



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



Greetings from the Eastern Virginia AREC! We hope that everyone had a successful spring planting and summer harvest season. We had a successful small grain season with many yields in the 100 bu/ac range. State variety test data for wheat and barley has been analyzed and a publication will be available. However, if you are interested in seeing preliminary data, there is a link in this newsletter, under "recent grants & publications".

The **Virginia Ag Expo** is only a week away, on August 4, 2022. This year it will be held at Mill Creek Farms @ Camden in Port Royal, VA. We will have a booth and displays under the Virginia Tech tent, co-hosted by the **Center for Advanced Innovation in Agriculture**, so come on by to see us if you are at the expo!

- Joseph

follow us:



Virginia Small Grain Field Day Highlights

Eastern Virginia AREC and the Virginia Grain Producers Association once again joined forces to host the Virginia Small Grains Field Day at Eastern Virginia AREC in Warsaw, VA on May 19, 2022. The day included field tours discussing progress in the small grain breeding program including upcoming variety releases, progress of malting barleys, remote sensing research, and disease management. In addition, we celebrated the career of Dr. Carl Griffey and received an update from Secretary of Agriculture and Forestry Matthew Lohr. If you missed the event, [click here](#) for a recap and recording of presentations.



Equipment Upgrades

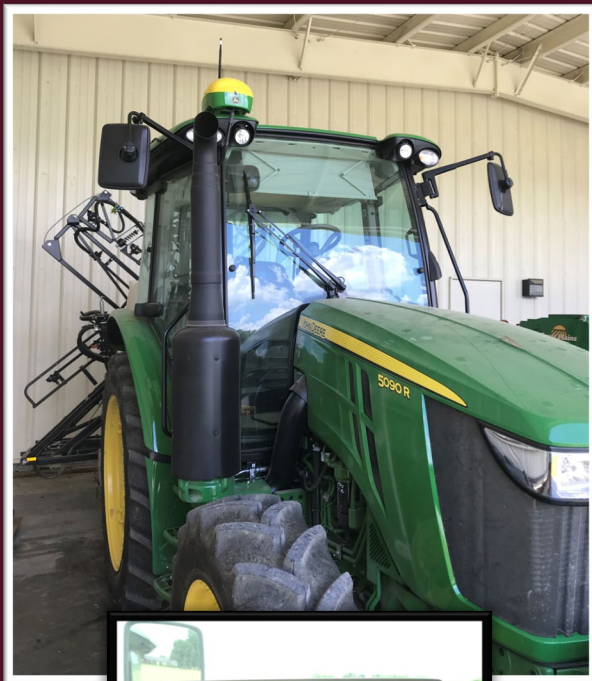
This past year we received several new equipment and technology upgrades because of AREC Equipment Grants from funding through the General Assembly. Check out some of our upgrades below!



Zurn 150. Equipped with technology to automatically record plot weights and yields as they are harvested.



John Deere 5090R. Tractor is equipped with autosteer to use for planting and spraying



RTK/Wireless tower. RTK will increase accuracy of GPS on tractors. Tower is also equipped with a Dell wireless signal to give us wireless connectivity throughout the farm in the field.



Recent Grants & Publications

Grants:

- Validating the Use of Aerial Imagery to Apply Nitrogen in Winter Wheat. Joseph Oakes, Maria Balota. Virginia Agricultural Council. \$10,000
- Small Grain Research Program Support. Joseph Oakes. Virginia Small Grains Board. \$8,000.

Publications:

- Liu, L., Griffey, C. A., Brooks, W. S., Seago, J. E., Fitzgerald, J., Thomason, W., Hokanson, E. G., Behl, H. D., Oakes, J., Pitman, R. M., Dunaway, D. W., Vaughn, M. E., Lee, M., Barnett, M. D., Custis, J. T., Chen, R. Y., Fountain, M., Marshall, D., Cowger, C., Cowger, C., Cambron, S., Jin, Y., Chen, X., Beahm, B., Browning, P., Hardiman, T., Osborne, S., Lin, C. J., Mennel, D. F., ... Santantonio, N. (2022). Registration of 'Hardy 2519' wheat. *Journal of Plant Registrations*, 16, 385- 393. <https://doi.org/10.1002/plr2.20221>

2022 Virginia Small Grain State Test Data

- <https://drive.google.com/drive/folders/1-P2ifuhX895ffFJuGsaBOGNuoSdK0QQh?usp=sharing>



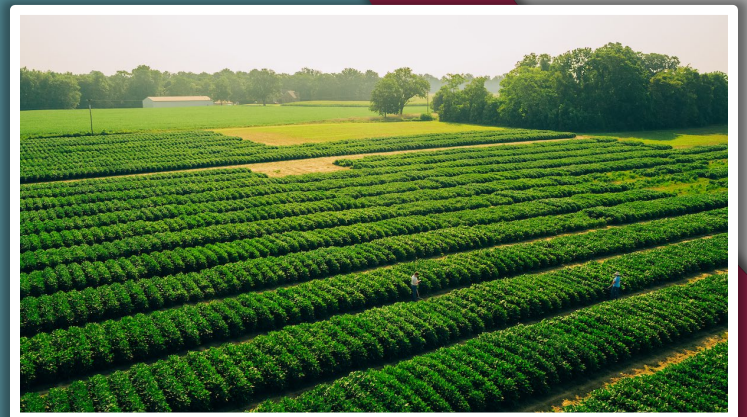


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Eastern Virginia AREC's mission is to serve Virginia's grain and soybean industries through research and educational programs leading to improved varieties and crop management practices. Our research objectives are to support the Virginia Tech soybean 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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