

Project Title	Grant Year	Grant End Year	Proj No	PD/PI	Institution	Program Code
Improving Plant Production and others						
More Bait for your Bushbeetle	2024	2028	2024-51300-43049	Murphy, K.	Washington State University	11.3.A
Genotype, environment, and management effects on corn yield response to nitrogen fertilizer in the US Corn Belt	2026	2029	2026-67013-45725	Archontoulis, S.	Iowa State University	A1102
Use of Microbes from Drosophila Strain to Enhance Solid Waste into Soil's Soluble Nitrogen Feed Rich in Microbial Peptides	2026	2029	2026-67021-45697	Ramiah Shanmugam, S.	Auburn University	A1531
The role of pollen nutrition in bumble bee colony health and species foraging preferences	2026	2028	2026-67039-45662	Hines, H.	The Pennsylvania State University	A1113
Addressing the Emerging Threat of Soybean Cyst Nematode to Soy Bean Yield Impact, Management, Strategies, and Future Education	2025	2028	2025-68008-44785	Yan, G.	state University	A1701
Plant Growth Promoting Bacteria (PGPR) as Bio-fertilizers for Potato Yield Enhancement	2025	2028	2025-67013-44496	Restrepo, S.	Boyce Thompson Institute for Plant Research Inc	A1153
Plant growth promotion in the face of the whitefly pest and disease	2024	2028	2024-51181-43302	Rollins, J.	University of Florida	SCRI
Traversing the wild crop interface to restore microbial networks for enhanced plant defense	2026	2030	2026-67039-45655	Enders, L.	Purdue University	A1402
Evaluating efficacy and specificity of multiple genomic editing for broad and durable disease resistance in tomato	2025	2029	2025-33522-45304	Rodriguez Leal, D.	University of Maryland, College Park	HR
Resolving the Impact of Genomic Rearrangement Induced by Multiple Genome Editing in Tomato	2025	2029	2025-33522-45288	Li, Y.	University of Connecticut	HR
Integrating Genomic, Genomic, and Metabolomic Data to Breed Biochemicals for Improved Flavor	2023	2029	2023-67013-39448	Worthington, M.	University of Arkansas System	A1141
Genetic engineering and metabolite production to control yield and nutrient efficiency	2024	2028	2024-67013-42713	Reis, S.	Washington State University	A1103
Minimizing Genetic and Genomic Resources to Develop Strawberry Cultivar Resistant to Multiple Fruit Rot Diseases	2024	2028	2024-67013-42591	Feldmann, M.	University of California, Davis	A1141
Host associated nematodes as a biocontrol mechanism for fig endoparasit in the cultivated fig Ficus carica	2026	2028	2026-67039-45672	Van Geer, J.	University of Missouri	A1112
The Bitter-Sweet and the Sweet-Bitter: Addressing European-Asian Beer Divergence to Brew	2026	2029	2026-67039-45821	Juraj Fuentes, J.	University of Tennessee	A1112
Management of insect Vectors of Plant Pathogens Using Microbes and Modern Modeling	2026	2031	2026-67039-45729	Enders, L.	Purdue University	A1112
Exploring the Feasibility of End of Production Regimes, To Improve Leafy Green Nutritional Content, Appearance, and Post-Harvest Longevity	2023	2028	2023-68013-39640	Walters, K. J.	University of Tennessee	A1102
Improving Plant Production and others						
Cancer Risk by Unique Neurotoxic Anthocyanin-Enriched Bioengineered Tomatoes	2024	2029	2024-67017-42463	Wang, W.	Kansas State University	A1343
Maternal Intake of Eggs and Infant Neurodevelopmental Outcomes	2025	2028	2025-67017-44743	Christiano, D.	University of Kansas Medical Center	A1811
Reducing Pesticide Consumption for Late Post-harvest Health: A Two-Year Intervention	2025	2030	2025-67017-44725	Hoodbomand, S.	San Diego State University	A1811
HEALTHY BEER: Epidemiological Evidence and Gut Microbiota Modulatory Effects of Beer Catechins	2026	2029	2026-67017-45557	Johnson, S.	Florida State University	A1343
Elucidating the effect of dietary oleic acid on the regions	2025	2028	2025-67017-44989	Mathian, N.	Trustees of Tufts College	A 1343
Determining the interrelationships for dietary intake of lipids	2024	2028	2024-67018-42434	Benninghoff, A.	Utah State University	A 1343
OGAS: Harnessing the Power of Artificial Intelligence and Data Analytics to Optimize Agricultural Services and Enhance Crop Production Resilience to Environmental Stressors and Pests	2024	2028	2024-67021-42520	Garcia, C. D.	Clemson University	A1541
HEALTHY BEER: Epidemiological Evidence and Gut Microbiota Modulatory Effects of Beer Catechins	2024	2028	2025-38821-45454	Harris, R.	West Virginia State University	EQ
HEALTHY BEER: Epidemiological Evidence and Gut Microbiota Modulatory Effects of Beer Catechins	2024	2028	2024-67018-42493	Miles, M. P.	Montana State University	A1343
Production Practices that will Maximize Bioactive Potential	2023	2028	2023-67017-40223	NATARAAN, S. K.	Saes - University of Nebraska	A1343
Agricultural Microbiomes in Plant Systems, Animals and Natural Resources						
Assessment of environmental impacts and ecological consequences associated with genetically engineered microbes in livestock production systems	2024	2028	2024-33572-43609	Fernando, S.	University of Nebraska	HR
Discovering disease-protective symbiotic processes across endophytic microbiomes of banana	2024	2029	2024-67017-42482	Brown, A.	Texas Tech University System	A1402
Implementing cover crops and on-farm additions to improve soil microbiomes and mitigate stress in semi-arid regions	2024	2028	2024-67013-41943	Slaughter, L.	Texas Tech University System	A1811
Elucidating Translational Microbial Community Assembly in the Balford Phyllosphere during Fusicum Infection	2025	2028	2025-67039-44778	Baldwin, T.	North Dakota State University	A1402
Elucidating the Role of the Microbiome on Turkey Growth Through Fungal Microbiota Transplantation	2025	2028	2025-77045-45286	Johnson, T.	Purdue University	LHR
Improved Production, Methods for Food Security and Safety						
Increasing Food Security and Stability Building in Mexico: Using Precision Agriculture and Data Analytics	2026	2028	2026-38424-45578	Soundappan, T.	Navajo Technical University	ZF
POPBANS SBEP: Protein-rich Wholebean Popping Beans to Enhance Agricultural Production, Nutrition, and Sustainability	2024	2028	2024-51181-43288	Gang, D.	Washington State University	SCRI
Improving Food Safety with In Vitro Human Digestive System Modeling: Assessing Novel Foods	2025	2030	2025-67017-44945	Chen, Y.	Trustees of Tufts College	A1364
Adopting and validating essential food safety protection principles to control food producers in Texas and Arkansas	2025	2028	2025-70020-45340	Taylor, T.	Texas A&M Agrilife Research	A4182
Cold plasma innovations in drying pretreatment of fruits and nuts, enhancing efficiency and reducing energy consumption	2025	2028	2025-67017-44836	Wang, Q.	Oregon State University	A1364
HEALTHY BEER: Next-Generation Surface-Targeted Bacteriophage Phages Solutions for Improved Food Safety and Shelf Life Enhancement From Electrode Design to Commercial Application	2025	2028	2025-67017-44830	Sahi, D.	North Carolina State University	A1364
2021 FARAD - Food Animal Residue Avoidance Database Program - UF Component	2025	2028	2025-41480-45217	Mausell, F.	University of Florida	FARAD
Collaborative Education and Research in Micro-Nano-Plastics to Train a Diverse and Talented Workforce for Environmental Remediation	2024	2028	2024-77040-43102	Ren, J.	Texas A & M University Kingsville	NI
Enhancing Agricultural and Smart Agriculture: Nanobubble-Enriched Hydrogels For Improved Water And Nutrient Delivery To Foster Plant Growth	2024	2028	2024-67021-42716	Zhang, W.	New Jersey Institute of Technology	A1511
Working with college professors to develop food safety tools and training to support small food businesses	2025	2028	2025-70020-45343	Ubbink, J.	Regents of the University of Minnesota	A4182
Methods to enhance endophytic growth, plant health, performance and better health for small farms	2025	2029	2025-68006-45035	Amalardjous, M.	University of Connecticut	A 1601
The Herder Jumps over the ocean: Evaluating the Impact of air and ocean transport on nutrient mobilization	2026	2028	2026-67015-45702	Reichhardt, C.	University of Hawaii	A 1251
Bringing Down Foodborne Borne Aids Through Realistic Healthy People 2030 Goals and Research	2025	2030	2026-67017-45540	Chen, Y.	Tufts University	A 1332
Enhancing Food Safety with In Vitro Human Digestive System Modeling: Assessing Novel Foods	2025	2030	2025-67017-44945	Chen, Y.	Trustees of Tufts College	A 1364
Sustainable Production of Food Ingredients and Bioproducts from Cattle Manure: Key to Bridge Rural Socio-Economic & Health Disparities	2025	2030	2025-68012-44212	Talbot, S.	Texas A&M University	A 9201
Diet, Nutrition and the Prevention of Chronic Disease						
Through Gut Microbiome Bone Aids: A Randomized Clinical Trial Coupled with a Multi-omics Approach to Inform Precision Nutrition	2025	2029	2025-67018-45103	Chen, O.	University of Connecticut	A 1343
Using Metabolite as a Novel Pathway to Predict the Anti-Inflammatory Effects of Polyphenolic-rich Foods	2025	2028	2025-68015-44997	Bettaieb, A.	University of Tennessee	A 1344

