

# EASTERN SHORE

Agricultural Research and Extension Center



Graduate student research at the Eastern Shore AREC greatly impacts our stakeholders, growers and industry on a local, national, and global level. Currently, students are working on eliminating foodborne human pathogens in packinghouses, conversion of chicken litter ash into comparable phosphorus fertilizer sources, and decreasing weed pressure using new, innovative modes of action.

Students participate in monthly seminars, guide AREC tours, and assist in all outreach activities. They work hand in hand with faculty, staff, fellow students and hourly employees in all aspects of their research. These interactions ensure that students are prepared to become the next generation of teachers, researchers and innovators.

Keren Duerksen, a graduate research assistant, works to develop nitrogen and sulfur recommendations for oilseed soybean and edamame for Virginia Farmers

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## PARTNER WITH US

33446 Research Drive, Painter, VA 23420  
(757) 807-6586  
[www.arec.vaes.vt.edu/arec/eastern-shore](http://www.arec.vaes.vt.edu/arec/eastern-shore)



“One of the most rewarding parts of my job is the ability to help growers, industry, and academia across all disciplines in every aspect of field research here at the AREC.”



**JAMES WARREN**  
AGRICULTURAL SPECIALIST SR.

“It is important for growers to be able to diversify our crops and edamame has the potential to be an alternative in our farming systems. I’m pleased that the Eastern Shore Agricultural Research and Extension Center is doing research which will help make edamame a viable crop.”



**JUSTIN COLSON**  
C&E FARMS, OPERATIONS & SALES

# EASTERN SHORE AREC AT A GLANCE



## DISCIPLINES

- Soils & Nutrient Management
- Weed Management Technologies
- Integrated Pest Management
- Horticultural Cropping Systems
- Foodborne Illness Research & Prevention
- Vegetable Disease Epidemiology

## INNOVATIVE TECHNOLOGIES

- Unmanned Aerial Vehicles (UAVs) for assessing plant health & weed management
- Fertilizer source and application technologies
- Molecular Identification of Plant & Human Pathogens
- Advanced pollinator habitats

## FACILITIES

- 220-acre farm
- 7500 sq. ft. Modern Equipment Building
- 2700 sq. ft. Renovated Greenhouse
- 3 Biosafety Level 2 Laboratories
- Onsite Student Housing

## INDUSTRY PARTNERS

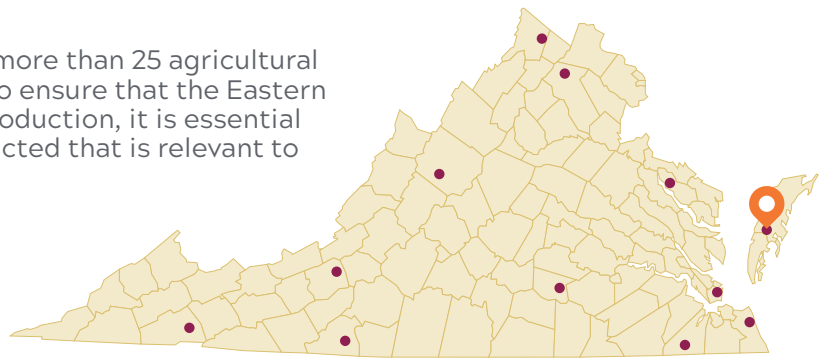
- Commercial Fruit and Vegetable Producers and Packers
- Potato, Vegetable, Corn, Small Grains and Soybean Associations
- Agricultural Fertilizer, Technology, and Chemical Companies
- Virginia Master Gardeners
- USDA-Natural Resources Conservation Services
- Soil & Water Conservation Districts

## ABOUT THE EASTERN SHORE AREC

Established in 1956, the Eastern Shore AREC grows more than 25 agricultural crops annually for research and Extension studies. To ensure that the Eastern Shore remains a leader in commercial agriculture production, it is essential that new, state-of-the-art applied research is conducted that is relevant to local large and small-scale farming operations.

## A COLLABORATIVE NETWORK

The ARECs are a network of 11 centers strategically located throughout the state that emphasize close working relationships between Virginia Agricultural Experiment Station, Virginia Cooperative Extension, and the industries the work with. The mission of the system is to engage in innovative, leading-edge research to discover new scientific knowledge and create and disseminate science-based applications that ensure the wise use of agricultural, natural, and community resources while enhancing quality of life.



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