



Organic Agriculture Research – The USDA-ARS Portfolio

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USDA-Agricultural Research Service

USDA NAREEE Board Organic Agriculture Subcommittee
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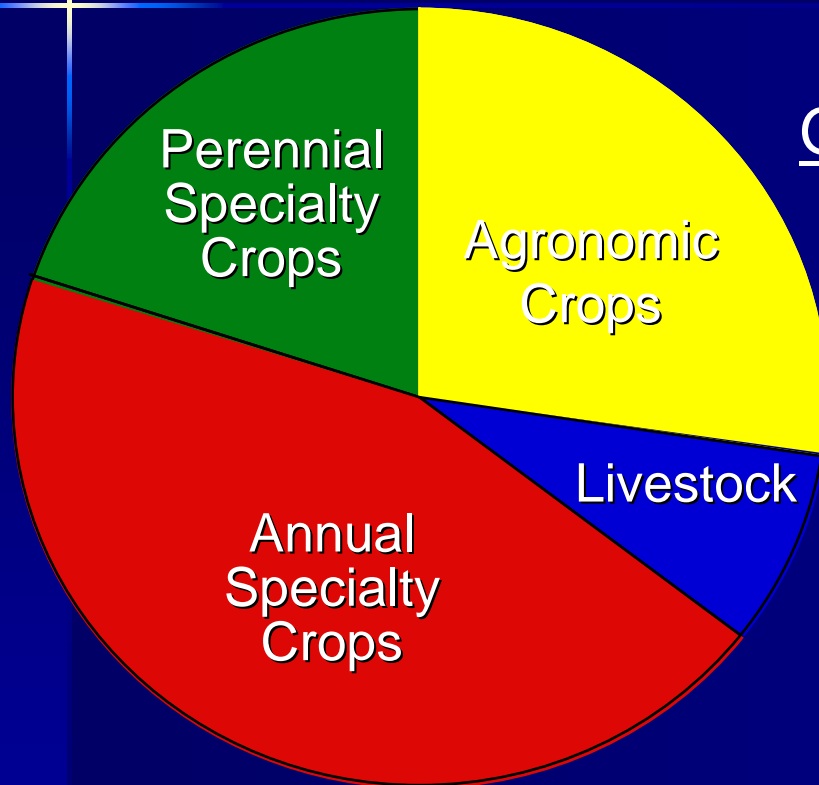
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- Research directly supporting - \$15,446,600
- Direct research, on-farm - \$8,244,400
- Other research indirectly supporting - \$45,374,000



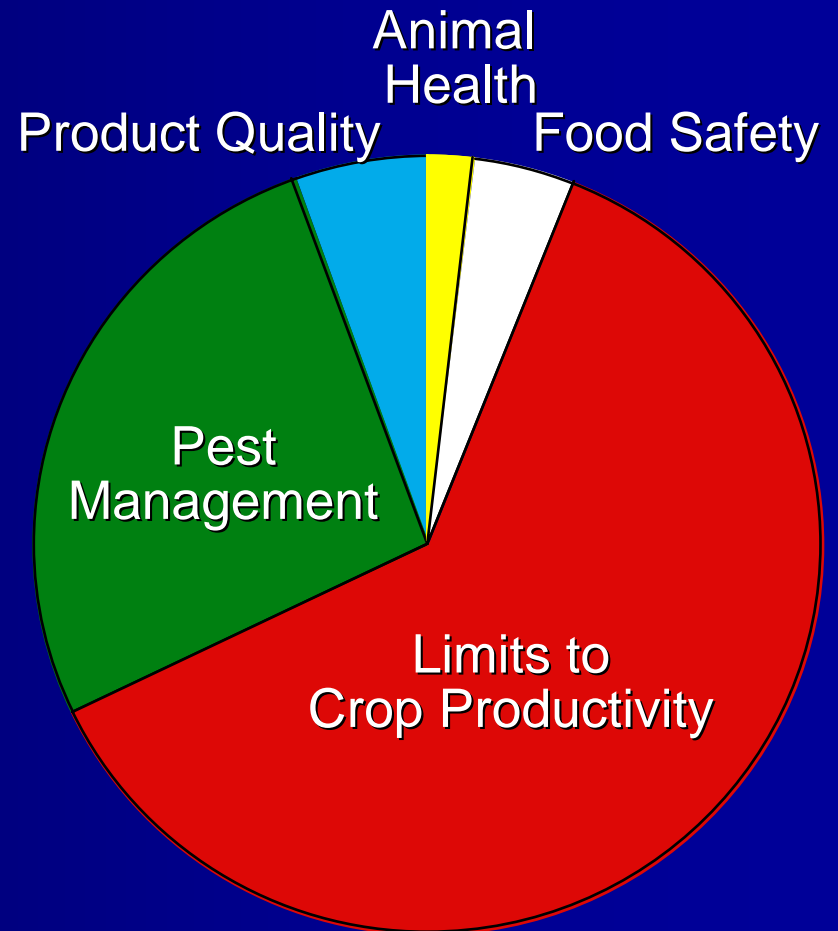
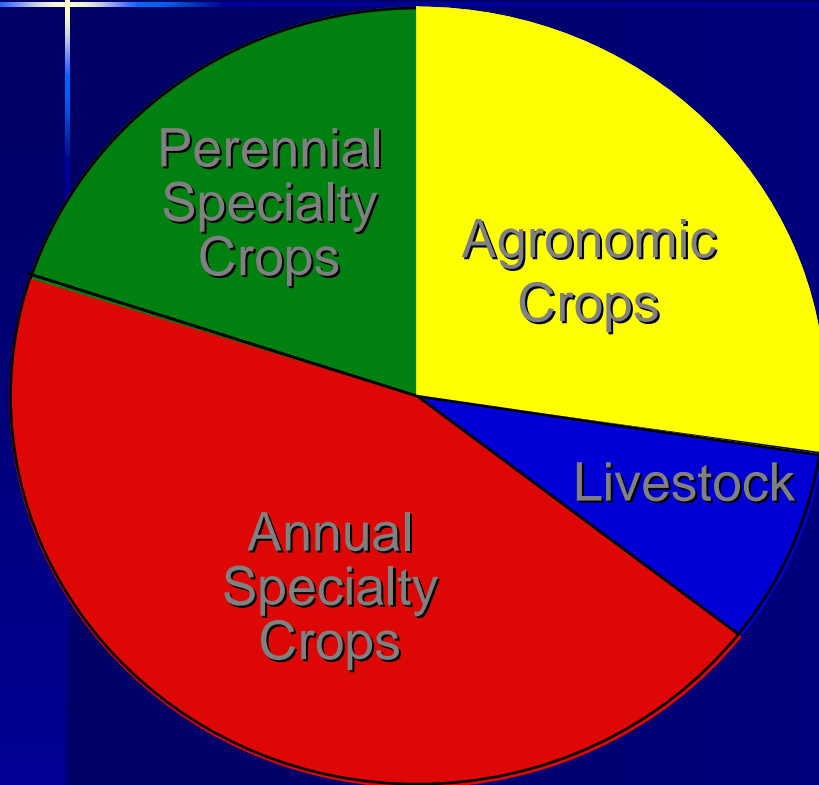
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Growth in ARS Organic Research:

- 91% increase in budget since 2002.
- Mostly grassroots growth as a part of National Program cycle.
- Locations responsive to needs of local customers.
- Science is applicable to both organic and conventional producers.

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Organic research is being conducted at:



Lane, OK
Certified Organic Farm

Ames, IA	Morris, MN
Beltsville, MD	Orono, ME
Beaumont, TX	Parlier, CA
Booneville, AK	Prosser, WA
Brookings, SD	Salinas, CA
Columbia, MO	Shafter, CA
Dawson, GA	Stoneville, MS
Geneva, NY	Tifton, GA
Ithaca, NY	University Park, PA
Kearneysville, WV	Urbana, IL
Lane, OK	Wenatchee, WA
Wyndmoor, PA	

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Develop transition strategies for conventional-to-organic production systems with known risk of economic loss.



Morris, MN
Dawson, GA
Beltsville, MD
Lane, OK



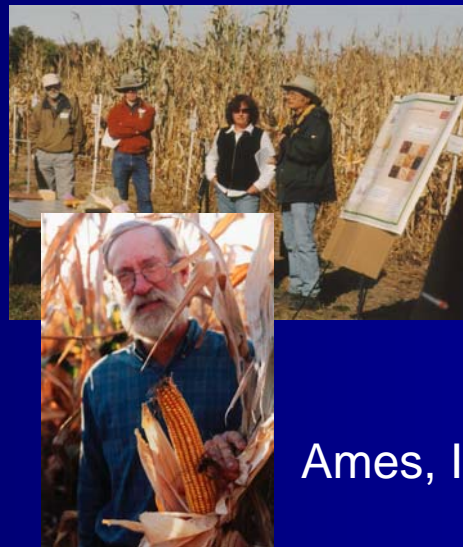
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Identify genetic plant growth efficiency mechanisms and combine with soil fertility management strategies to increase crop productivity with improved cultivars suited to organic production conditions.



Wyndmoor, PA



Ames, IA



Beltsville, MD

Organic Agriculture Research



Salinas, CA
Beltsville, MD
Orono, ME
Dawson, GA
Tifton, GA



Develop whole-system biological-based management strategies for weed, insect pest, and disease control using preventive approaches as first defense, and therapeutic controls as rescue practices.

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Develop whole-system biological-based management strategies for prevention of parasites in small ruminant grazing animals.



Rotational Grazing

Booneville, AR
Beaver, WV



High Condensed
Tannin Forages



Diagnostics



Resistant Breeds

Copper Oxide
Deworming
Treatment



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Determine the effects of organic production practices and whole-farm systems on ecosystem services, and provide guidelines that contribute to support of USDA Farm Bill Conservation Title.



Ames, IA
Beltsville, MD
Morris, MN
Orono, ME

Organic Agriculture Research



Determine the effects of organic production practices and whole-farm systems on ecosystem services, and provide guidelines that contribute to support of USDA Farm Bill Conservation Title.



USDA
Natural Resources
Conservation Service

NRCS Conservation Practice Standards:

- Adapted for state or local needs.
- Programs are open to all producers.
- Agricultural Management Act in 16 states, partnership with RMA to serve transitioning to organic agriculture.

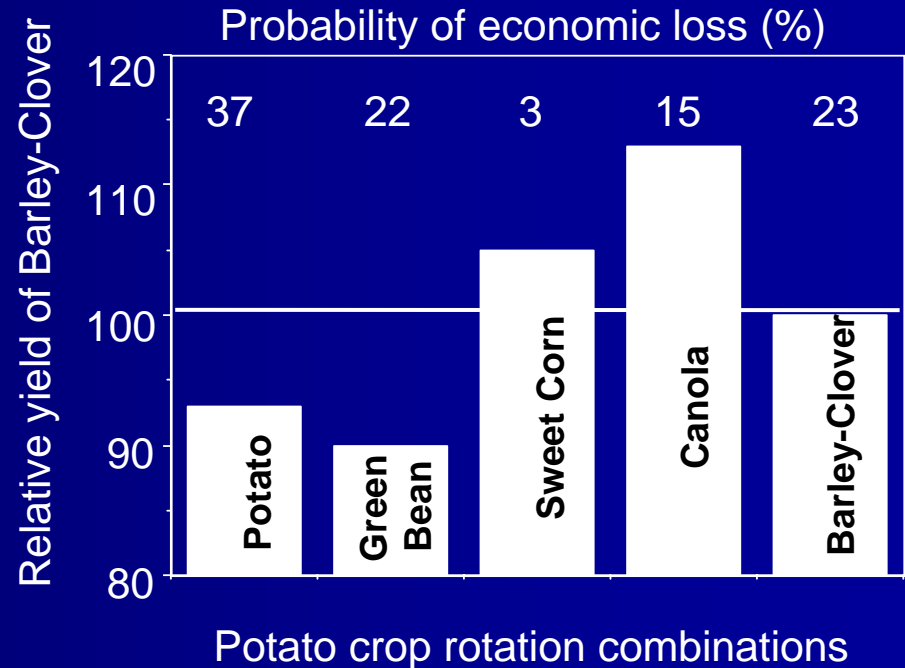
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Develop market-driven strategies to satisfy urban demand for regional specialty organic products, and diversify food supply chains for increased National food security.



Orono, ME



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Develop market-driven strategies to satisfy urban demand for regional specialty organic products, and diversify food supply chains for increased National food security.



Maine Fields



Boston Markets

USDA-Industry Partnerships:

- Collaborate with USDA-AMS to define markets capacity and product quality needs.
- Develop marketing chains to reach new market outlets.
- Industry partnerships with USDA-Rural Development to develop infrastructure to reach markets.

Organic Agriculture Research



Develop market-driven production strategies to satisfy urban population demand for regional specialty organic products, and diversify food supply chains for increased National food security.



Government-Private Partnerships:

- Agricultural Research Service
- Maryland Technology Development Corporation
- Renewable Carbon Management, LLC

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National Agricultural Library - Alternative Farming Systems Information Center:

A screenshot of the website for the Alternative Farming Systems Information Center (AFSIC). The page features a header with the USDA logo and the title "ALTERNATIVE FARMING SYSTEMS INFORMATION CENTER". Below the header is a navigation menu with links for Home, About AFSIC, Publications, Databases, Help, and Contact Us. The main content area includes a search bar, a "Browse by Subject" sidebar with categories like "Sustainability in Agriculture" and "Organic Production", a central "Spotlights" section with three featured articles: "Sustainable Agriculture Background and Concepts", "Community Supported Agriculture Find a farm near you!", and "Applying for a SARE Grant? Grant research assistance.", and a "I Want To..." sidebar with links to "Browse All AFSIC Topics", "Learn to Navigate AFSIC's New Web Site", "Explore Alternative Farming Methods", "Define Sustainable Agriculture", "Identify Farm Diversification Options", "Locate Funding Resources", "Explore Aquaculture", and "Search Historic Organic Documents". The page also includes a "See Also" section with links to "Rural Information Center", "Water Quality Information Center", "Organic Ag Info", "Cooperative Extension System Offices", and "Aquaculture Network Information Center (AquaNIC)". The footer indicates the page was last modified on August 29, 2007.

- Source for USDA organic information.
- Tools to access reliable high quality information on organic-related topics.
- Creates topical bibliographies and resource guides.
- Digitizes historic USDA publications (Organic Roots database).
- Directly answers customer questions.

Organic Agriculture Research



The vision for ARS Organic Farming research is to help the organic community overcome the challenges they face related to productivity, profitability, environmental stewardship, and energy efficiency