



VIRGINIA AGRICULTURAL EXPERIMENT STATION
EASTERN VIRGINIA AGRICULTURAL
RESEARCH AND EXTENSION CENTER
VIRGINIA TECH.

EASTERN VIRGINIA AREC NEWSLETTER

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Dr. Joseph Oakes
Superintendent
Eastern Virginia AREC



We hope that everyone had a great summer! As the calendar turns to September, days are getting shorter, temperatures are starting to cool down, and we will soon be in the midst of soybean harvest and small grain planting.

Our semi-annual soybean field day will be here in a couple weeks on the morning of September 23. This event will highlight soybean research here at the center, including updates from the breeding program, management strategies, and a look at new projects in the Center for Advanced Innovation in Agriculture. The event will conclude with a BBQ and Seafood lunch! Due to the location of our soybean field plots, the field tours will be held at 3133 Menokin Road, Warsaw, VA, which is about a half mile north of our main farm. We hope to see a good number of you here, and if you have questions, please contact us.

- Joseph

follow us:



AROUND THE CENTER



Michelle Lee, Research Specialist, and Austin Gulasky, Admin and Field Specialist, collecting phenotypic data in soybean



Mark Vaughn, Research Specialist, spraying soybean plots (right) and calibrating the sprayer (left).



Dr. Josh Fitzgerald, Research Associate, grinding small FHB samples (left) and Interns Chandler Jett and Channing Saunders cleaning seed (right)



Recent Grants & Publications

Grants:

- Small Grains Research Program Support. \$8,500. Joseph Oakes. Virginia Small Grains Board. Eastern Virginia AREC Soybean Research Support. **\$7,500**. Joseph Oakes Virginia Soybean Board.
- Evaluate Hyper-Spectral Imaging in Quantification of DON Toxin Levels in Small Grains in Virginia. 10,000. Song Li, Joseph Oakes, Xing Wei, David Schmale

Publications:

- Chen, L., W. Wang, J. Ping, J. Fitzgerald, Cai, G., Clark, C.B., Aggarwal, R., & Ma, J. 2021. Identification and molecular mapping of Rps14, a gene conferring broad-spectrum resistance to Phytophthora sojae in soybean. Theoretical and Applied Genetics. <https://doi.org/10.1007/s00122-021-03933-9>
- W. Thomason, N. Santantonio, C. Bishop, E. Rucker, T. Custis, H. Fame, K. Jones, J. Oakes, M. Vaughn, N. Jones, W. Brooks, J. Light, B. Clark, G. Lillard. Small Grains in 2021. [Small Grains in 2021 \(vt.edu\)](https://www.vt.edu/small-grains-in-2021)

Virginia Soybean Field Day

The 2021 Virginia Soybean Field Day will be here at EVAREC on September 23. Visit our website for more info and to register:

<https://www.arec.vaes.vt.edu/arec/eastern-virginia.html>.

Eastern Virginia AREC's mission is to serve Virginia's grain and soybean industries through research and educational programs leading to improved varieties and crop management practices. Our research objectives are to support the Virginia Tech soybean and small grain breeding programs, and to conduct agronomic research that contributes to economically and environmentally sound crop production in the Commonwealth and beyond.



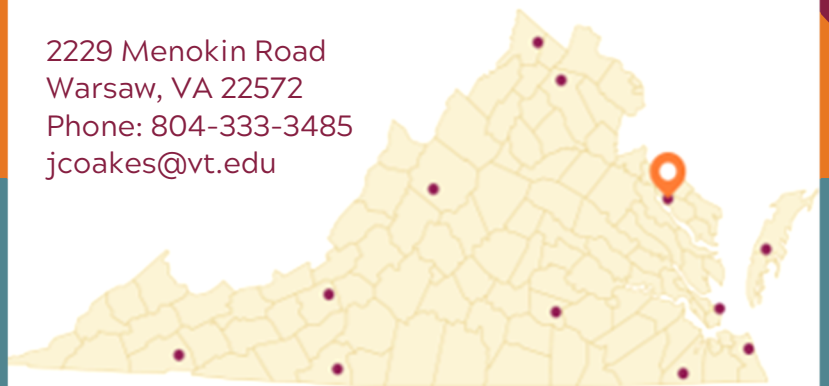
A COLLABORATIVE NETWORK

The ARECs are a network of 11 centers strategically located throughout the state that emphasize the 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.



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Eastern Virginia Agricultural Research and
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