

CAMDEN CROP NEWS

October 22nd, 2019

2019 Corn Variety Trial Results

Results from the 2019 Northeast Ag Expo corn variety trials are attached to this newsletter and can be accessed at www.ncneagexpo.com. Hybrids are organized by the highest yielding over the Camden, Chowan, Gates, Pasquotank and Perquimans locations, and performance and rankings within each location are listed as well. Production information about each plot can be found on the back of the page. Without the cooperation of growers and agri-business support, we would not be able to provide this locally generated information to the growers in the region. I would like to especially thank Black Gold Farms for providing the land and other resources necessary for the Camden County location.

In addition, data from the 2019 North Carolina Official Variety Testing (OVT) corn trials have been recently published on their website at www.ncovt.com under the corn tab on the left side. If you would like a hard copy of this information please let me know.

Soil Sampling: Peak Season Date

I have been informed that soil samples must be at the N.C. Department of Agriculture and Consumer Services Soil Testing Lab by November 26th at 5pm to avoid the peak season fee of \$4 per soil sample. We have soil sample boxes and shippers available at the Extension Office for your convenience.

Considerations for 2019 Wheat Planting

By: Dr. Angela R. Post, NCSU Small Grains Extension Specialist

We are in the early part of our wheat planting window here in North Carolina and I have received several calls from growers who are rolling the drills out this week, as weather allows. We have finally received some much needed moisture with more on the way, which should set up great soil moisture profiles for early planted wheat emergence.

As you source and receive seed for planting, remember there are still high inventories of 2018 carryover seed offered for planting the 2019 crop. If stored and protected properly, there is nothing wrong with carryover certified seed from the previous crop year. However, growers should expect new 2019 germination report for this carryover seed or request one if it is not automatically offered. Wheat seed germination decreases over time in storage.

A new germination test should be used to adjust seeding rates to account for any decrease in germ experienced during this year-long storage.

Additionally, seed treatments applied to 2018 seed and held through the year will have decreased efficacy. It is not recommended to retreat this seed, though two applications per year are allowable on many seed treatment product labels. Re-handling the seed to add a second treatment may cause unnecessary mechanical damage even on seed that was stored properly. Always read and follow all label directions when treating seed.

The good news is most seed produced in North Carolina in 2019 and offered for sale this season is of good quality. Even though we had a challenging fall season, for those that had wheat to harvest, the 2019 crop was good quality and that should be reflected in seed offered for sale.

If you are planting wheat this week, remember to feed your crop. Applying 30 pounds per acre of nitrogen at planting can help jump start your crop and set you up for success in developing fall tillers. You can reduce this rate if you are following a good soybean crop. Residual nitrogen from other crop rotations is currently tied up in crop residues and not available to seedling wheat. It is best to supply that first bit of nitrogen before or within 30 days of planting for the good results. And remember, 100% of all yield contest 100-bushel club members in the last three years use a pre-plant nitrogen application in their programs.

Finally, fall weed control is important to keep the crop clean. Several products are available for early ryegrass control. For specific product recommendations, please review the North Carolina Agricultural Chemicals Manual, contact your local Cooperative Extension Agent, or the State Specialists: Dr. Wes Everman, Weed Science and Dr. Angela Post, Small Grains.

For more information regarding any of your farming needs, please feel free to contact me at the Camden County Cooperative Extension Center: 252-331-7630.

Your questions and comments are important to me.

Sincerely,



Austin Brown
Agriculture Extension Agent,
Camden County

2019 Northeast Ag Expo Corn Variety Trials Yield Data @

Variety	RM	Avg Across Locations		Camden		Chowan		Gates		Pasquotank		Perquimans			
		Moist %	T Wt lbs/bu	Yield bu/a	Rank	Yield bu/a	Rank	Yield bu/a	Rank	Yield bu/a	Rank	Yield bu/a	Rank		
Local Seed LC157VT2P	115	16.4	58.8	222.4	1	230.4	2	153.4	1	244.5	3	271.8	13	212.0	2
Dekalb DKC63-57VT2P	113	16.4	58.2	218.4	2	227.7	6	148.6	4	231.5	7	282.8	7	201.6	11
Dekalb DKC67-44VT2P	117	17.4	58.2	216.2	3	157.4	26	148.1	5	255.9	1	316.2	1	203.6	8
Auauista 1165VT2Pro	115	17.2	56.9	211.8	4	227.2	7	147.5	6	226.8	8	283.4	6	173.9	28
AdVenture AV3917VYHR	117	17.5	57.9	209.7	5	236.3	1	127.0	17	200.3	19	268.1	15	216.7	1
REV 28BHR18	118	18.2	58.0	208.7	6	218.8	11	139.9	9	208.3	14	271.4	14	205.0	7
Axis 63D28RIB	113	16.2	57.6	208.2	7	221.8	10	131.6	15	240.7	4	261.9	20	185.1	22
Axis 65D28RIB	115	16.9	57.6	207.5	8	228.9	3	134.8	11	226.1	9	263.1	18	184.4	23
Progeny 1712 SS	112	16.1	56.9	205.8	9	201.8	17	142.0	8	222.7	10	276.3	12	186.3	21
AdVenture AV7516YHR	116	17.8	58.8	205.8	10	227.9	4	108.6	24	189.3	21	294.5	3	208.8	4
Pioneer P1870YHR	118	18.2	57.7	203.8	11	224.6	9	126.3	19	183.1	22	296.6	2	188.3	20
Local Seed LC1488VT2P	114	16.4	58.1	203.7	12	217.7	12	130.9	16	205.2	17	256.7	21	207.9	5
Dyna-Gro D52VC63	112	16.3	57.2	203.4	13	190.7	20	133.3	14	235.0	5	277.8	9	180.2	26
REV 25BHR80	115	17.1	57.3	201.9	14	226.7	8	116.1	22	218.8	11	266.6	16	181.2	25
Seedway 7560GENVT2P (RIB)	115	17.1	57.4	201.2	15	204.5	16	153.2	2	211.0	13	249.0	26	188.4	19
Progeny 1815 DG	115	16.8	57.9	200.0	16	227.8	5	105.1	25	205.6	16	266.3	17	195.4	14
Pioneer P1464VYHR	114	16.6	58.0	198.7	17	199.9	18	96.8	27	204.3	18	291.0	4	201.7	10
MorCom MC4725VT2P	117	17.6	58.1	197.8	18	188.9	22	118.2	21	215.5	12	276.9	10	189.3	18
Auauista 4565-3220GT	115	16.9	56.7	195.8	19	206.0	15	145.6	7	173.2	23	251.4	24	202.9	9
Syngaenta NK1573	115	16.9	56.6	195.1	20	207.1	14	134.1	12	192.6	20	244.1	28	197.9	12
Croplan 5678VT2P	116	17.1	57.9	194.7	21	123.2	27	126.5	18	234.7	6	278.1	8	210.9	3
Phoenix 6507A3	115	17.6	56.2	191.3	22	213.4	13	139.5	10	167.6	24	252.8	23	183.3	24
MorCom MC4319VT2P	113	17.1	57.8	190.2	23	192.3	19	151.9	3	151.5	8	250.0	25	205.5	6
Phoenix 7402A4	118	18.6	56.6	187.2	24	189.0	21	96.5	28	205.7	15	254.8	22	190.1	16
Croplan 5789VT2P	117	17.7	57.7	187.0	25	73.9*	28	133.7	13	252.9	2	276.7	11	197.6	13
Dyna-Gro D58VC65	118	17.1	57.6	181.7	26	168.8	24	108.7	23	152.2	27	288.1	5	190.7	15
Syngaenta NK 1808	118	18.9	55.9	177.9	27	174.9	23	120.2	20	153.4	25	262.4	19	178.9	27
Seedway SW 6780GENVT2P	112	16.9	56.6	170.0	28	159.1	25	101.6	26	153.3	26	246.4	27	189.5	17
Average By Location						206.5		129.3		205.8		270.5		194.9	

@ Testers were used in each of the locations to remove within field variability not attributable to the hybrids. Varieties are listed in descending order according to average yield across locations (i.e. 1 (highest yielding) to 28 (lowest yielding)). Within locations the varieties are ranked in descending order according to yield from highest (1) to the lowest yielding variety (28). The top three yielding varieties within locations and across locations have their ranking marked as following: 1 (blue), 2 (red), 3 (yellow).

* These Croplan varieties were affected by green snap at the Camden location based on field observations, as well as reflected by their yields.

2019 Northeast Ag Expo Corn Variety Trial Production Information

County	Camden	Chowan	Gates	Pasquotank	Perquimans
Cooperator	Black Gold Farms	Poplar Neck Farms	Cypress Glade Farms	Charles Gray & Sons	Allen Wayne Stallings
Planting Date	5/2/19	4/23/19	5/6/19	4/18/19	5/1/19
Harvest Date	9/25/19	9/20/19	9/27/19	8/30/19	9/23/19
Soil Type	Roper Muck	Altavista, Augusta, & Tomotley Fine Sandy Loam	Goldsboro Fine Sandy Loam	Dragston Fine Sandy Loam/Perquimans Silt Loam	Arapahoe Fine Sandy Loam
Previous Crop	Potatoes	Cotton	Soybeans	Soybeans	Soybeans
Row Spacing/ Plant Pop	30" 32,000	19" 34,000	20" 33,000	20" 34,000	38" 28,500
Total Rainfall (ClimateFieldView)	30"	27"	25"	28"	29"



CAMDEN • CURRITUCK • CHOWAN • GATES
PASQUOTANK • PERQUIMANS