

**2017 PEANUT VARIETY AND QUALITY EVALUATION  
ADVISORY COMMITTEE MINUTES**

**March 29, 2017  
Tidewater Agricultural Research and Extension Center  
Suffolk, VA 23437**

The Peanut Variety and Quality Evaluation (PVQE) Advisory Committee met from 10:30 a.m. to 12 noon on March 29, 2017, at the Tidewater Agricultural Research and Extension Center in Suffolk, Virginia.

The members or representatives present were:

<b>Participant</b>	<b>Business or Organization:</b>	<b>Voting Member</b>
David Monks	NCSU NCARS	No
Wayne Nixon	Severn Peanut	No
Elizabeth Grabau	Virginia Tech	Yes
Jason Dameron	VCIA	No
Doug Redd	VT – TAREC – PVQE	No
Joseph Oakes	VT – TAREC- PVQE	No
Gaby Rawls	VT – TAREC – PVQE	No
Amir Sadeghpour	VT – TAREC – PVQE	No
Mark Simmons	Birdsong Peanuts	Yes
Jeffrey Pope	Grower	Yes
Maria Balota	VT – TAREC – PVQE	Yes
Brad Slye	VT – TAREC	No
Gail Milteer	VDACS	No
Hillary Mehl	VT – TAREC	No
Dell Cotton	VPGA	Yes
Karl Jones	VT – TAREC	No
Bob Sutter	NCPGA	Yes
Tom Isleib	NCSU	Yes
Daryl Bowman	NC Foundation Seeds	No

Don Baker	NC Foundation Seeds	No
Billy Gwaltney	Indika Farms	No
Taylor Slade	Slade Farms	Yes
John Crumpler	RCR Farms	Yes
George McGee	McGee Farms	Yes
Billy Barrow	NCSU Bertie County Extension	Yes
David Jordan	NCSU	Yes
Carolyn Daughtrey	VT – TAREC- PVQE	No
Phillips Browning	VCIA	No
Dawson Rascoe	Severn Peanut	Yes
Susan Copeland	NCSU – Peanut Breeding	No
Dan Anco	Peanut Specialist, Clemson	Yes
Pam Worrell	VT – Tidewater AREC	No
Wendell Cooper	Crop Consultant, Mid Atlantic Gin	Yes
Frank Bryant	VT – TAREC- PVQE	No

At 10:30 a.m., Dr. David Monks called the meeting to order and welcomed everyone, as he is an Advisor to the group and this year’s chairperson. He asked that everyone introduce themselves to the group and tell how they are affiliated with the PVQE program.

Dr. Maria Balota gave a brief welcome and told everyone that an agenda, PVQE notes, and the list of voting members was available on the table.

Minutes from the last meeting were sent to the committee previously. Dr. Monks read a correction from Roger Crickenberger concerning the paragraph mentioning the bond referendum. A motion to approve the minutes as per corrected, was made and seconded. The motion was approved for the minutes to be accepted.

Dr. Elizabeth Grabau gave a brief Virginia Tech update. There will be three department combined under one new school. Candidates applying for the school director position are being selected for interview.

Dr. David Monks gave an NCSU update as Roger Crickenberger could not attend due to a conflicting meeting. There are approximately twenty new faculty being hired including four new

department heads. Entomology and plant pathology have merged as well as crop science and soil science departments. As for budgeting, they are looking at their 18 research stations and evaluating what type of expenditures are needed especially labor and equipment upgrades. A study is being conducted to manage these departments more effectively when the needs of all expenditures are determined. Dr. Monks also mentioned how important the PVQE committee is to the peanut industry and that he appreciated everyone's time.

Dr. Maria Balota gave a TAREC update as Dr. David Langston is traveling to Blacksburg for the annual AREC evaluation. Dr. Langston has suggested to Maria that future PVQE meetings might not be on just the last Wednesday of March but to consider that last week as a window depending on when the evaluations are scheduled at VA Tech. This would open the meeting to himself and the other administration from VA Tech to attend. The TAREC budget is stable and he is supportive of the PVQE program. For example, the TAREC administration is cost sharing in a bed ripper, and has cost shared over the past year a faster computer for imaging, a storage container to hold peanuts until they are no longer needed for grading and a new pick-up truck purchase. Dr. Balota mentioned that the PVQE program needs two reliable trucks as the others are 12 and 17 years old. Her department has spent \$10,000 on repairs of one truck and it is still not fixed to the satisfaction of using this truck off station. She would like to replace one other truck and is hoping to get some help with the funding. There were questions about the other departments at TAREC and their vehicles along with a VA Tech plan for replacing vehicles. Dr. Balota explained that each of the 7 departments have their own vehicles and are all busy at the same time (planting and harvest) so there would really not be an available vehicle for her to borrow. In addition, VA Tech does not have a fleet replacement plan at the off-campus locations, as each department is responsible for their own equipment. One other item that Dr. Langston is helping with is a fixed irrigation system that Dr. Saied Mostaghimi is also going to cost share. This will be no cost to the PVQE program; however, there will be fields in the crop rotation where PVQE will benefit from the irrigation system. This will enable her to have irrigated trials. There are some irrigated fields now but none with a precise system such as this.

Dr. Balota then gave the PVQE update as per her handout. The PVQE budget gets funding from: NCSU \$39,400, Shellers \$37,000, SCPB \$15,000, NCPB \$25,000 and VCIA \$10,000. The total of this funding is \$126,400. In addition, Birdsong Peanuts has given a \$1000 donation each year for peanut research. The majority of the funding is used for salaries and supplies. Pesticides, which were once gotten free from many chemical companies, are now being purchased. VCIA is helping with an additional rain shelter (\$7,000) and a graduate student. Tillage practices are a concern with improper

seedbed preparation making for poor soil conservation and Dr. Langston wants to see this changed. Karl Jones, Farm Manager, explained that a used ripper/bedder could be purchased from a local farmer for \$4,000, installed with VAPAM plumbing for \$1436 and then VAPAM (Metam sodium) be used again each year at a cost of approximately \$2100. This will make for a yearly cost but will help eliminate errors that could use up the valuable and reduced seed count. Because seed amounts are limited, none want to be wasted during planting. There was then a discussion on the points as to whether or not the costs, especially the yearly cost of \$2100 was worth the funding. Bob Sutter asked about the limitation on seed provided to the program. There were questions about CBR testing as this was thought to be done in Tom Isleib's breeding program, not with the PVQE variety planting. Dr. Hillary Mehl stated that she does CBR testing but not on the breeding lines. David Jordan stated that a survey in North Carolina showed that 35-40% of the growers were using Metam sodium (VAPAM) 2 years ago. However, this was a survey of approximately 30 % of all growers so it could be a high percentage. John Crumpler said some of the use of Metam was to fight nematodes not necessarily for peanuts but for later rotations of corn and cotton. PVQE's main focus is yield potentials of the lines and also resistance to diseases but is CBR really still a program that needs to be addressed with the use of Metam again? CBR is not seen as it was a few years ago so would it be worth spending the additional \$2100 per year when funds are needed for other items? Also, is the 2 week waiting period after putting down VAPAM (Metam) worth the effort? After much discussion, the committee's consensus was for Dr. Balota to not spend the additional funding to use Metam as there didn't seem to be a real problem that needs to be addressed.

Dr. Dan Anco, Peanut Specialist, Clemson gave an update of South Carolina's PVQE program. Dr. Anco passed out the PVQE ratings results of the lines from the Blackville, South Carolina location along with the disease screen results table. He went over those results briefly and asked for any questions.

Dr. Tom Isleib, peanut breeder at NCSU, gave the peanut breeding update. This will be Susan Copeland's last PVQE meeting as she is retiring. Dr. Isleib stated that he is also looking at retirement in the next couple of years. An endowment from Severn Peanut Company will help fund the continuation of the breeding program after Tom retires as income from the endowment can be used for his replacement. He hopes to get someone in line who can work with him during an entire breeding season. A handout with documentation for NCSU lines entered in the 2017 PVQE program was given out. Dr. Isleib said there are 19 lines for 2017 breeding. He went over the tables for yield, grade information, blanching data, fatty acid data, pod characteristics and disease information. Table 8 is the sensory attribute intensity (flavor) table, which shows results of taste tests.

Dr. Isleib then went over the information and description of the NCSU peanut breeding line N12008 (however referred to as N12008), that is proposed for release as it has been in the PVQE program for 3 years after spending other time in the breeding line program. He reminded the committee that the PVQE data is the only official data considered for release. The Uniform Peanut Performance Test is a collaboration between Virginia, North Carolina, South Carolina, Georgia, Florida and several other states. N12008 is a derivative of the Bailey cultivar, similar to Bailey with disease reaction and similar traits with fatty acid and seed oil. The N12008 has slightly larger pods and seed than the Bailey. Breeding and testing started the winter of 2004 and went until the summer of 2007, at which time the 4<sup>th</sup> cross was made. During the period of the winter of 2007 to the summer 2010, the line was tested for leaf spot, CBR, Sclerotinia blight and TSWV resistance as well of pod and blanching characteristic. During the summer of 2012, the line was assigned its final N12008 number. The line was further tested in the breeding program and all the tests and results can be seen in the documentation handout. N12008 was then tested in the PVQE program for three years: 2014-2016 at 5-6 sites annually. The Crop Value had a rather large increase in the value per acre as compared to the Bailey. Comparisons were made for yield, pod brightness, seed size, disease resistance, and other characteristics. N12008 shows yield increases in most areas over Bailey and should be considered as a line to be released. The choice of a name includes the decision of whether or not to retain the "Bailey" in the name to take advantage of the name recognition such as Bailey II, Bailey 17 or Bailey O/L. USDA Marketing vets names to avoid the reuse. USDA AMS will allow the use of an old name with an addition such as II if the new line is closely related to the old line. Dr. Isleib is leaning towards Bailey II is approved for release. Bob Suttle moved that N12008 be recommended for release. The motion was seconded and approved unanimously.

Dr. Balota next discussed the PVQE multi-state project that will need to be renewed by September 2018 if continuing. She indicated it was good to have the USDA endorsement and it gives recognition for the different participating universities. She asked about suggestions on how to show new and different procedures and if the committee wanted her to pursue renewal. After some discussion it was decided that the main mission of PVQE should remain - to evaluate several breeding lines each year for the possibility of release; however, she can add that procedures such as cracking and quality issues, drought tolerance and nutritional values could be added to show additional collaboration with other programs and universities. She will not add all of the procedures but maybe one new one to the additional material from previous years. Such as, research is being done with the rain shelters as she can have 36 entries under each rain shelter. She currently has four shelters and will probably get an

additional two, which will give her better control of conditions. Dr. Monks commented that they do not want to take away from the main mission of the PVQE program but having multi-state agreements are part of the faculty's expectations and this will help with multiple University participation in the program. The new multi-state plan procedure will be for Dr. Balota to look at the previous agreements and make small updates, have Dr. Monks as advisor look at plan and edit, pass plan on to a small group from the committee to add comments and then send the final plan out to the entire PVQE committee for approval before submission. Bob Sutter said there seemed to be no negative reason not to move forward with a renewal so a motion was made, seconded and approved.

There being no further business to discuss, Dr. Balota thanked everyone for coming and for the good discussion on the issues. Dr. Monks also thanked everyone for the involvement on the committee and the important work that they do.

The meeting was adjourned for lunch.