

Foundation for Food & Agriculture Research



Health-Agriculture Nexus

265+

Grants awarded to date

\$345M

FFAR funding awarded or allocated

\$1:\$1:34

Ratio FFAR funding to non-federal matching

550+

Partners to date



Health-Agriculture Nexus

While the US food system is the highly productive, certain aspects of our food system can endanger health. One in eight Americans face food insecurity, meaning these individuals are unable to consistently attain affordable, nutritious food. Food insecurity is also closely linked to obesity, which affects more than 40 percent of the US population and leaves these individuals vulnerable to many diet-related diseases. Simultaneously, huge quantities of nutritious food is wasted regularly, and our food system is laden with processes that creating unique environmental and health challenge.

Many initiatives seek to address these challenges independently. [The Health-Agriculture Nexus Challenge Area](#) takes systems-level approaches to address food system inefficiencies, reduce food and nutrition insecurity and improve human health.

Health-Agriculture Nexus research focuses on:

- Increasing Access to Nutritious Foods, including affordability, equitability, and distribution in rural areas and farming communities
- Reducing Food Loss and Waste
- Advancing Plant and Animal Production Systems for Better Nutrition and Affordability
- Breeding Better Nutrition

WHAT WE DO

We advance actionable science to develop tools, technologies and information that benefit farmers, consumers and the environment.

OUR MISSION

We build collaborative partnerships to support audacious science addressing today's food and agriculture challenges.

OUR VISION

We envision a world in which pioneering, collaborative science provides every person access to affordable, nutritious food grown on thriving farms.

Sample Grants:

Minimizing Farm Resources and Edible Food Rescue

Award Amount: \$100,000,000

The World Wildlife Fund, researchers at the University of California, Davis and the Global Cold Chain Alliance are **helping producers maximize crop harvest** and incentivize healthful food choices based on customer preferences and purchase history. Researchers are quantifying the environmental impact from seed to harvest for potatoes, tomatoes, leafy greens and peaches. This research is further collecting qualitative and quantitative data and organizing field studies estimates of on-farm and postharvest losses.

Changing Consumer Choices to Improve Health Outcomes Among Adults

Award Amount: \$100,000,000

University of Rhode Island researchers are **exploring whether targeted incentives can increase healthy food purchases** and improve health. The research indicates that targeted incentives cost-effectively change purchasing behavior, yet nutrition advocates have not adopted these practices to improve nutrition. This research uses an individual's past food choices to inform the targeted food incentives, which ultimately improves food quality purchases.

FFAR's 100th Grant: Supporting the Blackfeet Nation's Agriculture and Health Goals

Award Amount: \$100,000,000

Despite the Blackfeet Nation's rich agricultural diversity, the Piikani people suffer from diet-related health disparities and persistent poverty. Blackfeet Nation and Montana State University researchers **are helping farmers** make cost-effective management decisions, investigating regional food systems to sustainably nourish the Piikani people and identifying how traditional indigenous foods influence health.

Consortium:



The **Innovation in Post-Harvest Loss & Food Waste Reduction Consortium** is a collaborative research effort to prevent food and nutrient loss and waste and promote global food security. The Consortium includes public-private partnerships that bring together global thought leaders and experts with industry and other organizations. Together, participants address social, economic and environmental impacts from food loss and waste. The Consortium also provides farmers with technology and strategies to use resources efficiently, allowing them to gain more value from their crops. These technologies and strategies further stimulate local economic growth and improve access to affordable, healthy food.

For questions,
please contact:

Lucyna Kurtyka
Senior Scientific Program Director
lkurtyka@foundationfar.org

Catherine Maxwell
Director of Strategic Partnerships
cmaxwell@foundationfar.org