

HAMPTON ROADS

Agricultural Research and Extension Center



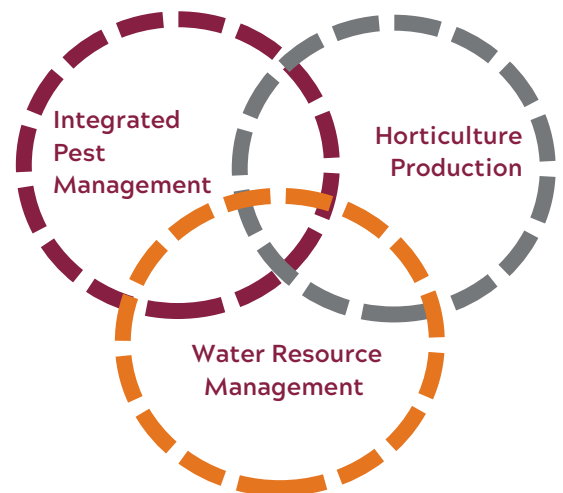
The Hampton Roads Agriculture Research and Extension Center (AREC) is a leading resource for agricultural innovation and education and . Located in Virginia Beach, Virginia, the center supports local farmers, nursery producers, and researchers.

This station addresses nursery production, greenhouse production, landscape and turfgrass maintenance, small fruit production, and urban storm water management. While Each program is distinguished by their independent research projects they are interconnected by their impacts and goals.

The Hampton Roads AREC maintains Demonstration Gardens that have welcomed visitors for 51 years. These 31 diverse gardens, maintained by faculty and volunteers, serve as a vital resource for the community.

By working directly in their community—whether it's a major state grower or a Master Gardener volunteer—the faculty at the Hampton Roads AREC gets to know their stakeholders and equips them with latest tools and research.

David Sample, the station's biological systems engineer, is a co-Principle Investigator on a stormwater management project assessing runoff from utility-scale solar sites. By constructing funnels on site the team collects runoff using an automatic sampler that get brought back to the station and tested for sediment.



Mr. Bobby Dyer, mayor of Virginia Beach, dedicated the new pollinator garden at the research station during the turfgrass field day. The mayor toured the HRAREC during his visit, declaring that the HRAREC was a valuable resource to the city and a hidden gem.



"I appreciate the work that our small fruit specialist does on strawberry variety evaluation and fumigation alternatives"- George Snead, Braehead Farm, Fredericksburg, VA.



HAMPTON ROADS AREC AT A GLANCE



DISCIPLINES

- Nursery crops
- Pest management
- Small fruit production
- Stormwater management
- Turfgrass maintenance

INNOVATIVE TECHNOLOGIES

- Anaerobic soil disinfestation
- Digital image analysis
- Solar-heated greenhouse
- Stormwater modeling
- Uncrewed Aerial Vehicles (UAVs) for assessing plant health & weed management

FACILITIES

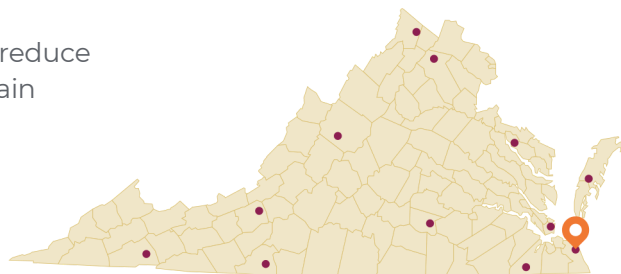
- 8 laboratories
- 7 greenhouses
- 3 classrooms
- Container and field research areas

INDUSTRY PARTNERS

- Nursery industry
- Lawn care
- Landscape industry
- Strawberry producers
- City governments

ABOUT THE HAMPTON ROADS AREC

Our plant pathologist addresses boxwood blight and tactics to reduce diseases in recycled irrigation water. Our horticulturist utilizes rain gardens and other techniques in landscapes. Modeling and monitoring urban



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.

PARTNER WITH US

1444 Diamond Springs Road
Virginia Beach, VA 23455
(757) 363-3900 w w
[w.arec.vaes.vt.edu/arec / hampton-roads](http://w.arec.vaes.vt.edu/arec/hampton-roads)



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