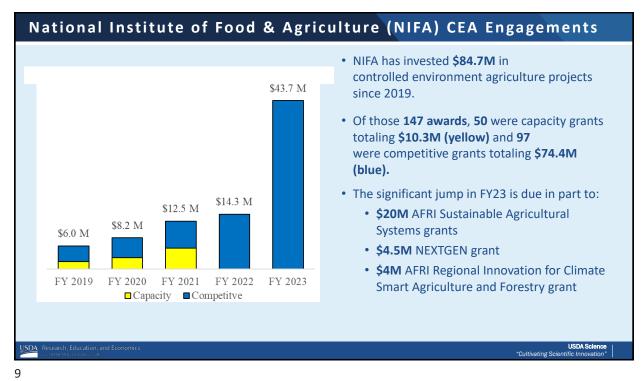
Farms Land in Farms (acres) Harvested Cropland (acres)

Food crops grown under cover (11141) 4,199 174,637 17,951

CENSUS DATA NOW AVAILABLE

FOUR VOICE, YOUR FUTURE, YOUR OPPORTUNITY, YOUR OPPORTUNITY, TOUR OPP

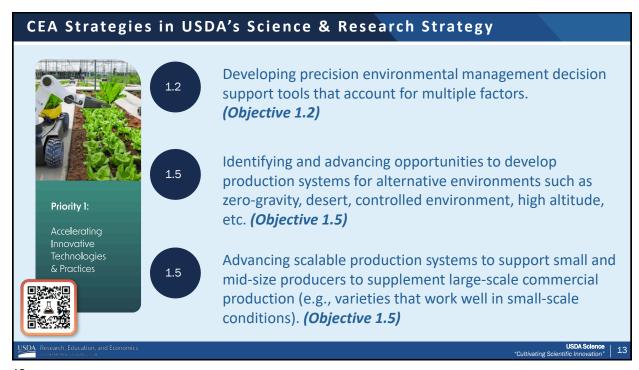
# Economic Research Service (ERS) on CEA Market Trends (1998-2019) Steady growth in: Figure 2 U.S. controlled environment agriculture operations and production, 1998, 2009, 2014, and 2019 Number of operations & quantity of production • 60% of CEA-produced tomatoes, cucumbers & lettuce are grown hydroponically Value of sales (real dollars) · Increasing through 2014 Slight decline in 2019 Primary CEA Crops: cwt = hundredweight. ment agriculture (CEA) operations that reported sales of \$10,000 or more by calendar • Tomatoes, lettuce, cucumbers, herbs, year, except for a small number of operations that maintain their records on a fiscal year basis. CEA production statistics were not strawberries, peppers Source: USDA, Economic Research Service using data from the USDA, National Agricultural Statistics Service, Census of Horticultura

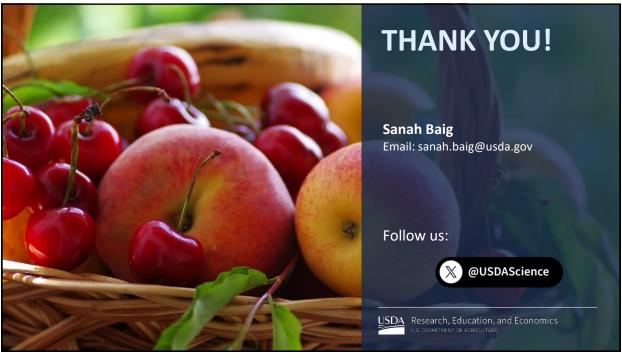


Office of the Chief Scientist CEA Engagements 2018 Workshop focused on the potential of indoor agriculture, in the context of sustainable urban ecosystems 2019 Workshop with the University of Arizona on Controlled 2023 **Environment Indoor & Vertical** Organized & moderated two **Food Production** sessions on plant breeding for CEA & the economics of CEA at the ARS-University of Toledo CEA Workshop 2023-present Facilitated USDA & NASA collaborations to advance U.S. missions in space & agricultural 2024 productivity on Earth Co-organizing a workshop with ARS & Clemson University at Charleston, SC for July 2024











**CEA ALLIANCE** 



**Brian Guse** 

Director, Office of Urban Agriculture and Innovative Production (OUAIP)
USDA Natural Resources Conservation Service (NRCS)

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U.S. DEPARTMENT OF AGRICULTURE

# Office of Urban Agriculture and Innovative Production



usda.gov/urban









# Urban Agriculture and Innovative Production Advisory Committee

<u>Overview</u>: Twelve committee members advise the Secretary of Agriculture on the development of policies and outreach relating to urban, indoor, and other emerging agricultural production practices.



usda.gov/partnerships/federal-advisory-committee-urban-ag



### **Duties:**

- Develop recommendations on policies, initiatives, and outreach
- Evaluate and review ongoing research and extension activities
- Identify new and existing barriers

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# **USDA** Coordination

- USDA Internal Advisory
   Committee
- Cross marketing of USDA
   Programs
- Program policy feedback
- USDA-wide training





tinyurl.com/48wdnffw





tinyurl.com/ye27au36



United States Department of Agriculture

# **External Coordination**

- Conferences and Presentations
  - Indoor AgTech Innovation Summit, June 24-25, Chicago, IL.
  - 2024 Joint National Workshop on Sustainable Development of Controlled Environment Agriculture, July 9-12, 2024, Charleston, SC.
  - National Children & Youth Garden Symposium, July 8-11, Chicago, IL.
  - Aquaponics Association, September 12-15, Dallas, TX.
- Advisory Board
  - The CEA Accelerator Advisory Council
- State and Local Policies Project



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United States Department of Agriculture

# Integration in Programs

- Integrate within existing OUAIP programs
- Workforce Development
- Composting and Food Waste Reduction open now!



Closes Sept. 4



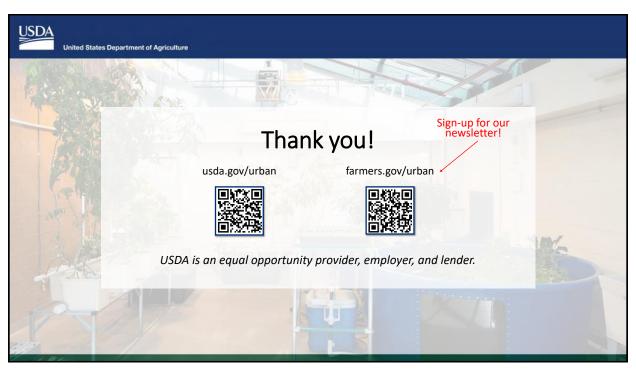
Nixa School District, MO



NY Sun Works, NY



Savannah Hydroponics & Organics, GA







# **Agricultural Marketing Service**

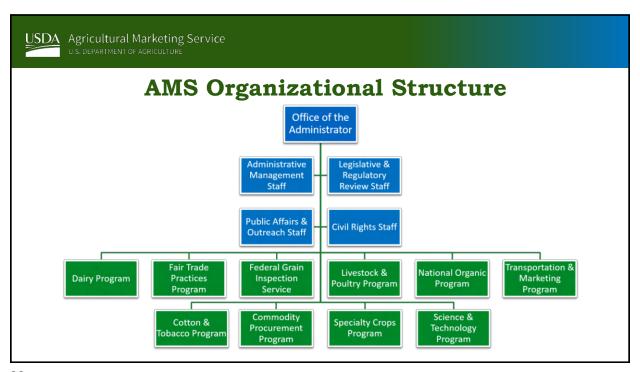
Creating Opportunities for American Farmers and Businesses



### Dr. Melissa R. Bailey | Associate Administrator

Dr. Melissa R. Bailey is an Associate Administrator of USDA's Agricultural Marketing Service (AMS). In this position, Melissa supports the agency's daily operations and program delivery, including the implementation of key commodity grading programs, market information services, and financial and technical assistance related activities. She also provides expertise and policy direction for USDA's supply chain efforts and for agency-wide innovation initiatives.

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# AMS Resources of Interest to CEA Growers



Market News

The **Perishable Agricultural Commodities Act** (PACA) protects businesses dealing in fresh and frozen fruits and vegetables by:

- Establishing and enforcing a code of fair business practices.
- Helping companies resolve business disputes.

**Market News Services** provides free, unbiased price and sales intelligence to assist in the marketing and distribution of farm commodities.

These reports benefit:

- · Farmers
- Producers
- Other agricultural businesses

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# AMS Resources of Interest to CEA Growers





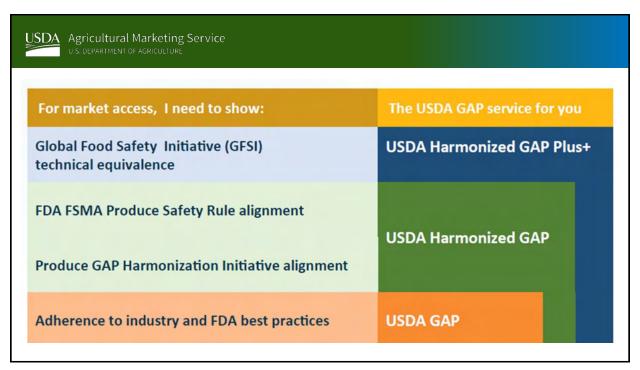
# **Organic Certification**

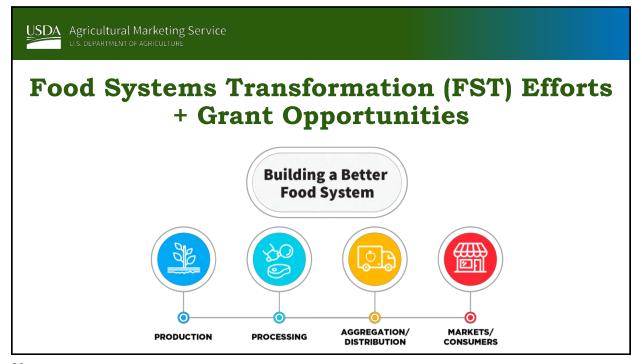
Organic Certification verifies that farms and handling facilities comply with the USDA organic regulation & allows farmers and businesses to sell, label, and represent their products as organic.



- Science- & process-based evaluations by trained experts.
- Provides verification of products in wholesale & consumer markets.
- Used for international trade & equivalency arrangements.









# Goal and Scope

# Resilient Food System Infrastructure (1)

Resilient Food System Infrastructure (RFSI) will build resilience in the middle-of-the-supply-chain and strengthen local and regional food systems by creating new revenue streams for their state's producers.

• The Department of Agriculture in each State will serve as a Lead State agency.

### What is the Middle of the Supply Chain:

• The *middle of the food supply chain* refers to the activities that take place after the production and harvesting of the ag products, before reaching the consumers.

### What Agriculture Products are Eligible?

- This program is to support food system crops and products meant for human consumption
  - o <u>Ineligible products include</u>: meat and poultry, wild-caught seafood, exclusively animal feed and forage products, fiber, landscaping products, tobacco, or dietary supplements.

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# Goal and Scope

# Resilient Food System Infrastructure (2)

### What Entities are Eligible to Apply for RFSI grants?

- Agricultural producers or processors, or groups of agricultural producers and processors.
- Nonprofit organizations operating middle-of-the-supply-chain activities such as processing, aggregation, distribution of targeted agricultural products.
- For-profit entities operating middle-of-the-supply-chain activities such as processing, aggregation, or distribution of targeted agricultural products, whose activities are primarily focused for the benefit of local and regional producers, and that meet the eligibility requirements of the SBA small business size standards are eligible.
  - For-profit entities must meet the eligibility requirements of the SBA small business size standards matched to industries described in the North American Industry Classification System (NAICS).
- Local government entities operating middle-of-the-supply-chain activities such as processing, aggregation, distribution
  of targeted agricultural products.
- Tribal governments operating middle-of-the-supply-chain activities such as processing, aggregation, distribution of targeted agricultural products.
- Institutions such as schools, universities, or hospitals bringing producers together to establish cooperative or shared infrastructure or invest in equipment that will benefit multiple producers middle-of-the-supply-chain activities such as processing, aggregation, distribution of targeted agricultural product.



# **Subaward Grant Types**

# Resilient Food System Infrastructure (3)

### Infrastructure Grant - Min award \$100,000 and maximum award \$3M

- Subawards that will fund projects that expand capacity and infrastructure for the aggregation, processing, manufacturing, storing, transportation, wholesaling, or distribution of targeted agricultural products.
  - Match Requirement

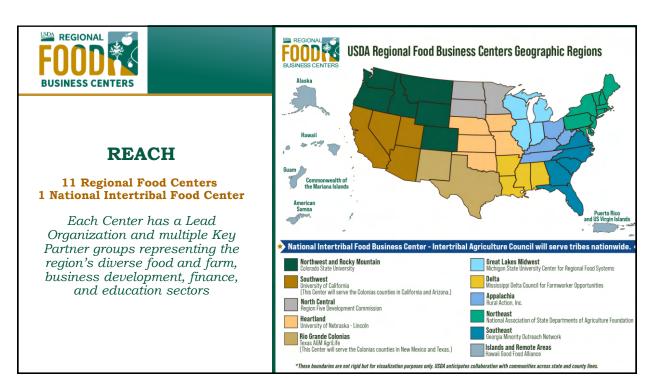
### Equipment-Only Grant- Min award \$10,000 and maximum award \$100,000

- The Simplified Equipment-Only option is a Fixed Price Grant, funding only equipment purchases (and not associated facility upgrades, staffing, or other costs), and the amount awarded will be equal to the cost of the equipment up to \$100,000.
  - o No match is required for this grant type.

### **How to Apply:**

- Apply through your state department of agriculture who are partnering with USDA to competitively subaward Infrastructure Grants
- They are opening their Request for Applications (RFA) as state plans are finalized.
- Check State's RFA Status Here:
  - ✓ https://www.ams.usda.gov/services/grants/rfsi/rfsi-rfa-status

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# Regional Centers + Business Builder Sub Awards:



### **Technical Assistance**

Training, consultation, and other support

### Coordination



Intentional connection to USDA and other funding and resources; deepening and broadening networks and collaboration



### **Capacity Building**

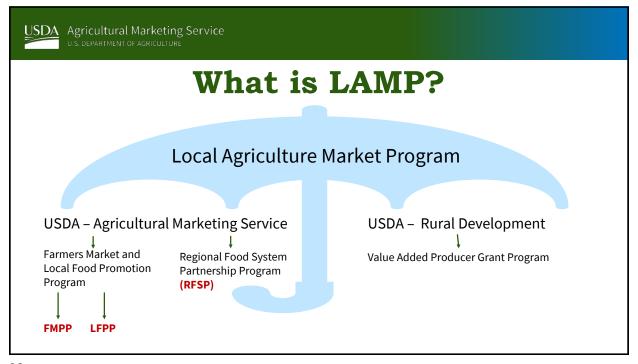
Direct investment in small and mid-sized food and farm business through sub award program

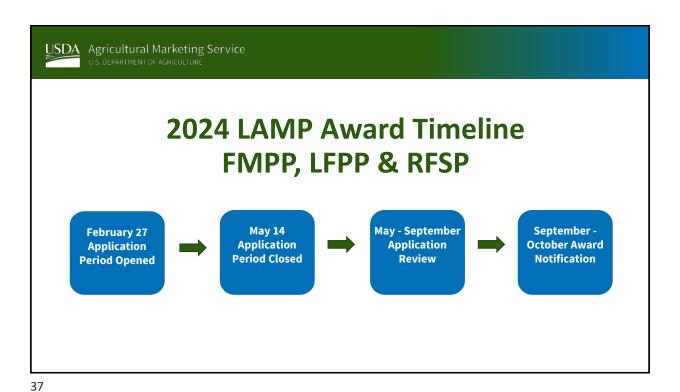
- Centers will fund small and mid-sized farm and food businesses through sub-awards.
- Capacity building efforts will focus on emerging regional needs and businesses that are working towards expansion and other investment.
- Centers will help local businesses and organizations build capacity to apply for funding (grants, loans) and execute successful projects.
- Centers will provide Business Builder subawards up to \$100,000.

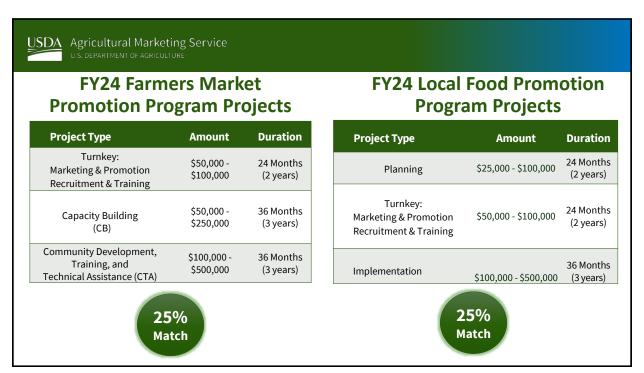
### **Business Builder Grant Status**

https://www.ams.usda.gov/services/local-regional/rfbcp/grant-status

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# **FMPP + LFPP Applicant Eligibility**

- Agricultural Business
- Producer Networks
- CSA Networks
- Food Councils
- Local Governments
- Non-Profit Corporations
- Public Benefit Corporations
- Economic Development Corporations
- Regional Farmers Market Authorities
- Tribal entities



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# USDA Agricultural Marketing Service U.S. DEPARTMENT OF AGRICULTURE

# **FY24 RFSP Project Types**

Туре	Amount	Duration
Planning & Design Grants	\$100,000 - \$250,000	24 months (2 years)
Implementation & Expansion	\$250,000 - \$1,000,000	36 months (3 years)

25% <u>Cash</u> Match

# Regional Food System Partnership

# Who is Eligible to Apply?

- Partnership: An agreement between one or more eligible entities and one or more eligible partners.
- An eligible entity or an eligible partner can submit the application on behalf of the partnership.

Eligible Entities	Eligible Partners	
Producer	State Agencies or Regional Authorities	
Farmer or Rancher Cooperative	Philanthropic Corporations	
Producer Network or Association	Private Corporations	
Majority-Controlled Producer-Based Business	Institutions of Higher Education	
Venture		
Food Council	Commercial, Federal or Farm Credit System	
	Lending Institutions	
Community Supported Agriculture (CSA) Network		
or Association		
Local Governments		
Nonprofit Corporations		
Public Benefit Corporations Economic Development Corporations		
		Regional Farmers Market Authorities
Tribal Governments		



### **PAUSE for Screen Shots**

# **Key Contact Information**

### **GAP Audits**

Ryan Wilson, Director Ryan.Wilson@usda.gov

Audit Services SCAudits@usda.gov

### Web:

https://www.ams.usda.gov/services/auditing/gap-ghp

### **NEW** USDA GAP Water FAQs

https://www.ams.usda.gov /sites/default/files/media/ GAPWATERFAQS.pdf

### **PACA**

Judith Rudman, Director judith.rudman@usda.gov

Travis Hubbs, Deputy Director

travis.hubbs@usda.gov

### National License Center

PACALicense@usda.gov

### **PACA Licensing:**

https://www.ams.usda.gov/ rulesregulations/paca/licensing

### **Organics**

Jennifer Tucker, Deputy Administrator

Jennifer.Tucker@usda.gov

Andrew Malone, Associate Deputy Administrator

Andrew.Malone@usda.gov

National Organic Program NOP.Guidance@usda.gov

### **Organic Insider**

https://www.ams.usda.gov/ reports/organic-insider

### **Market News**

Jason Karwal, Acting Director

jason.karwal@usda.gov

Heather Farber-Lau, Acting Deputy Director

heather.farberlau@usda.gov

### Web:

https://www.ams.usda. gov/ market-news

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### **PAUSE for Screen Shots**

# **Grants Contact Information**

Web: <a href="https://www.ams.usda.gov/services/grants">https://www.ams.usda.gov/services/grants</a>

# E-mails:

AMS General Grants: amsgrants@usda.gov

RFSI: RFSI@usda.gov

RFBC: RegionalFoodCenters@usda.gov FMPP and LFPP: FMLFPPgrants@usda.gov

RFSP: IPPGrants@usda.gov

# **THANK YOU**

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