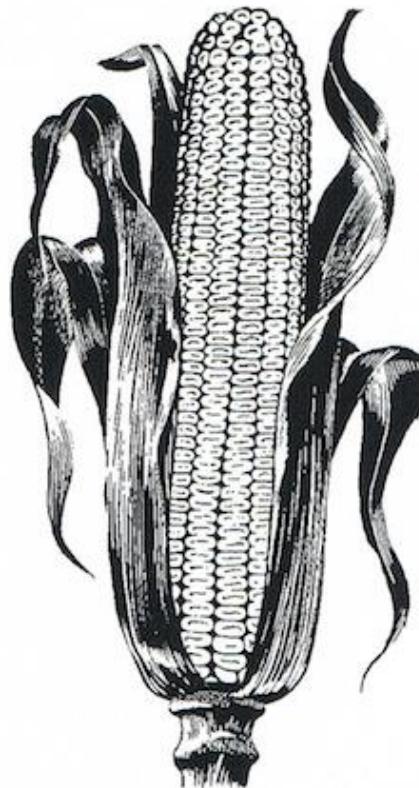

NORTH CAROLINA MEASURED CROP PERFORMANCE CORN and CORN SILAGE 2019



North Carolina State University
College of Agriculture and Life Sciences
North Carolina Agricultural Research Service
Raleigh, North Carolina 27695
Steve Lommel, Director of Research

<http://www.ncovt.com>

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North Carolina Measured Crop Performance

Corn and Corn Silage 2019

Official Variety Testing Program

Department of Crop Science

North Carolina State University

Raleigh, North Carolina 27695-8604

Ryan Heiniger

Director, Official Variety Testing Program

Jeremy Davis, Jonathan Moore, Phil Johnson

Researchers

Dr. Ron Heiniger

Corn Extension Specialist

<http://www.ncovt.com>

INTRODUCTION

In 2019, North Carolina growers planted 920,000 acres of corn for grain production across the state, and 70,000 acres of corn for silage. Silage is an important part of the beef and dairy cattle industry in North Carolina, particularly in the Piedmont and Mountain regions.

The performance of various corn hybrids in different areas of the state depends on their adaptation to the environmental conditions within the area. With the large number of commercially available and prospective hybrids of corn, it becomes difficult for growers to select a superior hybrid suited for their particular area of the state and their individual farming operations. To make this decision, the growers need up-to-date, unbiased, reliable information. The Official Variety Testing Program at North Carolina State University seeks to provide that information through this report.

This report provides information for corn production as both grain and silage. It contains information on experimental procedure, trial locations, current season weather and performance results, as well as, performance for the previous two years when possible. Corn grain trials are conducted at nine locations across the Tidewater, Coastal Plain and Piedmont regions of North Carolina. Silage is conducted at two locations between the Piedmont and Mountains.

Growers are cautioned against selecting hybrids based on an individual location in any one year. True hybrid performance may have been influenced by the weather or pest conditions experienced at any one location or any one growing season. Therefore, performance is best determined by looking at multiple year and statewide tables. Single location tables should only be used to confirm choices made from multiple year or location data, or to examine performance of new hybrids.

EXPERIMENTAL PROCEDURE

Entries: Any public or private individual or firm is welcome to submit entries to the Official Variety Testing Program. In early January of each year, trial instructions and applications for the upcoming season are distributed to all previous participants and to those who make inquiry; they are also available on our website: www.ncovt.com. Entries are planted in separate tests for early (105 - 109 day), medium (110 – 115 day) and late (> 115 day) maturing hybrids based on the relative maturity specified on the application form by the sponsoring agency. It is important to remember that hybrids are categorized based on relative maturity, hence some hybrids may actually fit into either of two maturity groups. An entry fee

is charged for all private entries. The OVT program reserves the right to include additional entries for which additional information is desired.

During the 2019 growing season, 11 early, 48 medium and 30 late maturing hybrids were evaluated in the North Carolina corn grain trials. The silage trial evaluated 22 hybrids. Applicants provided seed to conduct the statewide trials. Entries were requested to have the fungicidal and insecticidal seed treatments of choice.

Locations: Corn trials were planted at nine locations across the state. Early, medium and late maturity trials were conducted at all locations. Two trials were conducted for silage. One in Rowan County and one in Haywood County.

Three trials were located in the Tidewater region – Beaufort, Pasquotank and Pamlico Counties. Three trials were conducted in the Coastal Plain – Greene, Robeson and Duplin Counties. Three trials were conducted in the Piedmont – Rowan, Surry and Union Counties. Within each region, performance trials were conducted on both North Carolina Department of Agriculture Research Stations, as well as private farms. A list of our cooperators and their locations are listed at the end of this document. The Official Variety Testing Program recognizes and appreciates the cooperative spirit and civic-minded service rendered by the growers who have furnished, cultivated and managed the land for these trials.

Field Plot Design: A unique randomized, complete block design, with four replications per entry, was used at each location. Plots were planted as 2 rows, 25 feet long on 30" row widths with a population of 28,000 plants per acre at all Piedmont and Coastal Plain locations and 32,000 plants per acre at all Tidewater locations. Corn Silage trials were planted at 34,000 plants per acre. Plots were contiguous across the field, thereby reducing border effect. The entire two rows were harvested for yield.

Crop Management: Cultural practices, such as seedbed preparation, planting date, fertilization and topdressing were in accord with good farming practices and were uniform for all entries in a given trial. Prior to planting each trial, soil samples were collected from the field and submitted to NCDA Agronomic Services Division for soil chemical analysis .

Fertilizer and lime applications were made according to NCDA soil test recommendations. A total of 180 to 200 units of nitrogen were applied to each location in season.

SEASONAL CONDITIONS

The 2019 growing season was delayed by wet soil conditions, but began in earnest during the first week of April. Planting conditions were ideal through April and into early May. However, in late May all locations experienced very hot conditions for a period of a week. This hot and dry pattern continued at varying degrees across all locations for the entire growing season. Rainfall patterns and amounts, along with maximum temperatures for each location, are detailed in both the cultural practices table, and in the graphs immediately following that table.

DATA AND RESULTS

Plant and Ear height: For corn, ear height was determined by measuring the distance from the ground to the node where the ear attaches to the stalk. For silage, height of fully matured plants was measured from ground level to the flag leaf node. All values are reported as statewide averages.

Grain Yield: Yield is reported as a mean value. Harvest values were adjusted to 15.5% moisture, and are reported as bushels per acre, based on 56 pounds per bushel.

Yield is reported as a weighted mean value on both a statewide and regional basis by averaging data across all applicable environments within the state or region. These data are available for multiple year and current year. In calculating statewide and regional means, the means for each hybrid were weighted according to trial precision at each location. Therefore, these means are not simple averages of trial means. As statewide and regional means are weighted, two and three-year means may not appear to equal the average of the yearly means. Data are reported based on yield rank from highest to lowest.

Multi-year data is a better predictor of hybrid performance than single year or single environment data. Therefore, yield is reported for multiple year performance in addition to current year hybrid performance.

Silage Yield: At harvest, silage was weighed at field moisture. Sub-samples were collected at harvest and were sent to Dairy One Forage Testing Laboratory to analyze forage quality using near infrared reflectance (NIR) spectroscopy. Many characteristics were analyzed using the NIR 48-hr NDFD incubation period. Several of these: dry matter, crude protein, neutral detergent fiber, neutral detergent fiber digestibility (NDFD), starch, ash and fat were used to calculate milk production using the MILK2006 equation developed at the University of Wisconsin (Shaver, 2006). These values are a useful tool to assess relative milk production of hybrids. Milk production is reported as pounds per acre and pounds per ton dry matter. Hybrids are ranked based on milk production per acre .

COMPARING HYBRIDS

Performance of a hybrid cannot be determined with absolute precision. Even though the tests are conducted in a uniform manner, uncontrollable variability exists among

experimental plots due to environmental differences in soil, fertility, moisture, insects, diseases, and other sources of variation. Because this variability exists, statistics are used as a tool to examine differences among hybrids. A statistical method of spatial analysis has been used to allow for similarities between neighboring plots based on their location in the field in order to adjust for the unknown environmental variation (Brownie et al., 1993). The particular spatial model allows for correlations that decrease exponentially as distance between plots increases in both row and column directions.

Coefficient of variation (**CV**) is a relative assessment of trial variability. It measures experimental error caused by variation in management practices and immeasurable factors in the environment as a percent of mean yield for the trial. To summarize values of CV for multiple environments, the average of the values for individual sites (**avg CV**) is reported. Lower values generally indicate trials with less unexplained variation, hence, more reliable trials (though high mean yields also tend to produce lower CVs).

Standard error of the mean (**SEM**) is listed as a general indicator of precision since it measures how well a true hybrid mean was estimated. For individual trials, SEM varies across hybrids (due to accounting for spatial variation within the site) and is summarized by reporting the average SEM (avg SEM). On average, this indicates how well hybrid means were measured across all replications within the trial. Where multiple trials were combined for regional and statewide data, **SEM** is reported. For combined datasets, the hybrid mean is an average over environments and replications within environments, weighted by precision associated with each environment. The SEM for averages over environments is the same for each hybrid and mainly reflects differences in performance of hybrids across environments. Thus, lower values of SEM tend to indicate greater consistency in hybrid rankings across environments.

All reported trials meet an established criterion for precision by having an average value of the standard error of a difference between hybrid means (avg SEDiff) below a threshold value. Avg SEDiff is calculated as the square root of the average variance of a difference between two hybrid means. Threshold SEDiff values are based on OVT data from 1990 - 2013, and are calculated as the value twice as large as that predicted from the historical data following Bowman and Rawlings (1995).

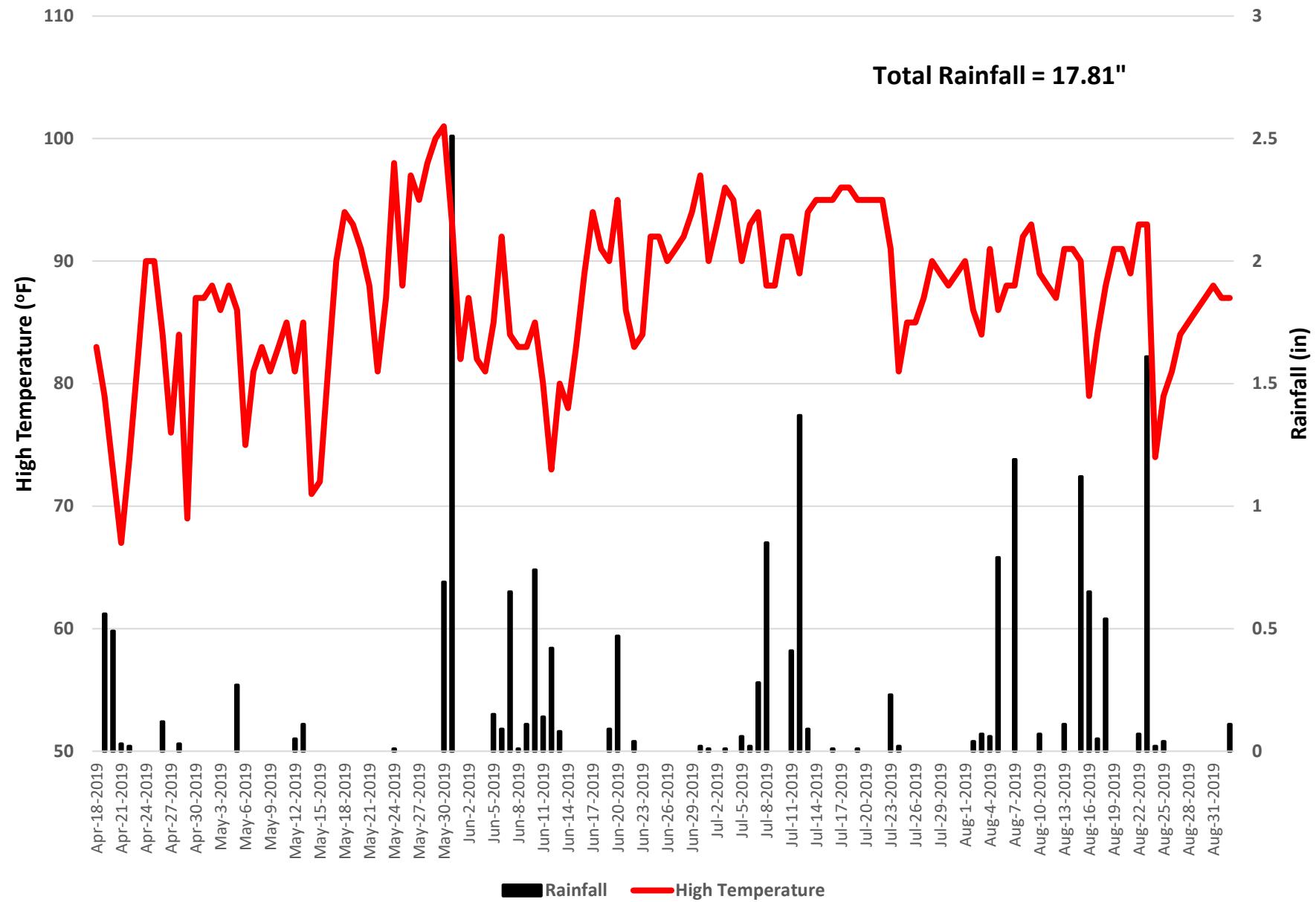
In assessing hybrid performance, the largest yield difference between two hybrids which can reasonably be attributed to chance variation, is listed at the bottom of each table as the least significant difference (**LSD**). Where multiple trials were combined for regional and statewide data, LSD accounts for variation across all environments. However, for individual trials, this is reported as the average LSD (**avg LSD**), and represents the difference of hybrids within a trial. Hybrids whose yields differ by less than the average LSD are not statistically different. Those hybrids that are not different from the highest observed yield are denoted in the tables with a bold (online) or a bold and green highlight (PDF versions and this report). The LSD for comparisons among hybrid means is applied at the 10% level, which indicates 90% confidence that yield differences are not due to chance variation. The degrees of freedom associated with the LSD (**df LSD**) are also reported in the tables.

Hybrid performance may appear inconsistent among environments within an area or among years at a particular location. Year-to-year variation in weather and pest pressure is sufficiently large enough to make predictions of hybrid performance based on single-year data less reliable than predictions using multiple-year data. Research has shown that multiple-year means across environments provide the best prediction of hybrid performance. Thus it is important to examine results from more than one location and more than one year to obtain a more accurate picture of relative hybrid performance.

New hybrids are being introduced each year and these hybrids are potentially higher yielding or pest resistant than the current hybrids. It is suggested that growers plant new hybrids on a small number of acres to determine if it is adapted to their farm. Other agronomic characteristics may be as equally important as yield. Yield information presented in this report should be used in junction with other available information and personal experience when selecting hybrids.

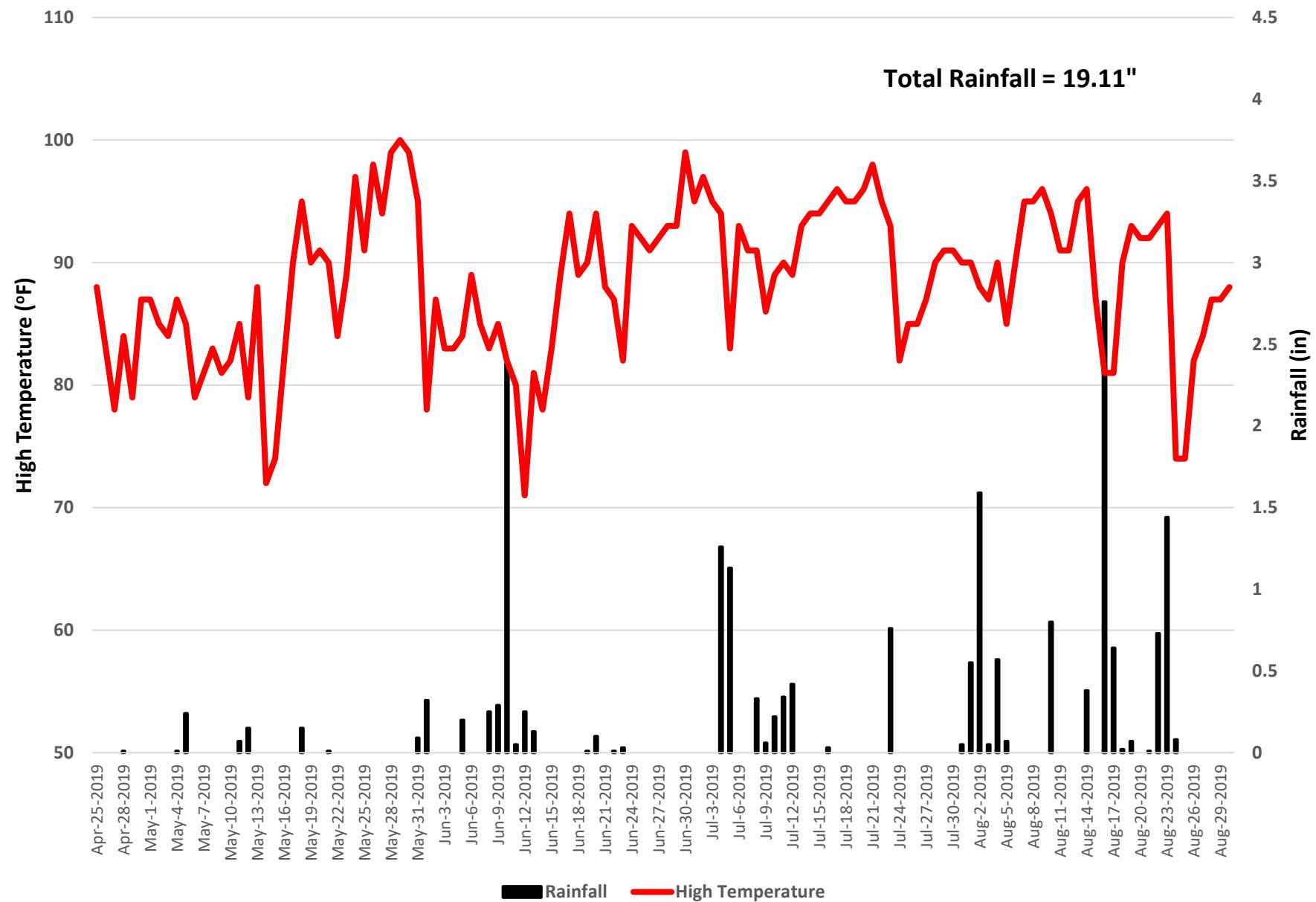
	Location	Beaufort	Duplin	Greene	Pamlico	Pasquotank	Robeson	Rowan	Union	Yadkin
Soil Information	Soil Type	Ponzer Muck	Goldsboro Loamy Sand	Lumbee Sandy Loam	Wasda Muck	Gertie Silt Loam	Wagram Loamy Sand	Lloyd Clay Loam	Badin Channery Silt Loam	Colvard and Suches
	HM %	10	1.74	3.19	4.95	1.74	0.46	0.18	0.86	0.71
	W-V	0.82	1.16	1.20	0.99	1.06	1.44	0.85	0.85	0.97
	CEC	17.4	12.0	8.5	10.2	9.8	2.8	7.9	17.7	9.8
	BS %	71	83	71	70	83	65	87	91	87
	Ac	5	2.0	2.5	3.1	1.6	1.0	1.0	1.6	1.3
	pH	5.1	5.7	5.5	5.2	5.9	5.0	6.4	6.0	6.2
	P-I	139	817	445	218	239	125	38	277	217
	K-I	90	125	178	106	122	35	52	148	199
	Ca %	53	68	42	51	60	48	54	77	57
	Mg %	15	10	18	13	17	11	29	10	19
	Mn-I	68	127	47	88	60	231	1439	873	600
	Zn-I	580	829	169	148	134	179	167	494	416
	Cu-I	67	671	74	71	119	64	260	692	347
Fertility	Pre-Plant	21-0-24 (100lb/acre) + 11-52-0 (100lb/acre) + 0-0-60 (250lb/acre)	3 tons Poultry Litter	-	-	30-120-20 (35lb/acre)	-	18-46-0 (150lb/acre) + 0-0-60 (100lb/acre)	2.5 tons Poultry Litter	2 tons Poultry Litter
	At Plant	15gal 30%	15gal 30%	15gal 30%	15gal 30%	15gal 30%	15gal 30%	20gal 30%	15gal 30%	15gal 30%
	Side-dress	30gal 30%	30gal 30%	30gal 30%	30gal 30%	30gal 30%	30gal 30%	20gal 30%	30gal 30%	30gal 30%
Climate	Total Rainfall (in.)	17.81	19.11	20.04	27.45	22.6	15.59	16.44	20.4	22.23
	Days Above 95°F	19	23	20	20	10	24	0	17	1
	Days Above 90°F	57	63	61	57	52	64	31	65	35
	Average High Temp (°F)	87.4	88.4	87.2	87.2	86.7	87.9	84.4	87.8	84.6
	Planting Date	4/18/2019	4/25/2019	4/12/2019	4/12/2019	4/17/2019	4/11/2019	4/24/2019	4/24/2019	5/7/2019
	Harvest Date	9/2/2019	8/30/2019	8/27/2019	9/3/2019	9/4/2019	8/21/2019	9/9/2019	9/9/2019	9/24/2019

Beaufort Corn 2019 - Weather



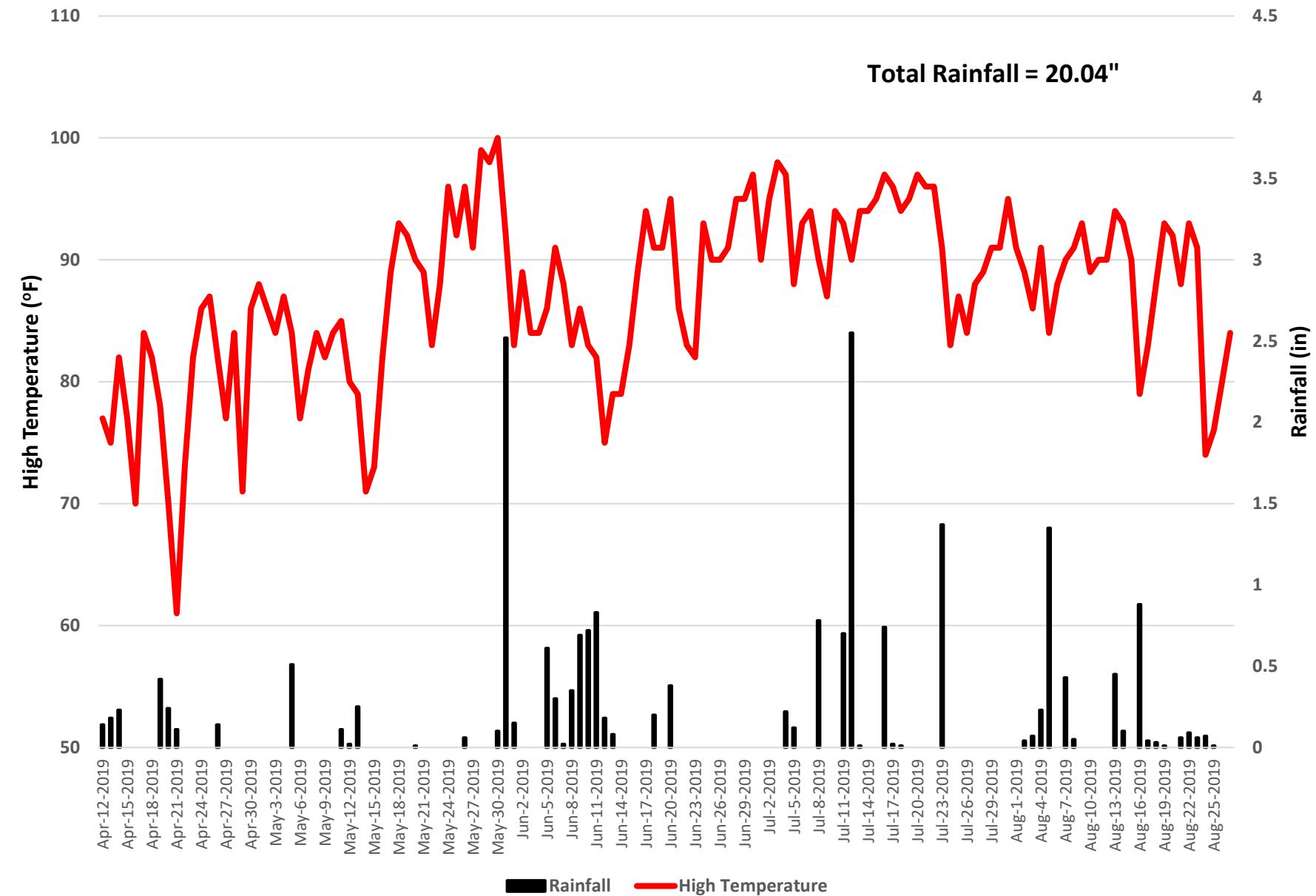
Duplin Corn 2019 - Weather

Total Rainfall = 19.11"

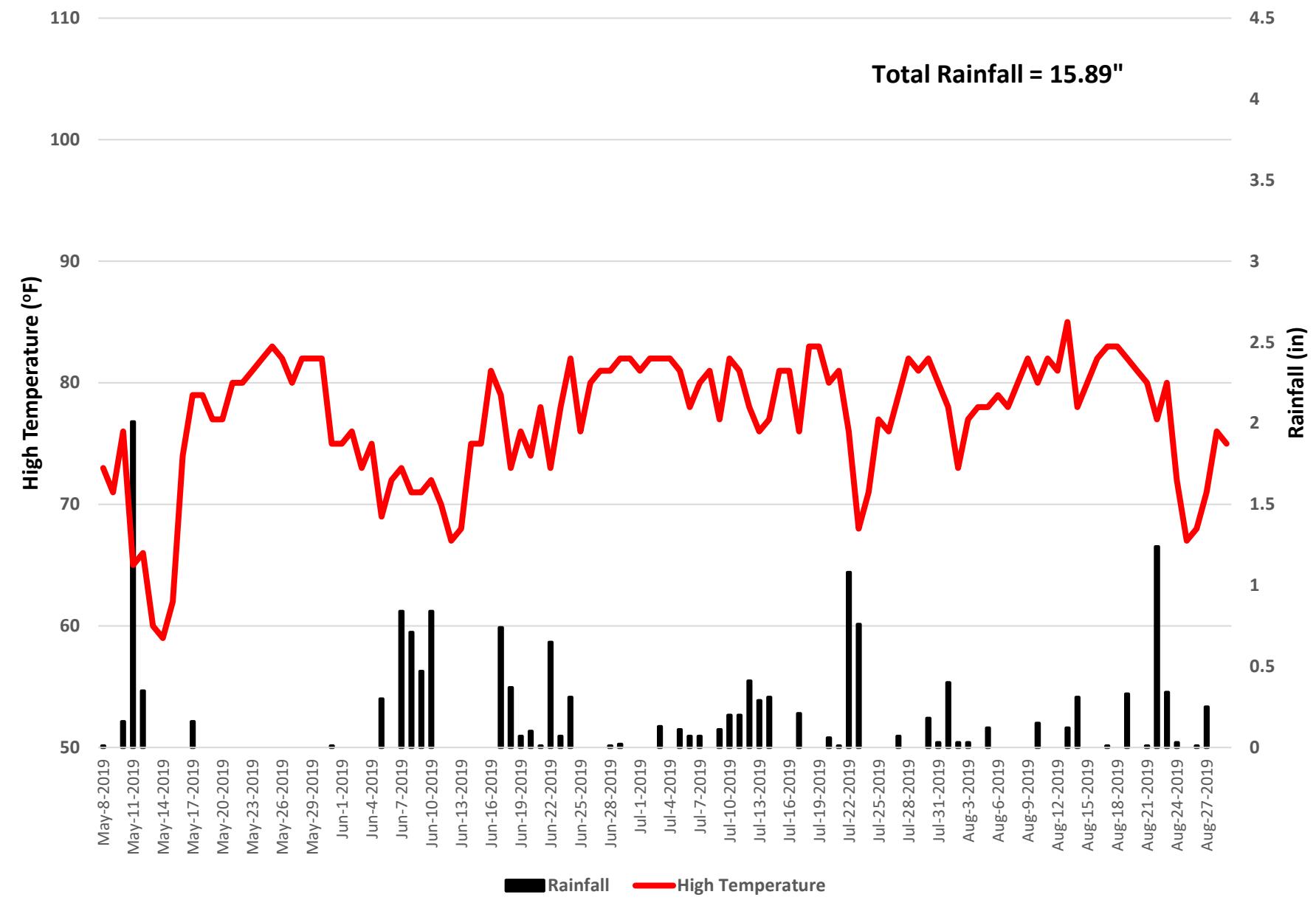


Greene Corn 2019 - Weather

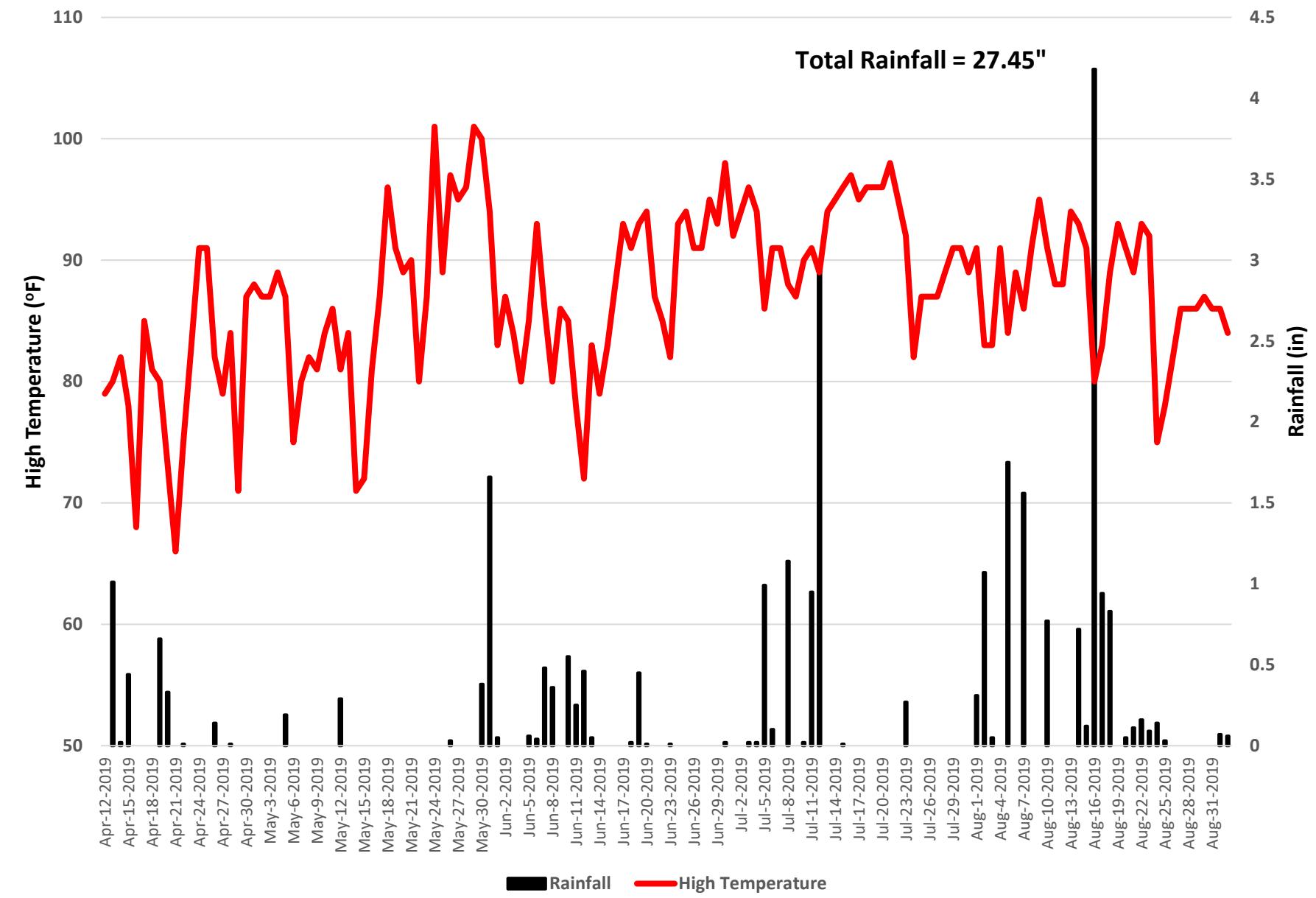
Total Rainfall = 20.04"



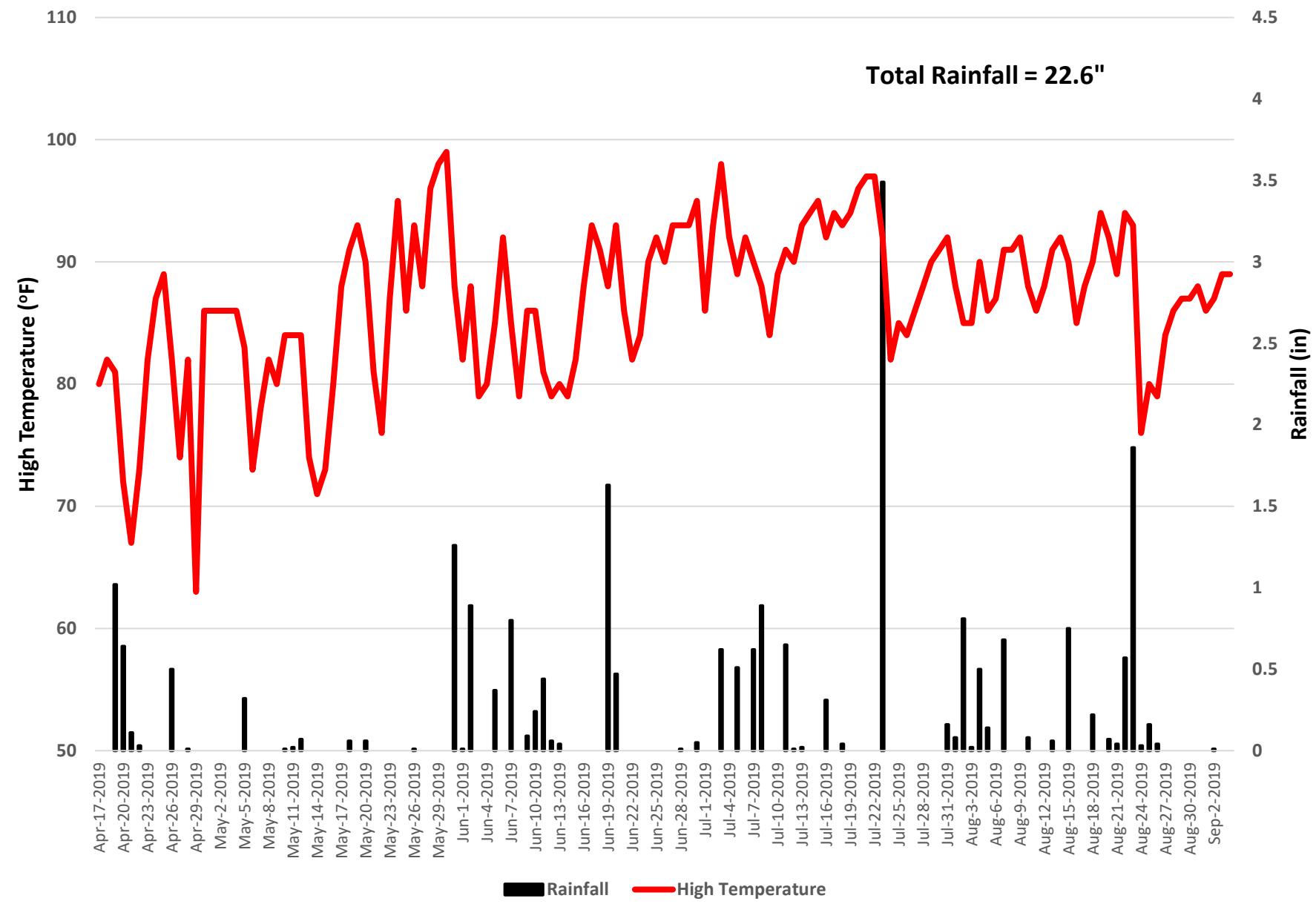
Haywood Corn 2019 - Weather



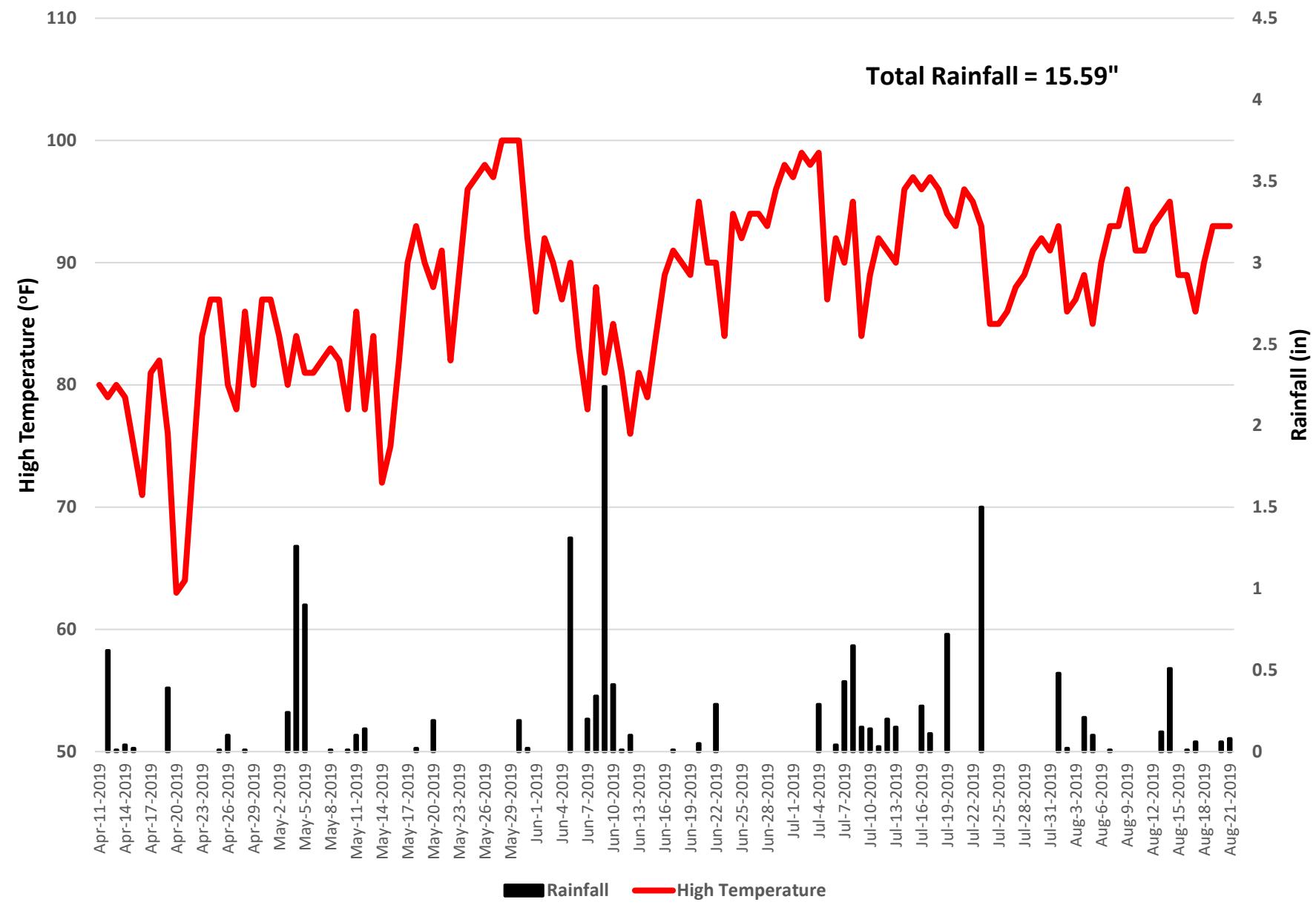
Pamlico Corn 2019 - Weather



Pasquotank Corn 2019 - Weather

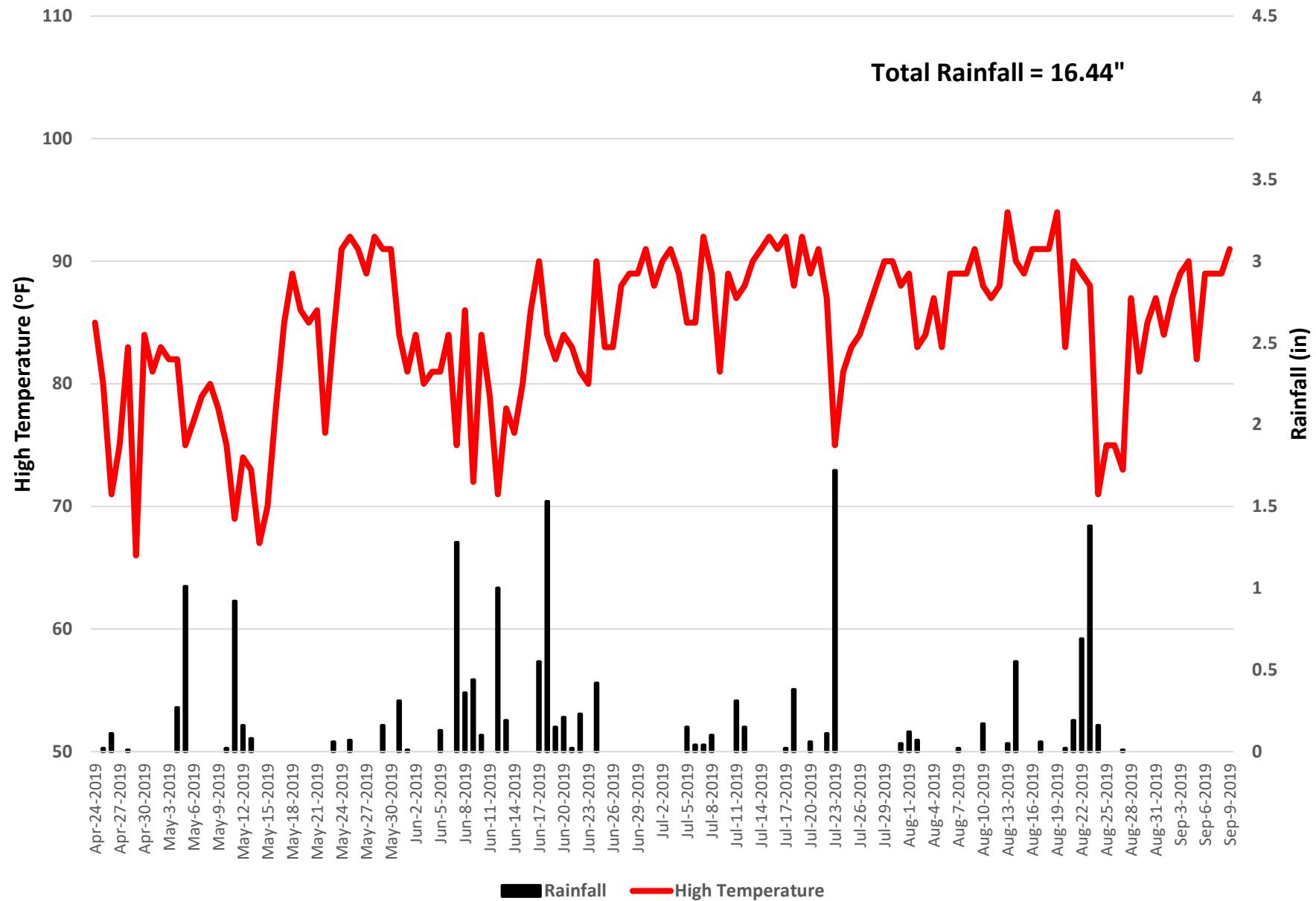


Robeson Corn 2019 - Weather



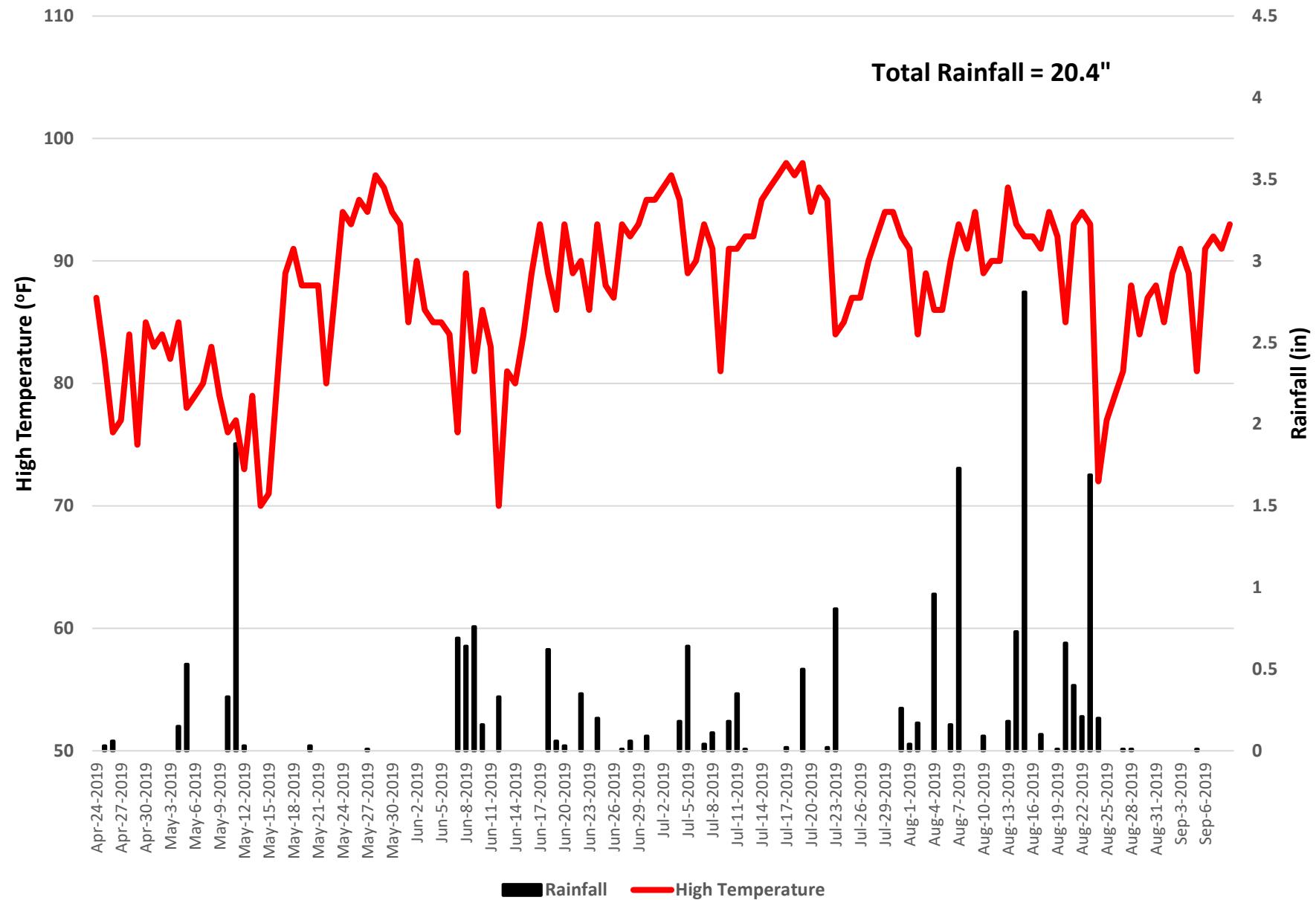
Rowan Corn 2019 - Weather

Total Rainfall = 16.44"



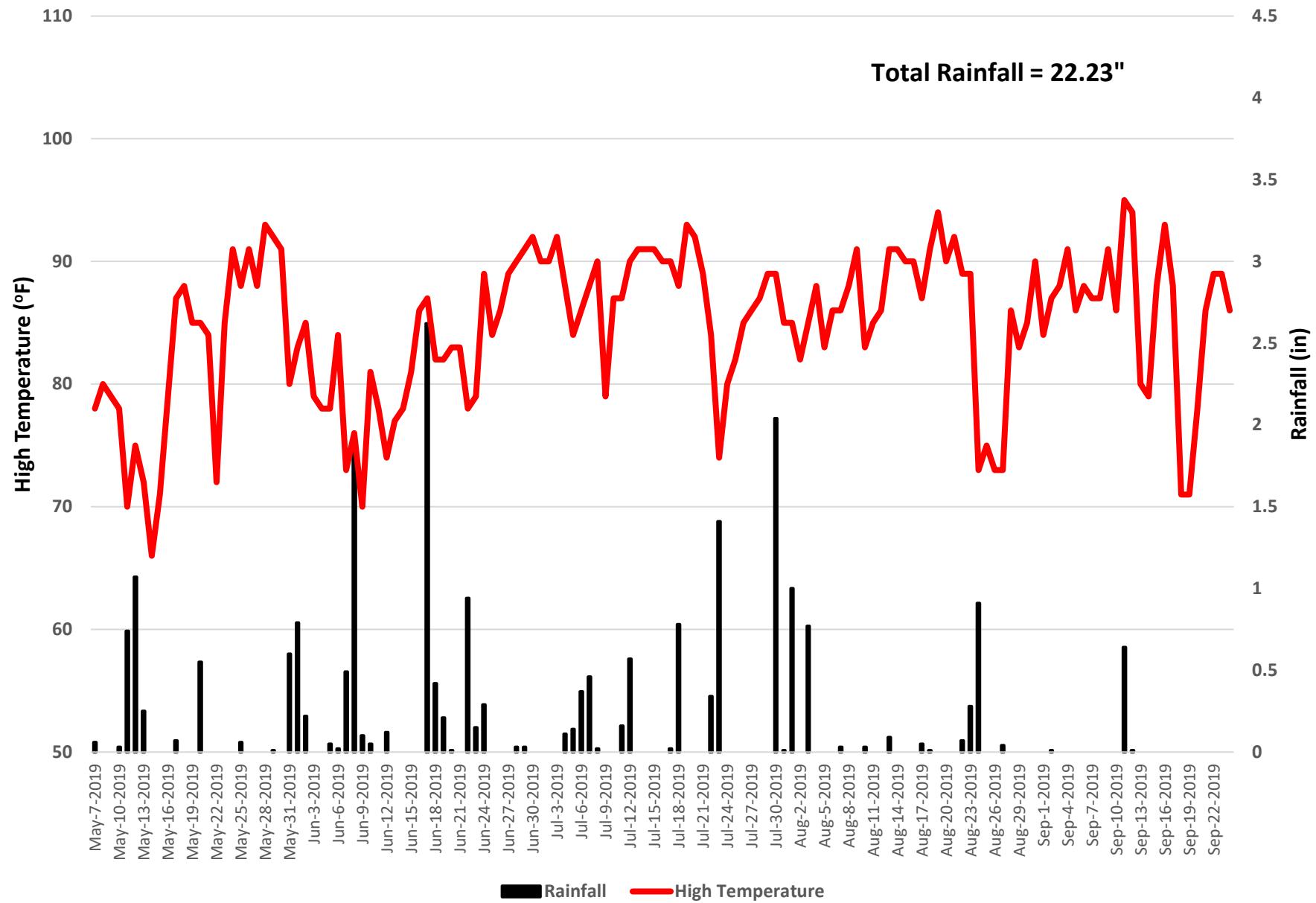
Union Corn 2019 - Weather

Total Rainfall = 20.4"



Surry Corn 2019 - Weather

Total Rainfall = 22.23"



Early Hybrids - 2 year

Company/Brand	Hybrid	Trait	Yield (bu/A)
Augusta	<u>A4959</u>	3110GT	143.6
Local Seed	<u>LC0877</u>	VT2PRIB	142.6
Seed Consultants	<u>SCS1087YHR</u>	Intrasect	141.7
Dyna-Gro	<u>D50VC30</u>	VT2P	140.2
		Mean	142.0
		Avg LSD (p=0.10)	n/s
		DF	33
Bolded varieties are not statistically different from the highest yielding variety			

Early Hybrids - Statewide (2019)

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)
Augusta	<u>A4959</u>	3110GT	154.2	57.3
Seed Consultants	<u>SCS1087YHR</u>	Intrasect	151.2	57.0
Progeny	EXP1808	VT2P	144.6	54.4
Augusta	<u>A1059</u>	3110GT	142.4	53.9
Local Seed	<u>LC0877</u>	VT2PRIB	142.1	53.5
Seed Consultants	EX-SC110YHR	Intrasect	141.8	57.4
Dyna-Gro	<u>D50VC30</u>	VT2P	139.5	57.2
Seedway	<u>SW6540</u>	VT2P	136.7	55.4
Augusta	A4559	3110GT	135.2	52.2
Local Seed	<u>LC0978</u>	VT2PRIB	134.5	55.5
Local Seed	ZS1098	3330EZ	133.9	54.4
		Mean	141.5	55.3
		Avg LSD (p=0.10)	14.1	
		DF	20	
Bolded varieties are not statistically different from the highest yielding variety				

EARLY HYBRID SUMMARY		STATEWIDE		Beaufort		Greene		Pamlico		Pasquotank		Rowan		Surry		Union	
Company/Brand	Hybrid	Yield (bu/A)	Rank														
Augusta	A4959	154.2	1	193.6	2	134.7	1	181.7	2	241.4	5	169.4	1	256.0	3	133.0	5
Seed Consultants	SCS1087YHR	151.2	2	193.9	1	121.5	5	165.2	8	241.2	6	167.3	2	240.9	8	126.6	8
Progeny	EXP1808	144.6	3	181.5	4	96.3	11	178.7	4	242.3	4	165.6	3	255.5	4	138.9	2
Augusta	A1059	142.4	4	177.0	7	117.4	6	182.6	1	245.4	3	149.1	10	244.9	7	133.6	4
Local Seed	LC087Z	142.1	5	177.2	6	109.1	9	163.5	9	232.6	9	162.8	6	251.2	5	135.2	3
Seed Consultants	EX-SC110YHR	141.8	6	180.0	5	122.4	4	159.1	10	240.3	8	164.2	5	292.7	1	123.1	10
Dyna-Gro	D50VC30	139.5	7	183.9	3	113.4	8	180.5	3	228.4	10	164.5	4	239.9	9	109.8	11
Seedway	SW6540	136.7	8	172.5	8	115.4	7	158.2	11	249.1	2	155.3	9	257.6	2	123.9	9
Augusta	A4559	135.2	9	159.7	11	129.8	2	172.7	6	259.1	1	158.2	8	238.6	10	141.6	1
Local Seed	LC0978	134.5	10	167.2	9	108.2	10	175.2	5	220.0	11	158.6	7	247.4	6	130.3	7
Local Seed	ZS1098	133.9	11	162.7	10	123.1	3	169.5	7	240.8	7	141.5	11	233.7	11	132.6	6
Mean		141.5		177.2		117.4		171.5		240.0		159.7		250.8		129.9	
LSD (p=0.10)		10.5		12.5		15.1		n/s		n/s		n/s		n/s		16.0	
DF		40		31		31		30		27		31		30		25	

Bolded varieties are not significantly different than highest yielding hybrids

EARLY HYBRID - Piedmont		Rowan		Surry		Union	
Company/Brand	Hybrid	Yield (bu/A)	Rank	Yield (bu/A)	Rank	Yield (bu/A)	Rank
Augusta	A4959	169.4	1	256.0	3	133.0	5
Seed Consultants	SCS1087YHR	167.3	2	240.9	8	126.6	8
Progeny	EXP1808	165.6	3	255.5	4	138.9	2
Augusta	A1059	149.1	10	244.9	7	133.6	4
Seed Consultants	EX-SC110YHR	164.2	5	292.7	1	123.1	10
Dyna-Gro	D50VC30	164.5	4	239.9	9	109.8	11
Seedway	SW6540	155.3	9	257.6	2	123.9	9
Local Seed	LC0877	162.8	6	251.2	5	135.2	3
Augusta	A4559	158.2	8	238.6	10	141.6	1
Local Seed	ZS1098	141.5	11	233.7	11	132.6	6
Local Seed	LC0978	158.6	7	247.4	6	130.3	7
Mean		159.7		250.8		129.9	
LSD (p=0.10)		n/s		n/s		16.0	
DF		31		30		25	

Beaufort Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Seed Consultants	SCS1087YHR	Intrasect	193.9	57.0	13.4	37.3
Augusta	A4959	3110GT	193.6	58.1	16.4	39.0
Dyna-Gro	D50VC30	VT2P	183.9	57.9	14.7	37.3
Progeny	EXP1808	VT2P	181.5	55.3	12.7	31.7
Seed Consultants	EX-SC110YHR	Intrasect	180.0	58.3	14.2	38.7
Local Seed	LC0877	VT2PRIB	177.2	54.9	12.2	34.7
Augusta	A1059	3110GT	177.0	54.3	12.8	35.0
Seedway	SW6540	VT2P	172.5	55.6	12.8	34.3
Local Seed	LC0978	VT2PRIB	167.2	57.0	13.9	33.3
Local Seed	ZS1098	3330EZ	162.7	53.9	11.7	39.0
Augusta	A4559	3110GT	159.7	51.9	11.9	38.3
		Mean	177.2	55.8	13.3	36.2
		CV	8.1			
		Avg LSD (p=0.10)	12.5			
		DF	31			
		Avg SEM	7.2			

Greene Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Augusta	<u>A4959</u>	3110GT	134.7	55.1	15.5	30.0
Augusta	A4559	3110GT	129.8	50.1	14.4	26.3
Local Seed	ZS1098	3330EZ	123.1	53.8	15.0	28.0
Seed Consultants	EX-SC110YHR	Intrasect	122.4	56.1	15.3	30.0
Seed Consultants	<u>SCS1087YHR</u>	Intrasect	121.5	55.7	15.1	27.3
Augusta	<u>A1059</u>	3110GT	117.4	52.8	14.4	26.0
Seedway	<u>SW6540</u>	VT2P	115.4	54.0	14.5	25.7
Dyna-Gro	<u>D50VC30</u>	VT2P	113.4	55.7	14.8	27.0
Local Seed	<u>LC0877</u>	VT2PRIB	109.1	51.9	13.9	27.0
Local Seed	<u>LC0978</u>	VT2PRIB	108.2	53.5	14.5	23.7
Progeny	EXP1808	VT2P	96.3	50.6	13.6	28.3
		Mean	117.4	53.6	14.6	27.2
		CV	30.4			
		Avg LSD (p=0.10)	15.1			
		DF	31			
		Avg SEM	17.9			

Pamlico Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)
Augusta	<u>A1059</u>	3110GT	182.6	54.0	15.9
Augusta	<u>A4959</u>	3110GT	181.7	54.0	15.7
Dyna-Gro	<u>D50VC30</u>	VT2P	180.5	54.3	14.2
Progeny	EXP1808	VT2P	178.7	54.8	14.5
Local Seed	<u>LC0978</u>	VT2PRIB	175.2	55.7	16.2
Augusta	A4559	3110GT	172.7	53.3	15.3
Local Seed	ZS1098	3330EZ	169.5	55.7	16.4
Seed Consultants	<u>SCS1087YHR</u>	Intrasect	165.2	55.3	18.1
Local Seed	<u>LC0877</u>	VT2PRIB	163.5	54.6	15.5
Seed Consultants	EX-SC110YHR	Intrasect	159.1	54.0	15.3
Seedway	<u>SW6540</u>	VT2P	158.2	56.0	16.0
		Mean	171.5	54.7	15.7
		CV	14.4		
		Avg LSD (p=0.10)	n/s		
		DF	30		
		Avg SEM	12.4		

Bolded varieties are not statistically different from the highest yielding variety

Pasquotank Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Augusta	A4559	3110GT	259.1	56.1	19.6	43.3
Seedway	SW6540	VT2P	249.1	56.4	17.2	43.7
Augusta	A1059	3110GT	245.4	55.9	17.8	42.7
Progeny	EXP1808	VT2P	242.3	55.1	16.2	40.3
Augusta	A4959	3110GT	241.4	56.4	19.5	44.7
Seed Consultants	SCS1087YHR	Intrasect	241.2	56.4	18.4	43.7
Local Seed	ZS1098	3330EZ	240.8	55.5	17.2	42.0
Seed Consultants	EX-SC110YHR	Intrasect	240.3	56.3	16.4	43.3
Local Seed	LC0877	VT2PRIB	232.6	55.5	16.8	42.7
Dyna-Gro	D50VC30	VT2P	228.4	54.6	16.4	44.3
Local Seed	LC0978	VT2PRIB	220.0	55.5	17.0	43.7
		Mean	240.0	55.8	17.5	43.1
		CV	6.7			
		Avg LSD (p=0.10)	n/s			
		DF	27			
		Avg SEM	8.0			

Rowan Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Augusta	A4959	3110GT	169.4	59.0	12.5	42.3
Seed Consultants	SCS1087YHR	Intrasect	167.3	58.3	12.1	40.7
Progeny	EXP1808	VT2P	165.6	57.5	10.7	37.7
Dyna-Gro	D50VC30	VT2P	164.5	58.0	10.7	43.3
Seed Consultants	EX-SC110YHR	Intrasect	164.2	57.7	11.7	39.7
Local Seed	LC0877	VT2PRIB	162.8	56.9	10.6	40.0
Local Seed	LC0978	VT2PRIB	158.6	57.8	12.2	43.3
Augusta	A4559	3110GT	158.2	55.8	11.1	41.3
Seedway	SW6540	VT2P	155.3	57.1	12.3	40.0
Augusta	A1059	3110GT	149.1	57.1	11.3	38.0
Local Seed	ZS1098	3330EZ	141.5	57.3	11.8	43.0
		Mean	159.7	57.5	11.5	40.8
		CV	11.9			
		Avg LSD (p=0.10)	n/s			
		DF	31			
		Avg SEM	9.5			

Surry Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Seed Consultants	EX-SC110YHR	Intrasect	292.7	60.3	17.1	48.0
Seedway	SW6540	VT2P	257.6	59.5	15.1	45.0
Augusta	A4959	3110GT	256.0	59.6	16.5	50.0
Progeny	EXP1808	VT2P	255.5	58.1	14.3	47.3
Local Seed	LC0877	VT2PRIB	251.2	58.8	15.5	46.0
Local Seed	LC0978	VT2PRIB	247.4	59.4	15.8	45.0
Augusta	A1059	3110GT	244.9	57.5	15.1	47.7
Seed Consultants	SCS1087YHR	Intrasect	240.9	59.3	14.9	51.7
Dyna-Gro	D50VC30	VT2P	239.9	59.3	14.8	49.7
Augusta	A4559	3110GT	238.6	56.8	16.5	47.3
Local Seed	ZS1098	3330EZ	233.7	57.7	16.2	52.3
		Mean	250.8	58.7	15.6	48.2
		CV	11.4			
		Avg LSD (p=0.10)	n/s			
		DF	30			
		Avg SEM	14.3			

Union Co Early Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Augusta	A4559	3110GT	141.6	55.1	13.4	34.0
Progeny	EXP1808	VT2P	138.9	57.6	12.6	33.3
Local Seed	<u>LC0877</u>	VT2PRIB	135.2	57.2	13.0	31.0
Augusta	<u>A1059</u>	3110GT	133.6	54.8	12.1	37.7
Augusta	<u>A4959</u>	3110GT	133.0	58.9	13.4	37.3
Local Seed	ZS1098	3330EZ	132.6	56.0	11.1	39.0
Local Seed	<u>LC0978</u>	VT2PRIB	130.3	58.1	12.6	31.3
Seed Consultants	<u>SCS1087YHR</u>	Intrasect	126.6	58.6	12.8	38.3
Seedway	<u>SW6540</u>	VT2P	123.9	57.9	12.5	33.0
Seed Consultants	EX-SC110YHR	Intrasect	123.1	60.2	13.5	40.3
Dyna-Gro	<u>D50VC30</u>	VT2P	109.8	58.8	12.8	37.7
		Mean	129.9	57.6	12.7	35.7
		CV	16.3			
		Avg LSD (p=0.10)	16.0			
		DF	25			
		Avg SEM	10.6			

Medium Hybrids - 2 and 3 year

Company/Brand	Hybrid	Trait	2 year	3 year
			Yield (bu/A)	Yield (bu/A)
AgriGold	A6544VT2RIB	VT2PRIB	165.1	-
BH Genetics	BH8721	VT2P	164.6	169.7
Dyna-Gro	D54VC14	VT2P	163.7	-
REV	25BHR26	YGCB/HX1/RR2/LL	162.7	172.8
Augusta	A1165	VT2P	162.1	169.9
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	162.1	169.0
BH Genetics	BH8737	VT2P	162.0	-
Augusta	A4463	VT2P	161.8	-
NK Brand	NK1573-3330	Agrisure 3330	161.6	-
REV	24BHR99	YGCB/HX1/RR2/LL	160.6	-
DeKalb	DKC63-57RIB	GENVT2PRIB	160.0	-
MorCorn	MC4319	VT2P	159.1	169.1
Local Seed	LC1586TC	TRECEPTA	158.1	-
Dyna-Gro	D52VC63	VT2P	157.0	-
Seed Consultants	SCS1158YHR	Intrasect	156.3	166.3
Phoenix	6507A3	Agrisure 3000GT	156.0	-
Augusta	A4465	3110GT	154.6	-
Armor	A1118	VT2P	152.1	-
Dyna-Gro	D55VC45	VT2P	150.9	163.3
Progeny	PGY9114	VT2P	149.3	-
			Mean	159.0
			Avg LSD (p=0.10)	8.5
			DF	266
				132
Bolded varieties are not statistically different from the highest yielding variety				

Medium Hybrids - Statewide (2019)

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)
Dyna-Gro	<u>D55VC80</u>	VT2P	192.6	56.4
AgriGold	<u>A644-32TRCRIB</u>	TRECEPTA	189.5	57.1
REV	<u>24BHR99</u>	YGCB/HX1/RR2/LL	186.6	57.2
Armor	X9115	VT2P/ASR	185.4	56.5
Pioneer	<u>P1197YHR</u>	YGCB/HX1/RR2/LL	183.9	57.4
Local Seed	<u>LC1488</u>	VT2PRIB	182.3	57.1
DeKalb	<u>DKC65-99</u>	TRECEPTA	182.1	56.5
Progeny	EXP1815	VT2P/DroughtGuard	181.5	56.3
Dyna-Gro	<u>D54VC14</u>	VT2P	181.3	57.3
Seedway	<u>SW7560</u>	VT2PRIB	180.8	56.3
Augusta	A1165	VT2P	180.6	56.3
REV	<u>25BHR26</u>	YGCB/HX1/RR2/LL	180.5	57.9
REV	25BHR80	YGCB/HX1/RR2/LL	179.9	56.8
Croplan	5340	VT2P	178.7	56.4
Local Seed	<u>LC1577</u>	VT2PRIB	178.2	57.7
BH Genetics	<u>BH8721</u>	VT2P	177.9	57.4
Progeny	EXP1712	SmartStax	177.7	56.4
AgriGold	<u>A6544VT2RIB</u>	VT2PRIB	176.9	56.6
Progeny	EXP1912	VT2P	176.4	56.9
Seed Consultants	<u>SCS1158YHR</u>	Intrasect	176.0	57.0
NK Brand	<u>NK1573-3330</u>	Agrisure 3330	175.1	56.0
MorCorn	<u>MC4319</u>	VT2P	173.7	56.2
Axis	<u>65D28</u>	VT2P	172.8	56.7
Phoenix	<u>6507A3</u>	Agrisure 3000GT	171.9	54.8
Augusta	A4463	VT2P	171.8	56.9
REV	24BHR70	YGCB/HX1/RR2/LL	171.5	57.0
NK Brand	<u>NK1205-3120</u>	Agrisure 3120	171.3	56.3
DeKalb	<u>DKC63-57RIB</u>	GENVT2PRIB	170.9	56.8
Dyna-Gro	<u>D55VC45</u>	VT2P	170.9	56.3
BH Genetics	<u>BH8737</u>	VT2P	170.4	57.1
Local Seed	<u>LC1586TC</u>	TRECEPTA	170.1	57.3
Dyna-Gro	<u>D52VC63</u>	VT2P	169.8	56.2
Augusta	<u>A4465</u>	3110GT	168.9	55.9
MorCorn	<u>MC4255</u>	VT2P	168.8	56.3
Augusta	<u>A4565</u>	Duracade	166.7	54.8
DeKalb	<u>DKC61-41RIB</u>	GENVT2PRIB	166.2	55.5
BH Genetics	XP 8509TRE	TRECEPTA	166.2	58.2
Blue River Hybrids	<u>70N16</u>	Conventional	165.9	54.1
Armor	A1299	VT2P	164.4	56.7
Seed Consultants	<u>SCS1139AM</u>	AcreMax	163.8	58.2
Seedway	<u>SW6790</u>	VT2PRIB	163.7	56.6
Local Seed	<u>LC1289</u>	VT2PRIB	163.6	56.0
Progeny	<u>PGY9114</u>	VT2P	163.4	57.5
Local Seed	LC1398	VT2P	163.3	56.6
Armor	<u>A1118</u>	VT2P	162.0	57.2
NK Brand	<u>NK1354-3220</u>	Agrisure 3220	161.9	55.2
Blue River Hybrids	<u>66G25</u>	Conventional	159.3	57.2
NK Brand	<u>NK1694-3111</u>	Agrisure 3111	124.3	55.4
		Mean	172.5	56.6
		Avg LSD (p=0.10)	13.1	
		DF	235	
Bolded varieties are not statistically different from the highest yielding variety				

Medium Hybrid Summary		Statewide		Beaufort		Duplin		Greene		Pasquotank		Pamlico		Robeson		Rowan		Surry			
Company/Brand	Hybrid	Yield (bu/A)	Rank																		
Dyna-Gro	D55VC80	192.6	1	225.8	2	136.8	8	168.4	12	235.9	38	198.1	24	183.8	1	185.7	6	243.7	27	174.8	14
AgriGold	A644-32TRCRIB	189.5	2	213.4	12	170.0	1	172.1	7	257.5	7	227.0	3	142.6	20	188.7	4	252.8	17	186.6	3
REV	24BHR99	186.6	3	216.9	7	147.9	3	173.7	5	230.2	44	211.8	10	150.4	14	180.6	15	265.4	7	162.6	27
Armor	X9115	185.4	4	218.5	6	121.7	33	160.5	17	247.4	20	174.0	44	169.8	4	179.6	18	252.6	18	181.7	6
Pioneer	P1197YHR	183.9	5	214.7	9	122.5	32	189.6	2	242.5	30	178.9	40	164.5	9	170.0	34	259.9	11	152.8	40
Local Seed	LC1488	182.3	6	206.4	22	134.1	12	164.7	16	244.4	26	203.5	17	168.1	6	174.1	27	265.3	8	166.0	24
DeKalb	DKC65-99	182.1	7	211.2	13	142.9	6	158.4	23	235.8	39	197.3	26	150.2	15	169.5	35	232.9	34	185.1	4
Progeny	EXP1815	181.5	8	227.1	1	134.8	10	159.0	21	248.0	19	174.2	43	121.0	40	167.9	41	258.9	13	160.8	29
Dyna-Gro	D54VC14	181.3	9	215.7	8	118.5	39	158.0	25	251.3	15	236.6	1	168.2	5	177.6	22	231.7	35	176.7	12
Seedway	SW7560	180.8	10	214.0	11	133.8	13	157.9	26	256.6	9	204.1	15	136.9	27	196.7	1	268.4	5	175.6	13
Augusta	A1165	180.6	11	220.1	5	120.1	37	179.8	3	228.9	46	184.7	35	124.9	36	171.2	31	252.6	19	178.7	10
REV	25BHR26	180.5	12	224.3	3	127.5	24	167.7	13	234.3	41	185.1	34	126.2	35	183.6	13	261.5	10	155.7	36
REV	25BHR80	179.9	13	214.4	10	125.0	25	169.0	11	223.7	48	199.7	22	129.7	33	171.4	30	266.6	6	180.1	7
Cropplan	5340	178.7	14	205.7	23	123.0	31	166.0	15	236.1	37	203.0	18	160.7	10	183.8	12	283.5	1	151.7	42
Local Seed	LC1577	178.2	15	206.4	21	145.6	4	158.5	22	267.5	1	205.8	14	140.0	23	184.7	10	236.0	32	174.6	15
BH Genetics	BH8721	177.9	16	223.6	4	103.2	44	155.2	33	258.6	5	197.5	25	126.9	34	173.3	28	252.4	20	190.2	2
Progeny	EXP1712	177.7	17	206.6	20	124.2	27	154.2	34	243.3	28	195.9	27	149.1	16	185.2	8	253.4	16	183.9	5
AgriGold	A6544VT2RIB	176.9	18	208.0	17	132.2	16	141.2	44	248.2	18	210.7	11	151.4	13	176.3	25	262.4	9	163.9	26
Progeny	EXP1912	176.4	19	188.0	43	135.7	9	153.2	35	246.6	22	202.3	19	170.3	2	169.3	38	272.1	2	179.7	8
Seed Consultants	SCS1158YHR	176.0	20	207.7	18	128.2	21	178.0	4	241.0	32	192.1	30	130.8	32	169.3	37	241.4	30	167.2	21
NK Brand	NK1573-3330	175.1	21	203.1	25	121.1	34	170.1	9	248.3	17	190.9	32	166.3	8	162.0	46	203.3	48	167.8	20
MorCorn	MC4319	173.7	22	202.2	27	141.4	7	147.8	40	230.5	43	226.4	4	133.8	30	169.5	36	269.5	4	153.7	39
Axis	65D28	172.8	23	202.8	26	127.9	22	157.1	27	244.7	25	183.9	36	135.5	28	175.2	26	271.0	3	152.7	41
Phoenix	6507A3	171.9	24	186.5	44	129.4	19	159.0	20	239.7	33	200.0	21	160.5	11	163.8	45	221.3	45	192.1	1
Augusta	A4463	171.8	25	199.8	30	131.6	17	148.3	39	243.5	27	191.3	31	134.6	29	179.3	20	247.2	24	172.3	17
REV	24BHR70	171.5	26	209.6	16	120.7	36	146.6	41	242.6	29	167.1	46	138.9	25	168.8	39	233.4	33	156.6	34
NK Brand	NK1205-3120	171.3	27	190.0	40	92.6	46	190.2	1	252.8	14	195.6	28	170.0	3	149.3	48	256.5	15	166.2	23
DeKalb	DKC63-57RIB	170.9	28	199.6	31	150.8	2	156.5	29	249.7	16	219.2	7	119.9	41	190.4	3	230.1	36	157.4	32
Dyna-Gro	D55VC45	170.9	29	210.2	14	132.7	14	159.6	18	258.3	6	209.1	13	118.9	44	168.7	40	221.7	43	151.6	43
BH Genetics	BH8737	170.4	30	200.7	29	121.1	35	155.3	31	260.7	2	199.5	23	142.1	21	185.3	7	208.7	46	179.4	9
Local Seed	LC1586TC	170.1	31	207.5	19	134.6	11	156.7	28	258.7	4	147.3	48	113.8	45	185.1	9	229.9	38	156.0	35
Dyna-Gro	D52VC63	169.8	32	201.0	28	96.7	45	169.9	10	232.0	42	218.0	8	144.8	19	180.5	16	244.6	26	170.8	19
Augusta	A4465	168.9	33	185.3	45	123.2	30	155.2	32	256.5	10	160.3	47	167.3	7	180.5	17	248.3	23	156.8	33
MorCorn	MC4255	168.8	34	192.9	36	132.7	15	172.2	6	253.9	12	186.6	33	119.8	42	167.1	42	242.9	28	166.6	22
Augusta	A4565	166.7	35	204.9	24	87.3	47	158.3	24	245.4	24	203.7	16	137.3	26	161.1	47	225.8	40	177.4	11
DeKalb	DKC61-41RIB	166.2	36	172.4	47	144.9	5	166.7	14	256.3	11	183.6	37	146.1	18	182.4	14	258.3	14	155.3	37
BH Genetics	XP 8509TRE	166.2	37	209.9	15	111.2	42	150.6	38	230.1	45	200.8	20	121.0	39	170.6	32	250.7	21	132.1	47
Blue River Hybrids	70N16	165.9	38	194.1	33	124.0	28	134.5	47	224.7	47	178.1	41	156.9	12	166.7	43	230.0	37	143.4	46
Armor	A1299	164.4	39	190.9	38	123.7	29	135.8	46	259.7	3	233.1	2	139.4	24	170.2	33	237.5	31	160.7	30
Seed Consultants	SCS1139AM	163.8	40	189.3	41	124.3	26	155.4	30	247.3	21	182.5	38	119.8	43	177.7	21	246.7	25	162.1	28
Seedway	SW6790	163.7	41	193.5	34	127.7	23	140.7	45	235.7	40	169.5	45	133.7	31	176.9	24	226.7	39	147.8	44
Local Seed	LC1289	163.6	42	191.8	37	105.6	43	153.1	36	256.9	8	181.8	39	122.8	37	179.4	19	259.6	12	171.3	18
Progeny	PGY9114	163.4	43	193.5	35	128.3	20	171.0	8	238.2	35	222.0	5	84.9	47	188.4	5	242.6	29	173.6	16
Local Seed	LC1398	163.3	44	188.4	42	117.5	40	151.1	37	236.5	36	193.4	29	141.6	22	166.1	44	221.6	44	160.2	31
Armor	A1118	162.0	45	190.8	39	129.8	18	144.7	42	239.3	34	221.8	6	102.3	46	184.5	11	250.1	22	165.4	25
NK Brand	NK1354-3220	161.9	46	182.5	46	119.2	38	159.1	19	241.1	31	177.0	42	148.9	17	172.1	29	208.0	47	155.1	38
Blue River Hybrids	66G25	159.3	47	194.7	32	113.3	41	141.6	43	253.1	13	214.6	9	121.2	38	191.7	2	222.6	42	145.8	45
NK Brand	NK1694-3111	124.3	48	150.8	48	86.2	48	110.0	48	246.2	23	210.2	12	69.3	48	177.2	23	222.9	41	128.7	48
Mean		172.5		202.2		125.6		158.4		245.0		196.9		139.1		176.0		244.7		165.1	
LSD (p=0.10)		13.1		14.0		20.2		22.8		n/s		22.0		114		134		33.7		22.5	
DF		235		126		94		139		142							140		113		

Bolded varieties are not significantly different than highest yielding hybrids

MEDIUM HYBRID - Coastal Plain		SUMMARY		Duplin		Greene		Robeson	
Company/Brand	Hybrid	Yield (bu/A)	Rank						
Dyna-Gro	D55VC80	163.7	1	136.8	8	168.4	12	183.8	1
AgriGold	A644-32TRCRIB	163.3	2	170.0	1	172.1	7	142.6	20
REV	24BHR99	157.7	3	147.9	3	173.7	5	150.4	14
Pioneer	P1197HR	156.6	4	122.5	32	189.6	2	164.5	9
Local Seed	LC1488	156.2	5	134.1	12	164.7	16	168.1	6
Progeny	EXP1912	154.7	6	135.7	9	153.2	35	170.3	2
DeKalb	DKC61-41RIB	153.2	7	144.9	5	166.7	14	146.1	18
NK Brand	NK1573-3330	151.8	8	121.1	34	170.1	9	166.3	8
DeKalb	DKC65-99	151.8	9	142.9	6	158.4	23	150.2	15
Armor	X9115	150.8	10	121.7	33	160.5	17	169.8	4
Phoenix	6507A3	150.2	11	129.4	19	159.0	20	160.5	11
Croplan	5340	149.5	12	123.0	31	166.0	15	160.7	10
Local Seed	LC1577	149.3	13	145.6	4	158.5	22	140.0	23
Augusta	A4465	149.2	14	123.2	30	155.2	32	167.3	7
Dyna-Gro	D54VC14	148.3	15	118.5	39	158.0	25	168.2	5
NK Brand	NK1205-3120	146.9	16	92.6	46	190.2	1	170.0	3
Seed Consultants	SCS1158YHR	144.1	17	128.2	21	178.0	4	130.8	32
DeKalb	DKC63-57RIB	143.8	18	150.8	2	156.5	29	119.9	41
AgriGold	A6544VT2RIB	143.6	19	132.2	16	141.2	44	151.4	13
Seedway	SW7560	143.4	20	133.8	13	157.9	26	136.9	27
Progeny	EXP1712	142.9	21	124.2	27	154.2	34	149.1	16
MorCorn	MC4319	142.8	22	141.4	7	147.8	40	133.8	30
NK Brand	NK1354-3220	142.1	23	119.2	38	159.1	19	148.9	17
Blue River Hybrids	70N16	140.6	24	124.0	28	134.5	47	156.9	12
MorCorn	MC4255	140.6	25	132.7	15	172.2	6	119.8	42
Axís	65D28	140.3	26	127.9	22	157.1	27	135.5	28
REV	25BHR80	140.2	27	125.0	25	169.0	11	129.7	33
REV	25BHR26	139.6	28	127.5	24	167.7	13	126.2	35
BH Genetics	BH8737	139.5	29	121.1	35	155.3	31	142.1	21
Augusta	A4463	139.3	30	131.6	17	148.3	39	134.6	29
Augusta	A1165	139.3	31	120.1	37	179.8	3	124.9	36
Progeny	EXP1815	138.5	32	134.8	10	159.0	21	121.0	40
Dyna-Gro	D55VC45	137.0	33	132.7	14	159.6	18	118.9	44
Local Seed	LC1398	136.9	34	117.5	40	151.1	37	141.6	22
REV	24BHR70	136.0	35	120.7	36	146.6	41	138.9	25
Seedway	SW6790	135.5	36	127.7	23	140.7	45	133.7	31
Local Seed	LC1586TC	135.3	37	134.6	11	156.7	28	113.8	45
Armor	A1299	134.7	38	123.7	29	135.8	46	139.4	24
Dyna-Gro	D52VC63	134.5	39	96.7	45	169.9	10	144.8	19
Seed Consultants	SCS1139AM	132.9	40	124.3	26	155.4	30	119.8	43
BH Genetics	BH8721	127.0	41	103.2	44	155.2	33	126.9	34
BH Genetics	XP 8509TRE	127.0	42	111.2	42	150.6	38	121.0	39
Armor	A1118	126.3	43	129.8	18	144.7	42	102.3	46
Progeny	PGY9114	126.3	44	128.3	20	171.0	8	84.9	47
Local Seed	LC1289	126.0	45	105.6	43	153.1	36	122.8	37
Blue River Hybrids	66G25	125.6	46	113.3	41	141.6	43	121.2	38
Augusta	A4565	125.2	47	87.3	47	158.3	24	137.3	26
NK Brand	NK1694-3111	88.7	48	86.2	48	110.0	48	69.3	48
Mean		141.0		125.6		158.4		139.1	
LSD (p=0.10)		21.7		20.2		22.8		22.0	
DF		94		94		139		94	

Bolded varieties are not significantly different than highest yielding hybrids

MEDIUM HYBRID - Piedmont		SUMMARY		Rowan		Surry		Union	
Company/Brand	Hybrid	Yield (bu/A)	Rank						
Progeny	EXP1912	224.4	1	169.3	38	272.1	2	179.7	8
BH Genetics	BH8721	223.4	2	173.3	28	252.4	20	190.2	2
REV	25BHR80	222.5	3	171.4	30	266.6	6	180.1	7
AgriGold	A644-32TRCRIB	221.3	4	188.7	4	252.8	17	186.6	3
Seedway	SW7560	220.4	5	196.7	1	268.4	5	175.6	13
Progeny	EXP1712	219.9	6	185.2	8	253.4	16	183.9	5
Armor	X9115	218.2	7	179.6	18	252.6	18	181.7	6
Augusta	A1165	216.3	8	171.2	31	252.6	19	178.7	10
Local Seed	LC1289	214.4	9	179.4	19	259.6	12	171.3	18
Local Seed	LC1488	213.3	10	174.1	27	265.3	8	166.0	24
DeKalb	DKC65-99	212.8	11	169.5	35	232.9	34	185.1	4
Phoenix	6507A3	212.8	12	163.8	45	221.3	45	192.1	1
Croplan	5340	211.3	13	183.8	12	283.5	1	151.7	42
REV	24BHR99	211.2	14	180.6	15	265.4	7	162.6	27
AgriGold	A6544VT2RIB	210.9	15	176.3	25	262.4	9	163.9	26
Dyna-Gro	D55VC80	210.5	16	185.7	6	243.7	27	174.8	14
Augusta	A4463	210.3	17	179.3	20	247.2	24	172.3	17
NK Brand	NK1205-3120	210.1	18	149.3	48	256.5	15	166.2	23
Progeny	PGY9114	209.4	19	188.4	5	242.6	29	173.6	16
Dyna-Gro	D52VC63	208.4	20	180.5	16	244.6	26	170.8	19
Progeny	EXP1815	207.6	21	167.9	41	258.9	13	160.8	29
Local Seed	LC1577	207.5	22	184.7	10	236.0	32	174.6	15
MorCorn	MC4319	207.3	23	169.5	36	269.5	4	153.7	39
Axis	65D28	207.2	24	175.2	26	271.0	3	152.7	41
Dyna-Gro	D54VC14	207.2	25	177.6	22	231.7	35	176.7	12
Armor	A1118	207.1	26	184.5	11	250.1	22	165.4	25
REV	25BHR26	205.4	27	183.6	13	261.5	10	155.7	36
Augusta	A4565	205.4	28	161.1	47	225.8	40	177.4	11
MorCorn	MC4255	205.1	29	167.1	42	242.9	28	166.6	22
Seed Consultants	SCS1158YHR	205.0	30	169.3	37	241.4	30	167.2	21
DeKalb	DKC61-41RIB	204.0	31	182.4	14	258.3	14	155.3	37
Seed Consultants	SCS1139AM	203.8	32	177.7	21	246.7	25	162.1	28
Pioneer	P1197VHR	203.0	33	170.0	34	259.9	11	152.8	40
Augusta	A4465	201.1	34	180.5	17	248.3	23	156.8	33
BH Genetics	BH8737	200.1	35	185.3	7	208.7	46	179.4	9
Armor	A1299	199.4	36	170.2	33	237.5	31	160.7	30
REV	24BHR70	195.4	37	168.8	39	233.4	33	156.6	34
DeKalb	DKC63-57RIB	194.6	38	190.4	3	230.1	36	157.4	32
Local Seed	LC1586TC	193.6	39	185.1	9	229.9	38	156.0	35
Local Seed	LC1398	193.1	40	166.1	44	221.6	44	160.2	31
NK Brand	NK1573-3330	190.8	41	162.0	46	203.3	48	167.8	20
Dyna-Gro	D55VC45	187.8	42	168.7	40	221.7	43	151.6	43
Seedway	SW6790	187.4	43	176.9	24	226.7	39	147.8	44
BH Genetics	XP 8509TRE	186.7	44	170.6	32	250.7	21	132.1	47
Blue River Hybrids	70N16	185.8	45	166.7	43	230.0	37	143.4	46
NK Brand	NK1354-3220	184.7	46	172.1	29	208.0	47	155.1	38
Blue River Hybrids	66G25	184.5	47	191.7	2	222.6	42	145.8	45
NK Brand	NK1694-3111	174.0	48	177.2	23	222.9	41	128.7	48
Mean		204.9		176.0		244.7		165.1	
LSD (p=0.10)		25.9		n/s		33.7		22.5	
DF		47		134		140		113	

MEDIUM HYBRID - Tidewater		Beaufort		Pasquotank		Pamlico	
Company/Brand	Hybrid	Yield (bu/A)	Rank	Yield (bu/A)	Rank	Yield (bu/A)	Rank
Dyna-Gro	<u>D55VC80</u>	225.8	2	235.9	38	198.1	24
AgriGold	<u>A644-32TRCRIB</u>	213.4	12	257.5	7	227.0	3
REV	<u>24BHR99</u>	216.9	7	230.2	44	211.8	10
Armor	X9115	218.5	6	247.4	20	174.0	44
Pioneer	<u>P1197YHR</u>	214.7	9	242.5	30	178.9	40
Local Seed	<u>LC1488</u>	206.4	22	244.4	26	203.5	17
DeKalb	<u>DKC65-99</u>	211.2	13	235.8	39	197.3	26
Progeny	EXP1815	227.1	1	248.0	19	174.2	43
Dyna-Gro	<u>D54VC14</u>	215.7	8	251.3	15	236.6	1
Sedway	<u>SW7560</u>	214.0	11	256.6	9	204.1	15
Augusta	A1165	220.1	5	228.9	46	184.7	35
REV	<u>25BHR26</u>	224.3	3	234.3	41	185.1	34
REV	25BHR80	214.4	10	223.7	48	199.7	22
Croplan	5340	205.7	23	236.1	37	203.0	18
Local Seed	<u>LC1577</u>	206.4	21	267.5	1	205.8	14
BH Genetics	<u>BH8721</u>	223.6	4	258.6	5	197.5	25
Progeny	EXP1712	206.6	20	243.3	28	195.9	27
AgriGold	<u>A6544VT2RIB</u>	208.0	17	248.2	18	210.7	11
Progeny	EXP1912	188.0	43	246.6	22	202.3	19
Seed Consultants	<u>SCS1158YHR</u>	207.7	18	241.0	32	192.1	30
NK Brand	<u>NK1573-3330</u>	203.1	25	248.3	17	190.9	32
MorCorn	<u>MC4319</u>	202.2	27	230.5	43	226.4	4
Axis	<u>65D28</u>	202.8	26	244.7	25	183.9	36
Phoenix	<u>6507A3</u>	186.5	44	239.7	33	200.0	21
Augusta	A4463	199.8	30	243.5	27	191.3	31
REV	24BHR70	209.6	16	242.6	29	167.1	46
NK Brand	<u>NK1205-3120</u>	190.0	40	252.8	14	195.6	28
DeKalb	<u>DKC63-57RIB</u>	199.6	31	249.7	16	219.2	7
Dyna-Gro	<u>D55VC45</u>	210.2	14	258.3	6	209.1	13
BH Genetics	<u>BH8732</u>	200.7	29	260.7	2	199.5	23
Local Seed	<u>LC1586TC</u>	207.5	19	258.7	4	147.3	48
Dyna-Gro	<u>D52VC63</u>	201.0	28	232.0	42	218.0	8
Augusta	<u>A4465</u>	185.3	45	256.5	10	160.3	47
MorCorn	<u>MC4255</u>	192.9	36	253.9	12	186.6	33
Augusta	<u>A4565</u>	204.9	24	245.4	24	203.7	16
DeKalb	<u>DKC61-41RIB</u>	172.4	47	256.3	11	183.6	37
BH Genetics	XP 8509TRE	209.9	15	230.1	45	200.8	20
Blue River Hybrids	<u>70N16</u>	194.1	33	224.7	47	178.1	41
Armor	A1299	190.9	38	259.7	3	233.1	2
Seed Consultants	<u>SCS1139AM</u>	189.3	41	247.3	21	182.5	38
Seedway	<u>SW6790</u>	193.5	34	235.7	40	169.5	45
Local Seed	<u>LC1289</u>	191.8	37	256.9	8	181.8	39
Progeny	<u>PGY9114</u>	193.5	35	238.2	35	222.0	5
Local Seed	LC1398	188.4	42	236.5	36	193.4	29
Armor	<u>A1118</u>	190.8	39	239.3	34	221.8	6
NK Brand	<u>NK1354-3220</u>	182.5	46	241.1	31	177.0	42
Blue River Hybrids	<u>66G25</u>	194.7	32	253.1	13	214.6	9
NK Brand	<u>NK1694-3111</u>	150.8	48	246.2	23	210.2	12
Mean		202.2		245.0		196.9	
LSD (p=0.10)		14.0		n/s		n/s	
DF		126		142		114	

Beaufort Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Progeny	EXP1815	VT2P/DroughtGuard	227.1	58.3	17.2	39.3
Dyna-Gro	D55VC80	VT2P	225.8	57.5	16.8	42.0
REV	25BHR26	YGCB/HX1/RR2/LL	224.3	58.8	17.6	41.3
BH Genetics	BH8721	VT2P	223.6	57.8	18.5	39.0
Augusta	A1165	VT2P	220.1	57.7	17.7	39.3
Armor	X9115	VT2P/ASR	218.5	57.5	16.5	41.3
REV	24BHR99	YGCB/HX1/RR2/LL	216.9	58.3	17.1	36.7
Dyna-Gro	D54VC14	VT2P	215.7	58.3	16.3	38.0
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	214.7	58.3	15.9	40.0
REV	25BHR80	YGCB/HX1/RR2/LL	214.4	58.4	16.9	35.3
Seedway	SW7560	VT2PRIB	214.0	58.0	17.2	41.3
AgriGold	A644-32TRCRIB	TRECEPTA	213.4	58.4	17.0	41.3
DeKalb	DKC65-99	TRECEPTA	211.2	58.4	16.7	38.3
Dyna-Gro	D55VC45	VT2P	210.2	58.2	17.1	35.3
BH Genetics	XP 8509TRE	TRECEPTA	209.9	58.8	16.8	40.0
REV	24BHR70	YGCB/HX1/RR2/LL	209.6	57.7	16.8	40.3
AgriGold	A6544VT2RIB	VT2PRIB	208.0	57.4	15.7	38.0
Seed Consultants	SCS1158YHR	Intrasect	207.7	58.0	17.5	39.7
Local Seed	LC1586TC	TRECEPTA	207.5	58.6	17.3	33.7
Progeny	EXP1712	SmartStax	206.6	58.1	16.6	40.0
Local Seed	LC1577	VT2PRIB	206.4	58.3	16.4	35.7
Local Seed	LC1488	VT2PRIB	206.4	58.3	15.3	36.0
Croplan	5340	VT2P	205.7	58.3	17.1	39.0
Augusta	A4565	Duracade	204.9	57.0	17.5	42.7
NK Brand	NK1573-3330	Agrisure 3330	203.1	58.1	17.1	41.0
Axis	65D28	VT2P	202.8	58.7	16.3	39.0
MorCorn	MC4319	VT2P	202.2	58.2	17.3	40.0
Dyna-Gro	D52VC63	VT2P	201.0	58.0	16.3	36.3
BH Genetics	BH8737	VT2P	200.7	58.1	15.9	38.7
Augusta	A4463	VT2P	199.8	58.8	16.1	36.7
DeKalb	DKC63-57RIB	GENVT2PRIB	199.6	58.1	15.7	36.7
Blue River Hybrids	66G25	Conventional	194.7	58.4	15.9	40.7
Blue River Hybrids	70N16	Conventional	194.1	58.3	16.7	46.0
Seedway	SW6790	VT2PRIB	193.5	58.0	15.0	35.7
Progeny	PGY9114	VT2P	193.5	58.6	16.1	40.7
MorCorn	MC4255	VT2P	192.9	57.9	16.2	39.7
Local Seed	LC1289	VT2PRIB	191.8	57.9	16.2	33.3
Armor	A1299	VT2P	190.9	58.0	15.1	38.0
Armor	A1118	VT2P	190.8	58.6	15.3	36.7
NK Brand	NK1205-3120	Agrisure 3120	190.0	58.3	15.3	40.7
Seed Consultants	SCS1139AM	AcreMax	189.3	58.5	15.9	35.0
Local Seed	LC1795	VT2P	188.4	58.3	16.7	39.3
Progeny	EXP1912	VT2P	188.0	58.2	15.7	39.3
Phoenix	6507A3	Agrisure 3000GT	186.5	58.1	17.4	47.3
Augusta	A4465	3110GT	185.3	58.0	17.1	38.0
NK Brand	NK1354-3220	Agrisure 3220	182.5	55.3	14.6	38.3
DeKalb	DKC61-41RIB	GENVT2PRIB	172.4	58.9	15.6	38.0
NK Brand	NK1694-3111	Agrisure 3111	150.8	58.7	14.5	28.3
			Mean	202.2	58.1	16.4
			CV	6.2		38.7
			Avg LSD (p=0.10)	14.0		
			DF	126		
			Avg SEM	6.3		

Bolded varieties are not statistically different from the highest yielding variety

Duplin Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
AgriGold	A644-32TRCRIB	TRECEPTA	170.0	55.9	19.3	33.0
DeKalb	DKC63-57RIB	GENVT2PRIB	150.8	55.5	18.6	30.0
REV	24BHR99	YGCB/HX1/RR2/LL	147.9	55.6	19.7	32.3
Local Seed	LC1577	VT2PRIB	145.6	56.0	17.6	30.0
DeKalb	DKC61-41RIB	GENVT2PRIB	144.9	53.2	17.5	28.3
DeKalb	DKC65-99	TRECEPTA	142.9	53.5	19.7	30.3
MorCorn	MC4319	VT2P	141.4	54.2	19.8	32.3
Dyna-Gro	D55VC80	VT2P	136.8	54.7	20.2	31.7
Progeny	EXP1912	VT2P	135.7	55.5	17.0	30.7
Progeny	EXP1815	VT2P/DroughtGuard	134.8	55.0	18.7	29.0
Local Seed	LC1586TC	TRECEPTA	134.6	55.8	18.6	29.7
Local Seed	LC1488	VT2PRIB	134.1	56.3	17.9	32.3
Seedway	SW7560	VT2PRIB	133.8	54.8	19.1	31.3
Dyna-Gro	D55VC45	VT2P	132.7	53.9	19.4	30.7
MorCorn	MC4255	VT2P	132.7	54.6	19.0	28.3
AgriGold	A6544VT2RIB	VT2PRIB	132.2	55.3	17.6	33.3
Augusta	A4463	VT2P	131.6	55.6	17.5	28.7
Armor	A1118	VT2P	129.8	55.8	18.0	27.7
Phoenix	6507A3	Agrisure 3000GT	129.4	53.1	19.2	35.0
Progeny	PGY9114	VT2P	128.3	55.7	18.4	27.0
Seed Consultants	SCS1158YHR	Intrasect	128.2	55.0	19.5	32.3
Axis	65D28	VT2P	127.9	55.3	16.2	33.3
Seedway	SW6790	VT2PRIB	127.7	55.4	17.9	33.7
REV	25BHR26	YGCB/HX1/RR2/LL	127.5	54.9	19.2	36.3
REV	25BHR80	YGCB/HX1/RR2/LL	125.0	53.8	20.4	29.7
Seed Consultants	SCS1139AM	AcreMax	124.3	56.2	19.0	31.3
Progeny	EXP1712	SmartStax	124.2	54.6	19.2	32.7
Blue River Hybrids	70N16	Conventional	124.0	53.0	16.1	30.7
Armor	A1299	VT2P	123.7	54.9	18.0	30.3
Augusta	A4465	3110GT	123.2	54.4	20.2	31.0
Croplan	5340	VT2P	123.0	53.6	21.1	29.7
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	122.5	57.2	18.8	32.0
Armor	X9115	VT2P/ASR	121.7	54.7	19.5	32.3
NK Brand	NK1573-3330	Agrisure 3330	121.1	54.6	19.1	32.7
BH Genetics	BH8737	VT2P	121.1	55.9	17.7	31.0
REV	24BHR70	YGCB/HX1/RR2/LL	120.7	55.5	18.3	32.7
Augusta	A1165	VT2P	120.1	54.3	20.0	33.0
NK Brand	NK1354-3220	Agrisure 3220	119.2	53.2	18.3	31.3
Dyna-Gro	D54VC14	VT2P	118.5	56.0	18.6	31.3
Local Seed	LC1398	VT2P	117.5	54.9	19.3	36.0
Blue River Hybrids	66G25	Conventional	113.3	55.6	18.0	30.7
BH Genetics	XP 8509TRE	TRECEPTA	111.2	56.8	19.5	32.0
Local Seed	LC1289	VT2PRIB	105.6	54.2	19.3	30.0
BH Genetics	BH8721	VT2P	103.2	55.8	20.3	31.3
Dyna-Gro	D52VC63	VT2P	96.7	54.7	18.6	29.0
NK Brand	NK1205-3120	Agrisure 3120	92.6	54.8	18.8	29.3
Augusta	A4565	Duracade	87.3	52.1	19.1	30.3
NK Brand	NK1694-3111	Agrisure 3111	86.2	53.8	15.7	28.3
Mean			125.6	54.9	18.7	31.2
CV			14.8			
Avg LSD (p=0.10)			20.2			
DF			94			
Avg SEM			9.3			

Bolded varieties are not statistically different from the highest yielding variety

Greene Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
NK Brand	NK1205-3120	Agrisure 3120	190.2	54.8	19.5	28.7
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	189.6	56.0	16.0	29.7
Augusta	A1165	VT2P	179.8	54.2	16.2	30.3
Seed Consultants	SCS1158YHR	Intrasect	178.0	55.4	18.3	29.3
REV	24BHR99	YGCB/HX1/RR2/LL	173.7	54.3	18.1	28.7
MorCorn	MC4255	VT2P	172.2	54.3	17.5	26.7
AgriGold	A644-32TRCRIB	TRECEPTA	172.1	54.9	18.2	22.7
Progeny	PGY9114	VT2P	171.0	55.1	16.2	29.7
NK Brand	NK1573-3330	Agrisure 3330	170.1	53.8	15.9	32.3
Dyna-Gro	D52VC63	VT2P	169.9	54.3	15.3	27.0
REV	25BHR80	YGCB/HX1/RR2/LL	169.0	55.4	18.8	28.3
Dyna-Gro	D55VC80	VT2P	168.4	55.2	17.9	29.0
REV	25BHR26	YGCB/HX1/RR2/LL	167.7	56.2	18.6	30.0
DeKalb	DKC61-41RIB	GENVT2PRIB	166.7	52.9	15.5	22.0
Croplan	5340	VT2P	166.0	54.7	15.8	29.3
Local Seed	LC1488	VT2PRIB	164.7	54.5	15.0	30.0
Armor	X9115	VT2P/ASR	160.5	55.1	16.5	27.7
Dyna-Gro	D55VC45	VT2P	159.6	54.0	16.3	26.0
NK Brand	NK1354-3220	Agrisure 3220	159.1	54.4	15.4	26.3
Phoenix	6507A3	Agrisure 3000GT	159.0	51.1	15.8	37.7
Progeny	EXP1815	VT2P/DroughtGuard	159.0	53.6	15.4	29.0
Local Seed	LC1577	VT2PRIB	158.5	55.6	15.4	22.7
DeKalb	DKC65-99	TRECEPTA	158.4	54.5	18.4	28.0
Augusta	A4565	Duracade	158.3	53.3	18.2	31.3
Dyna-Gro	D54VC14	VT2P	158.0	54.3	18.2	31.3
Seedway	SW7560	VT2PRIB	157.9	53.6	17.4	29.3
Axis	65D28	VT2P	157.1	53.8	15.4	25.3
Local Seed	LC1586TC	TRECEPTA	156.7	55.4	16.3	21.3
DeKalb	DKC63-57RIB	GENVT2PRIB	156.5	54.2	17.0	28.3
Seed Consultants	SCS1139AM	AcreMax	155.4	56.7	16.0	27.0
BH Genetics	BH8737	VT2P	155.3	54.5	15.4	30.7
Augusta	A4465	3110GT	155.2	53.0	17.2	31.0
BH Genetics	BH8721	VT2P	155.2	55.1	15.3	30.7
Progeny	EXP1712	SmartStax	154.2	55.6	16.0	27.3
Progeny	EXP1912	VT2P	153.2	55.0	14.9	29.0
Local Seed	LC1289	VT2PRIB	153.1	53.7	15.8	26.7
Local Seed	LC1398	VT2P	151.1	54.5	18.2	32.0
BH Genetics	XP 8509TRE	TRECEPTA	150.6	56.3	16.9	29.7
Augusta	A4463	VT2P	148.3	53.9	15.1	30.0
MorCorn	MC4319	VT2P	147.8	53.8	17.7	30.0
REV	24BHR70	YGCB/HX1/RR2/LL	146.6	54.4	15.2	28.0
Armor	A1118	VT2P	144.7	54.7	15.8	29.3
Blue River Hybrids	66G25	Conventional	141.6	55.2	16.7	28.7
AgriGold	A6544VT2RIB	VT2PRIB	141.2	54.0	14.5	34.0
Seedway	SW6790	VT2PRIB	140.7	54.1	16.6	30.0
Armor	A1299	VT2P	135.8	54.5	18.3	27.7
Blue River Hybrids	70N16	Conventional	134.5	51.0	14.4	29.7
NK Brand	NK1694-3111	Agrisure 3111	110.0	50.8	15.7	21.0
			Mean	158.4	54.4	16.5
			CV	14.7		28.5
			Avg LSD (p=0.10)	22.8		
			DF	139		
			Avg SEM	11.7		

Bolded varieties are not statistically different from the highest yielding variety

Pamlico Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)
Dyna-Gro	D54VC14	VT2P	236.6	56.9	14.3
Armor	A1299	VT2P	233.1	57.3	17.0
AgriGold	A644-32TRCRIB	TRECEPTA	227.0	55.3	14.4
MorCorn	MC4319	VT2P	226.4	57.1	15.7
Progeny	PGY9114	VT2P	222.0	58.1	15.4
Armor	A1118	VT2P	221.8	58.4	15.3
DeKalb	DKC63-57RIB	GENVT2PRIB	219.2	58.2	15.4
Dyna-Gro	D52VC63	VT2P	218.0	58.1	15.9
Blue River Hybrids	66G25	Conventional	214.6	57.3	16.5
REV	24BHR99	YGCB/HX1/RR2/LL	211.8	56.8	15.0
AgriGold	A6544VT2RIB	VT2PRIB	210.7	57.5	15.4
NK Brand	NK1694-3111	Agrisure 3111	210.2	55.3	17.0
Dyna-Gro	D55VC45	VT2P	209.1	58.2	16.0
Local Seed	LC1577	VT2PRIB	205.8	57.5	15.6
Seedway	SW7560	VT2PRIB	204.1	56.8	15.3
Augusta	A4565	Duracade	203.7	56.6	14.9
Local Seed	LC1488	VT2PRIB	203.5	56.3	16.6
Croplan	5340	VT2P	203.0	58.3	16.4
Progeny	EXP1912	VT2P	202.3	58.5	16.2
BH Genetics	XP 8509TRE	TRECEPTA	200.8	56.0	15.7
Phoenix	6507A3	Agrisure 3000GT	200.0	55.9	13.5
REV	25BHR80	YGCB/HX1/RR2/LL	199.7	57.1	15.3
BH Genetics	BH8737	VT2P	199.5	56.4	15.5
Dyna-Gro	D55VC80	VT2P	198.1	55.9	14.8
BH Genetics	BH8721	VT2P	197.5	57.4	15.5
DeKalb	DKC65-99	TRECEPTA	197.3	58.3	16.0
Progeny	EXP1712	SmartStax	195.9	57.2	15.2
NK Brand	NK1205-3120	Agrisure 3120	195.6	57.7	15.7
Local Seed	LC1398	VT2P	193.4	58.2	17.1
Seed Consultants	SCS1158YHR	Intrasect	192.1	58.5	15.7
Augusta	A4463	VT2P	191.3	56.6	14.9
NK Brand	NK1573-3330	Agrisure 3330	190.9	56.9	14.9
MorCorn	MC4255	VT2P	186.6	56.2	14.6
REV	25BHR26	YGCB/HX1/RR2/LL	185.1	56.6	13.9
Augusta	A1165	VT2P	184.7	58.0	15.6
Axis	65D28	VT2P	183.9	57.3	14.7
DeKalb	DKC61-41RIB	GENVT2PRIB	183.6	57.3	14.7
Seed Consultants	SCS1139AM	AcreMax	182.5	57.5	17.2
Local Seed	LC1289	VT2PRIB	181.8	56.9	15.7
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	178.9	57.1	15.2
Blue River Hybrids	70N16	Conventional	178.1	56.5	15.5
NK Brand	NK1354-3220	Agrisure 3220	177.0	56.2	14.9
Progeny	EXP1815	VT2P/DroughtGuard	174.2	56.9	16.0
Armor	X9115	VT2P/ASR	174.0	57.4	15.3
Seedway	SW6790	VT2PRIB	169.5	54.7	14.3
REV	24BHR70	YGCB/HX1/RR2/LL	167.1	57.6	14.6
Augusta	A4465	3110GT	160.3	54.9	18.5
Local Seed	LC1586TC	TRECEPTA	147.3	57.2	14.9
Mean			196.9	57.1	15.5
CV			18.9		
Avg LSD (p=0.10)			n/s		
DF			114		
Avg SEM			18.6		
Bolted varieties are not statistically different from the highest yielding variety					

Pasquotank Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Local Seed	LC1577	VT2PRIB	267.5	57.0	18.4	46.7
BH Genetics	BH8737	VT2P	260.7	56.1	18.3	42.3
Armor	A1299	VT2P	259.7	56.5	18.8	44.3
Local Seed	LC1586TC	TRECEPTA	258.7	54.9	19.4	44.7
BH Genetics	BH8721	VT2P	258.6	56.9	19.5	44.3
Dyna-Gro	D55VC45	VT2P	258.3	55.9	19.7	46.7
AgriGold	A644-32TRCRIB	TRECEPTA	257.5	55.7	18.8	43.3
Local Seed	LC1289	VT2PRIB	256.9	55.4	19.0	44.0
Seedway	SW7560	VT2PRIB	256.6	56.6	18.4	45.7
Augusta	A4465	3110GT	256.5	54.9	19.5	50.0
DeKalb	DKC61-41RIB	GENVT2PRIB	256.3	56.9	17.2	40.3
MorCorn	MC4255	VT2P	253.9	56.1	18.9	45.7
Blue River Hybrids	66G25	Conventional	253.1	56.1	18.0	45.0
NK Brand	NK1205-3120	Agrisure 3120	252.8	56.8	18.8	44.7
Dyna-Gro	D54VC14	VT2P	251.3	56.8	17.3	46.0
DeKalb	DKC63-57RIB	GENVT2PRIB	249.7	56.2	19.0	45.3
NK Brand	NK1573-3330	Agrisure 3330	248.3	56.3	18.7	43.7
AgriGold	A6544VT2RIB	VT2PRIB	248.2	56.1	19.2	42.7
Progeny	EXP1815	VT2P/DroughtGuard	248.0	55.7	18.0	40.3
Armor	X9115	VT2P/ASR	247.4	56.6	17.7	46.3
Seed Consultants	SCS1139AM	AcreMax	247.3	56.7	18.0	42.7
Progeny	EXP1912	VT2P	246.6	56.2	18.6	44.3
NK Brand	NK1694-3111	Agrisure 3111	246.2	56.0	18.6	42.7
Augusta	A4565	Duracade	245.4	56.9	18.9	48.0
Axis	65D28	VT2P	244.7	56.3	18.1	41.7
Local Seed	LC1488	VT2PRIB	244.4	56.6	18.6	40.7
Augusta	A4463	VT2P	243.5	55.8	18.1	42.0
Progeny	EXP1712	SmartStax	243.3	55.8	19.4	43.3
REV	24BHR70	YGCB/HX1/RR2/LL	242.6	57.2	18.4	44.0
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	242.5	56.3	17.6	39.3
NK Brand	NK1354-3220	Agrisure 3220	241.1	56.0	16.3	42.3
Seed Consultants	SCS1158YHR	Intrasect	241.0	55.0	18.1	41.0
Phoenix	6507A3	Agrisure 3000GT	239.7	55.4	18.1	47.7
Armor	A1118	VT2P	239.3	55.8	18.9	39.3
Progeny	PGY9114	VT2P	238.2	55.8	17.5	45.7
Local Seed	LC1398	VT2P	236.5	56.1	17.2	41.7
Croplan	5340	VT2P	236.1	56.1	18.0	44.7
Dyna-Gro	D55VC80	VT2P	235.9	57.3	18.6	47.3
DeKalb	DKC65-99	TRECEPTA	235.8	56.0	16.9	43.0
Seedway	SW6790	VT2PRIB	235.7	56.0	18.0	42.7
REV	25BHR26	YGCB/HX1/RR2/LL	234.3	54.2	17.5	43.3
Dyna-Gro	D52VC63	VT2P	232.0	56.1	18.5	43.7
MorCorn	MC4319	VT2P	230.5	56.1	18.3	42.3
REV	24BHR99	YGCB/HX1/RR2/LL	230.2	56.0	18.4	43.3
BH Genetics	XP 8509TRE	TRECEPTA	230.1	56.0	16.6	45.7
Augusta	A1165	VT2P	228.9	56.5	18.6	46.3
Blue River Hybrids	70N16	Conventional	224.7	57.1	16.6	43.0
REV	25BHR80	YGCB/HX1/RR2/LL	223.7	56.7	18.1	45.0

Mean	245.0	56.1	18.3	43.9
CV	7.7			
Avg LSD (p=0.10)	n/s			
DF	142			
Avg SEM	9.4			

Bolded varieties are not statistically different from the highest yielding variety

Robeson Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)
Dyna-Gro	D55VC80	VT2P	183.8	55.5	16.3
Progeny	EXP1912	VT2P	170.3	55.6	15.3
NK Brand	NK1205-3120	Agrisure 3120	170.0	54.9	20.1
Armor	X9115	VT2P/ASR	169.8	55.6	17.9
Dyna-Gro	D54VC14	VT2P	168.2	56.2	16.4
Local Seed	LC1488	VT2PRIB	168.1	55.7	14.7
Augusta	A4465	3110GT	167.3	54.9	16.4
NK Brand	NK1573-3330	Agrisure 3330	166.3	54.7	14.8
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	164.5	56.2	15.5
Croplan	5340	VT2P	160.7	55.4	18.7
Phoenix	6507A3	Agrisure 3000GT	160.5	53.0	16.1
Blue River Hybrids	70N16	Conventional	156.9	52.7	13.8
AgriGold	A6544VT2RIB	VT2PRIB	151.4	56.1	14.5
REV	24BHR99	YGCB/HX1/RR2/LL	150.4	57.0	16.9
DeKalb	DKC65-99	TRECEPTA	150.2	56.9	17.4
Progeny	EXP1712	SmartStax	149.1	55.2	18.0
NK Brand	NK1354-3220	Agrisure 3220	148.9	54.1	15.3
DeKalb	DKC61-41RIB	GENVT2PRIB	146.1	54.4	14.7
Dyna-Gro	D52VC63	VT2P	144.8	55.6	15.9
AgriGold	A644-32TRCRIB	TRECEPTA	142.6	57.2	17.6
BH Genetics	BH8737	VT2P	142.1	56.5	15.6
Local Seed	LC1398	VT2P	141.6	55.0	16.7
Local Seed	LC1577	VT2PRIB	140.0	57.5	16.1
Armor	A1299	VT2P	139.4	55.7	14.9
REV	24BHR70	YGCB/HX1/RR2/LL	138.9	56.9	14.1
Augusta	A4565	Duracade	137.3	53.6	17.3
Seedway	SW7560	VT2PRIB	136.9	55.0	17.7
Axis	65D28	VT2P	135.5	55.9	14.3
Augusta	A4463	VT2P	134.6	56.0	15.5
MorCorn	MC4319	VT2P	133.8	54.4	19.9
Seedway	SW6790	VT2PRIB	133.7	55.8	15.3
Seed Consultants	SCS1158YHR	Intrasect	130.8	57.1	16.9
REV	25BHR80	YGCB/HX1/RR2/LL	129.7	56.0	18.3
BH Genetics	BH8721	VT2P	126.9	57.1	17.3
REV	25BHR26	YGCB/HX1/RR2/LL	126.2	58.3	16.0
Augusta	A1165	VT2P	124.9	55.2	17.7
Local Seed	LC1289	VT2PRIB	122.8	55.3	18.1
Blue River Hybrids	66G25	Conventional	121.2	56.8	14.7
BH Genetics	XP 8509TRE	TRECEPTA	121.0	58.6	16.4
Progeny	EXP1815	VT2P/DroughtGuard	121.0	55.8	16.3
DeKalb	DKC63-57RIB	GENVT2PRIB	119.9	56.0	17.1
MorCorn	MC4255	VT2P	119.8	55.6	16.4
Seed Consultants	SCS1139AM	AcreMax	119.8	58.5	16.2
Dyna-Gro	D55VC45	VT2P	118.9	55.0	18.5
Local Seed	LC1586TC	TRECEPTA	113.8	57.6	15.9
Armor	A1118	VT2P	102.3	56.5	15.7
Progeny	PGY9114	VT2P	84.9	55.8	15.8
NK Brand	NK1694-3111	Agrisure 3111	69.3	53.7	11.8
			Mean	139.1	55.8
			CV	14.2	16.3
			Avg LSD (p=0.10)	22.0	
			DF	94	
			Avg SEM	9.9	
Bolded varieties are not statistically different from the highest yielding variety					

Rowan Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Seedway	<u>SW7560</u>	VT2PRIB	196.7	57.0	13.3	48.0
Blue River Hybrids	<u>66G25</u>	Conventional	191.7	56.3	12.2	44.7
DeKalb	<u>DKC63-57RIB</u>	GENVT2PRIB	190.4	57.5	13.1	46.0
AgriGold	<u>A644-32TRCRIB</u>	TRECEPTA	188.7	56.8	13.4	45.7
Progeny	<u>PGY9114</u>	VT2P	188.4	57.6	12.6	44.0
Dyna-Gro	<u>D55VC80</u>	VT2P	185.7	56.7	13.1	44.3
BH Genetics	<u>BH8737</u>	VT2P	185.3	57.3	13.3	44.0
Progeny	EXP1712	SmartStax	185.2	57.1	12.9	44.7
Local Seed	<u>LC1586TC</u>	TRECEPTA	185.1	57.7	13.8	48.0
Local Seed	<u>LC1577</u>	VT2PRIB	184.7	57.0	12.2	46.3
Armor	<u>A1118</u>	VT2P	184.5	57.0	12.1	48.0
Croplan	5340	VT2P	183.8	56.4	12.4	44.3
REV	<u>25BHR26</u>	YGCB/HX1/RR2/LL	183.6	57.9	12.7	51.0
DeKalb	<u>DKC61-41RIB</u>	GENVT2PRIB	182.4	55.5	12.1	44.0
REV	<u>24BHR99</u>	YGCB/HX1/RR2/LL	180.6	57.0	13.2	43.7
Dyna-Gro	<u>D52VC63</u>	VT2P	180.5	56.9	12.7	43.7
Augusta	<u>A4465</u>	3110GT	180.5	56.6	12.4	46.7
Armor	X9115	VT2P/ASR	179.6	57.9	13.0	44.3
Local Seed	<u>LC1289</u>	VT2PRIB	179.4	56.8	13.4	38.3
Augusta	A4463	VT2P	179.3	56.8	12.1	45.3
Seed Consultants	<u>SCS1139AM</u>	AcreMax	177.7	57.3	12.9	37.3
Dyna-Gro	<u>D54VC14</u>	VT2P	177.6	57.9	12.5	44.7
NK Brand	<u>NK1694-3111</u>	Agrisure 3111	177.2	55.8	12.3	41.7
Seedway	<u>SW6790</u>	VT2PRIB	176.9	57.1	12.0	44.7
AgriGold	<u>A6544VT2RIB</u>	VT2PRIB	176.3	56.6	12.3	48.0
Axis	<u>65D28</u>	VT2P	175.2	57.0	12.0	42.7
Local Seed	<u>LC1488</u>	VT2PRIB	174.1	57.4	13.0	43.7
BH Genetics	<u>BH8721</u>	VT2P	173.3	56.8	12.9	43.7
NK Brand	<u>NK1354-3220</u>	Agrisure 3220	172.1	56.5	12.8	46.3
REV	25BHR80	YGCB/HX1/RR2/LL	171.4	56.8	12.0	45.3
Augusta	A1165	VT2P	171.2	57.2	13.5	43.0
BH Genetics	XP 8509TRE	TRECEPTA	170.6	58.3	13.6	46.0
Armor	A1299	VT2P	170.2	56.9	11.5	43.7
Pioneer	<u>P1197YHR</u>	YGCB/HX1/RR2/LL	170.0	57.3	12.7	46.0
DeKalb	<u>DKC65-99</u>	TRECEPTA	169.5	56.7	13.2	43.7
MorCorn	<u>MC4319</u>	VT2P	169.5	56.5	13.3	43.3
Seed Consultants	<u>SCS1158YHR</u>	Intrasect	169.3	56.6	12.7	41.0
Progeny	EXP1912	VT2P	169.3	57.0	12.1	43.3
REV	24BHR70	YGCB/HX1/RR2/LL	168.8	56.3	12.6	43.0
Dyna-Gro	<u>D55VC45</u>	VT2P	168.7	56.9	12.5	43.0
Progeny	EXP1815	VT2P/DroughtGuard	167.9	56.8	12.0	44.3
MorCorn	<u>MC4255</u>	VT2P	167.1	56.1	12.6	46.7
Blue River Hybrids	<u>70N16</u>	Conventional	166.7	56.4	13.0	45.7
Local Seed	LC1398	VT2P	166.1	57.1	12.8	45.7
Phoenix	<u>6507A3</u>	Agrisure 3000GT	163.8	56.1	12.0	42.0
NK Brand	<u>NK1573-3330</u>	Agrisure 3330	162.0	55.6	11.8	45.0
Augusta	<u>A4565</u>	Duracade	161.1	54.9	12.0	44.7
NK Brand	<u>NK1205-3120</u>	Agrisure 3120	149.3	55.9	12.8	45.7
			Mean	176.0	56.8	12.7
			CV	11.0		44.6
			Avg LSD (p=0.10)	n/s		
			DF	134		
			Avg SEM	9.7		

Bolded varieties are not statistically different from the highest yielding variety

Surry Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Croplan	5340	VT2P	283.5	58.6	18.6	53.3
Progeny	EXP1912	VT2P	272.1	58.5	18.4	49.7
Axis	65D28	VT2P	271.0	58.2	17.8	54.0
MorCorn	MC4319	VT2P	269.5	58.3	20.2	54.0
Seedway	SW7560	VT2PRIB	268.4	59.3	20.1	55.3
REV	25BHR80	YGCB/HX1/RR2/LL	266.6	59.2	19.9	49.7
REV	24BHR99	YGCB/HX1/RR2/LL	265.4	59.0	18.3	54.0
Local Seed	LC1488	VT2PRIB	265.3	58.9	17.7	57.0
AgriGold	A6544VT2RIB	VT2PRIB	262.4	58.9	16.9	47.7
REV	25BHR26	YGCB/HX1/RR2/LL	261.5	58.7	18.6	52.7
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	259.9	58.2	17.9	52.3
Local Seed	LC1289	VT2PRIB	259.6	57.7	18.7	52.3
Progeny	EXP1815	VT2P/DroughtGuard	258.9	57.0	17.5	53.3
DeKalb	DKC61-41RIB	GENVT2PRIB	258.3	57.4	16.3	50.3
NK Brand	NK1205-3120	Agrisure 3120	256.5	57.8	17.7	48.3
Progeny	EXP1712	SmartStax	253.4	57.6	18.7	55.3
AgriGold	A644-32TRCRIB	TRECEPTA	252.8	57.3	19.4	57.0
Armor	X9115	VT2P/ASR	252.6	58.1	18.5	53.0
Augusta	A1165	VT2P	252.6	58.3	19.3	53.7
BH Genetics	BH8721	VT2P	252.4	59.1	18.4	52.7
BH Genetics	XP 8509TRE	TRECEPTA	250.7	58.6	19.3	53.0
Armor	A1118	VT2P	250.1	58.9	17.5	56.3
Augusta	A4465	3110GT	248.3	58.8	18.0	50.0
Augusta	A4463	VT2P	247.2	58.6	17.1	57.0
Seed Consultants	SCS1139AM	AcreMax	246.7	60.0	18.7	53.7
Dyna-Gro	D52VC63	VT2P	244.6	57.8	18.3	50.7
Dyna-Gro	D55VC80	VT2P	243.7	57.6	19.0	54.3
MorCorn	MC4255	VT2P	242.9	58.3	18.0	53.3
Progeny	PGY9114	VT2P	242.6	60.3	17.6	50.3
Seed Consultants	SCS1158YHR	Intrasect	241.4	58.7	18.5	51.0
Armor	A1299	VT2P	237.5	59.1	18.0	53.3
Local Seed	LC1577	VT2PRIB	236.0	59.6	17.6	52.0
REV	24BHR70	YGCB/HX1/RR2/LL	233.4	59.1	18.5	50.7
DeKalb	DKC65-99	TRECEPTA	232.9	57.4	19.5	50.0
Dyna-Gro	D54VC14	VT2P	231.7	60.5	16.4	51.0
DeKalb	DKC63-57RIB	GENVT2PRIB	230.1	58.7	18.2	52.0
Blue River Hybrids	70N16	Conventional	230.0	55.0	17.9	58.3
Local Seed	LC1586TC	TRECEPTA	229.9	58.5	18.8	57.3
Seedway	SW6790	VT2PRIB	226.7	58.2	17.0	52.0
Augusta	A4565	Duracade	225.8	56.7	18.8	52.3
NK Brand	NK1694-3111	Agrisure 3111	222.9	58.7	14.7	44.7
Blue River Hybrids	66G25	Conventional	222.6	58.9	18.0	52.3
Dyna-Gro	D55VC45	VT2P	221.7	58.3	18.5	54.0
Local Seed	LC1398	VT2P	221.6	57.8	18.4	58.3
Phoenix	6507A3	Agrisure 3000GT	221.3	57.8	19.0	58.3
BH Genetics	BH8737	VT2P	208.7	59.8	17.7	50.7
NK Brand	NK1354-3220	Agrisure 3220	208.0	57.7	18.6	49.3
NK Brand	NK1573-3330	Agrisure 3330	203.3	58.1	17.3	52.0
Mean			244.7	58.4	18.2	52.8
CV			12.3			
Avg LSD (p=0.10)			33.7			
SE			1.12			

Bolded varieties are not statistically different from the highest yielding variety

Union Co Medium Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Phoenix	6507A3	Agrisure 3000GT	192.1	56.0	17.8	40.7
BH Genetics	BH8721	VT2P	190.2	59.3	17.9	40.0
AgriGold	A644-32TRCRIB	TRECEPTA	186.6	58.8	15.5	42.0
DeKalb	DKC65-99	TRECEPTA	185.1	58.1	15.3	36.3
Progeny	EXP1712	SmartStax	183.9	57.4	16.5	36.3
Armor	X9115	VT2P/ASR	181.7	57.8	15.3	48.0
REV	25BHR80	YGCB/HX1/RR2/LL	180.1	58.0	17.0	38.3
Progeny	EXP1912	VT2P	179.7	58.6	14.3	40.0
BH Genetics	BH8737	VT2P	179.4	57.9	16.4	38.3
Augusta	A1165	VT2P	178.7	58.3	15.8	39.3
Augusta	A4565	Duracade	177.4	56.0	16.3	39.7
Dyna-Gro	D54VC14	VT2P	176.7	58.4	15.9	38.3
Seedway	SW7560	VT2PRIB	175.6	57.4	15.4	39.7
Dyna-Gro	D55VC80	VT2P	174.8	57.8	15.3	42.0
Local Seed	LC1577	VT2PRIB	174.6	59.3	14.7	39.7
Progeny	PGY9114	VT2P	173.6	59.6	14.4	41.3
Augusta	A4463	VT2P	172.3	58.3	13.9	36.7
Local Seed	LC1289	VT2PRIB	171.3	57.1	15.0	35.3
Dyna-Gro	D52VC63	VT2P	170.8	56.6	14.9	36.7
NK Brand	NK1573-3330	Agrisure 3330	167.8	56.8	14.6	34.7
Seed Consultants	SCS1158YHR	Intrasect	167.2	57.8	15.4	39.3
MorCorn	MC4255	VT2P	166.6	57.1	16.0	33.0
NK Brand	NK1205-3120	Agrisure 3120	166.2	57.0	13.7	38.3
Local Seed	LC1488	VT2PRIB	166.0	58.7	13.5	37.0
Armor	A1118	VT2P	165.4	58.8	14.3	35.0
AgriGold	A6544VT2RIB	VT2PRIB	163.9	57.9	13.9	37.3
REV	24BHR99	YGCB/HX1/RR2/LL	162.6	58.8	16.2	39.0
Seed Consultants	SCS1139AM	AcreMax	162.1	59.4	14.2	42.3
Progeny	EXP1815	VT2P/DroughtGuard	160.8	58.2	13.9	38.7
Armor	A1299	VT2P	160.7	58.3	13.6	37.3
Local Seed	LC1398	VT2P	160.2	59.1	14.6	44.7
DeKalb	DKC63-57RIB	GENVT2PRIB	157.4	58.2	12.8	40.3
Augusta	A4465	3110GT	156.8	56.5	14.0	33.0
REV	24BHR70	YGCB/HX1/RR2/LL	156.6	58.3	14.8	38.7
Local Seed	LC1586TC	TRECEPTA	156.0	58.1	16.9	38.7
REV	25BHR26	YGCB/HX1/RR2/LL	155.7	60.3	15.6	35.0
DeKalb	DKC61-41RIB	GENVT2PRIB	155.3	56.0	13.7	36.0
NK Brand	NK1354-3220	Agrisure 3220	155.1	56.6	15.0	41.3
MorCorn	MC4319	VT2P	153.7	58.3	15.7	39.3
Pioneer	P1197YHR	YGCB/HX1/RR2/LL	152.8	58.8	15.3	37.3
Axis	65D28	VT2P	152.7	58.1	13.7	37.7
Croplan	5340	VT2P	151.7	58.0	14.8	39.0
Dyna-Gro	D55VC45	VT2P	151.6	58.5	15.5	40.3
Seedway	SW6790	VT2PRIB	147.8	58.3	13.6	41.3
Blue River Hybrids	66G25	Conventional	145.8	58.2	14.8	36.7
Blue River Hybrids	70N16	Conventional	143.4	54.6	13.6	38.3
BH Genetics	XP 8509TRE	TRECEPTA	132.1	60.1	14.9	36.7
NK Brand	NK1694-3111	Agrisure 3111	128.7	56.8	11.6	30.7

Mean	165.1	58.0	15.0	38.5
CV	14.3			
Avg LSD (p=0.10)	22.5			
DF	113			
Avg SEM	11.8			

Bolded varieties are not statistically different from the highest yielding variety

Late Hybrids - 2 and 3 year

			2 year	3 year
Company/Brand	Hybrid	Trait	Yield (bu/A)	Yield (bu/A)
REV	<u>28BHR18</u>	YGCB/HX1/RR2/LL	181.7	183.4
DeKalb	<u>DKC68-69</u>	VT2P	172.6	-
Dyna-Gro	<u>D58VC65</u>	VT2P	171.8	180.1
DeKalb	<u>DKC67-44</u>	VT2P	169.4	179.3
Pioneer	<u>P1870YHR</u>	YGCB/HX1/RR2/LL	168.0	179.8
Croplan	5678	VT2P	167.8	172.8
MorCorn	<u>MC4725</u>	VT2P	166.0	174.0
Progeny	<u>PGY9117</u>	VT2P	165.2	-
Local Seed	<u>LC1776</u>	VT2P	165.1	-
Armor	<u>A1778</u>	VT2P/ASR	162.0	-
Dyna-Gro	<u>D57VC51</u>	VT2P	161.5	-
Progeny	<u>PGY6119</u>	VT2P	161.2	174.1
Progeny	<u>PGY8116</u>	SmartStax	157.7	-
Phoenix	<u>7402A4</u>	VT2P	155.9	165.4
NK Brand	<u>NK1808-3111</u>	Agrisure 3111	154.7	165.2
Local Seed	LC1987	VT2P	151.3	-
			Mean	164.5
			Avg LSD (p=0.10)	8.4
			DF	180
Bolded varieties are not statistically different from the highest yielding variety				

Late Hybrids - Statewide (2019)

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)
Seed Consultants	SCS1168YHR	Intrasect	177.6	57.1
REV	28BHR18	YGCB/HX1/RR2/LL	175.2	57.0
Seed Consultants	SCS1188YHR	Intrasect	175.1	56.8
DeKalb	DKC68-69	VT2P	174.0	57.4
REV	26BHR30	YGCB/HX1/RR2/LL	169.4	57.9
Croplan	5678	VT2P	166.8	57.3
DeKalb	DKC67-44	VT2P	166.6	56.8
Dyna-Gro	D58VC65	VT2P	166.3	57.4
Progeny	PGY8116	SmartStax	165.8	57.7
Local Seed	LC1987	VT2P	165.0	56.6
Local Seed	LC1776	VT2P	164.7	57.2
Dyna-Gro	D57VC51	VT2P	163.7	57.3
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	163.4	57.2
Progeny	EXP1918	VT2P	162.9	56.5
Local Seed	LC1795	VT2P	162.5	56.3
Armor	A1778	VT2P/ASR	161.8	57.6
Blue River Hybrids	74B75	Conventional	160.7	54.2
Progeny	PGY9117	VT2P	160.4	57.8
DeKalb	DKC66-18	VT2P	160.3	57.0
MorCorn	MC4725	VT2P	160.0	57.6
Progeny	PGY6119	VT2P	159.1	57.3
AgriGold	A647-46VT2PRO	VT2P	158.7	57.9
Armor	X9116	VT2P	158.3	56.4
Armor	A1688T	TRECEPTA	157.8	58.1
Augusta	A1367	Duracade	156.3	53.9
Augusta	A9967	3000GT	155.9	53.7
Axis	67K27	VT2P	155.0	57.9
NK Brand	NK1808-3111	Agrisure 3111	150.6	54.5
Seedway	SW8109	Agrisure 3000GT	149.1	55.0
Phoenix	7402A4	VT2P	148.8	54.9
		Mean	162.4	56.7
		Avg LSD (p=0.10)	10.9	
		DF	174	
Bolded varieties are not statistically different from the highest yielding variety				

Late Hybrid Summary		Statewide		Beaufort		Duplin		Greene		Pasquotank		Pamlico		Robeson		Rowan		Surry		Union	
Company/Brand	Hybrid	Yield (bu/A)	Rank																		
Seed Consultants	SCS1168YHR	177.6	1	234.8	4	156.8	2	204.0	3	236.7	27	188.7	24	150.6	6	182.9	11	175.7	4	144.5	20
REV	28BHR18	175.2	2	240.3	1	157.7	1	216.0	1	252.7	7	203.0	9	162.2	1	156.9	28	152.5	29	155.6	11
Seed Consultants	SCS1188YHR	175.1	3	237.0	2	130.2	6	208.4	2	246.2	17	183.6	26	157.1	3	195.2	1	160.8	20	149.8	15
DeKalb	DKC68-69	174.0	4	235.5	3	112.8	14	194.4	7	236.9	26	200.0	16	140.0	17	190.6	3	169.8	9	162.0	7
REV	26BHR30	169.4	5	232.1	5	113.6	13	197.8	4	241.8	20	179.5	29	149.3	7	172.9	19	153.1	28	169.2	3
Croplan	5678	166.8	6	228.4	6	127.8	8	152.0	27	222.9	30	202.8	12	140.3	16	169.6	22	173.2	5	154.1	12
DeKalb	DKC67-44	166.6	7	219.6	14	138.2	4	184.2	10	238.6	25	211.6	5	128.2	24	190.7	2	153.7	27	166.8	6
Dyna-Gro	D58VC65	166.3	8	225.1	7	125.4	10	150.4	28	238.9	23	201.1	14	125.5	26	158.6	27	186.7	1	150.5	14
Progeny	PGY8116	165.8	9	220.9	11	112.1	15	194.4	6	254.2	5	199.5	18	126.9	25	186.1	6	155.4	26	168.1	4
Local Seed	LC1987	165.0	10	223.5	8	105.7	18	186.5	9	249.1	13	208.3	8	133.7	21	168.2	24	156.5	24	173.9	1
Local Seed	LC1776	164.7	11	219.0	15	106.0	17	168.8	17	270.2	1	226.7	1	150.7	5	187.4	5	168.8	10	156.3	10
Dyna-Gro	D57VC51	163.7	12	211.4	22	141.2	3	166.5	20	251.0	10	201.6	13	124.8	27	183.7	10	177.4	2	141.3	26
Pioneer	P1870YHR	163.4	13	222.3	10	96.1	23	189.5	8	260.6	2	195.2	21	128.4	23	185.7	7	166.1	11	141.9	23
Progeny	EXP1918	162.9	14	216.9	17	117.5	12	161.8	23	251.7	9	210.3	6	144.2	10	176.9	16	177.2	3	139.3	30
Local Seed	LC1795	162.5	15	219.8	13	124.8	11	165.6	21	254.2	6	212.0	4	138.2	19	190.4	4	161.4	19	141.5	24
Armor	A1778	161.8	16	217.6	16	102.1	20	161.3	24	244.1	18	188.9	23	141.1	15	175.7	17	173.0	6	149.3	17
Blue River Hybrids	74B75	160.7	17	214.9	18	93.9	25	197.5	5	246.3	16	203.0	11	143.1	12	170.8	21	165.4	13	140.7	28
Progeny	PGY9117	160.4	18	205.5	26	96.4	22	174.6	15	249.2	11	182.3	28	142.1	14	184.1	9	163.7	16	172.6	2
DeKalb	DKC66-18	160.3	19	209.6	25	129.7	7	159.4	25	243.0	19	209.0	7	121.9	28	180.2	13	164.3	15	158.6	9
MorCorn	MC4725	160.0	20	220.5	12	91.7	27	144.7	30	236.4	28	216.2	2	158.6	2	178.6	15	165.9	12	152.0	13
Progeny	PGY6119	159.1	21	210.7	24	126.0	9	173.2	16	259.2	3	213.4	3	138.8	18	179.8	14	159.7	21	140.7	29
AgriGold	A647-46VTPRO	158.7	22	213.6	20	98.8	21	182.6	11	238.8	24	183.6	25	143.8	11	180.7	12	157.2	23	144.5	19
Armor	X9116	158.3	23	210.9	23	132.5	5	175.2	14	239.8	21	197.9	19	129.2	22	166.9	26	159.3	22	141.3	25
Armor	A1688T	157.8	24	214.4	19	109.4	16	167.9	19	229.3	29	203.0	10	112.8	30	149.4	29	163.0	17	161.2	8
Augusta	A1367	156.3	25	200.4	27	104.6	19	168.0	18	249.1	12	183.1	27	136.4	20	184.4	8	156.4	25	167.9	5
Augusta	A9967	155.9	26	213.5	21	91.8	26	146.2	29	247.5	14	200.1	15	145.4	9	167.9	25	165.3	14	149.6	16
Axis	67K27	155.0	27	222.5	9	95.6	24	165.1	22	247.2	15	197.7	20	146.8	8	148.3	30	148.6	30	144.2	22
NK Brand	NK1808-3111	150.6	28	191.4	29	72.5	30	175.9	13	252.0	8	175.4	30	143.1	13	171.1	20	172.6	7	141.2	27
Seedway	SW8109	149.1	29	195.4	28	75.0	29	176.9	12	255.8	4	199.8	17	119.9	29	168.9	23	162.3	18	144.3	21
Phoenix	7402A4	148.8	30	187.0	30	79.6	28	156.2	26	239.5	22	193.2	22	152.1	4	173.7	18	171.7	8	144.8	18
Mean		162.4		217.2		112.2		175.5		246.1		199.0		139.2		175.9		164.6		152.2	
LSD (p=0.10)		10.9		12.7		22.3		18.1		n/s		n/s		27.3		22.3		15.2		19.7	
DF		174		88		66		88		80		83		66		88		88		86	

Bolded varieties are not significantly different than highest yielding hybrids

LATE HYBRID - Coastal Plain		SUMMARY		Duplin		Greene		Robeson	
Company/Brand	Hybrid	Yield (bu/A)	Rank						
REV	28BHR18	181.3	1	157.7	1	216.0	1	162.2	1
Seed Consultants	SCS1168YHR	173.6	2	156.8	2	204.0	3	150.6	6
Seed Consultants	SCS1188YHR	166.5	3	130.2	6	208.4	2	157.1	3
REV	26BHR30	154.2	4	113.6	13	197.8	4	149.3	7
DeKalb	DKC67-44	153.7	5	138.2	4	184.2	10	128.2	24
DeKalb	DKC68-69	150.6	6	112.8	14	194.4	7	140.0	17
Armor	X9116	148.0	7	132.5	5	175.2	14	129.2	22
Progeny	PGY8116	147.8	8	112.1	15	194.4	6	126.9	25
Dyna-Gro	D57VC51	146.8	9	141.2	3	166.5	20	124.8	27
Progeny	PGY6119	146.5	10	126.0	9	173.2	16	138.8	18
Blue River Hybrids	74B75	145.3	11	93.9	25	197.5	5	143.1	12
Local Seed	LC1987	143.3	12	105.7	18	186.5	9	133.7	21
Local Seed	LC1795	142.8	13	124.8	11	165.6	21	138.2	19
AgriGold	A647-46VT2PRO	141.0	14	98.8	21	182.6	11	143.8	11
Pioneer	P1870YHR	139.9	15	96.1	23	189.5	8	128.4	23
Progeny	EXP1918	139.5	16	117.5	12	161.8	23	144.2	10
Local Seed	LC1776	139.3	17	106.0	17	168.8	17	150.7	5
DeKalb	DKC66-18	138.8	18	129.7	7	159.4	25	121.9	28
Croplan	5678	138.6	19	127.8	8	152.0	27	140.3	16
Progeny	PGY9117	136.5	20	96.4	22	174.6	15	142.1	14
Augusta	A1367	135.7	21	104.6	19	168.0	18	136.4	20
Dyna-Gro	D58VC65	134.1	22	125.4	10	150.4	28	125.5	26
Axis	67K27	133.1	23	95.6	24	165.1	22	146.8	8
Armor	A1778	132.9	24	102.1	20	161.3	24	141.1	15
Armor	A1688T	132.8	25	109.4	16	167.9	19	112.8	30
NK Brand	NK1808-3111	128.1	26	72.5	30	175.9	13	143.1	13
MorCorn	MC4725	125.3	27	91.7	27	144.7	30	158.6	2
Seedway	SW8109	124.9	28	75.0	29	176.9	12	119.9	29
Phoenix	7402A4	124.2	29	79.6	28	156.2	26	152.1	4
Augusta	A9967	123.4	30	91.8	26	146.2	29	145.4	9
Mean		142.3		112.2		175.5		139.2	
LSD (p=0.10)		21.8		22.3		18.1		27.3	
DF		58		66		88		66	

LATE HYBRID - Piedmont		SUMMARY		Rowan		Surry		Union	
Company/Brand	Hybrid	Yield (bu/A)	Rank						
DeKalb	DKC68-69	172.7	1	190.6	3	169.8	9	162.0	7
Dyna-Gro	D58VC65	171.6	2	158.6	27	186.7	1	150.5	14
Progeny	PGY9117	171.4	3	184.1	9	163.7	16	172.6	2
Local Seed	LC1776	169.8	4	187.4	5	168.8	10	156.3	10
Dyna-Gro	D57VC51	169.1	5	183.7	10	177.4	2	141.3	26
Seed Consultants	SCS1168YHR	169.0	6	182.9	11	175.7	4	144.5	20
Croplan	5678	168.0	7	169.6	22	173.2	5	154.1	12
Armor	A1778	167.6	8	175.7	17	173.0	6	149.3	17
Progeny	EXP1918	167.0	9	176.9	16	177.2	3	139.3	30
DeKalb	DKC66-18	166.8	10	180.2	13	164.3	15	158.6	9
Augusta	A1367	166.3	11	184.4	8	156.4	25	167.9	5
Progeny	PGY8116	166.2	12	186.1	6	155.4	26	168.1	4
DeKalb	DKC67-44	165.8	13	190.7	2	153.7	27	166.8	6
MorCorn	MC4725	165.4	14	178.6	15	165.9	12	152.0	13
Seed Consultants	SCS1188YHR	165.4	15	195.2	1	160.8	20	149.8	15
Phoenix	7402A4	165.3	16	173.7	18	171.7	8	144.8	18
Local Seed	LC1987	165.0	17	168.2	24	156.5	24	173.9	1
NK Brand	NK1808-3111	164.1	18	171.1	20	172.6	7	141.2	27
Pioneer	P1870YHR	163.9	19	185.7	7	166.1	11	141.9	23
REV	26BHR30	162.8	20	172.9	19	153.1	28	169.2	3
Augusta	A9967	162.3	21	167.9	25	165.3	14	149.6	16
Local Seed	LC1795	162.3	22	190.4	4	161.4	19	141.5	24
Armor	A1688T	160.9	23	149.4	29	163.0	17	161.2	8
Blue River Hybrids	74B75	160.3	24	170.8	21	165.4	13	140.7	28
Seedway	SW8109	159.4	25	168.9	23	162.3	18	144.3	21
AgriGold	A647-46VT2PRO	159.1	26	180.7	12	157.2	23	144.5	19
Progeny	PGY6119	159.1	27	179.8	14	159.7	21	140.7	29
Armor	X9116	156.5	28	166.9	26	159.3	22	141.3	25
REV	28BHR18	155.4	29	156.9	28	152.5	29	155.6	11
Axis	67K27	148.3	30	148.3	30	148.6	30	144.2	22
Mean		164.2		175.9		164.6		152.2	
LSD (p=0.10)		14.5		22.3		15.2		19.7	
DF		58		88		88		86	

LATE HYBRID - Tidewater		Beaufort		Pasquotank		Pamlico	
Company/Brand	Hybrid	Yield (bu/A)	Rank	Yield (bu/A)	Rank	Yield (bu/A)	Rank
Seed Consultants	SCS1168YHR	234.8	4	236.7	27	188.7	24
REV	28BHR18	240.3	1	252.7	7	203.0	9
Seed Consultants	SCS1188YHR	237.0	2	246.2	17	183.6	26
DeKalb	DKC68-69	235.5	3	236.9	26	200.0	16
REV	26BHR30	232.1	5	241.8	20	179.5	29
Croplan	5678	228.4	6	222.9	30	202.8	12
DeKalb	DKC67-44	219.6	14	238.6	25	211.6	5
Dyna-Gro	D58VC65	225.1	7	238.9	23	201.1	14
Progeny	PGY8116	220.9	11	254.2	5	199.5	18
Local Seed	LC1987	223.5	8	249.1	13	208.3	8
Local Seed	LC1776	219.0	15	270.2	1	226.7	1
Dyna-Gro	D57VC51	211.4	22	251.0	10	201.6	13
Pioneer	P1870YHR	222.3	10	260.6	2	195.2	21
Progeny	EXP1918	216.9	17	251.7	9	210.3	6
Local Seed	LC1795	219.8	13	254.2	6	212.0	4
Armor	A1778	217.6	16	244.1	18	188.9	23
Blue River Hybrids	74B75	214.9	18	246.3	16	203.0	11
Progeny	PGY9117	205.5	26	249.2	11	182.3	28
DeKalb	DKC66-18	209.6	25	243.0	19	209.0	7
MorCorn	MC4725	220.5	12	236.4	28	216.2	2
Progeny	PGY6119	210.7	24	259.2	3	213.4	3
AgriGold	A647-46VT2PRO	213.6	20	238.8	24	183.6	25
Armor	X9116	210.9	23	239.8	21	197.9	19
Armor	A1688T	214.4	19	229.3	29	203.0	10
Augusta	A1367	200.4	27	249.1	12	183.1	27
Augusta	A9967	213.5	21	247.5	14	200.1	15
Axis	67K27	222.5	9	247.2	15	197.7	20
NK Brand	NK1808-3111	191.4	29	252.0	8	175.4	30
Seedway	SW8109	195.4	28	255.8	4	199.8	17
Phoenix	7402A4	187.0	30	239.5	22	193.2	22
Mean		217.2		246.1		199.0	
LSD (p=0.10)		12.7		n/s		n/s	
DF		88		80		83	

Bolded varieties are not significantly different than highest yielding hybrids

Beaufort Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
REV	28BHR18	YGCB/HX1/RR2/LL	240.3	57.9	19.7	45.0
Seed Consultants	SCS1188YHR	Intrasect	237.0	58.2	19.8	46.3
DeKalb	DKC68-69	VT2P	235.5	58.0	19.0	39.0
Seed Consultants	SCS1168YHR	Intrasect	234.8	56.9	16.4	48.7
REV	26BHR30	YGCB/HX1/RR2/LL	232.1	58.3	19.3	39.0
Croplan	5678	VT2P	228.4	58.0	17.0	41.0
Dyna-Gro	D58VC65	VT2P	225.1	57.8	17.2	39.0
Local Seed	LC1987	VT2P	223.5	57.4	17.5	42.0
Axis	67K27	VT2P	222.5	57.6	18.3	39.7
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	222.3	58.0	19.6	37.7
Progeny	PGY8116	SmartStax	220.9	58.5	18.2	36.3
MorCorn	MC4725	VT2P	220.5	57.6	17.9	41.7
Local Seed	LC1795	VT2P	219.8	56.8	16.6	39.3
DeKalb	DKC67-44	VT2P	219.6	58.1	17.6	40.7
Local Seed	LC1776	VT2P	219.0	57.6	18.0	40.7
Armor	A1778	VT2P/ASR	217.6	58.1	17.4	38.3
Progeny	EXP1918	VT2P	216.9	56.7	16.0	37.3
Blue River Hybrids	74B75	Conventional	214.9	53.0	16.8	41.0
Armor	A1688T	TRECEPTA	214.4	58.9	16.5	42.7
AgriGold	A647-46VT2PRO	VT2P	213.6	58.3	17.6	40.7
Augusta	A9967	3000GT	213.5	51.6	16.2	45.3
Dyna-Gro	D57VC51	VT2P	211.4	57.9	17.5	39.7
Armor	X9116	VT2P	210.9	57.1	17.2	38.7
Progeny	PGY6119	VT2P	210.7	58.8	18.4	38.3
DeKalb	DKC66-18	VT2P	209.6	56.3	15.6	37.0
Progeny	PGY9117	VT2P	205.5	58.1	18.1	39.3
Augusta	A1367	Duracade	200.4	54.1	17.9	44.3
Seedway	SW8109	Agrisure 3000GT	195.4	54.8	18.7	44.3
NK Brand	NK1808-3111	Agrisure 3111	191.4	55.3	18.1	41.7
Phoenix	7402A4	VT2P	187.0	55.0	18.5	42.0

Bolded varieties are not statistically different from the highest yielding variety

Duplin Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
REV	28BHR18	YGCB/HX1/RR2/LL	157.7	54.7	22.4	33.0
Seed Consultants	SCS1168YHR	Intrasect	156.8	55.6	20.0	37.0
Dyna-Gro	D57VC51	VT2P	141.2	54.9	19.7	29.7
DeKalb	DKC67-44	VT2P	138.2	54.1	20.9	28.0
Armor	X9116	VT2P	132.5	54.6	19.9	32.0
Seed Consultants	SCS1188YHR	Intrasect	130.2	54.3	21.8	34.3
DeKalb	DKC66-18	VT2P	129.7	55.1	20.6	30.0
Croplan	5678	VT2P	127.8	54.7	19.0	29.7
Progeny	PGY6119	VT2P	126.0	54.5	21.0	24.7
Dyna-Gro	D58VC65	VT2P	125.4	54.5	19.5	28.3
Local Seed	LC1795	VT2P	124.8	52.6	19.1	29.3
Progeny	EXP1918	VT2P	117.5	53.9	20.1	28.7
REV	26BHR30	YGCB/HX1/RR2/LL	113.6	54.0	22.2	35.7
DeKalb	DKC68-69	VT2P	112.8	53.7	22.1	30.7
Progeny	PGY8116	SmartStax	112.1	55.5	21.4	32.7
Armor	A1688T	TRECEPTA	109.4	55.6	18.8	30.0
Local Seed	LC1776	VT2P	106.0	55.8	20.0	29.0
Local Seed	LC1987	VT2P	105.7	53.8	21.2	30.3
Augusta	A1367	Duracade	104.6	50.3	22.7	34.3
Armor	A1778	VT2P/ASR	102.1	54.8	19.4	29.3
AgriGold	A647-46VT2PRO	VT2P	98.8	56.9	20.9	31.3
Progeny	PGY9117	VT2P	96.4	55.0	19.2	28.7
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	96.1	53.6	22.4	28.0
Axis	67K27	VT2P	95.6	56.6	20.5	33.3
Blue River Hybrids	74B75	Conventional	93.9	52.1	19.9	30.3
Augusta	A9967	3000GT	91.8	51.3	21.8	35.0
MorCorn	MC4725	VT2P	91.7	56.5	20.2	27.7
Phoenix	7402A4	VT2P	79.6	50.3	22.8	34.7
Seedway	SW8109	Agrisure 3000GT	75.0	50.8	24.5	28.3
NK Brand	NK1808-3111	Agrisure 3111	72.5	50.2	23.7	36.0
		Mean	112.2	54.0	20.9	31.0
		CV	18.6			
		Avg LSD (p=0.10)	22.3			
		DF	66			
		Avg SEM	10.4			

Greene Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
REV	28BHR18	YGCB/HX1/RR2/LL	216.0	53.9	19.1	37.3
Seed Consultants	SCS1188YHR	Intrasect	208.4	53.2	19.8	37.3
Seed Consultants	SCS1168YHR	Intrasect	204.0	53.5	17.3	38.7
REV	26BHR30	YGCB/HX1/RR2/LL	197.8	55.7	20.0	37.0
Blue River Hybrids	74B75	Conventional	197.5	50.2	16.8	34.7
Progeny	PGY8116	SmartStax	194.4	55.8	19.1	33.3
DeKalb	DKC68-69	VT2P	194.4	54.4	18.8	32.0
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	189.5	54.0	19.3	34.7
Local Seed	LC1987	VT2P	186.5	53.2	19.5	33.0
DeKalb	DKC67-44	VT2P	184.2	54.2	19.6	31.7
AgriGold	A647-46VT2PRO	VT2P	182.6	54.7	18.1	33.0
Seedway	SW8109	Agrisure 3000GT	176.9	51.2	18.7	32.3
NK Brand	NK1808-3111	Agrisure 3111	175.9	52.0	18.8	33.0
Armor	X9116	VT2P	175.2	53.1	15.6	32.7
Progeny	PGY9117	VT2P	174.6	55.9	16.4	27.7
Progeny	PGY6119	VT2P	173.2	54.2	19.1	28.0
Local Seed	LC1776	VT2P	168.8	55.1	16.1	33.0
Augusta	A1367	Duracade	168.0	50.9	17.4	31.3
Armor	A1688T	TRECEPTA	167.9	55.7	16.5	31.3
Dyna-Gro	D57VC51	VT2P	166.5	54.8	15.9	29.3
Local Seed	LC1795	VT2P	165.6	52.9	16.2	26.3
Axis	67K27	VT2P	165.1	55.5	15.8	33.0
Progeny	EXP1918	VT2P	161.8	52.9	16.2	24.0
Armor	A1778	VT2P/ASR	161.3	55.3	16.1	30.7
DeKalb	DKC66-18	VT2P	159.4	54.8	16.6	28.7
Phoenix	7402A4	VT2P	156.2	51.5	19.2	34.3
Croplan	5678	VT2P	152.0	55.2	16.0	29.7
Dyna-Gro	D58VC65	VT2P	150.4	55.1	15.7	31.7
Augusta	A9967	3000GT	146.2	49.6	16.0	31.3
MorCorn	MC4725	VT2P	144.7	54.6	20.4	30.7
		Mean	175.5	53.8	17.7	32.1
		CV	11.4			
		Avg LSD (p=0.10)	18.1			
		DF	88			
		Avg SEM	10.0			

Pamlico Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)
Local Seed	<u>LC1776</u>	VT2P	226.7	56.7	16.5
MorCorn	<u>MC4725</u>	VT2P	216.2	56.5	17.8
Progeny	<u>PGY6119</u>	VT2P	213.4	57.2	18.0
Local Seed	LC1795	VT2P	212.0	55.4	18.0
DeKalb	<u>DKC67-44</u>	VT2P	211.6	58.1	16.5
Progeny	EXP1918	VT2P	210.3	57.0	18.4
DeKalb	<u>DKC66-18</u>	VT2P	209.0	56.3	17.5
Local Seed	LC1987	VT2P	208.3	57.0	17.6
REV	<u>28BHR18</u>	YGCB/HX1/RR2/LL	203.0	56.0	17.4
Armor	<u>A1688T</u>	TRECEPTA	203.0	56.1	16.9
Blue River Hybrids	<u>74B75</u>	Conventional	203.0	57.5	17.4
Croplan	5678	VT2P	202.8	58.1	17.0
Dyna-Gro	<u>D57VC51</u>	VT2P	201.6	57.5	18.0
Dyna-Gro	<u>D58VC65</u>	VT2P	201.1	55.5	16.7
Augusta	<u>A9967</u>	3000GT	200.1	56.3	18.2
DeKalb	<u>DKC68-69</u>	VT2P	200.0	56.9	18.2
Seedway	<u>SW8109</u>	Agrisure 3000GT	199.8	56.2	18.2
Progeny	<u>PGY8116</u>	SmartStax	199.5	57.2	16.6
Armor	X9116	VT2P	197.9	56.9	17.8
Axis	<u>67K27</u>	VT2P	197.7	56.4	17.7
Pioneer	<u>P1870YHR</u>	YGCB/HX1/RR2/LL	195.2	57.6	17.1
Phoenix	<u>7402A4</u>	VT2P	193.2	53.5	16.6
Armor	<u>A1778</u>	VT2P/ASR	188.9	57.4	17.6
Seed Consultants	<u>SCS1168YHR</u>	Intrasect	188.7	56.8	17.6
AgriGold	<u>A647-46VT2PRO</u>	VT2P	183.6	57.2	18.6
Seed Consultants	<u>SCS1188YHR</u>	Intrasect	183.6	55.8	16.5
Augusta	<u>A1367</u>	Duracade	183.1	53.9	17.4
Progeny	<u>PGY9117</u>	VT2P	182.3	57.0	17.3
REV	26BHR30	YGCB/HX1/RR2/LL	179.5	57.9	16.9
NK Brand	<u>NK1808-3111</u>	Agrisure 3111	175.4	57.7	18.2
		Mean	199.0	56.6	17.5
		CV	12.0		
		Avg LSD (p=0.10)	n/s		
		DF	83		
		Avg SEM	11.9		
Bolded varieties are not statistically different from the highest yielding variety					

Pasquotank Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Local Seed	LC1776	VT2P	270.2	56.2	20.5	46.3
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	260.6	56.6	20.6	43.3
Progeny	PGY6119	VT2P	259.2	55.8	21.0	46.3
Seedway	SW8109	Agrisure 3000GT	255.8	54.2	20.6	48.3
Progeny	PGY8116	SmartStax	254.2	54.9	20.6	49.0
Local Seed	LC1795	VT2P	254.2	54.1	21.1	45.3
REV	28BHR18	YGCB/HX1/RR2/LL	252.7	54.8	21.4	52.3
NK Brand	NK1808-3111	Agrisure 3111	252.0	56.5	20.5	46.7
Progeny	EXP1918	VT2P	251.7	55.8	20.5	43.0
Dyna-Gro	D57VC51	VT2P	251.0	56.3	20.0	45.0
Progeny	PGY9117	VT2P	249.2	56.6	20.3	48.3
Augusta	A1367	Duracade	249.1	54.3	20.6	46.0
Local Seed	LC1987	VT2P	249.1	54.3	20.5	48.0
Augusta	A9967	3000GT	247.5	55.8	20.4	45.0
Axis	67K27	VT2P	247.2	56.2	21.2	43.0
Blue River Hybrids	74B75	Conventional	246.3	55.4	21.2	48.0
Seed Consultants	SCS1188YHR	Intrasect	246.2	56.1	20.8	45.3
Armor	A1778	VT2P/ASR	244.1	53.5	20.7	47.0
DeKalb	DKC66-18	VT2P	243.0	54.9	20.1	46.3
REV	26BHR30	YGCB/HX1/RR2/LL	241.8	56.0	20.8	46.3
Armor	X9116	VT2P	239.8	55.1	20.4	45.7
Phoenix	7402A4	VT2P	239.5	55.0	20.6	45.3
Dyna-Gro	D58VC65	VT2P	238.9	56.0	21.0	48.3
AgriGold	A647-46VT2PRO	VT2P	238.8	56.1	20.1	45.3
DeKalb	DKC67-44	VT2P	238.6	55.2	20.1	48.0
DeKalb	DKC68-69	VT2P	236.9	53.7	20.8	45.0
Seed Consultants	SCS1168YHR	Intrasect	236.7	55.0	20.8	44.7
MorCorn	MC4725	VT2P	236.4	55.7	21.3	46.7
Armor	A1688T	TRECEPTA	229.3	55.2	20.8	46.0
Cronlan	5678	VT2P	222.9	53.8	19.1	43.7

Bolded varieties are not statistically different from the highest yielding variety

Robeson Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)
REV	<u>28BHR18</u>	YGCB/HX1/RR2/LL	162.2	56.7	19.8
MorCorn	<u>MC4725</u>	VT2P	158.6	56.3	18.1
Seed Consultants	<u>SCS1188YHR</u>	Intrasect	157.1	56.6	18.7
Phoenix	<u>7402A4</u>	VT2P	152.1	54.2	18.1
Local Seed	<u>LC1776</u>	VT2P	150.7	56.4	17.2
Seed Consultants	<u>SCS1168YHR</u>	Intrasect	150.6	57.1	16.7
REV	26BHR30	YGCB/HX1/RR2/LL	149.3	58.4	18.8
Axis	<u>67K27</u>	VT2P	146.8	56.8	18.8
Augusta	<u>A9967</u>	3000GT	145.4	52.1	15.3
Progeny	EXP1918	VT2P	144.2	55.9	18.1
AgriGold	<u>A647-46VT2PRO</u>	VT2P	143.8	56.3	19.0
Blue River Hybrids	<u>74B75</u>	Conventional	143.1	52.1	17.7
NK Brand	<u>NK1808-3111</u>	Agrisure 3111	143.1	53.9	17.2
Progeny	<u>PGY9117</u>	VT2P	142.1	56.9	16.6
Armor	<u>A1778</u>	VT2P/ASR	141.1	56.5	17.7
Croplan	5678	VT2P	140.3	56.1	17.7
DeKalb	<u>DKC68-69</u>	VT2P	140.0	56.4	19.9
Progeny	<u>PGY6119</u>	VT2P	138.8	55.7	19.5
Local Seed	LC1795	VT2P	138.2	56.0	18.4
Augusta	<u>A1367</u>	Duracade	136.4	52.4	16.2
Local Seed	LC1987	VT2P	133.7	55.5	20.4
Armor	X9116	VT2P	129.2	55.2	18.7
Pioneer	<u>P1870YHR</u>	YGCB/HX1/RR2/LL	128.4	56.2	19.2
DeKalb	<u>DKC67-44</u>	VT2P	128.2	55.6	20.6
Progeny	<u>PGY8116</u>	SmartStax	126.9	56.9	19.8
Dyna-Gro	<u>D58VC65</u>	VT2P	125.5	56.9	17.1
Dyna-Gro	<u>D57VC51</u>	VT2P	124.8	56.6	17.5
DeKalb	<u>DKC66-18</u>	VT2P	121.9	55.8	18.8
Seedway	<u>SW8109</u>	Agrisure 3000GT	119.9	54.0	18.8
Armor	<u>A1688T</u>	TRECEPTA	112.8	58.9	17.4
Mean			139.2	55.8	18.2
CV			20.9		
Avg LSD (p=0.10)			27.3		
DF			66		
Avg SEM			14.6		
Bolded varieties are not statistically different from the highest yielding variety					

Rowan Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Seed Consultants	SCS1188YHR	Intrasect	195.2	58.9	14.4	44.3
DeKalb	DKC67-44	VT2P	190.7	58.3	14.7	48.7
DeKalb	DKC68-69	VT2P	190.6	60.4	16.0	46.3
Local Seed	LC1795	VT2P	190.4	59.5	16.3	49.3
Local Seed	LC1776	VT2P	187.4	58.0	13.9	44.7
Progeny	PGY8116	SmartStax	186.1	57.3	14.7	48.7
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	185.7	59.9	15.1	44.7
Augusta	A1367	Duracade	184.4	56.6	14.8	51.0
Progeny	PGY9117	VT2P	184.1	59.8	15.2	46.0
Dyna-Gro	D57VC51	VT2P	183.7	59.4	15.1	47.0
Seed Consultants	SCS1168YHR	Intrasect	182.9	58.5	15.0	49.7
AgriGold	A647-46VT2PRO	VT2P	180.7	60.1	15.0	47.3
DeKalb	DKC66-18	VT2P	180.2	59.0	13.7	46.0
Progeny	PGY6119	VT2P	179.8	59.2	14.8	45.7
MorCorn	MC4725	VT2P	178.6	59.7	14.3	45.7
Progeny	EXP1918	VT2P	176.9	59.5	15.2	45.7
Armor	A1778	VT2P/ASR	175.7	59.5	14.8	33.3
Phoenix	7402A4	VT2P	173.7	58.8	15.9	46.3
REV	26BHR30	YGCB/HX1/RR2/LL	172.9	59.7	15.0	48.0
NK Brand	NK1808-3111	Agrisure 3111	171.1	56.8	16.0	49.7
Blue River Hybrids	74B75	Conventional	170.8	57.9	14.6	45.7
Croplan	5678	VT2P	169.6	59.5	13.1	46.3
Seedway	SW8109	Agrisure 3000GT	168.9	59.7	14.1	46.0
Local Seed	LC1987	VT2P	168.2	58.8	14.6	46.3
Augusta	A9967	3000GT	167.9	57.7	14.7	47.3
Armor	X9116	VT2P	166.9	58.9	13.7	44.3
Dyna-Gro	D58VC65	VT2P	158.6	59.4	14.9	47.3
REV	28BHR18	YGCB/HX1/RR2/LL	156.9	58.7	14.5	46.0
Armor	A1688T	TRECEPTA	149.4	58.9	12.7	46.7
Axis	67K27	VT2P	148.3	59.9	15.8	44.7
			Mean	175.9	58.9	14.7
			CV	12.2		
			Avg LSD (p=0.10)	22.3		
			DF	88		
			Avg SEM	10.7		

Surry Co Late Hybrids - 2019

Company/Brand	Hybrid	Trait	Yield (bu/A)	Test Weight (lb/bu)	Moisture(%)	Ear Height (in)
Dyna-Gro	D58VC65	VT2P	186.7	60.0	19.7	50.7
Dyna-Gro	D57VC51	VT2P	177.4	59.4	19.6	51.7
Progeny	EXP1918	VT2P	177.2	59.3	19.4	49.7
Seed Consultants	SCS1168YHR	Intrasect	175.7	60.0	19.8	58.3
Croplan	5678	VT2P	173.2	59.6	20.2	51.3
Armor	A1778	VT2P/ASR	173.0	60.2	19.4	50.3
NK Brand	NK1808-3111	Agrisure 3111	172.6	59.5	19.7	53.0
Phoenix	7402A4	VT2P	171.7	59.7	19.3	49.7
DeKalb	DKC68-69	VT2P	169.8	59.8	19.6	56.3
Local Seed	LC1776	VT2P	168.8	59.1	19.9	53.7
Pioneer	P1870YHR	YGCB/HX1/RR2/LL	166.1	60.0	20.3	52.0
MorCorn	MC4725	VT2P	165.9	59.7	19.8	55.7
Blue River Hybrids	74B75	Conventional	165.4	58.6	19.8	55.7
Augusta	A9967	3000GT	165.3	59.1	19.3	53.3
DeKalb	DKC66-18	VT2P	164.3	59.0	19.4	51.3
Progeny	PGY9117	VT2P	163.7	59.7	20.4	52.3
Armor	A1688T	TRECEPTA	163.0	59.4	19.8	54.3
Seedway	SW8109	Agrisure 3000GT	162.3	59.5	20.3	52.3
Local Seed	LC1795	VT2P	161.4	59.1	19.4	47.3
Seed Consultants	SCS1188YHR	Intrasect	160.8	58.7	20.1	55.3
Progeny	PGY6119	VT2P	159.7	59.3	20.4	49.7
Armor	X9116	VT2P	159.3	59.4	19.9	52.0
AgriGold	A647-46VT2PRO	VT2P	157.2	59.4	20.9	55.7
Local Seed	LC1987	VT2P	156.5	60.0	19.6	55.7
Augusta	A1367	Duracade	156.4	58.9	20.1	60.7
Progeny	PGY8116	SmartStax	155.4	59.9	19.8	52.7
DeKalb	DKC67-44	VT2P	153.7	58.9	20.2	47.7
REV	26BHR30	YGCB/HX1/RR2/LL	153.1	59.9	20.1	54.7
REV	28BHR18	YGCB/HX1/RR2/LL	152.5	59.3	19.5	55.3
Axis	67K27	VT2P	148.6	60.1	20.3	51.3
		Mean	164.6	59.5	19.8	53.0
		CV	8.1			
		Avg LSD (p=0.10)	15.2			
		DF	88			
		Avg SEM	6.6			

Bolded varieties are not statistically different from the highest yielding variety

Union Co Late Hybrids - 2019

2019 NC OVT Corn sponsors

AgriGold Justin Warren justin.warren@agrigold.com (800) 262-7333	Hybrid	Trait	RM (days)
	A644-32TRCRIB	TRECEPTA	114
	A6544VT2RIB	VT2PRIB	113
	A647-46VT2PRO	VT2P	117
Armor Seed Jay Middleton jaymiddleton@armorseed.com (270) 832-2133	A1118	VT2P	111
	A1299	VT2P	112
	X9115	VT2P/ASR	115
	A1688T	TRECEPTA	116
	A1778	VT2P/ASR	116
	X9116	VT2P	117
Augusta Matt Rawley matt.rawley@augustaseed.com (540) 886-6055	A1059	3110GT	109
	A4559	3110GT	109
	A4959	3110GT	109
	A4463	VT2P	113
	A1165	VT2P	115
	A4465	3110GT	115
	A4565	Duracade	115
	A1367	Duracade	117
	A9967	3000GT	117
Axis William Simmons billy@tidewaterseed.com (410) 829-9337	65D28	VT2P	115
	67K27	VT2P	117
BH Genetics Travis Janak travisj@bhgenetics.com (361) 771-8722	XP 8509TRE	TRECEPTA	114
	BH8721	VT2P	115
	BH8737	VT2P	115
Blue River Hybrids Ruth McCabe ruth@blueriverorgseed.com (515) 239-5925	66G25	Conventional	111
	70N16	Conventional	114
	74B75	Conventional	116
CROPLAN Gardner Smith gcsmith@landolakes.com (252) 943-5959	5340	VT2P	113
	5678	VT2P	116
DeKalb Zack Webb zachary.webb@bayer.com (252) 230-1097	DKC61-41RIB	GENVT2PRIB	111
	DKC63-57RIB	GENVT2PRIB	113
	DKC65-99	TRECEPTA	115
	DKC66-18	VT2P	116
	DKC67-44	VT2P	117
	DKC68-69	VT2P	118
	DKC69-16	GENSS	119
Dyna-Gro Rick Strecker rick.strecker@nutrien.com (252) 339-2615	D50VC30	VT2P	109
	D52VC63	VT2P	112
	D54VC14	VT2P	114
	D55VC45	VT2P	115
	D55VC80	VT2P	115
	D57VC51	VT2P	117
	D58VC65	VT2P	118

Local Seed Doug Messersmith Doug.Messersmith@localseed.com (570) 419-3692	Hybrid	Trait	RM (days)
LC0877	VT2PRIB	108	
LC0978	VT2PRIB	109	
ZS1098	3330EZ	109	
LC1289	VT2PRIB	112	
LC1398	VT2P	113	
LC1488	VT2PRIB	114	
LC1577	VT2PRIB	115	
LC1586TC	TRECEPTA	115	
LC1776	VT2P	117	
LC1795	VT2P	117	
LC1987	VT2P	119	
Masters Choice Kyle Vosburgh kyle@seedcorn.com (618) 697-7031	MCT6552	Viptera 3110	115
	MCT6653	3000GT	116
	667U	3220 EZ-Refuge	117
MorCorn Joe Napier jlnapier@seedkoz.net (478) 957 9865	MC4255	VT2P	112
	MC4319	VT2P	113
	MC4725	VT2P	117
NK Brand Mark Mattingly mark.mattingly@syngenta.com (717) 951-2730	NK1205-3120	Agrisure 3120	112
	NK1354-3220	Agrisure 3220	113
	NK1573-3330	Agrisure 3330	115
	NK1694-3111	Agrisure 3111	116
	NK1808-3111	Agrisure 3111	118
Phoenix Joe Napier jlnapier@seedkoz.net (478) 957 9865	6507A3	Agrisure 3000GT	115
	7402A4	VT2P	118
Pioneer Aaron Alexander aaron.alexander@pioneer.com (919) 302-7022	P1197YHR	YGCB/HX1/RR2/LL	111
	P1870YHR	YGCB/HX1/RR2/LL	118
	P2089AMX	AMX/LL/RR2	120
Progeny John Rocconi JohnR@progenyag.com (979) 587-9968	EXP1808	VT2P	108
	EXP1712	SmartStax	112
	EXP1912	VT2P	112
	PGY9114	VT2P	114
	EXP1815	VT2P/DroughtGuard	115
	PGY8116	SmartStax	116
	PGY9117	VT2P	117
	EXP1918	VT2P	118
	PGY6119	VT2P	119
REV Marty Hale mhale@terralseed.com (318) 341-8814	19F97SX	LL/RR2/SmartStax	109
	23F47SX	LL/RR2/SmartStax	113
	24BHR99	YGCB/HX1/RR2/LL	114
	24BHR70	YGCB/HX1/RR2/LL	114
	25BHR26	YGCB/HX1/RR2/LL	115
	25BHR80	YGCB/HX1/RR2/LL	115
	25BHR89	RR2/LH/YGCB	115
	25F86PWE	LL/RR2/Enlist/Powecore	115
	26BHR30	YGCB/HX1/RR2/LL	116
	26F87SX	LL/RR2/SmartStax	116
	27F95PWE	LL/RR2/Enlist/Powecore	117
	28BHR18	YGCB/HX1/RR2/LL	118
Seed Consultants Bill McDonald bill.mcdonald@seedconsultants.com (740) 837-0364	EX-SC110YHR	Intrasect	110
	SCS1087YHR	Intrasect	108
	SCS1139AM	AcreMax	113
	SCS1158YHR	Intrasect	115
	SCS1168YHR	Intrasect	116
	SCS1188YHR	Intrasect	118
Seedway Dave Galer dgaler@seedway.com (570) 412-0473	SW6540	VT2P	108
	SW6790	VT2PRIB	113
	SW7560	VT2PRIB	115
	SW8109	Agrisure 3000GT	117

Beaufort County

- **Grower Cooperator:** Harold Smith, Belhaven, NC
- **Extension Cooperator:** Rod Gurganus, Agricultural Extension Director

Duplin County

- **Grower Cooperator:** Henry Dail, Kenansville, NC
- **Extension Cooperator:** Della King, Agricultural Extension Agent

Greene County

- **Grower Cooperator:** Shea McLawhorn, Hookerton, NC
- **Extension Cooperator:** Grayson Wells, Agricultural Extension Agent

Pamlico County

- **Grower Cooperator:** Derek Potter, Grantsboro, NC
- **Extension Cooperator:** Daniel Simpson, Agricultural Extension Director

Pasquotank County

- **Grower Cooperator:** Michael Gray, Elizabeth City, NC
- **Extension Cooperator:** Al Wood, Agricultural Extension Agent

Robeson County

- **Grower Cooperator:** Z.V. Pate Farms, Laurinburg, NC
- **Extension Cooperator:** Mac Malloy, Agricultural Extension Agent

Rowan County

- **Grower Cooperator:** Piedmont Research Station, Salisbury, NC
- **Extension Cooperator:** Morgan Watts, Agricultural Extension Agent

Surry County

- **Grower Cooperator:** Johnson Farm Operations, Mount Airy, NC
- **Extension Cooperator:** Tim Hambrick, Agricultural Extension Agent

Union County

- **Grower Cooperator:** A.L. Baucom Family Farms, Monroe, NC
- **Extension Cooperator:** Andrew Baucom, Agricultural Extension Director