

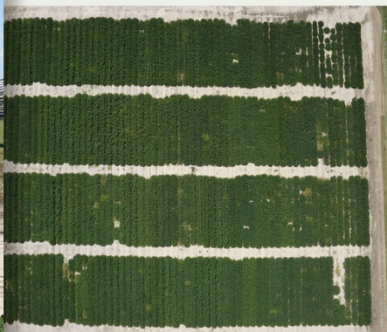
2016

Peanut Variety and Quality Evaluation Results

I. Agronomic and Grade Data

Tidewater Agricultural Research and Extension Center

Virginia Agricultural Experiment Station



**Virginia
Cooperative
Extension**

Virginia Tech
Virginia State University

 **VirginiaTech.**
Virginia Agricultural
Experiment Station

PEANUT VARIETY AND QUALITY EVALUATION RESULTS 2016

I. Agronomic and Grade Data

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ABBREVIATIONS

% Loose Shelled Kernels (%LSK), percent of kernels or portions of kernels free from hulls and scattered throughout the pod sample.

% Foreign Material (%FM), percent of anything other than mature pods found in the sample, including dirt, vines, sticks, stones, insects, broken shells, and raisins (immature pods with shriveled and shrunken shells that cannot be mechanically shelled).

% Moisture, percent kernel moisture at grading, as determined by an electronic moisture meter.

% Fancy, percent pods that ride the 34/64 inch spacing set on the pre-sizer.

% Extra Large Kernels (%ELK), percent kernels which ride a 21.5/64 x 1 inch slotted screen.

% Sound Splits (%SS), percent split or broken kernels which are not damaged. Portions less than 1/4 of a whole kernel are not included but go into other kernels.

% Damaged Kernels (%DK), percent moldy and decayed kernels, or with skin and flesh discoloration due to insects and weather damage.

% Other Kernels (%OK), percent kernels passing through a 15/64 x 1 inch slotted screen. Splits and broken pieces, 1/4 kernel or larger which pass through this screen are considered SS or DK depending upon their condition.

% Sound Mature Kernels (%SMK), percent whole kernels which ride a 15/64 x 1 inch slotted screen.

Splits that ride this screen are included as SS or DK, as the case may be.

% Total Kernels, percent all kernels in the shelling sample including SMK, SS, OK, and DK.

Support Price (\$/cwt), price based on a standard loan price (\$357.79 per ton for Virginia-type and \$354.86 per ton for runner-type peanut) taking the various grade factors into consideration.

Yield (lb/A), plot weights converted to an acre basis. All yields are adjusted to a standard 7% moisture with %FM deducted.

Value (\$/A), crop value computed by the following formula:

$$\text{Value} = (\text{Yield} * \text{Price})$$

Support Price (\$/cwt), crop price computed by the following formulas:

$$\text{Virginia-type} = (((\text{SMK} + \text{SS}) * 4.906) + (\text{OK} * 1.4))/2000 + (((\text{ELK} + \text{SXL}) * 0.35)/2000)$$

$$\text{Runner-type} = (((\text{SMK} + \text{SS}) * 4.810) + (\text{OK} * 1.4))/2000$$

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Introduction

INTRODUCTION

Due to suitability to the environmental conditions and existence of a strong peanut industry tailored to process primarily the large-seeded Virginia-type peanut, growers in Virginia, North Carolina, and South Carolina generally grow Virginia-type cultivars. In the view of a common interest in the Virginia-type peanut, the three states are working together through a multi-state project, the Peanut Variety Quality Evaluation (PVQE), to evaluate advanced breeding lines and commercial cultivars throughout their production regions. The objectives of this project are: 1) to determine yield, grade, quality, and disease response of commercial cultivars and advanced breeding lines at various locations in Virginia and the Carolinas, 2) develop a database for Virginia-type peanut to allow research-based selection of the best genotypes by growers, industry, and the breeding programs, and 3) to identify the most suited peanut genotypes for various regions that can be developed into varieties. This report contains agronomic and grade data of the PVQE tests in 2016.



Plant Material and Test Locations

PLANT MATERIAL AND TEST LOCATIONS

In 2016, PVQE included 25 genotypes: 4 commercial varieties and 21 advanced breeding lines developed by the North Carolina State University peanut breeding program (Table 1). All breeding lines have the ‘high oleic acid’ characteristic and they are marked by ‘ol’ letters in their names; the commercial cultivars are conventional for this trait with the exception of Sullivan and Wynne. Genotypes were planted from May 10 through 27 at five locations: at the Tidewater AREC in Suffolk, VA, Martin Co., NC, the Upper Coastal Plain Research Station (UCPRS) near Rocky Mount, NC, Bladen County, NC, and the Edisto Research and Education Center at Blackville, SC. At Suffolk and Martin two digging dates and two replications within each digging date were planted in a 5×5 lattice design (Table 2). The first digging date was approximately two weeks earlier than the optimum harvest date (the second digging date in this test). This setting allows identification of early maturing varieties. At the UCPRS and Bladen County, only one digging date (optimum) replicated twice at each site were planted. At the Edisto Research and Education Center, additional cultivars were used. For all locations, cultivars were compared with the breeding lines for yield and grading characteristics as the ultimate objective is development of improved Virginia-type peanut cultivars.



Plant Material and Test Locations

PLANT MATERIAL AND TEST LOCATIONS

Table 1. Names and parentage of the genotypes (advanced breeding lines and commercial varieties) evaluated in 2016.

Genotype Number	Variety or Line	Parentage
1	Bailey	NC 12C*2 / N96076L
2	Sugg	Gregory // X98006 (F1)
3	Sullivan	Bailey / X03034 (F01)
4	Wynne	N03079FT / X03034(F01)
5	08X09-3-14-1	
6	09X38-1-5-1	
7	09X39-1-11-2	
8	N10046ol	Emery
9	N11020olJ	X0314 (BC1F1-01-03-01:F04) / N03084FT
10	N11028ol	X03151 (BC1F1-05-02-S-04:F05) / Sugg
11	N12006ol	Bailey / X07015 (BC2F1-01:F01)
12	N12007ol	Bailey / X07016 (BC2F1-04:F01)
13	N12008olCLSmT	Bailey / X07016 (BC2F1-04:F01)
14	N12009olCLT	Bailey / X07016 (BC2F1-04:F01)
15	N12010ol	Bailey / X07016 (BC2F1-04:F01)
16	N12014ol	Bailey / X07018 (BC2F1-07:F01)
17	N12015ol	Bailey / X07018 (BC2F1-07:F01)
18	N13003olF	Bailey / X05027 (F01)
19	N13006ol	Bailey / X05027 (F01)
20	N13048+ol	X03155 (ol ol, BC1F1-04-01-S-04-S-01:F09) / N05044FCSm
21	N13049olJ	X03155 (ol ol, BC1F1-04-01-S-04-S-01:F09) / N05044FCSm
22	N13054ol	X03155 (ol ol, BC1F1-04-01-S-04-S-01:F09) / N05049J
23	N13057olL	X03155 (ol ol, BC1F1-04-01-S-04-S-01:F09) / N05049J
24	N13058olSm	X03157 (ol ol, BC1F1-04-01-S-04-S-05:F09) / GP-NC WS 16 (SPT06-06)
25	N14035olSmT	Sullivan / X09006 (F01)

Plant Material and Test Locations

Table 2. Planting, digging and combining dates for each test location in 2016. Dig I was considered an early digging, and Dig II and optimum digging time for peanut in V-C area.

Locations	Planting Date		Digging Date		Harvest Date	
	I	II	I	II	I	II
Tidewater AREC, Suffolk, VA	May 19	May 19	Oct. 6	Oct. 15	Oct. 15	Oct. 25
Martin County, NC	May 27	May 27	Oct. 18	Oct. 26	Oct. 26	Nov. 1
Rocky Mount, NC	May 16		Sept. 27		Oct. 6	
Bladen County, NC	May 11		Sept. 27		Oct. 5	
Blackville, SC	May 10		Sept. 27		Oct. 3	

Weather Conditions

WEATHER CONDITIONS

Weather information is provided in Tables 3 through 6.

Table 3. Temperature of air and soil at 4 inches depth, peanut heat units (degree day – DD56) calculated based on a 56 °F temperature base (T_b), and precipitation at Tidewater AREC, Suffolk VA, in 2016 peanut growing season. These data are provided by the Peanut/Cotton InfoNet of Tidewater AREC from 1 May to 31 October.

Month	AVG Air Temp	Max Air Temp	Min Air Temp	AVG Soil Temp	Heat units DD56	Rain
			°F		°F d	inch
May	66	76	57	68	324	8.3
June	75	86	65	76	576	3.5
July	81	91	72	82	766	8.5
August	80	91	70	82	735	2.5
September	74	84	67	75	550	12.2
October	63	76	53	66	268	10.2
Mean/Sum	73	84	64	75	3219	45.2

Weather Conditions

Table 4. Temperature of air and soil at 4 inches depth, light (photosynthetic active radiation - PAR), air relative humidity (RH), and precipitation at Martin County, NC, in 2016 peanut growing season. These data are provided by the State Climate Office of NC from 1 May to 31 October.

Month	AVG Air Temp	Max Air Temp	Min Air Temp	AVG Soil Temp	Heat units DD56	AVG PAR ¹	Max PAR ¹	RH	Rain
	°F				°F d	μmol m ⁻² s ⁻¹		%	inch
May	68	76	60	72	369	464	2215	74	3.7
June	75	86	66	82	594	570	2308	71	4.2
July	80	90	71	87	766	568	2309	79	8.4
August	79	90	71	89	760	517	2358	77	2.4
September	74	83	67	80	569	344	1903	81	17.1
October	64	75	54	69	257	333	1532	76	10.9
Mean/Sum	73	83	65	80	3314	466	2104	76	46.6

¹ Light is important for peanut growth and development. On a fully sunny day, maximum PAR approaches 2500 μmol m⁻² s⁻¹ and average PAR (average from sunrise to sunset) is approximately 600 μmol m⁻² s⁻¹. If these numbers are less, it denotes cloudy days, on which plants grow less.

Weather Conditions

Table 5. Temperature of air and soil at 4 inches depth, peanut heat units (degree day – DD56) calculated based on a 56 °F temperature base (T_b), light (photosynthetic active radiation – PAR), air relative humidity (RH), and precipitation at Rocky Mount, NC, in 2016 peanut growing season. These data are provided by the State Climate Office of NC from 1 May to 31 October.

Month	AVG Air Temp	Max Air Temp	Min Air Temp	AVG Soil Temp	Heat units DD56	AVG PAR ¹	Max PAR ¹	RH	Rain
	°F				°F d	$\mu\text{mol m}^{-2} \text{s}^{-1}$		%	inch
May	67	77	59	70	360	427	2078	74	3.7
June	76	86	66	78	623	549	2188	70	4.4
July	80	91	72	84	786	556	2230	78	19.3
August	80	91	72	85	783	500	2204	76	3.4
September	74	84	69	73	600	343	1826	80	9.7
October	64	75	54	67	268	347	1514	74	10.2
Mean/Sum	73	84	65	76	3420	454	2007	75	50.6

¹ Light is important for peanut growth and development. On a fully sunny day, maximum PAR approaches $2500 \mu\text{mol m}^{-2} \text{s}^{-1}$ and average PAR (average from sunrise to sunset) is approximately $600 \mu\text{mol m}^{-2} \text{s}^{-1}$. If these numbers are less, it denotes cloudy days, on which plants grow less.

Table 6. Temperature of air, peanut heat units (degree day – DD56) calculated based on a 56 °F temperature base (T_b), and air relative humidity (RH) at Bladen County, NC, in 2016 peanut growing season. These data are provided by the State Climate Office of NC from 1 May to 31 October.

Month	AVG Air Temp	Max Air Temp	Min Air Temp	Heat units DD56	RH
	°F			°F d	%
May	69	79	61	425	76
June	78	90	68	715	71
July	83	94	74	862	76
August	81	90	73	798	81
September	76	85	69	657	84
October	67	78	57	357	78
Mean/Sum	76	86	67	3813	78

Weather Conditions

Table 5. Temperature of air and soil at 4 inches depth, peanut heat units (degree day – DD56) calculated based on a 56 °F temperature base (T_b), air relative humidity (RH), and precipitation at Blackville, SC, in 2016 peanut growing season. These data are from 10 May to 3 October.

Month	AVG Air Temp	Max Air Temp	Min Air Temp	Heat units DD56	RH	Rain
		°F		°F d	%	inch
May	72	82	62	345	76	5.0
June	80	90	70	728	75	4.2
July	84	94	73	866	75	3.2
August	82	91	73	810	81	3.1
September	77	86	68	641	82	8.5
October	69	84	56	41	72	0.0
Mean/Sum	77	88	67	3431	77	24.0

CULTURAL PRACTICES

Cultural practices were performed according to VA, NC and SC recommendations. Plots were 35 ft rows planted on 36-inch centers (3-6 seed/row ft) with a two-row planter. All plots were dug with a KMC 2-row Planting Digger, and combined with a 2-row Hobbs peanut picker, model 325A, equipped with a bagging attachment. Tables 7 through 10 show planting dates, soil type, pH and mineral content, and cultural practices applied to the crops at each location.



Cultural Practices

Table 7. Cultural practices at Tidewater AREC (Suffolk), VA, for Digs I and II in 2016.

Planting Date:	May 19, 2016							
Harvest Date:	Dig I – October 15, 2016; Dig II - October 25, 2016							
Soil Type:	Enola, Nansemond							
Soil Test Results:		lb/A				ppm		
	pH	P	K	Ca	Mg	Zn	Mn	
	6.2	35	145	620	51	0.5	1.7	
Cultivation:								
Landplaster:	7/12/2016	- Peanut Maker 1500 lbs/A						
Fertility:	4/11/2016	- 0-40-0 100 lb/A						
	5/17/2016	- Optimize 16 oz/A						
	6/5/2016	- Manganese 8% 1 qt/A						
	6/28/2016	- ENC 1 qt/A						
	7/19/2016	- Boron 10% 1 qt/A						
	7/20/2016	- ENC 1 qt/A						
	7/20/2016	- Manganese 8% 1 qt/A						
	7/29/2016	- Ammonium Sulfate 250 lbs/A						
	8/18/2016	- Manganese 8% 1 qt/A						
Herbicides:	4/20/2016	- Prowl 1.25 pt/A						
	5/17/2016	- Dual 1.5 pt/A						
	7/2/2016	- Storm 1.5 pt/A						
	7/2/2016	- Basagran 1qt/100gal H ₂ O						
	7/3/2016	- Select Max 16 oz/A						
	7/3/2016	- Spectrum 1 qt/100 gal H ₂ O						
	7/16/2016	- Dual 1.25 qt/A						

Insecticides:	5/19/2016	- Admire Pro 9 oz/A
	6/9/2016	- Orthene 10 oz/A
	6/28/2016	- Orthene 10 oz/A
	7/2/2016	- Beseige 8 oz/A
	7/21/2016	- Brigade 6 oz/A
	8/10/2016	- Beseige 8 oz/A
	8/20/2016	- Beseige 8 oz/A
Fungicides:	5/19/2016	- Proline 5.7 oz/A
	6/9/2016	- Bravo 10 oz/A
	7/23/2016	- Provost 10 oz/A
	8/5/2016	- Provost 10 oz/A
	8/25/2016	- Provost 10 oz/A
	8/25/2016	- Omega 1 pt/A
	9/13/2016	- Bravo Weatherstik 1.5 pt/A

Cultural Practices

Table 8. Cultural practices at Martin Co., NC, for Digs I and II, in 2016.

Planting Date:	May 27, 2016	
Harvest Date:	Dig I – October 26, 2016; Dig II – November 1, 2016	
Soil Type:	Norfolk loamy fine sand	
Cultivation:	Conventional Till	
Landplaster:	7/14/2016	- Gypsum Landplaster 1500 lbs/A
Fertility:	5/27/2016	- Optimize 1 qt/A
	6/17/2016	- ENC 1.5 qt/A
	6/30/2016	- Manganese 8% 1 qt/A
	7/24/2016	- Boron 9% 1 qt/A
	7/24/2016	- ENC 1.5 qt/A
	7/24/2016	- Manganese 8% 1 qt/A
	8/17/2016	- Manganese 8% 1 qt/A
Herbicides:	5/23/2016	- Prowl 1.5 qt/A
	5/27/2016	- Dual 1.25 qt/A
	5/27/2016	- Strongarm 0.24 oz/A
	7/15/2016	- Storm 1.5 pt/A
	7/15/2016	- Basagran 2 qt/100 gal H ₂ O
	7/15/2016	- Select Max 16 oz/A
	7/15/2016	- Spectrum 1 qt/100 gal H ₂ O
	7/23/2016	- Dual 1 pt/A
	7/23/2016	- Strongarm 0.24 oz/A
Insecticides:	5/27/2016	- Admire Pro 9 oz/A
	6/17/2016	- Orthene 10 oz/A
	6/30/2016	- Orthene 10 oz/A
	7/24/2016	- Besiege 8 oz/A
	8/17/2016	- Brigade 6 oz/A
	9/1/2016	- Comite 40 oz/A
	9/7/2016	- Besiege 8 oz/A

Fungicides:	5/27/2016	- Proline 5.7 oz/A
	7/24/2016	- Provost 10 oz/A
	8/17/2016	- Provost 10 oz/A
	9/7/2016	- Provost 10 oz/A
	9/20/2016	- Bravo Weatherstik 1.5 pt/A

Cultural Practices

Table 9. Cultural practices at Rocky Mount, NC in 2016.

Planting Date:	May 16, 2016	
Harvest Date:	October 6, 2016	
Soil Type:	Aycock very fine sandy loam	
Cultivation:	Conventional Till	
Landplaster:	7/12/2016	- Landplaster 1200 lbs/A
Fertility:	3/23/2016	- Potash 0-0-60 20 lbs/A
	5/16/2016	- Optimize 14.1 oz/A
	7/14/2016	- Tec-mag 2 lbs/A
	7/14/2016	- Boron 1.5 lbs/A
Herbicides:	4/21/2016	- Pendi Pro 2 pt/A
	5/17/2016	- Dual Magnum 1.33 pt/A
	5/17/2016	- Warrant 1.33 pt/A
	6/13/2016	- Ultra Blazer 20 oz/A
	6/16/2016	- Cleanse 16 oz/A
Insecticides:	5/16/2016	- Admire Pro 9 oz/A
	6/10/2016	- Acephate 97 0.5 lb/A
	7/13/2016	- Lorsban 14 lb/A
	7/27/2016	- Steward 10 oz/A
	8/4/2016	- Baythroid XL 2.5 oz/A
	8/19/2016	- Mastang Maxx 4 oz/A
	8/26/2016	- Asana XL 9.6 oz/A
Fungicides:	5/16/2016	- Proline 5.7 oz/A
	7/14/2016	- Bravo Weatherstik 1.5 pt/A
	7/28/2016	- Tebucure 3.6 7.2 oz/A
	8/11/2016	- Omega 500 1.5 pt/A
	8/26/2016	- Bravo Weatherstik 1.5 pt/A
	8/26/2016	- Provost 8 oz/A
	8/28/2016	- Omega 1.5 pt/A
	9/12/2016	- Bravo Weatherstik 1.5 pt/A

Cultural Practices

Table 10. Cultural practices at Bladen County, NC in 2016.

Planting Date:	May 11, 2016	
Harvest Date:	October 5, 2016	
Cultivation:	Conventional Till	
Landplaster:	7/16/2016	- Gypsum 2050 lbs/A
Fertility:		- 0-0-42 4 S Mg 2 Mn 2.2 410 lb/A
	7/1/2016	- Mn 27% 1 pt/A
	8/4/2016	- Boron 10% 10.5 oz/A
	8/16/2016	- Boron 10% 8 oz/A
	9/16/2016	- Boron 10% 10 oz/A
Herbicides:	5/16/2016	- Valor 2 oz/A
	5/16/2016	- Dual 1.33 pt/A
	6/10/2016	- Cadre 4 oz/A
	6/10/2016	- Butyrac 200 1 pt/A
Insecticides:	7/15/2016	- Belt 2 oz/A
	7/17/2016	- Lorsban 14 lbs/A
	8/4/2016	- Intrepid Edge 5 oz/A
	8/31/2016	- Belt 2 oz/A
Fungicides:	7/1/2016	- Bravo 1.5 pt/A
	7/15/2016	- Elatus 8 oz/A
	8/16/2016	- Elatus 8 oz/A
	8/31/2016	- Bravo 1.5 pt/A
	9/16/2016	- Provost 8 oz/A
	9/23/2016	- Bravo 1.5 pt/A

Cultural Practices

Table 11. Cultural practices at Blackville, SC in 2016.

Planting Date:	May 10, 2016	
Harvest Date:	October 3, 2016	
Soil Type:	Sandy loam	
Cultivation:	Conventional Till	
Fertility:	4/18/2016	- Gypsum 2000 lb/A
	5/1/2016	- 0-0-60 150 lb/A
	5/12/2016	- Optimize 14 oz/A
Herbicides:	5/14/2016	- Valor 3 oz/A
	5/14/2016	- Prowl 1 qt/A
	5/14//2016	- Dual 1.3 pt/A
	6/21/2016	- Cadre 4 oz/A
	6/21/2016	- 2,4 DB 1 pt/A
Insecticides:	5/12/2016	- Admire Pro 10 oz/A
Fungicides:	6/28/2016	- CNI chlorothalonil 1.5 pt/A
	6/28/2016	- Tebuconazole 7.2 oz/A
	7/11/2016	- Elatus 9 oz/A
	7/27/2016	- Provost 10.7 oz/A
	8/11/2016	- Fontelis 16 oz/A
	8/31/2016	- Convoy 16 oz/A
	8/31/2016	- Headline 8 oz/A

RESULTS

After harvest, yield and farmer-stock grade factors including percentages of jumbo and fancy pods, pod brightness, foreign material (%FM), loose shelled kernels (%LSK), % jumbo and fancy pods, extra large kernels (%ELK), sound mature kernels (%SMK), sound splits (%SS), other kernels (%OK), damaged kernels (%DK), and pod brightness (Hunter L score) for jumbo and fancy pods were measured. Pod yield was adjusted for 7% kernel moisture and price per pound calculated by the federal formulas. Crop value per acre was also computed. The results are presented in tables 15 to 26 for individual locations and all locations combined. Two- and three-year averages are presented in Tables 27-35.

In general 2016 was a good year for peanut production but challenging throughout the summer because of drought in August and heavy rainfalls in September. Harvest was problematic for some locations because of Hurricane Matthew. Yield and grading was variable with location in 2016.

2016 Results by Location

RESULTS – PODS

Table 12. Average percent of jumbo pods¹ based on farmers' grade at all locations in 2016.

Variety	Suffolk, VA		Martin County, NC		Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
	Dig I	Dig II	Dig I	Dig II	NC	NC	SC	
Bailey	38.50 g-j	43.91 a-c	49.00 e-i	41.50 h-j	46.50 h-j	49.50 h-l	46.50 f-h	44.64 fg
Sugg	38.00 h-j	44.19 a-c	52.50 d-h	43.50 g-j	43.5 ij	43.00 lm	53.50 c-h	45.14 fg
Sullivan	52.00 e	43.76 a-c	47.50 f-i	43.00 g-j	47.00 h-j	46.00 k-m	59.00 a-g	48.21 fg
Wynne	74.50 ab	40.71 cd	60.50 a-f	53.50 c-e	81.00 a-c	66.50 b-e	72.50 ab	67.50 bc
08X09-3-14-1	47.00 e-g	39.05 d	44.00 g-i	38.50 ij	46.50 h	43.50 k-m	50.00 e-h	45.64 fg
09X38-1-5-1	73.00 ab	40.76 b-d	70.00 a-c	69.50 a	83.00 ab	74.00 ab	67.50 a-e	74.00 ab
09X39-1-11-2	39.50 g-j	41.32 a-d	45.00 g-i	50.00 c-g	55.50 f-h	49.00 h-m	58.00 a-g	49.64 fg
N10046ol	63.50 cd	41.15 b-d	54.00 d-h	47.00 d-i	63.50 ef	59.50 d-g	66.00 a-e	59.36 cd
N11020olJ	80.50 a	42.77 a-d	73.00 a	63.00 ab	84.50 a	82.50 a	75.50 a	77.07 a
N11028ol	50.00 ef	44.53 a-c	52.50 d-h	41.00 ij	56.00 f-h	66.00 b-e	57.00 b-g	53.21 d-f
N12006ol	46.00 e-h	43.38 a-d	43.00 hi	44.50 f-j	45.50 ij	58.00 e-h	45.50 f-h	47.93 fg
N12007ol	42.00 f-j	43.88 a-c	49.50 e-i	45.50 e-j	53.00 g-i	56.50 f-h	60.00 a-g	50.57 ef
N12008olCLSmT	46.00 e-h	44.05 a-c	55.50 d-h	42.50 g-j	51.50 g-i	49.00 h-m	52.00 c-h	48.43 fg
N12009olCLT	39.50 g-j	45.71 a	54.50 d-h	45.50 e-j	49.00 g-j	51.50 g-l	54.00 c-h	47.93 fg
N12010ol	42.00 f-j	42.29 a-d	61.00 a-e	40.50 ij	50.50 g-i	55.50 f-j	51.00 d-h	48.14 fg
N12014ol	38.00 h-j	44.16 a-c	43.50 hi	39.00 ij	58.00 fg	47.00 j-m	51.50 c-h	45.86 fg
N12015ol	34.00 j	43.70 a-c	57.00 c-g	50.50 c-g	52.50 g-i	48.50 i-m	42.00 gh	45.79 fg
N13003olF	45.00 e-i	45.15 ab	38.00 i	37.50 j	48.00 h-j	52.50 f-k	57.50 a-g	46.07 fg
N13006ol	71.50 bc	42.12 a-d	55.50 d-h	53.50 c-e	74.50 b-d	69.00 bc	69.50 a-c	65.21 c
N13048+ol	68.00 b-d	43.23 a-d	64.50 a-d	55.50 b-d	68.50 de	66.50 b-e	68.00 a-e	65.57 bc
N13049olJ	66.50 b-d	43.74 a-c	51.50 d-h	56.00 bc	70.50 de	68.00 b-d	36.50 h	59.07 c-e
N13054ol	62.50 d	43.01 a-d	71.50 ab	55.50 b-d	69.50 de	61.00 c-f	65.50 a-e	63.93 c
N13057olL	69.50 b-d	41.43 a-d	70.50 ab	57.5 bc	71.50 c-e	71.00 b	61.50 a-e	67.07 bc
N13058olSm	72.00 a-c	41.05 b-d	58.50 b-f	52.50 c-f	73.00 c-e	68.00 b-d	68.50 a-d	65.29 c
N14035olSmT	37.00 ij	43.58 a-c	49.00 e-i	38.50 ij	40.50 j	40.00 m	43.50 f-h	41.79 g
Ga06G							6.50 i ⁴	6.50 i
Ga12Y							5.00 i	5.00 i
Ga13M							5.50 i	5.50 i
TufRunner 297							8.50 i	8.50 hi
TufRunner 511							7.50 i	7.50 i
TufRunner 727							17.00 i	17.00 h
Mean	53.44	42.91	54.84	48.2	59.30	57.66	47.80	45.91
LSD	8.60	4.41	13.4	8.6	9.80	9.25	18.35	8.65

¹Pods that rode a 38/64 inch opening on the pre-sizer.²Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³Fisher's least significant difference (LSD) at P=0.05.⁴Pre-sizer was adjusted for runner peanuts.

2016 Results by Location

Table 13. Average percent of fancy pods¹ based on farmers' grade at all locations in 2016.

Variety	Suffolk, VA		Martin County, NC		Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
	Dig I	Dig II	Dig I	Dig II				
Bailey	50.00 a-c	48.00 ab	31.00 c-f	36.50 a-e	41.50 b-d	37.50 a-d	42.00 cd	40.93 c
Sugg	50.50 ab	44.50 bc	29.00 c-h	38.50 a-c	44.50 ab	44.00 a	36.00 d-h	41.00 c
Sullivan	40.00 c-e	44.00 bc	33.00 a-e	33.00 b-h	44.50 ab	37.00 a-d	27.50 i-k	37.00 c
Wynne	20.00 ij	28.00 g	21.50 g-j	27.50 g-i	14.50 h-j	23.50 h-j	16.50 lm	21.64 f-h
08X09-3-14-1	34.50 d-f	35.00 d-g	35.00 a-d	39.00 ab	38.50 b-d	37.00 a-d	31.00 f-j	35.71 cd
09X38-1-5-1	20.50 h-j	15.50 h	19.00 ij	21.50 i	13.00 ij	18.50 jk	21.50 kl	18.50 gh
09X39-1-11-2	46.00 a-c	41.00 b-e	41.00 a	33.50 a-h	35.50 c-e	38.00 a-c	28.5 h-k	37.64 c
N10046ol	28.00 f-i	30.50 fg	29.00 c-h	38.00 a-d	27.50 e-g	28.50 e-i	21.00 kl	28.93 de
N11020olJ	15.00 j	15.00 h	18.50 j	26.50 hi	12.50 j	13.50 k	12.00 m	16.14 hi
N11028ol	43.00 b-d	38.50 c-f	32.50 a-e	40.00 ab	37.00 b-d	25.50 g-j	33.00 e-i	35.64 cd
N12006ol	44.00 a-d	40.50 b-e	36.50 a-c	37.50 a-e	43.00 a-c	29.50 d-i	44.00 cd	39.29 c
N12007ol	43.50 b-d	43.50 b-d	36.50 a-c	36.00 a-f	37.50 b-d	30.00 c-h	27.50 i-k	36.36 c
N12008olCLSmT	45.00 a-c	46.00 a-c	32.00 a-e	36.00 a-f	40.50 b-d	40.50 ab	41.00 c-e	40.14 c
N12009olCLT	50.00 a-c	47.50 ab	35.00 a-d	40.50 a	43.50 a-c	34.50 b-f	38.00 d-f	41.29 c
N12010ol	45.00 a-c	53.50 a	28.00 c-i	39.00 ab	42.00 a-d	34.50 b-f	37.00 d-g	39.86 c
N12014ol	48.50 a-c	44.50 bc	33.50 a-e	40.00 ab	34.00 d-f	37.00 a-d	38.50 d-f	39.43 c
N12015ol	54.00 a	49.00 ab	25.50 e-j	29.00 f-h	37.50 b-d	36.50 a-e	42.50 cd	39.14 c
N13003olF	45.00 a-c	45.50 a-c	40.50 ab	39.50 ab	41.00 b-c	32.50 b-g	29.00 g-k	39.00 c
N13006ol	22.50 g-j	29.00 g	30.50 c-g	30.50 e-h	21.00 g-i	22.00 h-j	22.50 kl	25.43 ef
N13048+ol	27.00 f-i	27.50 g	26.00 d-j	31.50 c-h	27.50 e-g	25.50 g-j	25.50 i-k	27.21 ef
N13049olJ	30.50 e-h	28.50 g	31.50 b-e	31.00 d-h	24.50 g	24.50 g-j	23.50 j-l	27.71 ef
N13054ol	32.50 e-g	33.50 e-g	22.00 f-j	28.00 g-i	26.00 fg	27.00 f-i	24.50 j-l	27.64 ef
N13057olL	26.50 f-i	26.50 g	21.00 h-j	27.00 hi	24.50 g	21.50 i-k	26.00 i-k	24.71 e-g
N13058olSm	24.00 g-j	27.50 g	29.50 c-h	34.50 a-g	22.00 gh	24.50 g-j	22.50 kl	26.36 ef
N14035olSmT	48.00 a-c	44.50 bc	30.50 c-g	37.00 a-e	50.00 a	37.50 a-d	36.5 d-h	40.57 c
Ga06G							57.00 a	57.00 a
Ga12Y							9.50 m	9.50 ij
Ga13M							8.50 m	8.50 j
TufRunner 297							56.00 ab	56.00 a
TufRunner 511							48.5 bc	48.50 b
TufRunner 727							52.50 ab	52.50 ab
Mean	37.34	37.08	29.90	34.04	32.94	30.42	31.60	34.17
LSD	10.43	8.98	9.15	7.04	8.10	8.37	8.33	6.86

¹ Pods that fell through a 38/64 inch opening but rode a 34/64 inch opening on the pre-sizer.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05

2016 Results by Location

Table 14. Average of pod brightness¹ (Hunter L Score) for jumbo pods in 2016.

Variety	Suffolk, VA		Martin County, NC		Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
	Dig I	Dig II	Dig I	Dig II				
Bailey	45.11 a-d	43.91 a-c	43.24 ab	41.04 a-d	43.52 a-c	42.94 ab	43.86 a	43.37 a-c
Sugg	41.78 e-j	44.19 a-c	41.15 b-d	40.85 a-d	43.14 a-c	42.53 ab	42.44 a	42.30 a-f
Sullivan	44.25 a-g	43.76 a-c	43.29 ab	40.96 a-d	43.91 a-c	43.33 ab	43.84 a	43.33 a-c
Wynne	41.88 d-j	40.71 cd	42.84 ab	41.42 a-d	43.69 a-c	42.72 ab	43.24 a	42.36 a-f
08X09-3-14-1	40.98 g-k	39.05 d	37.20 e	37.78 cd	42.13 c	39.68 c	40.75 a	39.65 gh
09X38-1-5-1	40.43 i-k	40.76 b-d	39.72 de	38.87 a-d	42.91 bc	42.03 bc	39.13 a	40.55 e-h
09X39-1-11-2	41.96 c-j	41.32 a-d	41.00 b-d	40.42 a-d	44.00 a-c	43.43 ab	42.76 a	42.13 a-f
N10046ol	43.73 a-h	41.15 b-d	42.70 a-d	42.71 a	43.88 a-c	43.44 ab	42.03 a	42.81 a-e
N11020olJ	38.04 k	42.77 a-d	41.44 b-d	40.05 a-d	43.05 a-c	43.92 ab	41.81 a	41.58 b-g
N11028ol	44.04 a-h	44.53 a-c	42.03 b-d	39.73 a-d	43.41 a-c	42.65 ab	42.60 a	42.71 a-e
N12006ol	45.21 a-c	43.38 a-d	42.55 a-d	41.94 ab	42.88 bc	42.50 ab	42.27 a	42.96 a-d
N12007ol	43.50 a-i	43.88 a-c	43.40 ab	42.26 a	42.67 bc	43.30 ab	42.49 a	43.07 a-d
N12008olCLSmT	43.15 b-i	44.05 a-c	42.81 a-c	41.25 a-d	42.21 c	42.33 ab	44.40 a	42.88 a-e
N12009olCLT	44.57 a-e	45.71 a	45.10 a	41.89 a-c	42.85 bc	43.98 ab	44.40 a	44.07 a
N12010ol	44.44 a-f	42.29 a-d	43.47 ab	41.66 a-d	43.59 a-c	42.50 ab	43.22 a	43.02 a-d
N12014ol	46.51 a	44.16 a-c	43.08 ab	39.41 a-d	43.35 a-c	42.77 ab	42.76 a	43.15 a-d
N12015ol	43.34 a-i	43.70 a-c	42.42 a-d	41.55 a-d	45.07 ab	43.35 ab	43.60 a	43.29 a-d
N13003olF	45.27 ab	45.15 ab	42.92 ab	41.87 a-c	44.63 a-c	44.21 ab	42.67 a	43.82 ab
N13006ol	40.88 h-k	42.12 a-d	41.25 b-d	39.84 a-d	43.45 a-c	43.51 ab	43.45 a	42.07 a-f
N13048+ol	43.89 a-h	43.23 a-d	41.03 b-d	39.09 a-d	44.30 a-c	43.58 ab	41.70 a	42.40 a-f
N13049olJ	41.97 c-j	43.74 a-c	39.79 c-e	40.62 a-d	42.93 a-c	43.15 ab	42.89 a	42.11 a-f
N13054ol	41.23 f-k	43.01 a-d	40.75 b-d	38.06 b-d	42.00 c	44.73 a	41.53 a	41.61 b-g
N13057olL	43.02 b-i	41.43 a-d	42.29 a-d	39.11 a-d	43.96 a-c	42.76 ab	42.00 a	42.08 a-f
N13058olSm	39.37 jk	41.05 b-d	41.46 b-d	37.55 d	42.72 bc	43.34 ab	43.50 a	41.28 c-g
N14035olSmT	44.46 a-f	43.58 a-c	42.41 a-d	38.59 a-d	45.62 a	43.95 ab	44.14 a	43.25 a-d
Ga06G							36.41 ab	36.41 i
Ga12Y							38.85 ab	38.85 h
Ga13M							30.95 b	30.95 j
TufRunner 297							40.04 a	40.04 f-h
TufRunner 511							40.05 a	40.05 f-h
TufRunner 727							40.93 a	40.93 d-h
Mean	42.92	42.91	41.97	40.34	43.43	43.07	41.76	41.58
LSD	3.29	4.41	3.05	4.13	2.70	2.51	8.05	2.38

¹ The higher the number the brighter the pod color.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05

2016 Results by Location

Table 15. Average of pod brightness¹ (Hunter L Score) for fancy pods in 2016.

Variety	Suffolk, VA		Martin County, NC		Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
	Dig I	Dig II	Dig I	Dig II				
Bailey	44.46 a	42.63 a-d	44.35 a	40.96 a-d	42.97 b-e	41.23 ab	42.14 a-e	42.68 a-c
Sugg	41.55 a-g	41.13 b-g	41.44 c-e	40.55 a-e	41.70 de	43.04 a	41.11 a-f	41.50 b-i
Sullivan	43.00 a-d	40.83 c-g	41.62 cd	38.78 b-f	45.13 a	41.6 ab	42.98 a-c	41.99 a-h
Wynne	37.97 g	40.95 b-g	40.31 d-i	39.57 a-f	42.13 c-e	41.02 ab	42.55 a-d	40.64 f-j
08X09-3-14-1	38.17 g	39.20 e-g	36.22 j	36.71 f	41.26 e	39.25 b	39.99 d-f	38.69 k
09X38-1-5-1	38.33 gf	38.93 g	39.18 hi	37.67 ef	41.54 e	41.34 ab	39.66 df	39.52 jk
09X39-1-11-2	40.05 c-g	39.14 fg	40.66 d-h	39.56 a-f	42.72 b-e	41.47 ab	39.47 ef	40.44 h-k
N10046ol	41.03 a-g	40.49 c-g	41.73 cd	41.86 ab	43.80 a-d	42.40 a	41.93 a-e	41.89 b-h
N11020olJ	39.06 e-g	41.31 b-g	39.51 e-i	39.18 a-f	41.65 e	41.60 ab	40.86 b-f	40.45 h-k
N11028ol	41.77 a-g	42.97 a-c	41.17 c-g	41.08 a-d	42.78 b-e	40.98 ab	42.09 a-e	41.83 b-h
N12006ol	41.42 a-g	42.67 a-d	41.79 b-d	41.14 a-c	41.53 e	41.74 ab	41.62 a-f	41.70 b-h
N12007ol	40.72 a-g	44.14 ab	41.79 b-d	41.16 a-c	43.70 a-e	41.59 ab	42.41 a-e	42.16 a-h
N12008olCLSmT	42.19 a-e	42.45 a-e	43.74 ab	40.15 a-e	42.57 c-e	43.51 a	43.30 a-c	42.56 a-e
N12009olCLT	41.51 a-g	42.48 a-d	42.74 a-c	40.20 a-e	42.11 c-e	42.43 a	43.93 a	42.20 a-h
N12010ol	42.98 a-d	42.78 a-d	41.79 b-d	41.02 a-d	43.93 a-c	42.21 a	41.89 a-f	42.37 a-g
N12014ol	43.19 ab	43.00 a-c	41.30 c-f	41.68 a-c	43.32 a-e	42.64 a	42.41 a-e	42.60 a-d
N12015ol	43.20 a-c	41.29 b-g	40.87 c-h	42.15 a	42.28 c-e	42.03 a	43.02 a-c	42.12 a-h
N13003olF	42.75 a-e	45.41 a	41.54 cd	41.31 a-c	45.26 a	42.94 a	41.02 a-f	42.89 ab
N13006ol	41.42 a-g	40.76 c-g	39.89 d-i	40.33 a-e	41.99 c-e	42.04 a	38.92 f	40.77 e-j
N13048+ol	40.60 b-g	39.62 d-g	40.77 d-h	39.74 a-f	43.82 a-d	43.00 a	41.60 a-f	41.31 b-j
N13049olJ	42.02 a-f	42.37 a-f	38.52 i	38.90 b-f	41.93 c-e	42.01 a	40.83 c-f	40.88 c-j
N13054ol	40.51 b-g	41.76 b-g	38.62 i	38.69 b-f	43.32 a-e	41.66 ab	41.18 a-f	40.82 d-j
N13057olL	41.99 a-f	41.31 b-g	39.44 f-i	37.94 d-f	41.80 de	41.90 ab	40.64 c-f	40.72 f-j
N13058olSm	39.26 d-g	39.02 g	39.33 g-i	38.53 c-f	41.47 e	41.27 ab	39.81 d-f	39.81 i-k
N14035olSmT	43.07 a-c	42.96 a-c	39.07 hi	40.45 a-e	44.72 ab	43.47 a	41.80 a-f	42.22 a-h
Ga06G							43.76 ab	43.76 a
Ga12Y							42.47 a-d	42.47 a-f
Ga13M							40.81 b-f	40.81 d-j
TufRunner 297							43.01 a-c	43.01 ab
TufRunner 511							42.62 a-d	42.62 a-d
TufRunner 727							40.59 c-f	40.59 g-j
Mean	41.29	41.58	40.60	39.97	42.78	41.93	41.63	41.55
LSD	3.80	3.27	1.97	3.17	2.12	2.71	2.97	1.83

¹ The higher the number the brighter the pod color.² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³ Fisher's least significant difference (LSD) at P = 0.05.

2016 Results by Location

RESULTS – YIELD AND GRADE BY LOCATION**Table 16. Performance of genotypes at Tidewater AREC (Suffolk), VA, in 2016. Dig I averages of two replicated plots planted on 19 May, dug on 6 October, and combined on 15 October.**

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.2	0.5	89 b-h	7.0	29 b-f	6 c-f	2.7	3.9	2.9	59 a-c	69 b-d	16.11 a-c	4512.5 a-d	711 a-c
Sugg	0.4	1.0	89 b-h	7.7	28 c-f	6 c-f	1.4	5.3	5.2	55 a-c	67 c-e	14.80 bc	4020.5 cd	549 bc
Sullivan	0.3	0.5	92 a-g	7.6	31 a-e	10 bc	2.3	4.7	2.6	58 a-c	67 cd	15.77 a-c	4560.0 a-d	703 a-c
Wynne	0.4	0.8	95 a-d	8.8	29 b-f	10 bc	1.6	3.9	3.7	58 a-c	67 cd	15.60 a-c	4155.0 b-d	625 a-c
08X09-3-14-1	0.8	0.8	82 h	7.8	18 gh	11 b	1.8	6.0	4.1	56 a-c	67 cd	15.05 bc	4673.5 a-d	679 a-c
09X38-1-5-1	0.7	0.5	94 a-e	7.3	27 d-f	18 a	5.8	2.5	3.7	60 a-c	72 ab	17.11 ab	4654.5 a-d	740 a-c
09X39-1-11-2	0.5	0.6	86 f-h	7.1	24 e-g	17 a	3.0	4.3	4.6	58 a-c	70 a-c	15.93 a-c	4676.0 a-d	692 a-c
N10046ol	0.5	1.0	92 a-g	7.7	30 a-e	11 b	2.5	3.9	5.2	59 a-c	70 a-c	15.96 a-c	4146.5 b-d	570 a-c
N11020olJ	0.7	2.6	96 a-c	8.4	16 h	11 b	3.5	6.7	9.0	42 e	61 f	12.05 e	2804.5 e	212 d
N11028ol	0.3	0.7	93 a-f	7.7	35 a-d	4 ef	2.0	3.5	1.5	63 ab	70 a-c	16.90 a-c	5245.5 a	886 a
N12006ol	0.6	0.9	90 a-g	7.6	21 f-h	7 b-f	1.0	4.2	2.5	63 ab	70 a-c	16.35 a-c	4668.0 a-d	750 a-c
N12007ol	0.6	0.7	86 f-h	7.3	33 a-d	4 d-f	2.0	4.0	3.8	61 a-c	70 a-c	16.30 a-c	5003.0 a-c	782 a-c
N12008olCLSmT	0.8	0.6	91 a-g	7.6	34 a-d	8 b-e	1.9	3.8	2.1	62 a-c	70 a-c	16.77 a-c	5166.5 a	859 ab
N12009olCLT	1.3	0.8	90 a-g	7.4	33 a-d	8 b-e	2.5	3.4	3.5	61 a-c	70 a-c	16.45 a-c	4682.5 a-d	742 a-c
N12010ol	0.7	0.7	87 d-h	9.6	35 a-d	9 b-d	0.8	3.0	3.0	63 ab	69 a-d	16.54 a-c	4767.5 a-d	745 a-c
N12014ol	0.6	0.6	87 e-h	7.6	38 a	8 b-e	2.3	2.8	3.1	65 a	73 a	17.37 a	5154.5 a	871 a
N12015ol	0.5	0.9	88 c-h	9.2	36 ab	6 c-f	1.1	3.6	3.4	64 ab	72 ab	16.85 a-c	5068.0 ab	791 a-c
N13003olF	0.5	0.6	90 a-g	7.3	38 a	3 f	2.0	3.4	1.4	63 ab	70 a-c	16.90 a-c	4933.5 a-c	834 ab
N13006ol	0.9	1.3	94 a-e	7.4	36 a-c	5 d-f	1.7	3.4	4.3	58 a-c	67 cd	15.51 a-c	4684.0 a-d	698 a-c
N13048+ol	0.5	0.6	95 a-c	7.9	23 e-h	4 ef	5.7	4.7	4.6	52 cd	67 cd	14.98 bc	5412.0 a	754 a-c
N13049olJ	0.5	0.6	97 a	8.0	23 e-h	4 ef	2.7	4.2	4.8	54 b-d	66 de	14.66 cd	4906.0 a-c	675 a-c
N13054ol	0.5	0.8	95 a-c	7.5	30 a-e	6 c-f	4.2	3.9	3.5	57 a-c	69 b-d	15.91 a-c	5125.5 ab	779 a-c
N13057olL	0.5	0.7	96 ab	8.1	28 b-f	8 b-e	3.3	3.6	5.6	56 a-c	68 b-d	15.38 a-c	5057.5 ab	690 a-c
N13058olSm	0.4	0.9	96 ab	9.8	21 f-h	5 d-f	3.3	4.8	11.0	44 de	63 ef	12.39 de	5085.0 ab	491 cd
N14035olSmT	0.5	1.2	85 gh	7.9	24 e-g	10 bc	5.6	4.6	4.1	57 a-c	67 c-e	16.25 a-c	3817.5 d	595 a-c
Mean	0.5	0.8	91	7.9	29	8	2.6	4.1	4.1	58	68	15.76	4679	697
LSD_{0.05}³	0.5	0.5	8	2.3	8	5	3.1	1.9	5.8	10	4	2.34	990	321

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³ Fisher's least significant difference (LSD) at P = 0.05.

2016 Results by Location

Table 17. Performance of genotypes at Tidewater AREC (Suffolk), VA in 2016. Dig II averages of two replicated plots planted on 7 May, dug on 15 October, and combined on 25 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.8	1.0	89 e-i	7.4	33 a-d	6 b-f	3.4	3.2	1.3	62 a-c	70 ab	17.01 ab	5006.0 a-d	846 ab
Sugg	0.5	1.0	87 hi	6.3	33 a-d	6 b-e	3.6	4.7	5.0	55 a-f	68 a-d	15.38 a-f	4014.0 b-e	562 a-c
Sullivan	2.8	0.9	87 g-i	7.4	14 g	7 b-d	3.8	3.7	4.2	55 a-f	67 a-e	15.10 a-f	4500.0 a-e	633 a-c
Wynne	0.9	1.7	92 b-f	6.8	26 b-f	5 c-f	4.5	4.1	5.3	51 d-g	65 c-e	14.44 b-f	3811.0 de	459 c
08X09-3-14-1	0.8	1.9	85 i	8.5	24 d-g	9 b	1.3	4.3	6.0	56 a-f	68 a-e	14.93 a-f	4078.0 a-e	539 bc
09X38-1-5-1	0.7	1.6	97 a	6.5	23 d-g	18 a	11.9	2.5	2.9	52 c-g	70 a-c	16.65 a-d	4479.0 a-e	723 a-c
09X39-1-11-2	0.8	1.2	92 b-f	6.2	26 b-g	16 a	2.9	3.6	5.0	56 a-f	68 a-e	15.44 a-f	4657.0 a-e	660 a-c
N10046ol	0.8	1.3	93 a-f	6.6	27 a-f	6 b-f	5.1	3.2	7.6	50 e-g	65 b-e	14.19 c-f	3979.0 c-e	446 c
N11020olJ	0.5	2.1	96 ab	6.9	24 d-g	8 bc	2.3	5.1	4.8	51 d-g	63 e	13.92 ef	3548.0 e	468 c
N11028ol	0.6	1.5	89 f-i	6.6	31 a-e	5 c-f	4.2	4.0	1.9	59 a-e	69 a-d	16.32 a-e	4963.0 a-d	801 a-c
N12006ol	0.8	1.0	94 a-d	6.3	36 a-c	6 b-f	2.6	2.7	0.9	64 ab	70 a-c	17.16 a	5330.0 a	915 a
N12007ol	1.0	1.0	91 c-g	6.8	38 a	6 b-f	3.6	2.8	2.5	61 a-d	70 ab	16.86 a-c	4576.0 a-e	761 a-c
N12008olCLSmT	0.8	1.1	89 f-i	7.2	34 a-d	7 b-d	3.1	3.8	3.3	59 a-e	70 a-c	16.33 a-e	4892.0 a-d	786 a-c
N12009olCLT	1.1	0.9	89 e-i	7.4	37 ab	8 bc	3.0	3.4	2.6	62 a-c	71 a	17.03 ab	5178.0 a-c	867 ab
N12010ol	0.8	1.3	90 d-h	6.6	33 a-d	5 c-f	4.8	4.4	3.5	55 a-f	68 a-e	15.69 a-f	4703.5 a-e	719 a-c
N12014ol	0.7	1.8	89 f-i	6.5	32 a-d	4 c-f	4.3	3.6	6.1	54 b-g	68 a-e	15.06 a-f	4344.5 a-e	561 a-c
N12015ol	0.8	1.5	85 i	6.8	30 a-f	2 f	3.4	4.6	3.2	59 a-e	70 ab	16.19 a-e	4296.0 a-e	677 a-c
N13003olF	0.6	1.2	90 d-h	6.9	38 a	5 c-f	2.8	2.6	0.9	65 a	71 a	17.45 a	5156.5 a-c	901 ab
N13006ol	0.7	1.9	92 b-f	6.8	37 ab	4 c-f	3.2	3.9	2.8	57 a-f	67 a-e	15.75 a-f	5040.0 a-d	780 a-c
N13048+ol	0.6	1.4	96 ab	6.3	25 c-g	3 ef	7.6	3.2	5.7	51 d-g	67 a-e	15.03 a-f	4956.5 a-d	658 a-c
N13049olJ	0.6	1.4	93 a-e	6.1	21 e-g	4 c-f	7.7	4.3	6.2	47 fg	65 c-e	14.05 d-f	5010.5 a-d	604 a-c
N13054ol	1.4	1.0	96 ab	6.9	26 b-g	8 bc	8.0	3.2	4.3	51 d-g	66 a-e	15.27 a-f	5273.5 ab	770 a-c
N13057olL	0.7	1.5	95 a-c	6.7	23 d-g	2 ef	8.0	5.0	5.4	46 fg	65 de	14.07 d-f	4930.5 a-d	615 a-c
N13058olSm	0.9	1.3	92 b-f	7.4	20 fg	3 d-f	8.7	5.0	7.3	43 g	64 de	13.42 f	4237.5 a-e	439 c
N14035olSmT	0.5	1.2	89 f-i	6.6	30 a-f	7 b-e	2.1	4.0	2.4	59 a-e	68 a-e	15.96 a-f	4740.0 a-e	743 a-c
Mean	0.8	1.3	91	6.8	29	6	4.6	3.8	4.0	55	68	16.00	4628	667
LSD_{0.05}³	1.5	0.8	4	1.4	11	4	2.0	1.9	5.1	11	5	2.69	1268	365

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

2016 Results by Location

Table 18. Performance of genotypes at Martin Co., NC, in 2016. Dig I averages of two replicated plots planted on 27 May, dug on 18 October, and combined on 26 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.6	1.4	80 f-h	7.6	27 a-d	5 f-k	2.7	1.9	1.1	63 a	69 ab	16.82 ab	3882 a-e	653 a-d
Sugg	0.7	1.3	82 e-h	7.6	24 b-g	11 a-c	3.4	1.8	0.9	61 a	67.35 a-e	16.64 ab	3950 a-d	657 a-d
Sullivan	0.6	1.8	81 f-h	7.8	20 e-i	5 e-j	3.5	2.5	1.4	59 a-e	66 a-g	15.95 a-e	3002 e-g	476 d-g
Wynne	0.9	1.0	82 e-h	7.2	23 b-h	7 c-g	4.3	2.0	2.0	60 a-c	68 a-d	16.34 a-d	3417 c-g	552 c-f
08X09-3-14-1	1.2	1.3	79 gh	9.5	18 h-j	11 ab	1.5	2.0	2.9	61 ab	67 a-f	15.99 a-e	3628 b-g	574 b-f
09X38-1-5-1	0.7	0.9	89 a-d	7.4	28 a-c	11 ab	4.9	1.4	3.2	59 a-d	69 ab	16.53 a-c	3946 a-d	637 a-e
09X39-1-11-2	0.8	1.1	86 b-f	6.9	24 b-h	13 a	3.5	1.8	2.3	61 a-c	68 a-c	16.52 a-c	3877 a-e	630 a-e
N10046ol	0.6	1.0	83 c-h	8.6	25 a-e	7 d-h	3.7	1.9	1.7	60 a-c	67 a-f	16.29 a-d	2929 fg	475 d-g
N11020olJ	0.8	1.6	92 ab	7.8	24 b-g	6 e-i	2.6	1.6	5.5	54 d-f	63 g	14.42 f-h	3584 c-g	455 e-g
N11028ol	0.7	1.2	85 b-g	7.2	19 f-i	5 f-k	3.6	2.7	2.4	55 b-e	64 fg	15.10 d-g	3486 c-g	516 c-f
N12006ol	0.7	1.0	80 f-h	7.4	28 ab	4 g-l	3.0	1.7	1.5	62 a	68 a-c	16.72 ab	3787 a-f	629 a-e
N12007ol	0.8	0.8	86 b-f	7.8	25 a-f	8 b-f	4.3	1.6	1.2	61 a	68 a-c	16.80 ab	3868 a-e	651 a-d
N12008olCLSmT	0.7	1.1	88 a-e	7.3	27 a-d	11 a-c	4.0	1.5	2.7	61 a-c	69 ab	16.62 ab	4318 a-c	702 a-c
N12009olCLT	0.5	1.1	90 a-c	7.1	31 a	10 a-d	4.1	1.2	2.2	62 a	69 a	17.04 a	4614 a	777 a
N12010ol	0.6	0.9	89 a-d	7.2	28 a-c	9 a-e	4.6	1.4	2.4	61 a-c	69 ab	16.74 ab	4499 ab	742 ab
N12014ol	0.4	1.4	77 h	7.1	20 e-i	3 h-l	4.5	2.1	1.7	59 a-e	67 a-f	16.02 a-e	3594 b-g	575 b-f
N12015ol	0.7	1.5	83 d-h	9.0	24 b-g	3 h-l	3.2	1.7	2.5	60 a-c	67 a-f	16.01 a-e	3662 b-g	580 b-f
N13003olF	0.8	1.6	79 gh	7.1	22 c-i	1 kl	3.5	1.5	1.2	62 a	68 a-d	16.49 a-d	3596 b-g	591 b-f
N13006ol	0.7	2.0	86 b-f	7.2	24 b-g	3 i-l	5.9	1.7	1.8	55 c-e	65 d-g	15.59 b-f	3664 b-g	566 b-f
N13048+ol	0.8	1.9	91 ab	7.7	16 ij	2 j-l	7.6	2.0	6.6	48 fg	64 e-g	14.16 gh	3780 a-f	439 fg
N13049olJ	1.1	1.5	83 c-h	8.2	13 j	1 l	8.0	3.4	6.9	45 g	63 g	13.51 h	2869 g	305 g
N13054ol	0.8	1.2	94 a	7.5	18 g-j	5 f-k	9.1	1.7	5.9	49 fg	66 b-g	14.71 e-h	4018 a-d	507 d-f
N13057olL	0.5	1.5	92 ab	7.3	21 d-i	3 g-l	7.1	2.2	3.5	54 ef	66 a-g	15.45 b-g	4055 a-d	592 a-f
N13058olSm	0.6	1.9	88 a-e	7.8	18 g-j	3 g-l	6.1	2.3	2.5	53 ef	64 e-g	15.16 c-g	3792 a-f	568 b-f
N14035olSmT	0.5	1.2	80 f-h	7.7	21 d-i	5 f-k	2.7	2.0	2.5	58 a-e	65 c-g	15.51 b-g	3224 d-g	489 e-g
Mean	0.7	1.3	85	7.6	23	6	4.5	1.9	2.7	58	67	15.89	3722	574
LSD_{0.05}³	0.5	0.9	7	1.3	6	4	2.6	1.0	2.5	6	3	0.01	906	186

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³ Fisher's least significant difference (LSD) at P = 0.05.

2016 Results by Location

Table 19. Performance of genotypes at Martin Co., NC, in 2016. Dig II averages of two replicated plots planted on 27 May, dug on 26 October, and combined on 1 November.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	1.1	1.1	78 f-i	6.2	24 b-g	4 g-j	5.8	2.4	3.4	54 b-e	66 b-g	15.38 b-e	3119.5 c-f	464 c-h
Sugg	0.4	0.6	82 c-h	6.4	23 b-g	7 c-g	5.7	3.1	2.6	56 a-e	67 a-g	15.87 a-d	2455.5 f	386 e-i
Sullivan	0.5	1.2	76 hi	6.5	23 b-g	4 e-j	4.3	2.7	4.8	54 b-e	66 b-g	15.07 b-f	3222.5 c-f	457 c-h
Wynne	0.9	1.1	81 c-i	6.3	20 g-i	4 f-j	5.6	3.3	4.7	51 ef	64 d-g	14.42 d-g	2780.5 ef	375 e-i
08X09-3-14-1	0.6	0.9	78 g-i	7.4	20 f-i	10 bc	2.6	2.5	2.3	61 ab	68 a-f	16.26 a-c	4577.0 ab	732 a
09X38-1-5-1	0.7	0.7	91 a	6.2	27 a-c	12 ab	8.5	3.1	4.3	53 c-e	69 a-d	15.92 a-c	3687.5 a-e	553 a-e
09X39-1-11-2	0.8	0.8	84 b-g	6.1	22 d-h	15 a	7.5	2.3	2.7	57 a-e	69 a-c	16.53 ab	3103.5 c-f	504 b-f
N10046ol	1.0	1.1	85 a-d	6.3	28 ab	7 c-e	4.1	2.4	2.5	62 a	71 a	17.07 a	3543.0 c-e	602 a-c
N11020olJ	0.4	1.3	90 ab	6.6	25 b-f	4 e-i	4.1	1.9	4.7	54 b-e	65 c-g	14.89 c-f	3416.5 c-e	477 c-g
N11028ol	0.7	0.7	81 c-i	6.4	21 e-h	2 ij	5.0	2.4	3.7	55 b-e	66 b-g	15.24 b-e	3263.5 c-f	484 c-g
N12006ol	0.8	0.8	82 c-h	7.0	20 g-i	4 e-j	5.4	2.4	2.5	58 a-d	69 a-d	16.35 a-c	3429.0 c-e	550 b-e
N12007ol	0.6	0.7	82 c-i	6.9	26 a-d	7 c-f	4.8	1.8	3.5	59 a-c	69 ab	16.42 ab	3001.5 d-f	483 c-g
N12008olCLSMT	0.7	0.7	79 e-i	6.2	27 a-c	6 d-h	5.8	2.3	4.0	54 b-e	67 b-g	15.51 b-d	3708.0 a-e	553 a-e
N12009olCLT	0.7	0.6	86 a-c	6.3	30 a	8 cd	5.5	2.2	3.1	58 a-e	68 a-e	16.29 a-c	3644.5 b-e	580 a-d
N12010ol	0.6	0.8	80 d-i	6.1	26 a-e	5 d-i	7.4	1.7	2.1	57 a-e	68 a-d	16.55 ab	3098.5 d-f	505 b-f
N12014ol	0.6	0.7	79 d-i	6.2	22 c-g	3 h-j	4.5	2.9	4.3	55 b-e	66 b-g	15.14 b-e	3520.0 c-e	513 b-f
N12015ol	0.8	0.7	80 d-i	6.4	22 c-g	3 h-j	5.0	2.4	3.8	57 a-e	68 a-e	15.85 a-d	3857.5 a-d	580 a-d
N13003olF	0.5	1.2	77 hi	6.4	21 e-h	2 h-j	4.8	2.7	3.1	54 b-e	65 b-g	15.08 b-f	3282.0 c-f	481 c-g
N13006ol	0.9	1.1	84 b-f	6.2	24 b-g	2 ij	6.5	2.3	3.4	52 de	64 d-g	14.90 c-f	4594.0 a	667 ab
N13048+ol	0.5	1.3	87 a-c	6.2	16 ij	1 j	8.6	2.6	9.2	45 fg	65 b-g	13.59 f-h	4046.5 a-c	368 f-i
N13049olJ	0.5	1.0	87 a-c	6.5	14 j	2 ij	9.3	3.4	8.3	42 g	63 g	13.19 gh	3240.0 c-f	297 hi
N13054ol	0.5	1.2	84 b-g	6.3	16 ij	2 ij	10.4	2.3	6.8	44 fg	64 e-g	13.93 e-h	3709.5 a-e	402 d-i
N13057olL	1.1	0.8	85 b-e	6.4	17 h-j	3 h-j	7.1	3.3	8.1	45 fg	63 g	13.30 gh	3315.0 c-f	321 g-i
N13058olSm	0.5	1.3	87 a-c	6.5	14 j	2 ij	9.9	3.0	10.0	41 g	64 fg	12.91 h	3160.5 c-f	264 i
N14035olSmT	0.3	1.2	76 i	6.7	20 g-i	6 d-h	3.7	2.7	3.9	55 b-e	65 b-g	15.07 b-f	3033.0 d-f	441 c-i
Mean	0.7	0.9	82	6.4	22	5	6.1	2.5	4.4	53	66	15.23	3432	482
LSD_{0.05}³	0.7	0.4	6	0.5	5	3	2.7	1.4	2.3	7	5	1.50	945	180

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

2016 Results by Location

Table 20. Performance of genotypes at Rocky Mount, NC, in 2016. Averages of two replicated plots planted on 16 May, dug on 27 September, and combined on 6 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	1.2	0.6	88 ef	6.3	28 g-j	5 g-j	2.0	3.1	1.2	62 a-c	68 a-g	16.45 a-d	4532 b-e	742 a-d
Sugg	1.4	1.2	88 ef	6.1	30 e-i	5 g-j	3.5	3.6	2.0	59 b-g	68 a-f	16.13 b-e	4783 a-e	761 a-d
Sullivan	0.4	0.6	92 b-e	5.9	29 e-j	8 d-i	4.4	3.0	0.7	60 a-f	68 b-g	16.53 a-d	4716 a-e	779 a-d
Wynne	1.3	0.9	96 a-c	6.1	29 f-j	12 bc	3.3	2.5	2.4	59 a-g	67 c-h	16.22 b-e	4927 a-d	786 a-d
08X09-3-14-1	0.8	1.0	85 f	6.3	25 j	9 c-g	1.4	4.9	2.3	58 d-g	66 f-h	15.47 ef	4865 a-d	740 b-d
09X38-1-5-1	0.9	0.6	96 ab	6.0	27 h-j	22 a	5.4	2.3	1.8	61 a-e	70 a	17.24 a	5255 a-c	895 ab
09X39-1-11-2	2.6	1.1	91 b-e	6.2	30 e-i	15 b	2.3	3.3	1.3	62 a-c	69 a-e	16.69 a-c	5410 ab	903 ab
N10046ol	1.0	1.3	91 b-e	6.0	34 a-d	8 c-h	1.6	3.5	1.4	63 a	69 a-c	16.78 ab	5205 a-c	870 ab
N11020olJ	1.2	0.9	97 a	6.1	27 ij	18 a	1.7	2.2	2.3	60 a-e	66 e-h	16.17 b-e	4684 b-e	747 a-d
N11028ol	0.7	1.0	93 a-e	6.1	29 e-j	8 d-i	3.1	2.7	1.5	60 a-f	67 d-h	16.27 b-e	5075 a-c	821 a-d
N12006ol	1.8	1.0	89 ef	6.2	30 d-i	6 f-j	2.0	3.2	1.4	62 ab	69 a-d	16.59 a-d	4733 a-e	781 a-d
N12007ol	0.7	0.8	91 c-e	6.2	33 a-f	9 c-f	3.7	2.7	0.8	61 a-d	68 a-f	16.87 ab	5187 a-c	875 ab
N12008olCLSmT	1.1	0.6	92 a-e	6.1	35 ab	8 c-i	3.0	3.0	1.3	61 a-e	68 a-f	16.71 a-c	5148 a-c	860 ab
N12009olCLT	1.1	0.8	93 a-e	6.2	34 a-d	10 cd	3.0	3.8	0.8	61 a-e	68 a-f	16.65 a-c	4056 de	673 d
N12010ol	1.1	0.5	93 a-e	6.0	35 a-c	8 d-i	2.6	3.2	0.9	62 ab	68 a-f	16.78 ab	5063 a-c	850 a-c
N12014ol	1.7	0.6	92 a-e	6.1	31 b-h	8 d-i	2.2	3.3	1.4	61 a-e	68 a-g	16.38 b-d	5798 ab	863 ab
N12015ol	2.0	0.9	90 d-f	6.1	33 a-f	3 j	3.1	4.2	1.7	61 a-e	70 ab	16.56 a-d	4017 e	661 d
N13003olF	0.9	1.1	89 ef	5.9	32 b-g	5 g-j	3.2	3.0	0.5	62 a-c	68 a-g	16.72 a-c	5280 a-c	883 ab
N13006ol	1.4	0.8	96 a-c	6.1	37 a	5 ij	3.8	2.7	1.0	60 a-e	68 b-g	16.67 a-c	5351 ab	893 ab
N13048+ol	0.6	0.4	96 ab	6.0	31 c-i	6 e-i	6.0	2.5	1.9	58 e-g	68 b-g	16.37 b-d	5618 a	908 a
N13049olJ	1.0	1.2	95 a-d	6.2	29 e-j	7 d-i	5.2	3.9	2.6	56 gh	67 c-h	15.83 d-f	5118 a-c	794 a-d
N13054ol	1.1	0.8	96 a-c	6.2	28 g-j	10 c-e	6.2	2.7	1.0	56 fg	66 gh	16.18 b-e	4801 a-e	769 a-d
N13057olL	0.7	1.0	96 ab	6.1	33 a-e	5 h-j	4.9	3.1	2.5	56 fg	67 d-h	15.92 c-e	5007 a-c	782 a-d
N13058olSm	0.9	1.1	95 a-d	6.3	29 f-j	6 f-j	5.5	2.5	4.8	53 h	65 h	15.04 f	5137 a-c	682 d
N14035olSmT	0.5	1.1	91 c-e	6.3	31 b-h	8 d-i	2.1	5.0	1.4	58 c-g	67 d-h	15.82 d-f	4385 c-e	690 cd
Mean	1.1	0.9	92	6.1	31	9	3.4	3.2	1.6	60	68	16.36	4966	800
LSD_{0.05}³	1.4	0.8	5	0.3	4	4	1.9	1.2	1.4	4	2	0.01	906	167

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³ Fisher's least significant difference (LSD) at P = 0.05

2016 Results by Location

Table 21. Performance of genotypes at Bladen County, NC, in 2016. Averages of three replicated plots planted on 11 May, dug on 27 September, and combined on 5 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.5	0.9	87 b-g	7.6	34 d-h	11 h-l	1.9	3.4	0.6	63 c-e	69 d-j	17.00 g-k	4612 d	784 g
Sugg	0.4	0.7	87 b-g	6.9	36 a-h	19 cd	2.4	2.6	1.0	64 a-c	70 b-f	17.52 b-g	4587 d	804 fg
Sullivan	0.6	1.4	83 hi	7.0	33 e-h	11 h-l	2.8	3.5	1.1	61 d-f	68 ij	16.55 i-k	4882 cd	808 e-g
Wynne	0.9	1.0	90 b-e	7.4	38 a-g	20 b-d	2.2	2.2	1.0	65 a-c	71 a-f	17.73 a-f	5404 a-c	953 a-e
08X09-3-14-1	0.5	1.4	81 hi	8.7	33 e-h	16 d-g	0.6	3.6	0.9	65 a-c	69 d-i	17.11 f-i	4914 b-d	841 d-g
09X38-1-5-1	0.5	0.4	93 ab	6.9	39 a-f	24 ab	4.2	1.8	0.3	66 a-c	72 a	18.44 a	5803 a	1069 a
09X39-1-11-2	0.5	0.7	87 b-g	7.6	35 b-h	27 a	2.4	3.0	0.7	66 a-c	72 a	18.12 a-c	5551 a-c	1006 a-c
N10046ol	0.4	1.3	88 b-g	7.8	42 a-c	18 c-f	1.4	1.9	0.8	68 a	72 a-c	18.09 a-c	5295 a-d	958 a-d
N11020olJ	0.5	0.9	96 a	7.2	39 a-e	22 bc	1.2	2.1	0.9	64 bc	68 g-j	17.25 e-i	5249 a-d	905 b-g
N11028ol	0.4	0.7	92 a-d	6.8	42 a-c	15 e-h	3.3	2.2	0.7	65 a-c	71 a-d	17.82 a-f	5683 a	1013 a-c
N12006ol	0.5	0.9	88 b-g	7.6	36 b-h	13 g-j	1.5	3.1	0.9	64 a-c	70 c-h	17.20 e-i	4903 cd	843 d-g
N12007ol	0.4	1.0	87 c-g	7.0	38 a-f	16 d-g	2.3	2.9	0.8	64 bc	70 c-g	17.42 c-h	5430 a-c	946 a-f
N12008olCLSmT	0.3	0.8	90 b-f	7.3	44 a	18 c-e	2.0	2.3	0.6	67 ab	72 ab	18.17 ab	5756 a	1046 ab
N12009olCLT	0.5	0.6	86 d-h	7.0	41 a-d	16 d-g	2.9	2.8	0.4	66 a-c	72 a-c	17.98 a-d	5477 a-c	987 a-d
N12010ol	0.2	0.9	90 b-e	7.1	40 a-e	18 c-e	3.2	2.7	0.2	65 a-c	71 a-c	18.01 a-c	5820 a	1047 ab
N12014ol	0.4	1.1	84 f-h	7.0	36 b-h	10 i-l	2.2	2.7	0.6	65 a-c	71 a-f	17.50 b-g	5414 a-c	947 a-f
N12015ol	0.6	1.2	85 e-h	8.1	37 a-h	5 m	1.2	3.4	0.9	65 a-c	71 a-e	17.29 d-h	5286 a-d	914 b-g
N13003olF	0.2	1.0	85 e-h	7.3	42 ab	9 j-m	2.5	1.8	0.3	66 a-c	71 a-f	17.83 a-e	5266 a-d	939 a-f
N13006ol	0.5	1.0	91 a-d	6.9	40 a-e	14 f-i	2.8	2.0	0.5	64 b-d	69 d-i	17.45 b-h	5375 a-c	938 a-f
N13048+ol	0.4	0.9	92 a-c	7.5	29 h	8 lm	6.5	2.7	1.9	57 g	68 h-j	16.41 jk	5631 ab	911 b-g
N13049olJ	0.6	1.0	93 ab	6.8	30 gh	10 i-l	6.9	2.3	1.4	58 fg	69 f-j	16.85 g-k	5515 a-c	923 a-g
N13054ol	0.6	0.8	88 b-g	7.0	34 c-h	10 i-l	6.4	2.4	1.2	60 e-g	70 b-g	17.26 e-i	5397 a-c	925 a-g
N13057olL	1.0	1.3	93 ab	7.2	33 e-h	11 h-l	5.2	2.6	1.3	59 fg	68 g-j	16.57 h-k	5820 a	968 a-d
N13058olSm	0.5	1.1	93 ab	7.1	31 f-h	8 k-m	5.0	3.3	1.3	58 fg	67 j	16.31 k	5349 a-c	866 c-g
N14035olSmT	0.3	1.7	78 i	7.5	36 a-h	13 g-k	1.7	3.7	0.6	63 c-e	69 e-j	17.01 g-k	4598 d	782 g
Mean	0.5	1.0	88	7.3	37	14	3.0	2.7	0.8	64	70	17.40	5321	925
LSD_{0.05}³	0.4	0.8	6	0.9	8	4	1.7	0.9	1.0	3	2	0.01	724	148

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05

2016 Results by Location

Table 22. Performance of genotypes at Blackville, SC, in 2016. Averages of two replicated plots planted on 10 May, dug on 27 September and combined on 3 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.6	0.6	89 a	5.4	40 a-c	9.0	3.3	0.8	57 b-f	70 a-f	17.14 a-e	4556 a-d	778 a-e
Sugg	1.0	1.2	90 a	5.4	41 ab	10.2	3.0	1.1	57 b-g	71 a-e	17.29 a-e	3967 b-e	680 b-f
Sullivan	0.3	1.4	87 ab	5.6	38 a-e	8.2	3.3	1.2	56 b-g	69 a-g	16.62 a-e	4210 a-e	694 b-f
Wynne	0.3	1.8	89 a	5.5	34 b-f	10.6	3.5	0.8	49 g-j	64 f-i	15.54 e-g	4104 a-e	639 d-h
08X09-3-14-1	0.8	1.9	81 a-c	5.4	33 c-f	11.0	3.5	1.5	51 f-i	67 c-h	15.94 c-f	4562 a-d	721 b-f
09X38-1-5-1	0.4	1.6	89 a	5.5	30 d-h	14.9	2.7	1.8	42 jk	61 hi	14.68 f-h	4482 a-c	648 d-h
09X39-1-11-2	0.5	1.3	87 ab	5.4	40 a-c	9.7	4.0	0.8	55 c-h	69 a-g	16.71 a-e	4793 a-c	799 a-d
N10046ol	0.5	1.4	87 a	5.4	40 a-c	7.4	3.0	0.8	58 a-e	69 a-g	16.98 a-e	4208 a-e	714 b-f
N11020olJ	0.5	2.4	88 a	5.4	37 a-e	7.2	3.6	1.7	53 d-i	65 d-i	15.62 d-g	3795 c-f	586 e-h
N11028ol	0.6	1.3	90 a	5.5	30 d-h	8.8	3.2	0.8	58 a-f	70 a-f	17.05 a-e	5135 a	873 ab
N12006ol	0.5	1.1	90 a	5.5	39 a-c	7.0	2.9	0.6	61 a-c	71 a-d	17.51 a-c	4585 a-c	801 a-d
N12007ol	0.4	1.0	88 a	5.4	37 a-e	10.3	3.1	2.1	52 e-i	67 b-h	16.04 c-f	4400 a-d	697 b-f
N12008olCLSmT	0.5	1.2	93 a	5.5	42 ab	8.5	3.2	0.8	58 a-f	70 a-f	17.20 a-e	5002 ab	858 a-c
N12009olCLT	0.4	0.8	92 a	5.4	43 ab	7.3	2.4	0.5	55 c-h	65 e-i	16.08 c-f	4791 a-c	775 a-e
N12010ol	0.6	1.3	88 a	5.4	40 a-c	9.3	2.8	2.2	56 b-h	70 a-f	16.81 a-e	4114 a-e	682 b-f
N12014ol	0.6	0.8	90 a	5.4	45 ab	8.0	2.8	1.3	59 a-e	71 a-e	17.38 a-d	3724 c-f	642 d-h
N12015ol	0.6	1.2	85 ab	5.4	33 c-f	8.0	2.6	1.7	59 a-d	71 a-d	17.18 a-e	4317 a-d	736 a-f
N13003olF	0.6	2.1	87 ab	5.6	30 e-h	12.6	3.4	1.1	49 g-j	66 c-h	15.95 c-f	3437 d-f	547 f-h
N13006ol	0.7	1.1	92 a	5.5	37 a-e	8.1	2.7	1.1	55 c-h	67 c-h	16.28 b-f	3788 c-f	614 d-h
N13048+ol	0.3	1.9	94 a	5.4	24 g-i	11.8	4.2	2.9	42 jk	61 hi	14.02 gh	4412 a-d	608 d-h
N13049olJ	0.5	2.1	60 e	5.5	14 j	13.6	4.2	3.2	31 l	52 j	11.56 i	4204 a-e	460 h
N13054ol	0.4	1.9	90 a	5.5	23 hi	9.8	4.2	2.2	47 i-j	63 g-i	14.59 f-h	4601 a-c	663 c-g
N13057olL	0.5	1.6	88 a	5.5	26 f-i	8.2	4.1	2.3	48 h-j	63 g-i	14.57 f-h	4064 a-e	580 e-h
N13058olSm	0.6	2.1	91 a	5.5	19 ij	9.3	6.2	3.3	40 k	59 i	12.91 hi	4952 ab	605 d-h
N14035olSmT	0.4	2.2	80 a-d	5.5	40 a-c	6.9	2.8	0.7	60 a-d	70 a-f	17.24 a-e	4161 a-e	717 b-f
Ga06G	1.2	0.9	64 de	5.4	33 c-g	10.1	3.0	0.4	61 a-c	75 a	17.90 ab	4223 a-e	754 a-e
Ga12Y	1.2	1.5	15 f	5.5	23 hi	3.9	5.3	0.5	55 c-h	64 f-i	14.83 fg	3137 ef	629 d-h
Ga13M	1.4	1.0	14 f	5.5	25 f-i	7.5	4.4	0.8	60 a-d	73 a-c	16.93 a-e	3945 b-e	669 c-g
TufRunner 297	1.5	0.8	65 c-e	5.4	40 a-c	7.3	2.4	0.7	65 a	75 a	18.17 a	5125 a	929 a
TufRunner 511	1.0	0.9	56 e	5.4	39 a-d	7.1	3.0	0.4	62 ab	73 a-c	17.59 a-c	4085 a-e	713 b-f
TufRunner 727	1.9	0.8	70 b-e	5.5	33 c-g	14.2	2.8	0.9	56 b-h	73 ab	17.53 a-c	2709 f	474 gh
Mean	0.7	1.4	80	5.5	34	9.2	3.4	1.3	54	68	16.19	4245	687
LSD_{0.05}³	0.4	0.8	17	0.2	9	3.3	1.5	1.4	7	7	0.02	1143	199

¹All yields are net, adjusted to 7% standard moisture and foreign material is deducted.²Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³Fisher's least significant difference (LSD) at P = 0.05.

2016 Results across Locations

Table 23. Performance of genotypes averaged across test locations in 2016.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.7	0.8	86 d-g	6.8	31 b-h	6 f-j	3.9	3.0	1.6	60 a-e	69 c-f	16.56 d-f	4317 a-d	711 b-e
Sugg	0.7	1.0	86 c-g	6.6	31 b-h	9 b-g	4.3	3.4	2.5	58 b-f	68 c-f	16.23 d-g	3968 b-d	629 b-f
Sullivan	0.8	1.1	85 e-g	6.8	27 d-j	8 d-i	4.2	3.3	2.3	57 b-g	67 c-g	15.94 e-h	4156 b-d	650 b-f
Wynne	0.8	1.2	89 a-e	6.9	28 c-j	10 b-e	4.6	3.0	2.8	56 c-h	67 d-i	15.76 e-h	4085 b-d	627 b-f
08X09-3-14-1	0.7	1.3	81 g	7.6	24 g-j	11 bc	2.9	3.8	2.8	58 b-g	67 c-f	15.81 e-h	4471 a-d	689 b-e
09X38-1-5-1	0.6	0.9	93 ab	6.5	29 c-j	17 a	7.9	2.3	2.6	56 c-h	69 c-e	16.65 b-f	4615 a-d	753 a-e
09X39-1-11-2	0.9	0.9	87 a-g	6.5	28 c-j	17 a	4.4	3.2	2.5	59 a-f	69 c-e	16.56 d-f	4581 a-d	742 b-e
N10046ol	0.7	1.2	88 a-f	6.9	32 a-g	9 b-f	3.7	2.8	2.9	60 a-f	69 c-e	16.48 d-f	4186 b-d	662 b-f
N11020olJ	0.6	1.7	93 a	6.9	27 c-j	12 b	3.2	3.3	4.1	54 f-h	65 g-i	14.90 h-j	3869 d	550 ef
N11028ol	0.5	1.0	89 a-e	6.6	29 c-i	6 e-j	4.2	2.9	1.8	59 a-f	68 c-f	16.39 d-f	4693 a-d	771 a-c
N12006ol	0.8	0.9	87 a-g	6.8	31 b-h	7 d-j	3.2	2.9	1.5	62 a-c	70 b-d	16.84 b-e	4491 a-d	753 a-e
N12007ol	0.6	0.8	87 b-g	6.7	33 a-f	8 c-h	4.4	2.7	2.1	60 a-f	69 c-e	16.67 b-f	4495 a-d	742 b-e
N12008olCLSmT	0.7	0.9	89 a-e	6.7	35 a-d	10 b-e	4.0	2.8	2.1	60 a-e	69 cd	16.76 b-e	4856 ab	809 ab
N12009olCLT	0.8	0.8	89 a-e	6.7	35 a-c	10 b-d	4.0	2.7	1.8	60 a-e	69 c-e	16.79 b-e	4635 a-d	772 a-c
N12010ol	0.6	0.9	88 a-f	6.9	34 a-e	9 b-g	4.7	2.7	2.0	60 a-f	69 cd	16.73 b-e	4581 a-d	756 a-d
N12014ol	0.7	1.0	85 e-g	6.5	32 a-g	6 g-j	4.0	2.9	2.6	59 a-f	69 c-e	16.41 d-f	4435 a-d	710 b-e
N12015ol	0.8	1.1	85 e-g	7.3	31 b-h	4 j	3.6	3.2	2.4	61 a-d	70 bc	16.56 d-f	4358 a-d	706 b-e
N13003olF	0.6	1.2	85 e-g	6.6	32 b-g	4 j	4.5	2.6	1.2	60 a-e	68 c-f	16.63 c-f	4422 a-d	739 b-e
N13006ol	0.8	1.3	91 a-e	6.6	33 a-f	5 h-j	4.6	2.6	2.1	57 b-g	67 d-h	16.02 d-h	4642 a-d	737 b-e
N13048+ol	0.5	1.2	93 ab	6.7	23 h-j	4 j	7.6	3.1	4.7	50 hi	66 f-i	14.94 h-j	4836 a-c	664 b-f
N13049olJ	0.7	1.2	87 b-g	6.7	20 j	5 ij	7.6	3.7	4.7	48 i	64 i	14.24 ij	4409 a-d	580 c-f
N13054ol	0.7	1.1	92 a-d	6.7	25 f-j	7 d-j	7.7	2.9	3.5	52 g-i	66 e-i	15.41 f-i	4704 a-d	688 b-e
N13057olL	0.7	1.2	92 a-c	6.7	26 e-j	5 h-j	6.2	3.4	4.1	52 g-i	66 f-i	15.06 g-j	4607 a-d	650 b-f
N13058olSm	0.6	1.4	92 a-d	7.2	22 ij	5 ij	6.8	3.9	5.7	47 i	64 hi	14.02 j	4530 a-d	559 d-f
N14035olSmT	0.4	1.4	82 fg	6.9	29 c-i	8 c-i	3.5	3.5	2.2	59 b-f	67 c-g	16.12 d-h	3994 b-d	637 b-f
Ga06G	1.2	0.9	64 h	5.4	33 a-g		10.1	3.0	0.4	61 a-d	75 a	18.25 a	4223 a-d	769 a-c
Ga12Y	1.2	1.5	15 j	5.5	23 h-j		3.9	5.3	0.5	55 e-h	64 hi	15.11 g-j	4237 a-d	641 b-f
Ga13M	1.4	1.0	14 j	5.5	25 f-j		7.5	4.4	0.8	60 a-f	72 ab	17.26 a-d	3945 cd	682 b-f
TufRunner 297	1.6	0.8	65 h	5.4	40 a		7.3	2.4	0.7	65 a	75 a	18.52 a	5125 a	947 a
TufRunner 511	1.0	0.9	56 i	5.4	39 ab		7.1	3.0	0.4	62 ab	73 a	17.92 ab	4085 b-d	726 b-e
TufRunner 727	1.9	0.8	70 h	5.5	33 a-g		14.2	2.8	0.9	56 d-h	73 a	17.86 a-c	2709 e	483 f
Mean	0.8	1.1	80	6.5	30	8	5.5	3.1	2.3	58	68	16.30	4363	695
LSD_{0.05}³	0.5	0.5	6	1.1	8	3	2.9	1.2	2.4	6	3	0.01	906	203

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages by Location

RESULTS – TWO-YEAR AVERAGES

Table 24. Performance of genotypes at Tidewater AREC (Suffolk), VA. Two-year averages (2015-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.7	0.8	87 d-g	7.2	34 a-c	7 c-g	2.8	3.1	1.6	63 ab	70 a-c	16.98 ab	5156 a	869 a
Sugg	0.5	0.9	87 d-f	7.0	33 a-c	7 c-g	2.7	3.9	3.7	59 a-c	69 a-d	16.09 a-d	4540 b-e	704 b-f
Sullivan	1.0	0.9	91 bc	7.3	27 ef	9 a-e	2.6	3.8	2.9	59 a-c	68 c-f	15.92 b-d	4781 a-d	741 a-f
Wynne	1.5	1.9	94 ab	7.5	28 d-f	9 a-e	2.7	3.9	3.8	56 cd	66 f	15.20 d	4151 e	593 f
08X09-3-14-1	1.0	1.5	84 g	7.8	24 fg	12 a	1.6	4.5	3.7	59 a-c	69 b-e	15.77 cd	4322 de	656 d-f
N10046ol	0.8	1.1	94 ab	7.0	32 b-d	10 a-c	3.0	2.9	4.7	58 b-d	69 a-e	16.00 b-d	4286 de	627 ef
N11020olJ	0.7	2.7	96 a	7.5	21 g	12 ab	2.2	4.9	5.7	50 e	62 g	13.64 e	3486 f	423 g
N11028ol	0.7	1.2	91 bc	7.2	33 a-c	4 fg	2.6	3.3	2.0	60 a-c	68 d-f	16.20 a-d	5085 ab	814 a-c
N12007ol	0.7	1.0	89 c-f	7.6	36 a-c	6 e-g	2.2	3.2	2.6	61 ab	69 a-d	16.51 a-c	4717 a-e	765 a-e
N12008CLSmT	0.8	0.9	90 cd	7.2	36 ab	8 c-f	2.2	3.1	2.2	63 ab	70 ab	16.95 ab	5252 a	882 a
N12009CLT	1.0	1.0	88 c-f	7.1	37 a	9 a-d	2.7	2.9	2.1	63 a	71 a	17.17 a	5042 a-c	854 ab
N12010ol	0.8	1.0	89 c-e	7.6	35 a-c	8 b-e	2.4	3.1	2.5	62 ab	70 a-d	16.67 a-c	5048 a-c	823 a-c
N12014ol	0.8	1.4	87 e-g	7.3	34 a-c	5 e-g	3.0	3.3	4.2	59 a-c	69 a-d	16.04 b-d	4322 de	673 c-f
N12015ol	0.8	1.2	86 fg	7.7	31 c-e	3 g	1.9	3.9	2.2	62 ab	70 ab	16.67 a-c	4872 a-d	793 a-d
N13048+ol	0.7	1.1	95 a	7.1	24 fg	4 fg	5.3	3.8	3.8	54 de	67 ef	15.27 d	4965 a-c	714 b-f
Mean	0.8	1.2	90	7.3	31	8	2.7	3.6	3.2	59	68	16.07	4668	730
LSD_{0.05}³	0.7	0.7	3	1.0	5	4	1.5	2.0	2.0	5	2	0.01	601	154

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages by Location

Table 25. Performance of genotypes at Martin Co., NC. Two-year averages (2015-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	1.0	1.7	78 e	7.2	24 b-f	5 cd	3.1	3.5	2.2	57 a-d	66 a-d	15.53 a-d	3869 ab	594 a-d
Sugg	0.8	1.6	80 de	7.0	22 d-f	8 b	3.8	4.0	2.1	56 b-d	66 a-d	15.51 a-d	3583 b	548 b-d
Sullivan	1.0	1.7	77 e	7.2	20 f	4 cd	3.8	3.7	2.7	55 cd	65 b-d	15.07 cd	3593 b	524 cd
Wynne	1.3	1.4	85 bc	7.3	23 c-f	8 b	4.3	3.0	2.9	56 b-d	66 a-d	15.52 a-d	3756 b	569 b-d
08X09-3-14-1	2.5	1.5	80 de	8.0	21 ef	13 a	2.8	3.2	2.2	60 a	69 a	16.35 a	4543 a	735 a
N10046ol	1.2	1.5	84 bc	7.5	27 a	8 b	3.6	2.7	2.6	59 ab	68 a	16.17 ab	3765 b	599 a-d
N11020olJ	0.8	1.5	92 a	7.5	25 a-d	7 b	2.6	2.4	4.0	55 b-d	64 cd	14.97 d	3905 ab	555 b-d
N11028ol	0.8	1.3	83 cd	7.0	21 f	4 cd	3.6	3.7	3.0	54 d	65 b-d	14.98 d	3962 ab	574 b-d
N12007ol	1.0	1.1	83 b-d	7.1	26 a-c	8 b	3.4	2.4	2.1	60 a	68 a	16.35 a	4011 ab	651 a-c
N12008CLSmT	1.2	1.4	83 cd	6.9	27 ab	9 b	4.1	2.6	2.5	59 a-c	68 a	16.20 ab	4298 ab	685 ab
N12009CLT	1.1	1.2	85 bc	6.9	28 a	9 b	4.2	2.8	2.3	59 ab	68 a	16.30 a	4247 ab	683 ab
N12010ol	0.8	1.0	86 bc	6.9	26 a-c	7 bc	4.4	2.7	2.5	57 a-d	67 a-c	15.96 a-c	4024 ab	623 a-d
N12014ol	0.9	1.5	78 e	7.4	22 d-f	4 cd	3.9	3.6	3.1	55 b-d	66 a-d	15.29 b-d	3988 ab	589 b-d
N12015ol	1.1	1.4	82 cd	7.3	25 a-e	4 d	3.3	3.3	2.5	58 a-d	67 ab	15.84 a-d	4103 ab	638 a-c
N13048+ol	1.2	2.0	87 b	7.0	16 g	2 d	6.9	3.9	5.4	47 e	63 d	13.83 e	4101 ab	489 d
Mean	1.1	1.5	83	7.2	24	7	3.9	3.2	2.8	56	66	15.59	3983	604
LSD_{0.05}³	1.4	0.7	4	1.0	4	3	1.7	1.5	1.7	4	3	0.01	765	142

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages by Location

Table 26. Performance of genotypes at Rocky Mount, NC. Two-year averages (2015-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	1.1	2.2	87 a-c	7.4	34 a	5 e-g	1.9	2.3	0.9	66 a	71 a	17.50 a	4482 a-c	780 a-c
Sugg	1.1	2.4	86 bc	7.3	34 a	7 c-g	2.7	3.0	1.1	64 a	71 a	17.31 a	4967 a-c	856 a-c
Sullivan	0.5	3.8	87 a-c	7.5	33 a	7 c-g	3.0	2.5	0.4	64 a	70 a	17.28 a	4869 a-c	835 a-c
Wynne	1.1	1.3	90 a-c	7.4	33 a	9 b-f	3.1	1.7	1.5	63 a	70 a	17.20 a	4596 a-c	780 a-c
08X09-3-14-1	0.7	3.7	83 c	7.6	30 a	13 ab	1.3	3.4	1.2	65 a	71 a	17.33 a	4978 a-c	855 a-c
N10046ol	1.1	1.9	86 a-c	7.4	35 a	11 a-c	1.8	2.3	0.9	67 a	71 a	17.75 a	4289 bc	752 bc
N11020olJ	0.9	2.1	94 a	7.5	33 a	14 a	1.4	1.8	1.6	64 a	69 a	17.04 a	4534 a-c	765 a-c
N11028ol	0.7	2.8	89 a-c	7.1	33 a	8 b-f	2.9	2.2	1.1	64 a	70 a	17.19 a	5131 ab	879 a-c
N12007ol	0.6	1.7	87 a-c	7.4	36 a	11 a-c	2.9	1.8	0.6	66 a	71 a	17.86 a	4958 a-c	883 a-c
N12008CLSmT	0.8	1.6	88 a-c	7.1	37 a	10 a-d	2.8	2.5	0.7	65 a	71 a	17.58 a	5192 a	913 ab
N12009CLT	0.9	2.5	85 c	7.5	36 a	10 a-e	2.6	3.0	0.4	65 a	71 a	17.53 a	4148 c	725 c
N12010ol	0.9	1.8	90 a-c	7.3	36 a	10 a-d	2.7	2.4	0.5	66 a	71 a	17.79 a	5232 a	932 a
N12014ol	1.2	1.6	87 a-c	7.4	36 a	6 d-g	2.1	2.2	0.9	66 a	71 a	17.61 a	4706 a-c	820 a-c
N12015ol	1.4	3.9	86 a-c	6.8	33 a	3 g	2.9	3.0	0.9	65 a	72 a	17.60 a	4571 a-c	801 a-c
N13048+ol	0.8	1.1	93 ab	7.5	30 a	5 fg	4.6	2.0	1.3	62 a	69 a	17.06 a	5128 ab	866 a-c
Mean	0.9	2.3	88	7.3	34	9	2.6	2.4	0.9	65	71	17.44	4785	829
LSD_{0.05}³	0.6	3.7	8	2.2	7	5	1.4	1.6	1.2	8	5	0.02	878	167

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages by Location

Table 27. Performance of genotypes at Bladen, NC. Two-year averages (2015-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.6 a	1.2 a	88 b-e	7.4 a-d	33 ab	17 a-d	3.6	2.2	0.8	64 bc	71 ab	17.69 a-c	4309 a	758 a
Sugg	0.8 a	1.2 a	87 c-e	7.0 d	33 ab	21 ab	3.8	1.9	1.9	64 bc	72 a	17.77 a-c	3989 a	701 a
Sullivan	0.7 a	1.4 a	84 e	7.3 a-d	32 ab	16 b-d	3.2	2.5	0.8	63 cd	69 bc	17.25 c-e	4449 a	765 a
Wynne	1.2 a	1.6 a	89 a-d	7.6 a-d	34 ab	20 a-c	3.3	1.8	1.1	64 bc	70 a-c	17.59 a-d	4782 a	838 a
08X09-3-14-1	0.7 a	1.6 a	83 e	7.8 a	27 b	25 a	2.1	2.5	1.0	65 a-c	70 a-c	17.52 b-e	4297 a	751 a
N10046ol	0.7 a	1.5 a	87 c-e	7.8 ab	36 ab	22 ab	2.2	1.7	0.6	67 a	72 a	18.19 ab	4458 a	810 a
N11020olJ	1.0 a	1.7 a	94 a	7.1 b-d	32 ab	23 ab	3.4	1.7	2.9	61 d	69 c	16.79 e	4408 a	717 a
N11028ol	0.7 a	1.2 a	92 a-c	7.2 a-d	40 a	17 b-d	3.2	1.6	1.0	66 ab	72 a	18.05 ab	4907 a	883 a
N12007ol	0.9 a	1.3 a	86 de	7.1 cd	33 ab	22 ab	3.6	2.0	1.0	64 ab	71 a-c	17.69 a-c	4356 a	766 a
N12008CLSmT	0.8 a	1.6 a	86 de	7.3 a-d	38 a	20 a-c	3.4	1.8	0.9	66 a-c	72 a	18.14 ab	4719 a	856 a
N12009CLT	1.0 a	0.9 a	85 de	7.0 d	37 ab	19 a-c	2.9	2.2	0.6	66 ab	72 a	18.13 ab	4680 a	849 a
N12010ol	0.6 a	0.9 a	88 b-e	7.0 d	36 ab	21 ab	3.7	2.0	0.5	66 ab	72 a	18.27 a	4983 a	908 a
N12014ol	0.8 a	1.8 a	84 e	7.3 a-d	37 ab	13 cd	2.8	1.8	1.4	66 ab	72 a	17.95 a-c	4430 a	788 a
N12015ol	1.0 a	1.8 a	88 b-e	7.7 a-c	38 a	10 d	2.5	2.1	1.3	66 a-c	72 a	17.71 a-c	4597 a	808 a
N13048+ol	0.8 a	1.2 a	92 ab	7.5 a-d	30 ab	11 d	8.3	2.1	2.0	57 e	69 bc	16.89 de	4803 a	796 a
Mean	0.8	1.4	88	7.3	34	19	3.4	2.0	1.2	64	71	17.70	4544	800
LSD_{0.05}³	0.8	1.0	5	0.7	10	8	2.4	1.4	1.3	3	2	0.74	1385	242

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages by Location

Table 28. Performance of genotypes at Blackville, SC. Two-year averages (2015-16).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.6	1.2	87 b-d	5.6 a	37 ab	8.2	3.2	0.9	58 ab	70 ab	17.12 ab	4627 a-c	790 a-c
Sugg	0.7	1.5	87 a-d	5.6 a	37 ab	9.4	3.0	1.1	58 ab	71 a	17.47 a	3994 cd	694 b-e
Sullivan	0.4	1.6	89 a-c	5.8 a	34 ab	7.7	3.1	1.0	58 ab	70 ab	17.08 ab	4223 b-d	717 a-e
Wynne	0.5	1.9	90 ab	5.7 a	29 bc	10.3	3.0	0.9	53 b	68 a-c	16.52 a-c	4574 a-c	760 a-d
08X09-3-14-1	0.8	2.0	82 d	5.6 a	31 bc	9.6	2.7	1.0	56 ab	70 a-c	17.04 ab	4716 ab	802 a-c
N10046ol	0.5	1.7	87 a-d	5.6 a	36 ab	6.5	3.2	0.9	59 ab	70 a-c	17.03 ab	4317 b-d	734 a-e
N11020olJ	0.5	2.2	89 ab	5.6 a	31 bc	7.0	3.1	1.9	55 ab	67 bc	16.05 bc	3858 d	612 e
N11028ol	0.5	1.4	89 ab	5.6 a	31 bc	8.7	3.2	0.7	58 ab	70 ab	17.06 ab	4997 a	851 a
N12007ol	0.6	1.2	88 a-d	5.7 a	35 ab	9.1	2.8	1.4	56 ab	69 a-c	16.84 ab	4548 a-c	761 a-d
N12008CLSmT	0.8	1.6	88 a-c	5.6 a	35 ab	8.1	3.3	0.6	59 ab	70 ab	17.32 ab	4705 ab	813 ab
N12009CLT	0.5	1.4	89 ab	5.7 a	37 ab	8.7	2.6	0.7	57 ab	69 a-c	17.04 ab	4827 ab	824 ab
N12010ol	0.7	1.7	83 cd	5.7 a	37 ab	7.7	3.0	1.6	59 ab	71 ab	17.22 ab	4194 b-d	717 a-e
N12014ol	0.8	1.3	87 a-d	5.6 a	41 a	7.1	2.6	1.4	61 a	72 a	17.66 a	3837 d	673 c-e
N12015ol	0.5	1.4	86 b-d	5.7 a	33 a-c	7.7	2.7	1.5	59 ab	71 ab	17.69 a	4270 b-d	750 a-d
N13048+ol	0.5	1.9	93 a	5.7 a	25 c	12.7	3.8	1.9	47 c	65 c	15.39 c	4192 b-d	636 de
Mean	0.6	1.6	88	5.7	34	8.6	3.0	1.2	57	70	17.00	4392	742
LSD_{0.05}³	0.4	0.8	6	0.5	9	2.4	0.9	1.0	6	5	0.14	639	137

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Two-year Averages at All Locations

Table 29. Performance of genotypes at all locations. Two-year averages (2015-16).

Variety	%	%	%	%	%	%	%	%	%	%	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
	LSK	FM	Fancy	Water	ELK	SS	OK	DK	SMK	Total Kernels			
Bailey	0.8	1.4	84 f-h	7.1	31 a-c	3.6	3.0	1.5	61 ab	69 a-c	16.76 a-d	4495 a-d	751 a-d
Sugg	0.8	1.4	85 e-g	6.8	31 b-d	4.1	3.4	2.2	59 a-c	69 a-c	16.53 a-d	4171 de	680 cd
Sullivan	0.8	1.7	85 e-h	7.1	28 c-e	3.8	3.3	1.9	59 bc	68 c-e	16.22 cd	4327 b-e	693 b-d
Wynne	1.2	1.6	89 bc	7.2	28 c-e	4.4	2.9	2.4	58 cd	67 de	16.10 d	4252 c-e	672 d
08X09-3-14-1	1.3	1.9	82 h	7.5	25 ef	3.1	3.4	2.1	61 ab	69 a-c	16.59 a-d	4532 a-d	741 a-d
N10046ol	0.9	1.5	88 cd	7.2	32 ab	3.3	2.6	2.5	61 ab	69 ab	16.74 a-d	4161 de	676 d
N11020olJ	0.8	2.0	93 a	7.2	27 d-f	3.1	3.0	3.7	56 d	65 f	15.30 e	3940 e	579 e
N11028ol	0.7	1.5	88 cd	6.9	30 b-d	3.7	3.0	1.9	59 a-c	68 b-d	16.35 b-d	4723 ab	767 a-c
N12007ol	0.8	1.2	86 d-g	7.1	32 ab	3.8	2.5	1.8	61 ab	69 a-c	16.87 a-c	4474 a-d	749 a-d
N12008CLSmT	0.9	1.3	87 e-g	6.9	34 ab	3.8	2.7	1.6	62 a	70 a	17.05 a	4817 a	817 a
N12009CLT	1.0	1.3	87 d-f	6.9	34 a	4.0	2.7	1.5	62 ab	70 a	17.09 a	4605 a-c	782 a
N12010ol	0.8	1.2	87 c-e	7.0	33 ab	3.9	2.7	1.8	61 ab	70 a	16.93 ab	4651 a-c	778 ab
N12014ol	0.9	1.5	84 gh	7.1	32 ab	3.7	2.9	2.6	60 a-c	69 a-c	16.55 a-d	4268 c-e	686 cd
N12015ol	0.9	1.7	85 e-g	7.2	31 a-d	3.3	3.1	1.9	62 ab	70 a	16.85 a-c	4484 a-d	746 a-d
N13048+ol	0.8	1.5	92 ab	7.0	24 f	7.1	3.3	3.4	52 e	66 ef	15.36 e	4608 a-c	672 d
Mean	0.9	1.5	87	7.1	30	3.9	3.0	2.2	60	69	16.00	4434	719
LSD_{0.05}³	0.5	0.6	3	0.6	4	1.3	0.7	1.0	3	2	0.69	405	88

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages by Location

Table 30. Performance of genotypes at Tidewater AREC (Suffolk), VA. Three-year averages (2014-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.7	0.9	83 cd	7.6	34 ab	8 de	2.3	2.8	1.1	65 ab	71 ab	17.40 ab	5102 a-c	884 ab
Sugg	0.6	1.0	85 b-d	7.1	34 ab	7 de	2.4	3.1	2.5	63 ab	71 ab	16.90 ab	4431 de	730 cd
Sullivan	0.8	1.0	88 b	7.5	30 bc	11 c-e	2.2	3.2	2.0	63 ab	70 a-c	16.80 ab	4759 b-d	787 a-d
Wynne	1.2	1.7	94 a	7.6	29 c	12 bc	2.2	3.2	2.6	60 bc	68 cd	16.20 bc	4235 ef	663 de
N10046ol	0.8	1.1	94 a	7.3	33 a-c	15 ab	2.5	2.4	3.2	63 ab	71 ab	17.10 ab	4617 c-e	756 b-d
N11020olJ	1.2	2.2	96 a	7.5	24 d	17 a	1.8	3.8	3.9	56 c	66 d	15.20 c	3902 f	573 e
N11028ol	0.8	1.3	89 b	7.0	35 a	6 ef	2.4	3.0	1.4	62 ab	69 bc	16.90 ab	4973 a-c	830 a-c
N12007ol	0.7	1.0	86 bc	7.8	36 a	9 c-e	1.9	2.7	1.8	64 ab	71 ab	17.30 ab	4805 a-d	823 a-c
N12008CLSmT	0.7	1.0	86 bc	7.4	36 a	9 c-e	2.0	2.8	1.5	65 ab	71 ab	17.50 ab	5290 a	918 a
N12009CLT	1.0	1.0	86 bc	7.1	37 a	11 cd	2.4	2.5	1.5	66 a	72 a	17.80 a	5132 ab	904 a
N12010ol	0.8	1.0	86 bc	7.5	36 a	10 c-e	2.1	2.6	1.7	65 ab	71 ab	17.40 ab	4998 a-c	855 a-c
N12014ol	0.7	1.2	84 b-d	7.1	36 a	7 d-f	2.7	2.9	3.0	62 ab	71 ab	16.90 ab	4831 a-d	795 a-d
N12015ol	0.7	1.1	80 d	7.6	33 a-c	3 f	1.6	3.3	1.6	65 ab	72 a	17.30 ab	4960 a-c	846 a-c
Mean	0.8	1.2	87	7.4	33	7	2.2	2.9	2.1	63	70	17.00	4772	797
LSD_{0.05}³	0.7	0.5	5	1.0	4	4	11.9	1.0	1.8	5	3	1.30	491	140

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages by Location

Table 31. Performance of genotypes at Martin Co., NC. Three-year averages (2014-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.9	1.5	79 ef	7.3	27 a-d	6 bc	2.6	3.1	1.5	61 a	68 a	16.50 a	4261 a	707 a
Sugg	0.7	1.4	80 d-f	7.1	25 cd	7 a-c	3.2	3.4	1.5	61 a	69 a	16.50 a	4016 a	670 a
Sullivan	0.8	1.6	80 ef	7.3	25 d	7 a-c	3.1	3.3	1.8	59 a	68 a	16.20 a	4182 a	678 a
Wynne	1.1	1.3	88 b	7.3	27 a-d	10 ab	3.7	2.8	2.0	60 a	68 a	16.45 a	4254 a	700 a
N10046ol	1.0	1.3	88 b	7.4	31 ab	12a	2.9	2.3	1.7	63 a	70 a	17.20 a	4255 a	735 a
N11020olJ	0.7	1.4	94 a	7.5	27 a-d	12a	2.0	2.2	2.7	60 a	67 a	16.10 a	4338 a	691 a
N11028ol	0.8	1.3	85 bc	7.1	25 cd	6 bc	3.1	3.3	2.0	59 a	67 a	16.00 a	4556 a	730 a
N12007ol	0.9	1.0	83 c-e	7.2	31 a-c	8 a-c	3.0	2.2	1.4	63 a	70 a	17.20 a	4279 a	736 a
N12008CLSmT	1.0	1.2	84 b-d	7.1	29 a-d	10 ab	3.3	2.5	1.7	62 a	70 a	17.00 a	4608 a	781 a
N12009CLT	1.0	1.1	85 bc	7.0	33 a	9 ab	3.7	2.5	1.5	63 a	70 a	17.20 a	4629 a	799 a
N12010ol	0.7	1.0	84 bc	7.0	30 a-d	9 ab	3.8	2.5	1.7	62 a	70 a	17.00 a	4505 a	761 a
N12014ol	0.7	1.4	78 f	7.4	26 b-d	7 a-c	3.5	3.1	2.1	60 a	70 a	16.40 a	4273 a	693 a
N12015ol	1.0	1.3	78 f	7.4	27 a-d	3 c	3.0	3.0	1.7	62 a	70 a	16.70 a	4539 a	761 a
Mean	1.0	1.3	84	7.2	28	8	3.1	2.8	1.8	80	69	16.70	4361	726
LSD_{0.05}³	1.0	0.5	4	0.7	6	6	1.4	1.1	1.5	6	4	0.01	834	195

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages by Location

Table 32. Performance of genotypes at Rocky Mount, NC. Three-year averages (2014-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.9	1.6	85 b-d	6.9	36 a	7 cd	2.5	1.9	0.7	67 a	73 a	18.05 a	4778 a	863 a
Sugg	0.9	1.7	84 cd	6.9	36 a	7 cd	3.3	2.6	0.8	66 a	73 a	17.90 a	5107 a	914 a
Sullivan	0.4	2.8	87 b-d	7.0	34 a	9 b-d	3.0	2.2	0.4	66 a	71 a	17.78 a	5232 a	930 a
Wynne	0.9	1.1	92 ab	6.9	33 a	14 ab	3.1	1.6	1.1	66 a	72 a	17.88 a	4815 a	857 a
N10046ol	0.9	1.5	90 a-c	6.9	34 a	18 a	2.4	1.9	0.6	68 a	73 a	18.29 a	4718 a	861 a
N11020olJ	0.7	1.5	96 a	6.9	34 a	18 a	1.4	1.6	1.3	67 a	71 a	17.78 a	4839 a	860 a
N11028ol	0.5	2.1	90 a-c	6.7	36 a	10 bc	2.9	2.0	0.9	65 a	71 a	17.67 a	5405 a	956 a
N12007ol	0.5	1.3	85 b-d	6.9	38 a	11 bc	3.4	1.7	0.5	67 a	73 a	18.29 a	5329 a	976 a
N12008CLSmT	0.7	1.2	83 cd	6.7	38 a	10 bc	3.2	2.0	0.6	67 a	73 a	18.19 a	5547 a	1014 a
N12009CLT	0.7	1.7	85 b-d	7.0	38 a	13 a-c	3.1	2.2	0.3	67 a	73 a	18.24 a	4720 a	868 a
N12010ol	0.8	1.3	87 b-d	6.8	39 a	11 bc	3.5	2.0	0.5	67 a	73 a	18.38 a	5237 a	963 a
N12014ol	0.9	1.4	85 b-d	6.9	38 a	8 b-d	2.6	2.1	0.9	67 a	73 a	18.03 a	4718 a	844 a
N12015ol	1.0	2.7	82 d	6.5	35 a	2 d	3.0	2.5	0.8	67 a	74 a	18.08 a	4847 a	877 a
Mean	0.7	1.7	87	6.8	36	11	2.9	2.0	0.7	67	73	18.00	5022	906
LSD_{0.05}³	0.5	2.7	7	1.6	6	6	1.2	1.2	0.8	6	4	1.49	839	195

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages by Location

Table 33. Performance of genotypes at Bladen, NC. Three-year averages (2014-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.5	1.1	87 b-d	6.8	33 ab	15 b	4.6	2.3	0.7	65 cd	72 ab	17.94 ab	4305 ab	769 b
Sugg	0.7	1.2	87 b-d	6.6	35 ab	19 ab	4.8	1.8	1.5	65 b-d	73 a	17.17 ab	4277 b	774 ab
Sullivan	0.6	1.3	86 cd	6.8	33 ab	15 b	4.4	2.1	0.7	64 cd	71 ab	17.82 ab	4836 ab	865 ab
Wynne	1.3	1.4	90 bc	6.9	34 ab	18 ab	3.9	1.9	0.8	65 b-d	71 ab	17.91 ab	4624 ab	825 ab
N10046ol	0.6	1.3	87 b-d	7.1	37 ab	20 ab	3.0	1.6	0.5	68 a	73 ab	18.46 a	4798 ab	888 ab
N11020olJ	0.8	1.6	95 a	6.7	32 b	24 a	4.0	1.4	2.1	63 d	70 b	17.43 b	4592 ab	787 ab
N11028ol	0.5	1.1	90 bc	6.7	40 a	14 bc	3.9	1.7	0.8	66 a-c	73 ab	18.26 ab	5385 a	982 ab
N12007ol	0.7	1.1	87 b-d	6.6	35 ab	18 ab	4.4	1.8	0.8	65 a-d	72 ab	18.14 ab	4784 ab	868 ab
N12008CLSmT	0.6	1.4	86 cd	6.8	38 ab	18 ab	4.4	1.7	0.7	67 a-c	73 a	18.54 a	5154 ab	959 ab
N12009CLT	0.9	0.9	86 b-d	6.6	37 ab	18 ab	3.9	1.8	0.4	67 ab	73 a	18.54 a	4998 ab	929 ab
N12010ol	0.5	0.9	87 b-d	6.6	37 ab	18 ab	4.9	1.7	0.4	66 a-c	73 a	18.57 a	5315 ab	987 a
N12014ol	0.6	1.5	84 d	6.8	37 ab	13 bc	4.4	1.7	1.0	66 a-c	73 a	18.35 a	4607 ab	841 ab
N12015ol	0.8	1.5	87 b-d	7.1	38 ab	8 c	4.0	1.9	1.1	66 a-c	73 a	18.16 ab	4857 ab	880 ab
Mean	0.7	1.2	88	6.8	36	17	4.2	1.8	0.9	66	72	18.00	4810	873
LSD_{0.05}³	0.6	0.7	4	1.0	7	7	2.5	1.0	1.1	3	3	0.88	1080	216

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages by Location

Table 34. Performance of genotypes at Blackville, SC. Three-year averages (2014-2016).

Variety	%	%	%	%	%	%	%	%	%	%	Support	Yield ¹	Value
	LSK	FM	Fancy	Water	ELK	SS	OK	DK	SMK	Total	Price	lb/A	\$/A
										Kernels	\$/cwt		
Bailey	0.9	1.7	81 cd	5.6	31 ab	8.8	2.9	1.0	59 b-d	72 ab	17.67 ab	3766 a-c	659 a-d
Sugg	1.0	1.9	87 ab	5.5	32 a	9.4	2.6	1.2	60 a-d	73 a	17.99 a	3523 bc	628 b-d
Sullivan	0.8	1.7	86 b	5.7	30 ab	8.6	2.9	0.7	60 a-d	72 ab	17.78 ab	3784 a-c	668 a-d
Wynne	1.4	2.5	88 ab	5.6	27 ab	10.4	2.7	1.3	57 d	71 ab	17.38 ab	3737 a-c	643 b-d
N10046ol	1.2	2.0	86 b	5.6	28 ab	6.8	2.5	0.9	63 a	73 a	18.12 a	3712 a-c	667 a-d
N11020olJ	0.9	2.3	91 a	5.6	25 b	7.8	2.5	1.6	58 cd	70 b	17.02 b	3529 bc	592 cd
N11028ol	1.1	2.4	84 bc	5.6	29 ab	10.3	3.0	1.1	58 cd	72 ab	17.54 ab	4405 a	768 a
N12007ol	0.8	1.4	87 ab	5.7	29 ab	9.0	2.6	1.1	59 b-d	72 ab	17.65 ab	3991 ab	697 a-c
N12008CLSmT	0.8	1.9	85 bc	5.6	31 ab	8.5	2.9	0.9	60 a-c	73 a	17.88 a	3945 ab	699 a-c
N12009CLT	0.9	1.8	86 b	5.6	30 ab	9.2	2.6	0.8	59 b-d	72 ab	17.76 ab	4107 ab	724 ab
N12010ol	1.1	1.9	85 bc	5.6	31 ab	9.3	2.5	1.5	60 a-d	73 a	18.00 a	3859 a-c	686 a-c
N12014ol	1.2	1.7	83 b-d	5.6	34 a	7.7	2.5	1.6	62 ab	74 a	18.04 a	3160 c	563 d
N12015ol	1.5	1.9	79 d	5.6	32 a	8.2	2.8	1.5	60 a-c	73 a	17.96 a	3523 bc	626 b-d
Mean	1.1	1.9	85	5.6	30	8.7	2.7	1.1	60	72	17.75	3772	663
LSD_{0.05}³	0.6	0.7	5	0.2	7	1.6	0.7	0.6	3	3	0.85	703	116

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

Three-year Averages at All Locations

Table 32. Performance of genotypes at all locations. Three-year averages (2014-2016).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price \$/cwt	Yield ¹ lb/A	Value \$/A
Bailey	0.8	1.4	82 fg	6.9	32 a-c	9 c	3.9	2.7	1.1	63 a-c	71 a-d	17.37 a-d	4477 b-d	776 a-d
Sugg	0.8	1.4	84 ef	6.7	32 bc	11 bc	4.3	2.9	1.6	62 a-d	71 a-c	17.31 a-d	4224 cd	726 c-e
Sullivan	0.7	1.6	85 e	6.9	29 cd	11 bc	4.0	2.9	1.3	62 a-d	70 b-d	17.09 b-d	4499 b-d	766 b-d
Wynne	1.2	1.6	90 b	7.0	30 cd	13 b	4.3	2.6	1.7	61 cd	70 de	16.94 de	4282 cd	718 de
N10046ol	0.9	1.4	89 bc	6.9	32 a-c	17 a	3.4	2.2	1.7	64 a	72 ab	17.63 a-c	4408 b-d	769 b-d
N11020oIJ	0.9	1.8	94 a	6.9	28 d	18 a	3.2	2.5	2.6	60 d	68 e	16.44 e	4175 d	677 e
N11028ol	0.7	1.6	87 cd	6.7	32 a-c	8 c	4.2	2.7	1.4	62 b-d	70 cd	17.03 c-e	4905 a	834 ab
N12007ol	0.7	1.1	85 de	7.0	33 ab	12 b	4.0	2.3	1.3	64 ab	71 a-c	17.56 a-c	4582 a-c	803 a-c
N12008CLSmT	0.8	1.3	85 e	6.8	34 ab	12 b	4.0	2.5	1.2	64 ab	72 ab	17.65 ab	4876 a	860 a
N12009CLT	0.9	1.2	85 de	6.7	35 a	13 b	4.3	2.4	1.1	64 ab	72 a	17.78 a	4734 ab	841 ab
N12010ol	0.8	1.2	86 de	6.8	34 ab	12 b	4.5	2.4	1.3	64 ab	72 a	17.67 ab	4732 ab	831 ab
N12014ol	0.8	1.4	82 fg	6.8	34 ab	9 c	4.0	2.6	1.9	63 a-c	71 ab	17.32 a-d	4329 cd	738 c-e
N12015ol	1.0	1.6	81 g	7.0	32 a-c	4 d	3.7	2.8	1.4	64 ab	72 a	17.49 a-d	4554 a-c	792 a-d
Mean	0.8	1.4	86	6.9	32	11	4.0	2.6	1.5	63	71	17.00	4521	779
LSD_{0.05}³	0.3	0.4	2	0.5	3	3	1.1	0.5	0.7	3	2	0.61	366	83

¹ All yields are net, adjusted to 7% standard moisture and foreign material is deducted.

² Means sharing the same letter(s) are not statistically different, at P=0.05 based on the Fisher's protected LSD test.

³ Fisher's least significant difference (LSD) at P = 0.05.

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