

EASTERN SHORE

Agricultural Research and Extension Center

Graduate students 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 properly managing and cycling soil nutrients, developing disease management strategies specific to Virginia to protect young sweet corn seedlings, herbicide resistance, integrated weed control for row crops, and working with Uncrewed Aerial Vehicles (UAVs) for assessing plant health and weed management. The students work hand in hand with faculty, staff, fellow students and hourly employees in all aspects of their research to conduct accurate and relevant studies. These interactions ensure that students are prepared to become the next generation of teachers, researchers and innovators.

ABOUT THE EASTERN SHORE AREC

Established in 1956, the Eastern Shore AREC grows more than 25 agricultural crops annually for applied research and Extension studies. To ensure that the Eastern Shore remains a leader in commercial agricultural 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.

"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



Akash Brar, PH.D. Candidate, works to bring drone spray technology to farmers' fields by standardizing UAVs for herbicide application.

PARTNER WITH US

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w w.arec.vaes.vt.edu/arec /
eastern-shore



EASTERN SHORE AREC AT A GLANCE



DISCIPLINES

- Soils & Nutrient Management
- Weed Management Technologies
- Integrated Pest Management
- Horticultural Cropping Systems
- Vegetable Disease Epidemiology

INNOVATIVE TECHNOLOGIES

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

FACILITIES

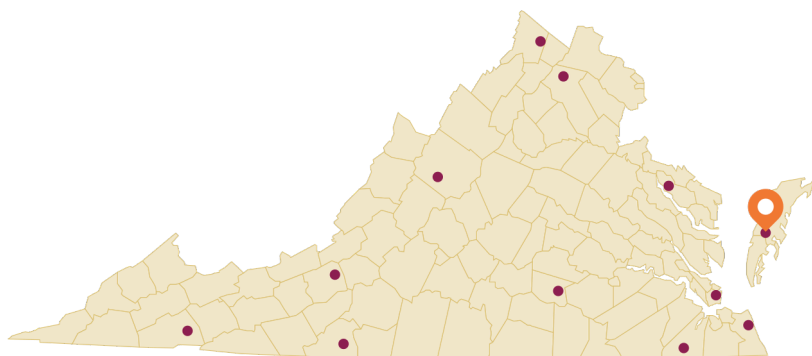
- 220-acre farm
- 7500 sq. ft. Modern Equipment Building
- 2700 sq. ft. Renovated Greenhouse
- 3 Biosafety Level 2 Laboratories
- Onsite Student Housing

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

A COLLABORATIVE NETWORK

The ARECs are a network of 11 centers strategically located throughout the Commonwealth that emphasize close working relationships between Virginia Agricultural Experiment Station, Virginia Cooperative Extension, and the industries they 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.



Virginia Cooperative Extension is a partnership of Virginia Tech, Virginia State University, the U.S. Department of Agriculture, and local governments. Its programs and employment are open to all, regardless of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, ethnicity or national origin, political affiliation, race, religion, sexual orientation, or military status, or any other basis protected by law. Virginia Cooperative Extension is committed to a policy of non-discrimination in employment and education and complies with the requirements of the Americans with Disabilities Act of 1990 (ADA) and the Rehabilitation Act of 1973, which prohibit discrimination against persons with disabilities.



VIRGINIA AGRICULTURAL
EXPERIMENT STATION
VIRGINIA TECH.

