

2018 - 2019 Northeast Ag Expo Wheat Variety Trials@

Variety	Camden			Pasquotank			Perquimans			Overall Average*		
	T Wt lbs/bu	Yield bu/a	Rank	T Wt lbs/bu	Yield bu/a	Rank	T Wt lbs/bu	Yield bu/a	Rank	T Wt lbs/bu	Yield bu/a	Rank
Croplan 9606	59.0	87.9	1	58.5	116.7	2	54.6	98.1	12	58.0	100.9	1
Syngenta SY Richie	59.0	74.3	15	57.5	115.1	4	54.9	112.9	1	57.9	100.8	2
Progeny #Berkeley	59.3	79.9	6	58.1	109.8	8	55.0	112.0	2	58.0	100.6	3
Pioneer 26R59	58.3	78.4	8	56.4	115.6	3	54.5	103.4	4	57.0	99.2	4
Progeny #Warrior	58.9	81.8	3	57.9	108.9	9	55.0	102.6	6	57.7	97.8	5
Croplan 8800	59.6	82.4	2	58.5	108.4	10	54.1	97.8	13	57.8	96.2	6
UniSouth Genetics 3329	59.5	78.9	7	58.9	112.6	6	52.9	95.9	18	57.6	95.8	7
Syngenta SY Viper	59.5	75.5	13	58.5	100.2	17	56.3	109.9	3	58.8	95.2	8
UniSouth Genetics 3458	59.6	65.2	24	57.5	117.4	1	53.3	102.3	7	57.4	95.0	9
Dyna-Gro 9811	60.2	81.2	4	58.5	99.3	18	55.3	101.6	8	58.5	94.0	10
Pioneer 26R45	59.4	68.3	22	58.7	110.1	7	55.0	101.1	9	58.1	93.2	11
UniSouth Genetics 3118	60.4	74.1	17	59.3	101.2	16	57.0	103.1	5	59.4	92.8	12
Southern Harvest 7200	59.5	76.2	12	58.8	106.6	11	56.7	93.7	21	59.1	92.2	13
Dyna-Gro 9932	59.6	74.2	16	58.6	103.8	13	55.5	97.3	14	58.3	91.8	14
Local Seed 2867	59.0	64.9	25	58.7	113.8	5	56.9	96.0	17	58.9	91.6	15
Southern Harvest 4400	59.6	80.2	5	58.0	93.6	22	54.8	96.8	16	57.8	90.2	16
Southern Harvest 7510	60.0	76.6	11	59.2	102.1	15	55.1	91.7	23	58.5	90.1	17
Pioneer 26R10	59.5	78.2	9	57.6	92.6	24	54.9	98.4	11	57.7	89.7	18
AgriMaxx 415	59.8	76.9	10	58.3	92.8	23	56.4	99.4	10	58.8	89.7	19
Local Seed 2848	59.8	71.9	20	58.8	105.8	12	54.6	91.4	24	58.1	89.7	20
AgriMaxx 473	59.4	67.4	23	58.2	102.5	14	54.1	94.1	20	57.8	88.0	21
AgriMaxx 486	59.5	72.4	19	58.5	91.0	25	56.6	97.1	15	58.7	86.8	22
Progeny #Bullet	59.6	71.9	21	58.3	94.5	21	53.8	92.5	22	57.8	86.3	23
Croplan 8550	60.0	75.5	14	58.6	87.6	26	55.5	95.4	19	58.5	86.2	24
Dyna-Gro 9701	60.0	74.0	18	58.6	95.8	20	54.5	87.7	25	58.0	85.9	25
Syngenta SY 547	59.2	63.5	26	58.9	96.4	19	54.8	87.5	26	58.2	82.5	26
Avg. within locations		75.1			103.6			98.4				

@ Varieties are arranged and ranked in descending order according to the average yield across three locations. Within locations the varieties are ranked in descending order according to their yield. The first through third highest yielding variety within each location and across locations is highlighted as follows: 1st (blue), 2nd (red), and 3rd (yellow).

* Overall average for three locations includes the Camden, Pasquotank, and Perquimans sites.



2018-2019 Northeast Ag Expo Wheat Variety Trial Production Information

County	Camden	Chowan	Pasquotank	Perquimans
Cooperator	Temple Family Farms	Jamie Stallings	Billy Mercer	Thomas Roach
Planting Date	Oct 31, 2018	Nov 8, 2018	Nov 1, 2018	Oct 29, 2018
Harvest Date	May 31, 2019	June 4, 2019	June 5, 2019	June 6, 2019
Soil Type	Yeopim Silt Loam	Tomotley fine sandy loam/Munden loamy fine sand	Perquimans Silt Loam	Augusta Fine Sandy Loam
Previous Crop	Corn	Peanuts	Corn	Cotton
Plant Pop. & Tillage	1.9 mil/ac; (Conventional Till)	2 mil/ac; (Conventional Till)	1.9 mil/ac; (Conventional Till)	1.9 mil/ac; (No-till)
Total Rainfall (Source: Climate Field View)	36"	24"	35"	30"



NE Ag Expo Agent Replicated Variety Trial 2018-19 Yield Table: Chowan County

Variety	Yield (bu/A)	Test Weight (lb/bu)
UniSouth Genetics 3118	85.4	60.8
Progeny #Berkeley	83.0	59.4
Southern Harvest 7510	75.3	59.7
Progeny #Bullet	74.6	59.6
Croplan 8550	74.3	59.8
Syngenta SY Richie	74.2	60.0
AgriMaxx 415	73.3	60.6
Southern Harvest 7200	71.4	61.3
AgriMaxx 473	69.0	59.3
Local Seed 2848	67.1	59.1
Progeny #Warrior	65.7	59.1
AgriMaxx 486	60.5	60.1
Croplan 8800	60.0	59.0
Southern Harvest 4400	58.5	58.9
Local Seed 2867	58.4	60.8
Croplan 9606	56.1	59.9
Syngenta SY Viper	55.7	60.8
Syngenta SY 547	55.1	59.9
Dyna-Gro 9811	53.9	59.8
Dyna-Gro 9701	50.3	58.9
Pioneer 26R59	47.4	58.9
UniSouth Genetics 3329	45.2	59.2
UniSouth Genetics 3458	44.3	59.1
Pioneer 26R10	42.1	58.7
Dyna-Gro 9932	40.3	59.6
Pioneer 26R45	35.8	59.4
Mean	60.6	59.7
Pr > F	<.0001	<.0001
CV	12.5	1.1
Avg LSD (p=0.05)	11.3	0.93

Yield values in bold represent the top yield group at this location with no significant difference from the top yielding variety. PLEASE SEE LOCATION SUMMARY ON BACK.

Location Summary:

Planting Date: November 8th, 2018

Harvest Date: June 4th, 2019

The NE Ag Expo agent replicated variety trial location was in Chowan County for the 2018-19 season. Wet weather conditions in Fall 2018 delayed planting past the optimal window. Cool, wet conditions persisted following planting and delayed emergence and stand establishment. At spring green-up, disease pressure was apparent. Both Pythium and Fusarium root rotting organisms were isolated from wheat roots. The trial remained in good condition overall following topdress and the decision was made to take the trial to harvest. Yields suffered due to the consistent disease pressure across the site, but still provided good data for producers in the region to rely on particularly in a cool, wet fall situation which is not ideal for soft red winter wheat. Herbicide was applied February 7th, 2019: 1.5oz/A Zidua, 16 oz/A Axial and 0.75 oz/A Quelex for pre and post emergent weed control. Topdress was applied March 7th 2019: 130 lbs N/A with 30% UAN as the source. No fungicides were applied.