

The 28th Annual

Eastern Shore Agricultural Conference

Wednesday & Thursday, January 24 - 25, 2018

Eastern Shore Community College 29300 Lankford Highway, Melfa, VA 23410







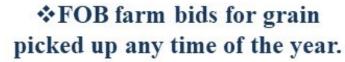




Our Grain Operations are Growing with you...



- **❖** Daily Email Bids Available
- *Accommodating Unloading Hours
- **❖**Experienced Merchandisers





DE GRAIN ELEVATORS

Harrington, DE 302-398-3296

Seaford, DE

302-629-8739

Townsend, DE

302-378-2271

MD GRAIN ELEVATORS

Millington, MD

410-928-3177

Ridgely, MD

410-634-2656

Trappe, MD

410-476-3155

Queen Anne, MD

410-364-5800

VA GRAIN ELEVATORS

Eastville, VA

757-678-7300

Painter, VA

757-442-7300

FEED MILLS

Millsboro, DE

302-934-3261

Frankford, DE

302-732-6611

Princess Anne, MD

410-651-5985



Call your local elevator operator for competitive grain bids!

Experienced merchandising staff for all your marketing options.

Bill Floyd - 757-678-7300 Grain Merchandising Manager Lee Sproull - 302-934-4081 Grain Marketing Director Randy Fardelmann - 302-934-4084 Grain Marketing Director

Visit our website at: www.mountaire.com

Or follow us on:



Pesticide Recertification and CCA Credits

Commercial Categories: 1A, 10 and 60 Private Categories: 90

To Receive Recertification Approval Growers MUST attend:

- 1. Pesticide Legal Updates—Rodney Knight, VDACS Investigator
 - 1/24, 9:40 am—General Session, Great Hall
- 2. Pesticide Safety Updates
 - 1/24, Hot Topics, Great Hall
 - 1/25, 11:30 am—Vegetable Session, Classroom
- 3. Grower may pick 1 full session of their choice
 - Agronomic, Soybean, Vegetable, Hot Topic, Potato

You must sign-in at the Registration Table in

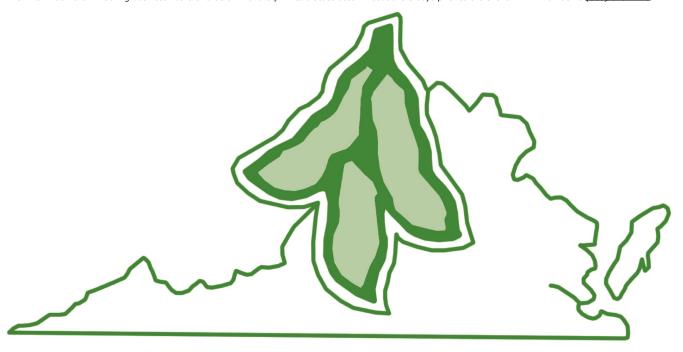
Please see the moderator of the break-out session for more details

Nutrient Management: 1
Soil & Water Management: 0.5
Integrated Pest Management: 5
Crop Management: 7
Professional Development: 0.5



Virginia Cooperative Extension programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. An equal opportunity/affirmative action employer.

If you are a person with a disability and desire any assistive devices, services or other accommodations to participate in this activity, please contact Theresa Pittman at 757-787-1361 ext. 14 during business hours of 8:30 a.m. and 5 p.m. to discuss accommodations 5 days prior to the event. *TDD number is (800) 828-1120



Virginia Soybean Association

General Session - Wednesday, January 24th - Great Hall

Presiding—Bruce Richardson, President, Association of Virginia Potato and Vegetable Growers Association, Inc.

- **8:30 Welcome & Opening Remarks** Mr. Bruce Richardson, Association of Virginia Potato and Vegetable Growers, Inc.
- **8:35** *Marketing Strategically in 2018* Robert Harper, Grain Division, Virginia Farm Bureau Fed.

A merchandiser's point of view about planned marketing and indicators to watch in having an opinion on market direction. Also, a description of the Grain Division of the VA Farm Bureau and how it works for producers.

- 9:10 Farm Safety: Lessons Learned on the Farm Dr. Amy Johnson
 - Having grown up on a farm, I never dreamed that farm safety would become such a part of my life, but along the way I have learned that achieving a safe environment doesn't have to be expensive or take a lot of time. This program will focus on simple things that everyone can do on their farm that prevent injuries and save lives.
- 9:55 Pesticide Legal Updates Rodney Knight, Pesticide Investigator, VA Dept. of Agriculture & Consumer Services
 Pesticide legal updates from the VA Dept. of Agriculture & Consumer Services, a required listening session to receive pesticide credits for 2017
- 10:20 Break Visit with Exhibitors

Atrium and Vendor Classroom

- 10:30 Agriculture in the Political Climate John Keeling, National Potato Council
- 11:10 ESAREC Update Dr. Steve Rideout, Director, ESAREC
- **11:15** Virginia Tech College of Agriculture & Life Sciences Update Dr. Ed Jones, Director, Virginia Cooperative Extension, Virginia Tech
- 11:40 Update from the Virginia Department of Agriculture and Consumer Services
- 12:00 Please Enjoy Lunch Catered by the Exmore Diner—served in the Great Hall



Accomack Office 23157 Front St. Accomac, VA 23301

(757) 787-4208

Northampton Office 15527 Lankford Hwy. Eastville, VA 23347

(757) 678-5158

vafb.com

Guest Speaker Biographies

John Keeling

National Potato Council Executive Vice-President and CEO

John Keeling has been the Executive Vice President and CEO of the National Potato Council since 2002. He directs the development and implementation of policy for the only national association of potato growers in the U.S. NPC has been highly successful in representing the diverse interests of U.S. potato producers and influencing policy that directly affects growers' ability to compete domestically and globally. Recently the NPC was instrumental in reversing the ban on fresh white potatoes in the WIC feeding program.

Keeling previously worked for the National Food Processors Association and the American Farm Bureau, where he spent 10 years. He and his brother operate a small farm in central Virginia. Keeling received his MS in Agricultural Economics from Virginia Tech.



Thanks to our 2018 Eastern Shore Ag Conference & Trade Show Sponsors

AgroLab, Inc.

Associated Grain, Inc.

Assoc. of Virginia Potato & Vegetable Growers

Bayer Crop Science

Buntings Dustings

C & E Farms

Conserve

Crop Production Services

Davis Disposal

Delcarm, LLC

Dime Oil Company

Eastern Shore Community College

Eastern Shore Marketing Co-op

Farm Bureau—Accomack & Northampton

County Offices

Four Corner Plaza

Gowan USA

Growmark FS

H.W. Drummonds, Inc.

Helena

Hoffman Irrigation

Hoober, Inc.

Keen Consulting

Kuzzen's, Inc.

Mid-Atlantic Farm Credit

Mountaire Farms, Inc.

Pep-Up

Scott Insurance

Smith Ag & Environmental, Inc.

Sussex Irrigation

Syngenta

Virginia Cooperative Extension

Virginia Department of Agriculture & Consumer

Services

Virginia Soybean Association

Virginia Tech Eastern Shore Agricultural Research & Extension Center

Hot Topics Session—Wednesday, January 24th—Great Hall

Moderator - John Mason, Research Specialist Sr., Soil Science and Nutrient Management, VT ESAREC

1:00 Distributed Wind Assistance Program — Dustyn Vallies, Outreach Manager, Center for Wind Energy at James Madison University

The Distributed Wind Assistance Program for Virginia is a new program being launched by the Center for Wind Energy at James Madison University intended to leverage the excellent wind resources in Virginia where they coincide with rural small businesses and agricultural producers. The program, which is funded by the U.S. Department of Agriculture and the Virginia Department of Mines, Minerals and Energy, will advance diversification of the state's power generation portfolio while simultaneously enabling small businesses and agricultural producers to generate power independently while reducing their electricity costs. This effort is intended to advance the renewable energy goals set forth by our administration

1:30 Ready for two inches in five minutes? Rainfall simulator and soil health demonstrations from NRCS — Chris Lawrence, Crop-land Agronomist, USDA-NRCS

Back in Accomack for the first time since 2009, the compact NRCS rainfall simulator is extremely popular with farmers nationwide. This live indoor demo will illustrate the impact of a violent thunderstorm on Eastern Shore soil samples taken from five fields under different cropping and tillage systems. Harvesting (and in some cases draining) rain is crucial to profitable crop production: this demonstration will illustrate how growers can optimize their soil sponge through better crop, soil, and residue management. The session will include other demos illustrating the benefits of building soils for better crops.

2:15 Break - Visit with Exhibitors

- Atrium and Vendor Classroom
- **2:30 Produce Safety Rule Implementation in Virginia -** Erik Bungo, Program Supervisor, Produce Safety Program, VDACS

This presentation will explain what VDACS is doing to implement the FSMA Produce Safety Rule in Virginia, legislation that was passed in 2017, and our patrtnership with Virginia Cooperative Extension.

- 3:00 Pesticide Safety Updates Mrs. Ursula Deitch, Northampton County Extension Agent, VCE
 Presentation 1 of 2. You must attend one of the Pesticide Safety Update presentations in order to receive recertification credit. Please don't forget to have Ursula or Theresa sign your private/commercial recertification paperwork.
- **4:00 Annual Meeting of the Association of Virginia Potato and Vegetable Growers -** Mr. Bruce Richardson, President, Association of Virginia Potato and Vegetable Growers, Inc.



AUTO * TRUCK (LT & HVY DUTY) $4X4 \star VAN \star RV \star INDUSTRIAL$ MARINE * AGRICULTURE



COMPLETE Foreign & Domestic

- PARTS TOOLS SUPPLIES PAINT
 - EQUIPMENT ACCESSORIES
 - BOAT & UTILITY TRAILER PARTS

AUTOMOBILE PARTS & SUPPLIES

OVERNIGHT SERVICE ON HARD TO FIND PARTS

We have what you need!

TOLL FREE 800-215-4807







www.hwdrummond.com





Belle Haven 442-6104

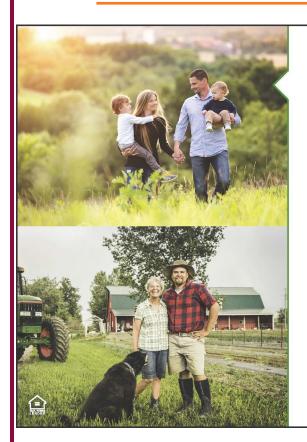
Greenbush 787-8641

Oak Hall 824-3453

Eastville 678-7126

15383 Merry Cat Lane 22012 Greenbush Rd 8152 Lankford Hwy 17221 Courthouse Rd

2018 Sponsors

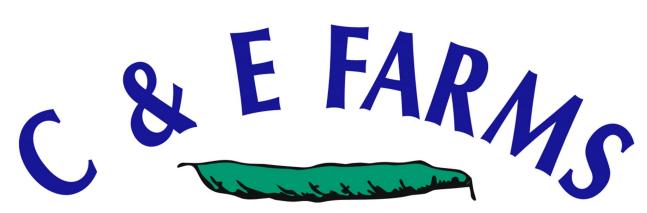


LENDING SUPPORT TO AGRICULTURE, ONE GENERATION AT A TIME

Since 1916, Farm Credit has supported farming families with loans to help them grow their businesses. We've been there through droughts and floods, we've seen new technologies emerge, and we've helped the next generation become the farmers of today.

A lot has changed over 100 years, but one thing that's constant is Farm Credit's dedication to giving America's farmers and their families access to consistent and reliable credit. No matter what the next century holds, we'll be here to help them feed and clothe our nation.





HYDRO-COOLED GREEN BEANS
CHERITON, VA
PARRISH, FL

Annual Eastern Shore Ag Conference Oyster Roast



Annual Eastern Shore Ag Conference Oyster Roast

<u>Location</u>: Eastern Shore Agriculture and Extension Center

33446 Research Dr. Painter, VA 23420

Time: Social hour will begin at 6:00 pm with food to be served at 6:30 pm

Tickets: cost is \$40/person. Each ticket will include all you can eat oysters and BBQ.

Ticket also include beverages (beer, soda, and water) in lieu of a cash bar.

Tickets are available at the registration table in the atrium.

The Association of Virginia Potato & Vegetable Growers, Inc.



The Oyster Roast is sponsored by the Farm Bureau Eastern Shore Young Farmers and the Association of Virginia Potato and Vegetable Growers, Inc.

Special Thanks to: Lauren Seltzer, Executive Secretary, ESAREC

Potato Session - Wednesday, January 24th - Classroom

Moderator - Butch Nottingham, Marketing Specialist, VDACS

- 1:00 Update from the National Potato Board Mr. Phil Hickman, Dublin Farms
- 1:15 Trends of the USA Potato Market Jill Rittenberg, Potatoes USA
- 1:45 Nematode Control Update: Availability of Fumigants and Efficacy of Alternative Options Dr. David Langston, Plant Pathology, Tidewater AREC

Plant parasitic nematodes affect several vegetable crops in the Mid-Atlantic region resulting in reduced yields and quality. The loss of methyl bromide coupled with limited stocks of non-fumigant nematicides have brought nematode control to the forefront. To meet the demand of nematode control while avoiding fumigants (cost, equipment, fumigant management plans), companies have been working feverishly to develop the "Holy Grail" of nematode control. This presentation will address pros and cons of fumigant and non-fumigant nematicides.

2:15 Potato and Disease Management for ESCA Growers – Dr. Steve Rideout, Plant Pathology, ESAREC, Jose Garcia, Ph.D candidate, ESAREC

Management of potato diseases will be discussed including a review of 2017. The presentation will include an update on Dickeya plaguing the potato seed production chain. In addition, soilborne disease occurrence will be reviewed with suggestions on management of these diseases. Special mention of an emerging disease, southern blight caused by *Sclerotium rolfsii*, will be included.

2:30 Break - Visit with Exhibitors

- **Atrium and Vendor Classroom**
- 2:50 Market Outlook for 2018 Mr. Brett Richardson, Marketing Specialist, VDACS
- **3:20 Potato Pre-harvest Treatments & Timing of Vine-kill to Improve Skin Set -** Dr. Ramon Arancibia, Horticulture, ESAREC

Skin set prior to harvest is critical in red skin cultivars to reduce bruising at harvest and maintain the marketable quality. Here we will discuss the effect of pre-harvest chemicals and time of application prior to harvest on the resistance to skinning in potato.

3:40 On-farm Potato Beetle Scouting and Resistance Monitoring Program—Dr. Tom Kuhar, Entomology, VT Blacksburg

An interest meeting about a new monitoring program where we inspect beetles and collect leaves from the plants to test if the systemic insecticide (neonic) is still effectively killing Colorado potato beetle.

4:00 Annual Meeting of the Association of Virginia Potato and Vegetable Growers – Mr. Bruce Richardson, President, Association of Virginia Potato and Vegetable Growers, Inc.



Associated Grain, Inc.

ASSOCIATED GRAIN

PROVIDING A GRAIN MARKET FOR THE EASTERN SHORE FOR 3 GENERATIONS!

EVERY FARMER SAYS:

"THE MARKET ALWAYS GOES UP AFTER I SELL!"

"HOW CAN I AVOID SELLING AT TOO LOW A PRICE?"

"I JUST WISH THERE WAS A WAY TO NOT BE WRONG MAKING THE DECISION TO SELL-



HAVE YOU THOUGHT, WHAT SEPERATES THE GOOD MAKETERS FROM THOSE THAT STRUGGLE?

WE WILL HELP YOU DEVELOPE A MARKETING PLAN WITH SIMPLE, STRAIGHTFORWARD GOALS AND EASY TO ACT ON.

PLEASE CALL US DAY OR NIGHT WE ARE OPEN 24/7 2018 CAN BE A PROFITABLE YEAR FOR YOU 757-787-7900 ASK FOR TYLER OR RICHARD

Vegetable Session - Thursday, January 25th - Classroom

Moderator - Dr. Ramon Arancibia, Assistant Professor, Horticulture, ESAREC

- 8:30 Row Covers in Vegetables, Beyond Season Extension Dr. Ramón Arancibia, Horticulture, ESAREC
 Row covers are used mainly for season extension. In this session, we will discuss the additional benefits
 of using row covers in vegetable crops in Virginia.
- **8:50** Compact Bed Geometry for Improved Environmental and Economic Sustainability Dr. Sanjay Shukla, University of Florida

A novel bed geometry (taller and narrower) has been designed and evaluated for raised-bed plasticulture in the Eastern United States. Main benefit is reduced inputs (conservative up to \$300/ac) without impacting yield.

- 9:20 Sweet Corn IPM in Virginia Dr. Tom Kuhar, Entomology, VT Blacksburg
 - This talk will summarize the statewide scouting program established to monitor pests on farms in Virginia and evaluations of the efficacy of Bt transgenic sweet corn varieties as well as a more IPM compatible insecticide program for sweet corn that not only controls the key pests, but minimizes impacts on pollinators and insect natural enemies.
- **9:50 Vegetable Disease Management in Virginia -** Dr. Steve Rideout, Plant Pathology, ESAREC and Jill Pollok, Research Specialist, ESAREC

We will discuss several new tools and fungicides that have been evaluated for vegetable disease management. Over time, shifts in disease occurrence and severity occur due to cultivar, pesticide and product ion changes. We will include a review of the disease spectrum noticed in 2017 and suggestions for the upcoming season.

10:10 Break - Visit with Exhibitors

Atrium and Vendor Classroom

- 10:30 Timing and Efficacy of Potato Vine Desiccants Dr. Charles Cahoon, Weed Science, ESAREC
 - Research was conducted during the 2017 growing season to compare several potato vine desiccants to the current grower standard of Reglone. Products included Rely, Aim, and Sharpen. Products were applied at three different timings; 0, 1, and 2 week delay.
- 10:50 Update on FSMA's Produce Safety Rule: Are you Compliance Ready? Dr. Laura Strawn, Food Science, ESAREC Attendees will understand the following key issues regarding FSMA's Produce Safety Rule: coverage, exemptions, basic standards, and compliance dates. The Produce Safety Rule was recently adopted as legislation in Virginia and will be enforced by the Virginia Department of Agricultural and Consumer Services. This lecture will assist attendees in their base understanding of the regulation, and what they need to know moving forward.
- 11:10 Cover Crops: Can They Really Improve Soil Quality Parameters? Dr. Mark Reiter, Soil and Nutrient Management, ESAREC
 - Many different cover crops can be utilized to change soil parameters in a relatively short period of time. Four different modes of actions will be explored and their overall impact on nutrient cycling and soil physical properties will be discussed. As with anything, drastically changing a soil system in a short period of time means that management decisions may need to focus on new problems as compared to traditional systems.
- 11:30 Pesticide Safety Updates Mrs. Ursula Deitch, Northampton County Extension Agent, VCE

Agronomic Session - Thursday, January 25th - Great Hall

Moderator - Dr. Charlie Cahoon, Assistant Professor, Weed Science, VT ESAREC

8:30 Malting Barley Production and Markets; Grain Production Update - Dr. Wade Thomason, Small Grains Specialist, VT Blacksburg

Opportunities and challenges associated with growing malting barley in Virginia will be discussed. Building high yield potential and delivering the desired quality end product will be the focal points. General small grain and corn management updates will also be covered.

- 9:15 Row Crop Insect Pest Management Dr. Sally Taylor, Entomology, VT Tidewater AREC
 Information on current insect pest problems in row crops. Results of surveys for invasive pests, insecticide resistance monitoring programs, and insecticide performance evaluations will be discussed.
- **9:45** Enhanced Efficiency Nitrogen Fertilizers: What are they? Why use them? Dr. Hunter Frame, Crop and Soil Sciences, VT Tidewater AREC

One strategy to increase nitrogen use efficiency is to use fertilizer additives that improve the uptake and utilization of nitrogen from fertilizers. Additives that fall into this classification are called enhanced efficiency nitrogen fertilizers (EENF's). Within EENF's there are different modes of action. Understanding these modes of actions will allow producers to choose products that fit their operation.

10:15 Break - Visit with Exhibitors

Atrium and Vendor Classroom

10:45 Sorghum Pest Management- Dr. Charlie Cahoon, VT ESAREC, Dr. Hillary Mehl, Plant Pathology, VT Tidewater AREC and Dr. Sally Taylor, Entomology, VT Tidewater AREC

Pest management is an important component of producing sorghum. This presentation will focus on problematic diseases, insects, and weeds that infest sorghum and tactics for control.

11:15 Integrated Disease and Nematode Management in Corn and Small Grains – Dr. Hillary Mehl, Plant Pathology, VT Tidewater AREC

Diseases are a major constraint to corn and small grains production in the mid-Atlantic, and they can reduce both yield and quality of the harvested crop. The most economical approach to disease control includes a combination of cultural practices, variety selection, and judicious use of fungicides. Major diseases of corn and small grains and up-to-date management recommendations will be presented.



Soybean Session - Thursday, January 25th - Great Hall

Moderator - Mark Reiter, Associate Professor of Soils and Nutrient Management, ESAREC

1:00 2017 Weather Review and Eastern Shore Climatology – John McGee/Larry Brown, Meteorologist, NOAA - National Weather Service

The presentation will include a general weather review of the 2017 growing season, including temperature and precipitation highlights. A climatology of the region will also be discussed in detail, including a look at temperature and precipitation averages and variability.

1:45 Potassium Requirements for Soybean Production on Eastern Shore – Dr. Rasel Parvej, Postdoctoral Associate, VT Tidewater AREC

Quantifying soil-K availabilities at deeper depths may be necessary to determine optimum fertilizer-K rate for soybean grown on coarse-textured low cation exchange capacity (CEC) soils that are prone to K leaching. We characterized full-season and double-crop soybean responses to fertilizer-K across 22 coarse-textured low-CEC sites during 2013 to 2015. The new K fertilizer recommendations for soybean production in Eastern Shores will be presented.

- 2:15 The Economics of Timely Weed Control Dr. Charlie Cahoon, Weed Science, VT ESAREC Weeds compete with crops for valuable water, nutrients, sunlight, and space. In this presentation Dr. Cahoon will discuss the benefit of timely weed control to preserve yield from an economic standpoint.
- 2:45 Break Visit with Exhibitors

Atrium and Vendor Classroom

3:00 Manganese and Boron Coated Fertilizer as an Alternative Method to Correct Soybean Nutrient Deficiency in Coastal Plain Soils – Abigail Baxter, Ph.D. Student, Soil Fertility

Manganese and Boron are two essential micronutrients for plant growth and are commonly deficient in acid, sandy soils and in soils with high pH. Our experiment tests the ability of a novel coated fertilizer to correct these deficiency symptoms by applying the micronutrients coated on potash fertilizer granules.

3:30 Stink Bugs, Stem Borers, and the Delmarva – Dr. David Owens, Extension Entomologist, University of Delaware Carvel Research and Education Center

Stink bugs can be important late season pests to soybeans between R3-R7. Behavioral differences among the stink bugs can be used to optimize management. Brown marmorated natural enemies may become important control agents as well. Dectes stem borers periodically cause lodging losses in Delaware, and their biology and management implications will be discussed.

4:00 Soybean Variety Selection-We Can Do Better – Dr. David Holshouser, Agronomist, VT Tidewater AREC **Soybean variety selection should be field-specific. We determined the probability of a relative maturity**

Conference Refreshments compliments of the following sponsors:









Thanks to Our 2018 Conference Sponsors and Partners!































"100% CHANCE OF RAIN"





Eastern Shore Marketing Co-Op Shipping Point Wholesale Vegetable & Seafood Market

















INSURANCE





SHOPPING, SERVICES & DINING





Growing Together









Field Crops

Cell (757) 678-6129 l, Inc. Fax (757) 331-3957 smithagronomic@verizon.net www.smithagronomic.com smithAG and Environmental, Inc. 3160 Jacobia Lane smitl Cape Charles, VA 23310 w



Aqua Culture