



# U.S. DEPARTMENT OF AGRICULTURE

The U.S. Department of Agriculture's (USDA) Science and Research Strategy (S&RS) is an invitation to our stakeholders and partners to join us in moving our research from "intention to action" in ways that benefit organizations and communities across the nation. It focuses on five key science priorities to transform U.S. agriculture through science and innovation:

**1. Accelerating Innovative Technologies & Practices**

**2. Driving Climate-Smart Solutions**

**3. Bolstering Nutrition Security & Health**

**4. Cultivating Resilient Ecosystems**

**5. Translating Research into Action**

## Priority 3: Bolstering Nutrition Security & Health



USDA will deliver science-based best practices and opportunities within the food system to support decisions related to food and nutrition security, dietary guidance, personalized food choices, food safety, nutrition and agriculture, while continuing to drive innovative solutions.

### Considering demographics in the expansion of science that influences food & nutrition security

- Tailored information & products
- Local & regional food businesses support
- Equitable Federal nutrition assistance programs
- Health equity lens for Dietary Guidelines

### Improving sharing & transparency of nutrition & health data

- Multi-disciplinary databases
- National nutrient database expansion
- Precision nutrition data needs

### Increasing data & analytics to enhance intervention & management strategies

- Cross-system relationships
- Artificial intelligence for food safety
- New sensing technologies
- Predictive modeling for food crop infections
- Predictive tools & mitigation approaches

### Identifying virulence factors in pathogens with new technologies

- Cutting-edge detection & protection tools
- Pathogen survival mechanisms
- Systems-based investigation
- Systems approach for pre-harvest pathogen sources

### Developing new evidence-based food systems

- Partner engagement
- Biomarker needs
- Diverse food safety models
- Food purchase trends

## Join the Conversation & Shape the Future of Agriculture!

We're turning intention into action and we're calling on **YOU** — our partners and stakeholders—to join us on this journey. Together, we're crafting a future that's innovative, sustainable, and transformative for agriculture and beyond.

### Share Your Input

Your voice matters! Have insights, ideas, or expertise to share? We want to hear them. Your input is invaluable as we lay the groundwork for real change. Share your thoughts by emailing [USDAScience@usda.gov](mailto:USDAScience@usda.gov)

### Lead a Discussion

Be a catalyst for change in your own community. Host your own stakeholder discussion. Download this **"Lead a Discussion" Digital Toolkit** and use this resource to gather your community, share ideas, and contribute to the vision of a progressive agricultural landscape.

### Share With YOUR Network

Want to share these ideas with your network? Share the **USDA Science & Research Strategy 2023-2026** and use the hashtags: **#USDAScience** **#USDAScienceMovesMe**

### Stay Connected and Informed

Stay connected on USDA Science and Research efforts. Visit the website [www.usda.gov/usda-science](http://www.usda.gov/usda-science) to explore updates, resources, and insights.

Follow **@USDAScience** for the latest science updates.