



Ag Research Grant Program 2022-23 Awardees

Center for Dairy Excellence, Harrisburg, Dauphin Co.

- Studying implications for dairy farmers of proposed reforms to the federal Milk Marketing Order, the rules surrounding dairy processor milk purchases – \$30,000

Pasa Sustainable Agriculture, Berks County

- Supporting farmers in setting management goals for improving soil health and measuring resulting improvements – \$135,000

Pennsylvania State University, State College, Centre Co.

- Ag Resource Centers – \$300,000
- Center for Agricultural Law – \$100,000
- Mitigating spotted lanternfly damage through biological control with endemic insect predators – \$64,000
- Developing methods of detection and diagnosis of complex bacterial respiratory pathogens in poultry – \$18,249
- Studying the impact of recently banned antibiotics on antibiotic-resistant bacteria – \$22,124
- Developing an airway tissue model for isolating and evaluating bovine viruses – \$19,146
- Tracing viral infections in sheep and goats through complex nucleotide sequences – \$20,000
- Assessing whether anti-inflammatory treatment prior to birth improves colostrum quality and calf health – \$14,754
- Assessing the effect of feed additives poultry health and productivity – \$40,754
- Applied research on the impact of vitamin supplements in pregnant sows on piglet health – \$63,892
- Investigating Cache Valley Virus and the frequency of related abortions in sheep and goats – \$26,245
- Expanding the use of new integrated pest management to control phorid flies in mushroom production – \$126,718
- Exploring effectiveness of a tiny parasitic wasp species as a natural enemy of spotted wing drosophila, an insect that destroys berries and grapes – \$66,775
- Assessing the shortage of affordable housing and the extent of its impact on agricultural labor – \$43,101
- Measuring erosion and water quality in Halfmoon Creek in Centre County – \$175,000
- Determining the impact of insect pests on hemp crops – \$53,298
- Measuring the impact of organic soil amendments on plant absorption of lead in urban soil – \$74,507
- Establishing the best crop management methods to encourage mason bee pollination in fruit orchards – \$31,413

Rodale Institute, Berks County

- Preparing a skilled agriculture workforce and fostering understanding of sustainable, regenerative farming methods – \$500,000

Stroud Water Research Center, Chester County

- Measuring the impact of agricultural restoration practices on water quality in Lancaster County streams in the Chesapeake Bay watershed – \$85,000

University of Pennsylvania School of Veterinary Medicine, Philadelphia

- Developing methods of measuring and predicting methane emissions from dairy cows – \$57,500
- Studying the effect of dietary zinc supplements on the health of dairy cows and calves – \$31,114
- Developing a method to measure per- and polyfluoroalkyl substances (PFAS) in bovine serum and milk – \$23,406
- Refining methods of detecting chronic wasting disease by odor in deer feces – \$65,001