


January 5, 2019

To: Pasquotank County Producers

From: Alton E. Wood, Jr. 
Extension Agent, Agriculture
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Re: **Best Wishes for a Happy Holiday and a Prosperous 2019!!**
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Best Wishes for a Happy Holiday and a Prosperous 2019!!

2018 was a challenge to say the least and probably as a whole it was just an average year in terms of yield. This is one of those years that you just want to pay out, remember those things that you can change or improve on in the future and forget the rest. It has truly been a pleasure to work with you all in 2018 and I look forward to working with you in 2019. I do hope that you all **have had a HAPPY HOLIDAY AND WISH YOU A PROSPEROUS 2019.**

With the extra demands put on producers to stay profitable because of higher input costs and a potentially volatile grain market, it is necessary to be armed with the information and tools to stay profitable. The **questions that we must ask ourselves are three-fold. First, what can I do different or better to improve my profits and to make my farming operation run smoother. Second, what are the challenges that I will be faced with this coming year that I need to take in consideration or start addressing now. Third, am I doing the best that I can do in marketing my crops as well as managing my risk as good as I should.**

To help producers get answers to these questions, the Pasquotank County Center has put together a slate of meetings that are included in this newsletter. I hope that each of you will take advantage of these information filled programs. In addition, some of these meetings have pesticide recertification credits associated with them for both the private pesticide applicator and many categories of commercial pesticide applicators. If you plan to attend any of these meetings, please call 338-3954 and register.

2019 Pasquotank Producer Winter Meeting Schedule

Date/Time	Location	Topic	Speaker	Pesticide Credits
Wednesday – Friday January 9 - 11, 2019	Sheraton Imperial Hotel, Durham, NC	30th Annual Joint Commodities Conference	You can register online for the conference and pay online at http://nccommoditiesconference.com/	
Tuesday, January 15, 2019 6:00pm – 8:30pm Meal	Pasquotank Extension Center	Maximizing Profitable Soybean Yields	Dr. Rachel Vann, Soybean Extension Specialist, NCSU; Ryan Heiniger, Official Variety Testing Program Director	Private Applicator: 2 hours X Commercial Applicator: 2 hours (D) Dealer, (N) Demonstration & Research, and (O) Ag Pest-Plant
Friday, January 18, 2019 Review Session 8:30 – 10:30am Testing 11:00am	Pasquotank Extension Center	Review and Testing for Private Pesticide Applicator License	Al Wood Extension Agent, Pasquotank Austin Brown Extension Agent, Camden	License required by applicator for applying dicamba herbicides and must be obtained before auxin training
Tuesday, January 22, 2019 Farmers Forum 400pm – 5:00pm Exhibits – 5:30pm Program – 6:15pm Meal	Kermit E. White Center, ECSU	NC Soybean Festival	Entertainment – Elvis Presley Impersonator	None
Wednesday, January 23, 2019 8:00am – 12:00pm 8:00am – 10:00am (V) 10:00am – 12:00pm (X) Commercial credits provided during X	Pasquotank Extension Center	Private (Farmer) Pesticide Applicator Recertification Class – V & X Training	Al Wood, Extension Agent, Pasquotank Clay Hudson NCDA&CS, Pesticide Section	Private Applicator: 2 hours V 2 hours X Commercial Applicator: 2 hours (A) Aquatic, (B) Public Health, (D) Dealer, (G) Forest, (H) Right of Way, (I) Regulatory, (K) Ag. Pest-Plant, (L) Ornamental & Turf, (M) Seed Treatment, (N) Demonstration & Research, (O) Ag Pest – Plant, and (T) Wood Treatment

Date/Time	Location	Topic	Speaker	Pesticide Credits
Thursday, January 24, 2019 10:00am – 12:00 noon Meal	Pasquotank Extension Center	Knowing Your Costs: Crop Budget and Market Outlook	Cowan Taylor, Smithfield Grain; Derek Washburn, NC Farm School Program Associate, NCSU, Nick Lassiter, Grain Marketing Specialist, NCDA&CS	None
Wednesday, January 30, 2019 6:00pm – 8:30pm Meal	Pasquotank Extension Center	Maximizing Profitable Corn Yields	Al Wood, Extension Agent, Pasquotank Ron Heiniger, Extension Crops Specialist, NCSU	Private Applicator: 2 Hours X Commercial Applicator: 2 Hours (D) Dealer, (N) Demonstration & Research, & (O) Ag Pest-Plant
Thursday, January 31, 2019 8:30am – 12:00pm	Pasquotank Extension Center	Commercial Pesticide Applicator Recertification – Pesticide Applicators: Doing The Job Right	Al Wood, Extension Agent, Pasquotank Chris Hassell Pesticide Inspector, NCDA&CS	Private Applicator: 3.5 Hours X Commercial Applicator: 3.5 Hours (A) Aquatic, (B) Public Health, (D) Dealer, (G) Forest, (H) Right of Way, (I) Regulatory, (K) Ag Pest-Plant, (L) Ornamental & Turf, (M) Seed Treatment, (N) Demonstration & Research, (O) Ag Pest – Plant, and (T) Wood Treatment
Tuesday, February 5, 2019 9:00am – 11:30am (first of two sessions; second on February 21 at same time)	Pasquotank Extension Center	Understanding Your Soil Test Report	Al Wood, Extension Agent, Pasquotank Dr. Carl Crozier Extension Soils Specialist, NCSU Dr. David Hardy NCDA&CS, Agronomic Services, Soil Testing Carl Pugh Area Agronomist, Agronomic Services, NCDA&CS	None

Date/Time	Location	Topic	Speaker	Pesticide Credits
Wednesday, February 6, 2019 8:00am – 12:00 noon 8:00am – 10:00am (V) 10:00am – 12:00pm (X) Commercial credits provided during X	Pasquotank Extension Center	Private (Farmer) Pesticide Applicator Recertification Class – V & X Training	Al Wood Extension Agent, Pasquotank Clay Hudson Pesticide Section, NCDA&CS	Private Applicator: 2 hours V 2 hours X Commercial Applicator: 2 hours (A) Aquatic, (B) Public Health, (D) Dealer, (G) Forest, (H) Right-of-Way, (I) Regulatory, (K) Ag-Pest Animal, (L) Ornamental & Turf, (M) Seed Treatment, (N) Demonstration & Research, (O) Ag Pest – Plant, and (T) Wood Treatment
Tuesday, February 12, 2019 6:00pm – 8:30pm Meal	Pasquotank Extension Center	Refining The Strategies on Stink Bug Management/Disea se Management of Soybean	Al Wood Extension Agent, Pasquotank Dr. Lindsey Thiessen, Extension Plant Pathologist, NCSU Dr. Dominic Reisig Extension Field Crops Entomologist, NCSU	Private Applicator: 2 hours X Commercial Applicator: 2 hours (D) Dealer, (N) Demonstration & Research, and (O) Ag Pest – Plant
Friday, February 15, 2019 1:30pm – 2:30pm	Pasquotank Extension Center	Farmworkers Worker Protection Standard Training (annual training required under WPS)	Al Wood Extension Agent, Pasquotank	Documentation for farmers verifying their workers have had training
Wednesday, February 20, 2019 9:00am – 10:00am Registration & Trade Show 10:00am – 12:00 noon Tour 12:00 noon Sponsored Lunch		NE AG Expo Small Grain Field Day	Extension Specialist	Private Applicator: 1.5 hours X Commercial Applicator: 1.5 hours of (D) Dealer, (N) Demonstration and Research, and (O) Ag Pest-Plant

Date/Time	Location	Topic	Speaker	Pesticide Credits
Thursday, February 21, 2019 9:00am – 11:30am (second of two sessions; second; first session is on February 5th)	Pasquotank Extension Center	Understanding Your Soil Test Report	Al Wood Extension Agent, Pasquotank; Dr. Carl Crozier Extension Soils Specialist, NCSU Dr. David Hardy NCDA&CS, Agronomic Services; Carl Pugh Area Agronomist, Agronomic Services, NCDA&CS	None
Tuesday, February 26, 2019 11:00am – 12:00 noon	Currituck Extension Center	Auxin Herbicide Technologies (required training for person operator the sprayer when applying auxin herbicides)		Private Applicator: 1 hour X Commercial Applicator: 1 hour (D) Dealer, (N) Demonstration & Research and (O) Ag Pest-Plant
Wednesday, February 27, 2019 9:15am – 10:00am registration 10:00am – 12:00 noon Landscape Contractor Business Credits 12:00 noon – 1:00pm Lunch on your Own & Afternoon Registration 1:00pm – 4:30 pm Pesticide Credits	Pasquotank Extension Center	Albemarle Area Landscape School		Private Applicator: 2 hours X Commercial Applicator: 3 hours (D) Dealer, (L) Ornamental & Turf, and (N) Demonstration & Research
Thursday, February 28, 2019 6:00pm – 8:30pm Meal	Pasquotank Extension Center	Weed Control of Corn and Soybean/Industrial Hemp Production	Dr. Angela Post Small Grain Specialist, NCSU Dr. Wes Everman Weed Control Specialist, NCSU	Private Applicator: 2 hours X Commercial Applicator: 2 hours (D) Dealer, (N) Demonstration & Research and (O) Ag Pest-Plant

30th Annual Joint Commodities Conference

The **30th annual joint commodities conference** will be on **January 9 - 11, 2019** at the Sheraton Imperial Hotel in Durham. This is an excellent opportunity to learn about issues affecting the crops you grow such as corn, soybean, cotton, and wheat. For more information, you can go to <http://nccommoditiesconference.com/>.

NC Soybean Festival

Plans are underway for the NC Soybean Festival. It will be held on **Tuesday, January 22nd** at the **K.E. White Center on the campus of ECSU**. The doors will open at 5:30pm for the public to view exhibits and the program will start at 6:15pm. As usual, we will be recognizing soybean yield contest and poster contest winners of the fourth-grade students from Currituck, Camden, Pasquotank, and Perquimans. The Farmers Forum, which is a part of the NC Soybean Festival, will be held beginning at 4:00pm. This program strives to provide information beneficial to soybean producers and additional information can be found in the following article. The entertainment for the evening will be A. J. Outlaw. If you plan to attend, please contact the Pasquotank County Center at 252-338-3954.

Farmers' Forum: Meeting the Challenges

As a part of the NC Soybean Festival, there will be a program called the Farmers' Forum. This program will start at 4:00pm on **Tuesday, January 22nd** immediately prior to the beginning of the main part of the NC Soybean Festival. The farmers' forum will be made up of a speaker panel that will address the topic: "Meeting the Challenges". The speaker panel consists of two presenters. Andrew Branan, Extension Assistant Professor, Agricultural & Resource Economics, NCSU; will address Land Rental and Lease Agreements, and Liability Issues with Farming Operations and Michelle Wang, International Marketing Specialist, NC Department of Agriculture & Consumer Services will be sharing international marketing opportunities for NC soybean. There will be an opportunity for those attending to get answers to their questions. We hope that you make plans to attend this informative program.

Auxin Label Changes

Changes were made to the labels for dicamba-containing products labeled for over the top use in cotton and soybean. The most notable change includes the following:

Only certified applicators may apply dicamba over the top (those working under the supervision of a certified applicator may no longer make applications).

With this change, two things will be required. First, if the person operating the sprayer does not have a private (farmer) pesticide applicator license, then that person will have to get one to legally apply dicamba over the top. Secondly, after getting a pesticide license, the

applicator must also attend the auxin stewardship training discussed below. To recap, to legally apply dicamba over the top you must first get a pesticide license followed by the auxin stewardship training.

For those interested in receiving a pesticide licenses we will have a review session for the pesticide-licensing exam on Friday, January 18, 2019 at the Pasquotank County Center from 8:30am to 10:30am with a break from 10:30am to 11:00am followed by testing starting at 11:00am. There is a fee of \$10 for taking the test so come prepared to pay.

The next part of this process requires the licensed applicator also take the auxin stewardship training. A slate of auxin stewardship trainings located across the state will be conducted in the coming months. There will be two in northeast North Carolina. For Camden, Currituck, and Perquimans counties, it will be on Tuesday, February 26 at 11:00am at the Currituck Co. Ext. Center, 120 Community Way, Barco, NC. The other one for Chowan, Gates, and Perquimans will be on Tuesday, February 26 at 3:00pm at Leon Nixon's Catering, 749 Virginia Rd., Edenton, NC.

Labels for 2,4-D choline-containing products (Enlist One and Enlist Duo) do NOT require an applicator be certified to apply these products over the top. However, like in years past, the NC 24(c) label that requires all applicators to take the auxin stewardship training to legally apply 2,4-D choline over the top remains in effect.

Among the auxin stewardship trainings offered, there are a series of trainings offered in Raleigh mid-March through early-May, 2019. These training will serve to catch any folks who were unable to attend an earlier training in their area. Also, on April 10th at noon in Raleigh, growers/applicators will have the opportunity to receive the training in Spanish from Dr. Ramon Leon.

For additional information on this topic including the other label changes, you can go to the following link:

<https://cotton.ces.ncsu.edu/2018/12/2019-schedule-for-auxin-stewardship-training/>

If you have questions, please contact the Pasquotank Extension Center (252-338-3954).

Farmworkers Worker Protection Standard Training

One change made to worker protection standards is the requirement for workers (not including family members) to comply with worker protection standards training for chemical handlers (involved with the application of the pesticide). Another change is workers (others that work on the farm not involving pesticides) must obtain training prior to working on the farm as well as the training required annually for both. This requirement is something that growers have the responsibility to make certain their workers have (unless they already have had it in the current year) and if they do not have it, to provide it. In addition, the growers must have documentation that each worker has had the training. This is something that the NCDA&CS Pesticide Inspectors will check for among other things.

To help growers to fulfill this requirement, the Pasquotank County Center will be providing the training on Friday, February 15th, from 1:30pm to 2:30pm. Please call our office to make reservations for your workers to attend. When they complete the training, we will provide the growers with a document that shows who has received the training.

**Pasquotank-Camden-Currituck-Perquimans-Chowan
USDA-FSA Crop Report Deadlines**

Failure to meet deadlines in 2019 for crop reporting will result in late fees being applied. If you have questions, contact your local USDA- Farm Service Agency office at 338-1070 extension 2 or 426-5802 extension 2.

Crop Reporting Deadlines, by 4:30PM on the days listed here:

January 15th – wheat and all fall seeded grain crops

May 15th – spring cabbage and potatoes

July 15th – corn, soybeans, cotton, peanuts, grain sorghum and all other crops

September 15th – fall cabbage

**2019 Testing and Pesticide School for Commercial and
Private Pesticide Applicator License**

The Pasquotank County Center is hosting two testings for people desiring to obtain a commercial pesticide or private (farmer) pesticide license. The first will be on **Wednesday, March 13, 2019**, and the second on **Wednesday, November 13, 2019**. The testing will take place at the Pasquotank County Center located at **1209 McPherson St, Elizabeth City** and will begin at **1:00pm**. Anyone coming for the testing should bring a picture ID and a calculator. Also, if you are taking the test for a government job you should also bring the address for your place of employment since it will be needed when you sign up to take the test. A review session in preparation for the testing will be held on **Friday, March 8th**, and **Friday November 8th**, respectively with both of them being from **9:00am – 11:00am** at the **Pasquotank County Center**. If you plan to attend any of these, please call the Pasquotank Extension Center at **252-338-3954**.

Although the date and time has not been determined, there are plans to have a pesticide school at the Pasquotank Extension Center in late summer/early fall. Watch for notices in the near future.

Corn, Soybean and Wheat: A Review and What to Consider

2018 ranged from some poor, mostly good to a few excellent yields for corn, soybean, and wheat. It is some of those challenges of 2018 and anticipation of potential challenges for 2019 that I would like to share with you.

Wheat

The 2017-2018 wheat crop was reasonably good considering the weather we had for much of the growing season. It had its challenges from basically planting through most of the growing season. We had next to no problem with scab this year (aka fusarium head blight), but is something we need to keep on the radar. One thing that I use to monitor the conditions and potential problems with this disease is the Penn State Fusarium Head Blight Prediction Center found at the following URL: <http://www.wheatscab.psu.edu/>.

Other things to consider with this crop are as follows:

- **Take advantage of favorable weather** to do things needed by the crop such as nitrogen management and timely applications of herbicides (don't let annual ryegrass get the best of you and watch out for the occasional field that gets heavy infestations of annual bluegrass (aka wintergrass). The postemergence herbicides such as Osprey and Axial work best when ryegrass is not too big. Read label on size and number of tillers of the weedy grasses.
- **Check tiller numbers in January** to get an indication about whether a timely split application is needed. Observe your crop in helping you about managing it.
- **Specifically watch for pest** such as insects and diseases as well as to take action at the appropriate time.
- **Our higher end yields (not our highest) are running in the 80's and 90 plus bushel per acre yield and to break that barrier there are two things I feel need to be considered.** First thing is drainage. I know with the current grain prices, we can not afford to do much/to no land shaping or drainage, but one thing we can do is keep the majority of our acreage on our better drained soils. Second, is our attention to fertility, which includes a refinement of nitrogen application rate and placement as well as closer attention to micronutrients.

Corn

With the adverse growing season, we have had this year, I was not expecting a good corn crop. After talking with growers once the crop was in, I had a number of growers say that their crop did better than they were expecting. At best, it was just an average year. There were also issues arising this year such as barren stalks even with some of our high yielding varieties. Some spots in the area had problems with stinkbugs. To help provide what we currently know about stinkbugs, Dr. Dominic Reisig will be conducting a meeting this winter as well as Dr. Heiniger will be sharing his insight as to what will be the best strategy to get maximum profitable yields.

With all that is going on in the grain markets such as tariffs, and negotiations on trade agreements, no one really knows what the future holds in terms of grain prices. The US corn and soybean crop for 2018 is not going to help with the prospects for higher prices so we must hope that someone in the world needs a lot of both. **The main thing I would say is to look at your cost of production for soybean and corn as well as your yield potential for each and then decide what you think would be your best mix of crop acreages for 2019. A workshop is**

planned for this winter where growers can learn about crop budgets as well as get information on grain market outlook for 2019.

Soybean

The 2018 soybean crop was challenging and the biggest issue with the early planted early maturing soybean (maturity group 4's, but have heard of it with other maturities in the region) was them staying green and not shedding leaves. This problem has researchers and industry people scratching their heads and you will be hearing more about it in our soybean meeting. Stinkbugs was also an issue this year and growers had questions about what they should do.

So, what can we take from this crop in preparation for the 2019 crop.

- From what I am seeing, growers are developing strategies to get higher soybean yields. Continue on that quest for improvement.
- **The issue of plants staying green and not dropping its leaves so that it is delaying harvest with early planted early maturing soybeans is an issue not to be ignored and many people are looking at what should be done in the future to avoid it. Stay tune for more information on this topic.**
- Having recognized the issue of plants staying green for certain situations (not certain we know everything about it), **we still had some excellent yields with the group 3's this year. I would not recommend planting more than 10 – 15% of my soybean acreage to an early maturing variety.** One thing that growers may look at with the group 3's is earlier planting dates on productive well drained soils at earlier planting dates in locations with the least likelihood of a late-spring frost and/or freeze. Deciding how early to go for an early planting date is going to be critical.

2018 NC Soybean Official Variety Testing Results

The 2018 NC Soybean Official Variety Test results are available at this time. Although the results are no longer published as a hardcopy green book, it can be obtained online at <http://www.ncovt.com/>. Pasquotank County had a soybean OVT with Charles Gray and Son's and their assistance is greatly appreciated.

2018 NE Ag Expo Soybean Variety Trials Yield Data

Soybean variety trials were coordinated and conducted by the Extension Centers of Camden, Currituck, Chowan, Pasquotank and Perquimans counties. **NC Spuds assisted with this year's trial in Pasquotank County and we do appreciate their hard work.** Below is the yield data from these sites. Also, it can be found online at <http://www.ncneagexpo.com/soybean-variety-trials>. Hopefully, this information will assist you in selecting varieties that you will plant in 2019.

2018 Northeast Ag Expo Soybean Variety Trials Yield Data@

Variety	Avg. Across Locations			Camden		Chowan		Gates		Pasquotank		Perquimans	
	Yield (bu/a)	Maturity	Rank	Yield (bu/a)	Rank	Yield (bu/a)	Rank	Yield (bu/a)	Rank	Yield (bu/a)	Rank	Yield (bu/a)	Rank
Maturity Group 4													
Progeny P4816RX	61.6	4.8	1	74.1	8	52.6	9	45.4	2	67.6	1	68.2	2
Doebblers 49R9	61.1	4.9	2	84.2	1	50.7	11	42.6	6	56.5	13	71.7	1
MorSoy MS4846 RXT	60.1	4.8	3	77.8	4	60.2	2	35.9	13	64.3	4	62.4	8
Pioneer P48A60X	59.7	4.8	4	77.9	3	53.6	7	40.4	9	60.0	8	66.8	3
Asgrow AG47X6	59.2	4.7	5	74.0	9	57.0	6	36.7	12	62.1	5	66.2	4
Armor X47D22	59.2	4.7	6	75.1	6	59.7	3	39.8	10	59.2	10	62.0	9
Armor X45D50	59.1	4.5	7	74.1	7	58.3	5	45.6	1	58.0	12	59.3	12
MorSoy MS4616 RXT	58.2	4.6	8	69.4	11	49.1	13	43.5	3	65.9	2	63.0	7
Dyna-Gro S48XS78	57.4	4.8	9	63.8	12	58.9	4	43.4	5	59.9	9	61.2	11
Progeny P4620RXS	56.9	4.6	10	72.2	10	53.4	8	40.4	8	60.5	7	58.1	13
UniSouth Genetics 7487XTS	56.8	4.8	11			60.5	1	40.9	7	61.5	6	64.5	6
Croplan RX4817S	56.7	4.8	12	57.2	13	52.3	10	43.4	4	65.8	3	65.0	5
AgVenture 45U1X	54.0	4.5	13	77.6	5	45.2	14	27.2	14	58.1	11	62.0	9
AgVenture 45W7R	53.6	4.5	14	78.0	2	50.2	12	36.7	11	54.4	14	48.6	14
Average Yields	58.4			73.5		54.4		40.1		61.0		62.8	
Maturity Group 5													
Armor X50D13	64.2	5	1	78.9	1	50.6	13	46.2	3	78.9	1	66.1	9
Dyna-Gro S52RS86	62.6	5.2	2	71.2	8	56.7	4	46.1	4	70.1	7	68.9	4
UniSouth Genetics 75B75R	61.8	5.7	3	70.5	9	52.0	11	40.5	7	75.1	2	70.8	3
Asgrow AG52X9	61.1	5.2	4	76.1	2	54.3	7	39.6	9	68.1	9	67.5	7
Pioneer P54A75X	60.5	5.4	5	74.3	3	52.7	9	38.4	11	70.1	6	66.9	8
Doebblers 50X8	60.1	5	6	58.3	16	55.6	5	46.9	2	71.5	4	68.3	5
Doebblers 56R8	59.6	5.6	7	51.7	18	52.5	10	47.7	1	74.2	3	71.8	1
Dyna-Gro S56XT99	59.2	5.6	8	72.3	6	48.6	15	36.0	13	68.4	8	71.0	2
UniSouth Genetics 7568XT	58.7	5.6	9	70.5	9	49.1	14	41.2	6	64.3	11	68.3	5
Pioneer P51A81X	58.6	5.1	10	72.4	5	61.9	1	38.8	10	55.7	18	64.3	12
Syngenta S56-B7X	58.1	5.6	11	59.3	14	60.1	2	35.3	14	70.2	5	65.7	11
Croplan RX5667	57.3	5.6	12	68.7	11	58.6	3	35.2	15	61.2	13	62.6	13
Syngenta S53-C5	55.6	5.3	13	71.5	7	51.8	12	33.0	16	59.9	15	61.9	14
Asgrow AG54X9	55.4	5.4	14	73.2	4	45.3	17	41.8	5	56.7	17	59.9	16
Croplan RX5427	55.3	5.4	15	59.2	15	53.5	8	30.9	17	66.9	10	66.0	10
Progeny P5688RX	54.7	5.6	16	65.0	13	47.9	16	38.2	12	60.7	14	61.9	15
MorSoy MS 5807 RXT	53.8	5.6	17	57.5	17	55.5	6	39.6	8	61.6	12	54.5	18
AgVenture 51U6X5	50.8	5.1	18	65.8	12	43.1	18	28.7	18	58.1	16	58.3	17
Average Yields	58.2			67.6		52.8		39.1		66.2		65.3	

@ The varieties are arranged and ranked in descending order by the average yield across locations within maturity groups. Within locations, the varieties are ranked in descending order by yield within maturity groups. Data for one variety in Camden is not available. The top three yielding varieties within locations and across locations have their ranking marked as following: 1 (blue), 2 (red), 3 (yellow).



2018 Northeast Ag Expo Soybean Variety Trial Production Information

County	Camden	Chowan	Gates	Pasquotank	Perquimans
Cooperator	John E. Ferebee Farming, Inc.	AJ Smith & Sons	Dane Eure	NC Spuds	Julian & Charles Baker
Planting Date	May 22, 2018	June 19, 2018	June 29, 2018	May 4, 2018	June 9, 2018
Harvest Date	Nov 1, 2018	Dec 6, 2018	Dec 5, 2018	Nov 23, 2018	Oct. 24, 2018
Row Spacing	15"	15"	15"	15"	15"
Seeding Rate	125,000	125,000	125,000	125,000	125,000
Soil Type	Dragston Loamy Fine Sand	Perquimans Silt Loam	Craven Fine Sandy Loam	Hyde Mucky Silt Loam	Portsmouth Loam

