



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

EASTERN VIRGINIA AREC NEWSLETTER

VOLUME V, ISSUE III

December 2024



Dr. Joseph Oakes,
Superintendent
Eastern Virginia AREC



Greetings from Eastern VA AREC,

As we wrap up another successful field season, I would like to thank our staff for their commitment to our research and extension programs. Their hard work is crucial to our success at the center!

It was an extremely dry fall here at the center, with only 0.2 inch of rain from Oct. 1-Nov. 9. This created serious moisture issues and delayed most of the wheat planting until early November. Timely rains since planting has the wheat off to a good start though.

We have recently wrapped up soybean harvest. State test data is now available for full season and double crop tests here at Warsaw, as well as other location across the Commonwealth. This link is available on page 4.

We hope you have a Merry Christmas and a wonderful Holiday Season!

- Joseph

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2024 Soybean Field Day



On September 12, we hosted the Virginia Soybean Field Day in collaboration with the Virginia Soybean Association that was attended by nearly 60 participants. Presentations and field tours were given by Dr. Carrie Ortel, Dr. Bo Zhang, Dr. David Langston, Robert Harper, Yaojie, Zhang, and Bodie Fletcher.



Research Spotlight

New Website for Corn and Small Grain State Test Data

The Virginia Grain Producers Association has recently launched a partnership with Medius Ag, for an online platform for all corn, wheat, and barley state variety tests conducted by Virginia Tech. This new tool will help producers interpret and utilize research from research stations statewide.

Medius will serve as a comprehensive online locations for Virginia Tech state variety test research. The goal of this platform is to make data accessibility easier than ever for producers, research, and industry stakeholders.

We thank the Virginia Grain Producers Association for their leadership on this project!



The platform has features to access entire trial data from different locations across the Commonwealth, as well as, to query certain varieties to see it's performance across locations in Virginia and other states.

Click here to access the website: <https://viriniagrains.medius.re/>

To access the training video click here: <https://youtu.be/BIPLdd9Jf7c>

VT PITMAN						
Summary	Attributes		Trials		Media	
VGPA	Clemson	NCOVT				
Wheat						
	Northwest	South	Southeast	East	West	
Trial						
Blocks	ORGVA, SHVA	BLSVA	HOLVA	PNTVA, WARVA	BLAVA	
Years	2023	2023	2023	2023	2023	
Variety Records	2	1	1	2	1	
Research						
Entry	144	144	2023 PNTVA	92.0	[1]	[1]
Awns	A		2023 WARVA	103.0	[1]	[1]
Days to Head	<div style="border: 1px solid gray; padding: 2px;"> Year Trial Block Grain Yield REP SPL 2023 PNTVA 92.0 [1] [1] Virginia Grain Producers > Wheat 2023 WARVA 103.0 [1] [1] Virginia Grain Producers > Wheat </div>					
Grain Yield	97.4	71.3	73.8	97.5	110.3	bu/ac
Test Weight	61.0	59.6	58.5	57.8	57.5	
Height			39.3	34.5	in	
Lodging			1.1	0.5	0-9	
Leaf Rust	0.1		0.0			
Barley Yellow Dwarf Virus	2.5				BYDV	

Year	Trial Block	Variety	Source	Tra Pac	Head Type	Entry	Days to Head	Grain Yield	Test Weight	Height	Lodging
2023	WARVA	VA20FHB-18			A	14	109.0	116.1	56.6	41.5	1.0
2023	WARVA	NC20-21971			TA	110	110.3	115.4	55.6	40.8	1.8
2023	WARVA	USG 3354	UnSouth Geneti		TA	130	108.8	115.0	56.1	39.0	2.4
2023	WARVA	USG 3673	UnSouth Geneti		AL	137	111.3	114.8	56.3	38.5	1.0
2023	WARVA	Dyna-Gro 9533	Dyna-Gro		AL	121	115.0	114.4	53.6	38.0	1.2
2023	WARVA	InSpire FS 745			A	73	116.3	112.4	57.1	39.5	1.0
2023	WARVA	MAS #155			A	97	114.8	112.2	55.7	40.3	1.1
2023	WARVA	18VTK10-23			A	18	109.3	111.7	58.3	41.0	1.0
2023	WARVA	DH195RW07-321			A	43	114.5	111.7	56.2	40.3	1.0
2023	WARVA	Liberty 5658	Virginia Crop Im		A	86	109.8	111.6	57.5	41.3	1.2

Virginia State Soybean Preliminary Results

- We recently finished up soybean harvest at the center, and preliminary soybean state test data is now available from Dr. Carrie Ortel for Full Season and Double Crop tests at EVAREC, as well as other locations across the Commonwealth
- Click here to view the results: <https://bit.ly/24SoyOVTRResults>



RECENT GRANTS

- **Impact of planting date and weather patterns on wheat development, freeze susceptibility, and yield. Joseph Oakes, Robbie Longest. Virginia Small Grain Board. \$5,000.**
- **Small Grain Research Program Support. Joseph Oakes. Virginia Small Grains Board. \$10,000.**

Virginia Tech has 11 Agricultural Research and Extension Centers (ARECs) across Virginia which play a critical role in connecting the university to local communities around the state. Have you ever wondered what research and outreach is happening at ARECs around the state?

The AREC seminar is just the place to find out about the Research and Extension taking place across Virginia.

Click here to access the seminar series that highlights a different AREC each month: [AREC Seminar Series](#)

follow us:



YouTube

WELCOME!

JASLEEN MAKKAR, RESEARCH ASSOCIATE

My name is Jasleen Singh Makkar, and I come from a small village, Goniana, in Punjab, India. I recently completed my Master of Science in Agronomy and Crop Science from Texas Tech University, where I focused on sustainable cotton production, exploring innovative weed management strategies and the effects of herbicides on soil health under conditions like deficit irrigation.

I am thrilled to be joining the Eastern Virginia AREC as a Research Associate. This role is a perfect opportunity to apply my skills and passion for research and work in small grain, soybean, and specialty crop breeding. I look forward to collaborating with faculty, extension agents, and growers to contribute to cutting-edge research and help develop practical solutions for the agricultural community.



NORTHERN NECK TECHNICAL CENTER VISIT



High school students from the Northern Neck Technical Center visited the center in November to learn about our research and programs.

Highlights



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In August, we welcomed two groups of soybean farmers from Argentina to the center. We discussed research projects and had great dialogue to exchange ideas.



We hosted the AREC farm managers meeting in August (L), the day before the Virginia Ag Expo in Champlain, VA (R)



We had a great visit in September from Dr. Cyril Clarke, Executive Vice President and Provost at Virginia

Around the Center



VIRGINIA AGRICULTURAL EXPERIMENT STATION
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Dr. Nichols Santantonio and Chandler Jett planting wheat yield plots (L); Dr. Joseph Oakes and Mark Vaughn planting a faba bean test in Shacklefords, VA (C); Dr. Joseph Oakes harvesting soybean plots (R)



Wheat planting (L); Harvesting an on-farm soybean trial in Westmoreland County, VA (C); Unloading soybean following yield plot harvest (R)



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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.

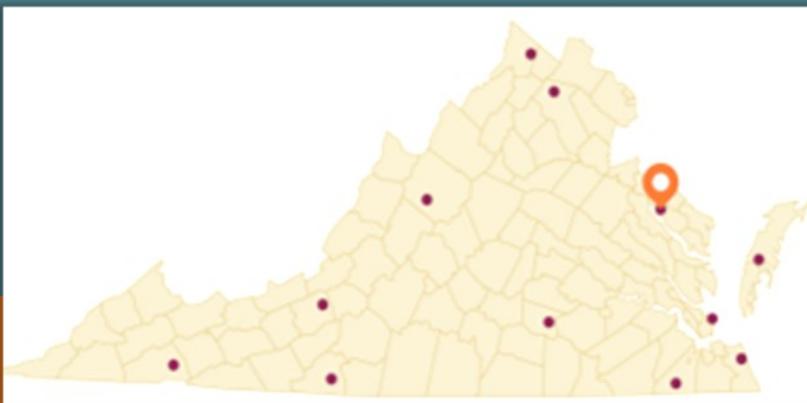
A COLLABORATIVE NETWORK

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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