2015

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

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PEANUT VARIETY AND QUALITY EVALUATION RESULTS 2015

I. Agronomic and Grade Data

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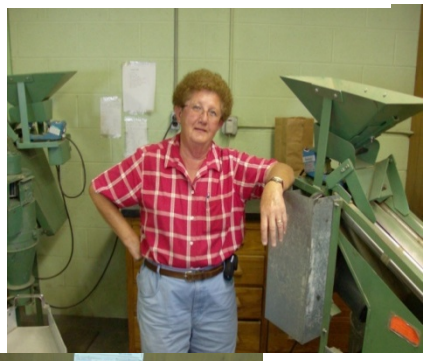
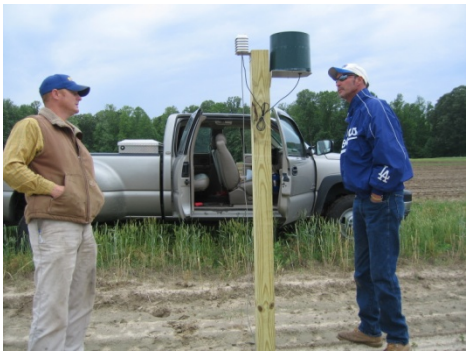
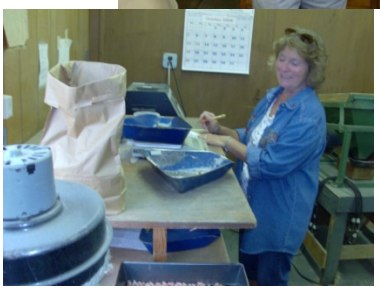
Carolyn Daughtrey, below





Doug Redd (left) and Frank Bryant (right)



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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:

Value = (Yield * Price)

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

Virginia-type = (((SMK + SS) * 4.915) + (OK * 1.4))/2000 + (((ELK+SXL) * 0.35)/2000)

Runner-type = ((((SMK + SS) * 4.819) + (OK * 1.4))/2000)

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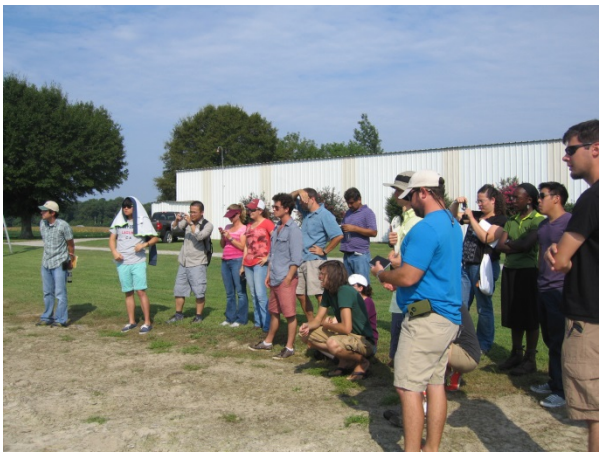
INTRODUCTION

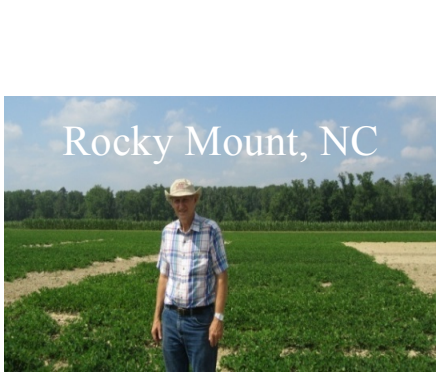
Due to suitability to the environmental conditions and existence of a strong peanut industry tailored to process primarily the large-seeded Virginia-type peanut, growers in Virginia, North Carolina, and South Carolina generally grow Virginia-type cultivars. In the view of a common interest in the Virginia-type 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 2015.



Plant Material and Test Locations

PLANT MATERIAL AND TEST LOCATIONS

In 2015, PVQE included 36 genotypes: 5 commercial varieties and 31 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 Spain and the 2013 releases, Sullivan and Wynne. Genotypes were planted from May 7 through 30 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 6 × 6 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

Table 1. Names and pedigree of the genotypes (advanced breeding lines and commercial varieties) evaluated in 2015.

Genotype Number	Variety or Line	Pedigree
1	Bailey	NC 12C*2 / N96076L
2	Sugg	Gregory // X98006 (F1)
3	Wynne	Bailey / X03034 (F01)
4	Sullivan	N03079FT / X03034(F01)
5	Spain	
6	07030-1-10-1	
7	07036-1-2-1	
8	08X09-3-14-1	
9	N09039olF	BC1F1-04-03-S-01-01-04: F08
10	N09042olF	BC1F1-04-03-S-03-01-02: F08
11	N10025olEJ	BC1F1-04-02-05-01-01-03: F08
12	N10046ol	BC1F1-03-01-01-02-01-01: F08
13	N10078olJC	BC1F1-05-01-S-01-S-04: F09
14	N11020olJ	F2-04-S-02-S-01: F09
15	N11028ol	F2-07-S-01-S-02: F08
16	N11034ol	F2-14-S-03-S-03: F09
17	N11051olJ	F2-05-S-02-S-02: F08
18	N12007ol	BC3F1-02-01-S-02-S-01: F09
19	N12008olCLSmT	BC3F1-02-01-S-02-S-02: F09
20	N12009olCLT	BC3F1-02-01-S-02-S-03: F09
21	N12010ol	BC3F1-02-01-S-02-S-06: F09
22	N12014ol	BC3F1-06-02-S-02-S-04: F09
23	N12015ol	BC3F1-06-02-S-02-S-01: F09
24	N13001ol	BC1F1-04-01-01-01-01-01: F09
25	N13008ol	BC1F1-02-02-01-01-02-03: F09
26	N13015olJ	F2-11-S-01-02-01: F09
27	N13021olJ	F2-02-S-01-01-01: F09
28	N13027olF	BC1F1-02-01-S-01-S-04: F09
29	N13041olJ	F1-01-03-S-01-S-01: F09
30	N13042ol	F1-01-03-S-01-S-02: F09
31	N13043olJ	F1-01-03-S-01-S-03: F09
32	N13047olJ	F1-01-03-S-03-S-02: F09
33	N13048+ol	F1-01-03-S-03-S-03: F09
34	N13052olL	F1-01-03-S-04-S-04: F09
35	N13056olSm	F1-02-01-S-02-S-04: F09
36	N13059ol	F1-01-01-S-01-S-03: F09

Plant Material and Test Locations

Table 2. Planting, digging and combining dates for each test location in 2015. Dig I was considered an early digging, and Dig II and optimum digging time for peanut in V-C area.

	Planting Date		Digging Date		Harvest Date	
Locations	**I**	**II**	**I**	**II**	**I**	**II**
Tidewater AREC, Suffolk, VA	May 7	May 7	Sept. 18	Oct. 7	Sept. 23	Oct. 14
Martin County, NC	May 26	May 26	Oct. 13	Oct. 23	Oct. 23	Oct. 30
Rocky Mount, NC	May 14		Oct. 12		Oct. 20	
Bladen County, NC	May 20		Oct. 14		Oct. 22	
Blackville, SC	May 12		Sept. 30		Oct. 21	

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 2015 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	70	83	58	73	463	0.6
June	79	90	69	81	686	7.5
July	79	90	70	82	724	4.6
August	76	89	66	82	635	2.6
September	73	84	65	76	522	5.3
October	61	72	51	64	232	3.6
Mean/Sum	73	85	63	76	3262	24.2

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 2015 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	70	82	60	76	465	445	1792	67	1.1
June	79	90	70	86	720	436	1697	71	2.9
July	79	90	71	87	735	412	1733	73	4.4
August	77	88	67	72	667	361	1647	86	4.5
September	73	83	65	79	540	263	1486	80	7.4
October	61	71	51	69	155	245	1260	77	5.0
Mean/Sum	73	84	64	78	3282	360	1603	76	25.3

[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 600µmol 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 2015 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	71	82	60	72	465	576	2306	67	2.4
June	79	89	69	82	690	602	2322	71	5.7
July	80	90	71	86	760	552	2386	72	2.1
August	77	88	67	82	645	489	2274	71	3.2
September	73	83	65	77	540	385	2072	79	9.8
October	60	71	51	65	255	305	1445	77	5.4
Mean/Sum	73	84	64	77	3355	485	2134	73	28.6

[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 600µmol m^{-2} s^{-1}. If these numbers are less, it denotes cloudy days, on which plants grow less.

Table 6. 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 air relative humidity (RH) at Bladen County, NC, in 2015 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	Rain
		°F		°F d	%	inch
May	71	83	59	465	73	2.0
June	80	92	70	750	74	6.5
July	81	93	71	806	74	4.2
August	77	89	69	713	79	3.5
September	75	86	67	615	82	3.8
October	63	77	53	279	80	13.0
Mean/Sum	75	87	65	3618	77	33.0

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 2015.

Planting Date:	May 7, 2015						
Harvest Date:	Dig I - September 23, 2015; Dig II - October 14, 2015						
Soil Type:	Enola, Nansemond, Uchee						
Soil Test Results:		lb/A				ppm	
	pH	P	K	Ca	Mg	Zn	Mn
	5.8	39	154	473	45	0.6	1.7
Cultivation:							
Landplaster:	6/22/2015	- Peanut Maker 1200 lbs/A					
Fertility:	5/7/2015	- Optimize 14.1 oz/A					
	6/29/2015	- Boron 9% 1 qt/A					
	7/20/2015	- Manganese 7% 1 qt/A					
	7/20/2015	- Sulfur 4% 1 qt/A					
	8/10/2015	- Boron 9% 1 qt/A					
Herbicides:	4/29/2015	- Dual 20 oz/A					
	5/14/2015	- Gramoxone 16 oz/A					
	5/14/2015	- Prowl H20 16 oz/A					
	5/14/2015	- Dual 12 oz/A					
	6/26/2015	- Select Plus 16 oz/A					
Insecticides:	5/7/2015	- Admire Pro 9 oz/A					
	5/30/2015	- Orthene 8 oz/A					
	7/20/2015	- Danitol 10 oz/A					
	8/10/2015	- Danitol 10 oz/A					
	9/8/2015	- Belt 3 oz/A					
Fungicides:	5/7/2015	- Proline 5.7 oz/A					
	7/14/2015	- Provost 10.7 oz/A					
	7/14/2015	- Omega 16 oz/A					
	9/8/2015	- Bravo 24 oz/A					

Cultural Practices

Table 8. Cultural practices at Martin Co., NC, for Digs I and II, in 2014.

Planting Date:	May 26, 2015	
Harvest Date:	Dig I – October 23, 2015; Dig II – October 30, 2015	
Soil Type:	Norfolk loamy fine sand	
Cultivation:	Conventional Till	
Landplaster:	6/24/2015	- Peanut Maker 1200 lbs/A
Fertility:	5/26/2015	- Optimize 14.1 oz/A
	7/16/2015	- Boron 9% 1 qt/A
	7/24/2015	- Manganese 7% 1 qt/A
	7/24/2015	- Sulfur 4% 1 qt/A
	8/13/2015	- Boron 9% 1 qt/A
Herbicides:	5/10/2015	- Dual 20 oz/A
	5/26/2015	- Gramoxone 16 oz/A
	5/26/2015	- Prowl H20 16 oz/A
	5/26/2015	- Dual 12 oz/A
	6/24/2015	- Select Plus 16 oz/A
Insecticides:	5/26/2015	- Admire Pro 9 oz/A
	6/13/2015	- Orthene 8 oz/A
	7/24/2015	- Danitol 10 oz/A
	8/13/2015	- Danitol 10 oz/A
	9/2/2015	- Belt 3 oz/A
Fungicides:	5/26/2015	- Proline 5.7 oz/A
	7/16/2015	- Provost 10.7 oz/A
	9/2/2015	- Bravo 24 oz/A

Cultural Practices

Table 9. Cultural practices at Rocky Mount, NC in 2015.

Planting Date:	May 14, 2015	
Harvest Date:	October 20, 2015	
Soil Type:	Aycock very fine sandy loam	
Cultivation:	Conventional Till	
Landplaster:	6/23/2015	- Landplaster 1200 lbs/A
Fertility:	4/22/2015	- Potash 0-0-60 17 lbs/A
	5/14/2015	- Optimize 14.1 oz/A
	7/14/2015	- Tec-mag 2 lbs/A
	7/28/2015	- Boron 2 lbs/A
Herbicides:	4/28/2015	- Pendi Pro 1.2 pt/A
	5/16/2015	- Dual Magnum 1.33 pt/A
	5/16/2015	- Warrant 1.2 qt/A
	6/15/2015	- Ultra Blazer 24 oz/A
	6/15/2015	- Cleanse 16 oz/A
	7/1/2015	- Butyrac 200 8 oz/A
	7/1/2015	- Basagran 1.5 pt/A
Insecticides:	5/7/2015	- Admire Pro 9 oz/A
	6/10/2015	- Orthene 97 0.5 lbs/A
	7/14/2015	- Asana XL 9.6 oz/A
	7/15/2015	- Lorsban 14G 14 lbs/A
	7/28/2015	- Steward 10 oz/A
	8/12/2015	- Danitol 2.4 EC 12 oz/A
	8/21/2015	- Sniper (bifenthrin) 6.4 oz/A
	8/24/2015	- Comite II 36 oz/A
	9/8/2015	- Blackhawk 3 oz/A
Fungicides:	5/14/2015	- Proline 5.7 oz/A
	7/14/2015	- Bravo Weatherstik 1.5 pt/A
	7/28/2015	- Tebucure 3.6 7 oz/A
	8/17/2015	- Omega 500 1.5 pt/A
	9/8/2015	- Bravo Ultra 1.36 lbs/A

Cultural Practices

Table 10. Cultural practices at Bladen County, NC in 2015.

Planting Date:	May 20, 2015	
Harvest Date:	October 22, 2015	
Cultivation:	Conventional Till	
Landplaster:	7/6/2015	- Gypsum 2200 lbs/A
Fertility:	3/10/2015	- 0-0-123 S-12.3, Mg 22.08, Mn 5.43
	7/14/2015	- Mn 0.3 oz/A
	7/27/2015	- Boron 0.28 lbs/A
	8/19/2015	- Mn 0.3 oz/A
Herbicides:	5/21/2015	- Valor 2 oz/A
	5/21/2015	- Dual 1.5 pt/A
	6/5/2015	- Cadre 4 oz/A
	6/5/2015	- Warrant 1 qt/A
	7/14/2015	- Butyrac 16 oz/A
Insecticides:	6/5/2015	- Orthene 4 oz/A
	7/7/2015	- Lorsban 13 lbs/A
	7/27/2015	- Double-Take 6 oz/A
	8/19/2015	- Belt 4 oz/A
Fungicides:	7/14/2015	- Abound 18 oz/A
	7/27/2015	- Folicur 7.2 oz/A
	8/19/2015	- Folicur 7.2 oz/A
	9/11/2015	- Abound 18 oz/A
	10/1/2015	- Bravo 1 qt/A

Cultural Practices

Table 11. Cultural practices at Blackville, SC in 2015.

Planting Date:	May 12, 2015	
Harvest Date:	October 21, 2015	
Soil Type:	Sandy loam	
Cultivation:	Conventional Till	
Landplaster:	5/1/2015	- Landplaster 2000 lbs/A
Fertility:	5/2/2015	- 0-0-60 100 lbs/A
Herbicides:	5/15/2015	- Valor 3 oz/A
	5/15/2015	- Prowl 2 pints/A
	6/4/2015	- Firestorm 9 oz/A
	6/4/2015	- Storm 1.5 pt/A
	6/25/2015	- 4 oz/A
	6/25/2015	- 2,4 DB 16 oz/A
	6/26/2015	- Arrow 2 EC 12 oz/A
Insecticides:	6/4/2015	- Acephate 90S 14 oz/A
	9/8/2015	- Belt 3 oz/A
Fungicides:	6/25/2015	- Bravo 24 oz/A
	7/17/2015	- Provost 10.7 oz/A
	7/31/2015	- Bravo 24 oz/A
	7/31/2015	- Convoy 13 oz/A
	8/14/2015	- Bravo 24 oz/A
	8/14/2015	- Convoy 13 oz/A
	9/8/2015	- Provost 10.7 oz/A

2015 Results by Location

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 2015 was a good year for peanut production but chalenging throughout the summer because of frequent and havy rainfalls. Harvest was problematic for some locations because of Hurricane Joaquin. Yield and grading was variable with location in 2015.

2015 Results by Location

RESULTS – PODS

Table 12. Average percent of jumbo pods[1] based on farmers' grade at all locations in 2015.

	Suffolk, VA		Martin County, NC		Rocky Mount,	Bladen,	Blackville,	Average of all
Variety	Dig I	Dig II	Dig I	Dig II	NC	NC	SC	Locations
Bailey	35 n-p	32 p-r	48 k-n	44 h-k	52 f-j	68 a-j	54 g-m	47.29 g-i
Sugg	39 l-p	32 qr	54 h-n	33 kl	50 g-l	60 e-l	46 l-n	44.64 h-j
Wynne	69 c-e	70 b-g	61 c-j	59 a-f	58 c-h	69 a-i	67 b-g	64.43 bc
Sullivan	43 k-n	46 m-o	45 m-o	42 h-k	42 j-l	59 f-l	56 f-m	47.21 g-i
Spain	70 b-e	77 a-c	60 b-j	64 a-c	61 a-h	71 a-g	68 b-f	67.00 a-c
07030-1-10-1	79 a-c	72 a-f	66 a-g	62 a-e	57 c-i	72 a-e	66 b-g	67.57 a-c
07036-1-2-1	79 a-c	79 ab	68 a-e	59 a-f	55 d-i	66 a-k	64 d-h	67.00 a-c
08X09-3-14-1	56 g-j	47 l-n	44 no	42 h-k	42 j-l	55 k-m	54 g-m	48.37 g-i
N09039olF	36 n-p	29 qr	47 l-n	35 j-l	39 kl	53 lm	24 o	37.36 jk
N09042olF	21 q	22 r	35 o	27 l	38 l	42 m	19 op	28.79 k
N10025olEJ	80 ab	69 b-h	69 a-d	70 a	72 ab	72 a-e	78 ab	72.50 ab
N10046ol	67 d-f	60 g-j	54 h-n	58 a-g	52 f-k	68 a-j	57 f-l	59.31 c-f
N10078olJC	53 h-k	45 no	53 i-n	47 f-j	53 e-j	71 a-f	65 c-h	55.07 d-g
N11020olJ	84 a	82 a	71 ab	69 a	70 a-c	72 a-e	76 a-d	74.71 a
N11028ol	48 i-l	48 k-n	58 d-l	50 e-i	58 c-h	72 a-e	53 h-m	55.07 d-g
N11034ol	85 a	74 a-e	76 a	70 a	73 a	71 a-f	78 a-c	74.93 a
N11051olJ	72 b-e	68 c-i	54 h-n	51 d-i	59 b-h	74 a-d	59 f-l	62.14 cd
N12007ol	47 j-m	39 n-q	52 i-n	46 g-j	50 g-l	62 d-l	46 l-n	48.50 g-i
N12008olCLSmT	32 op	32 qr	55 g-n	44 h-k	55 d-i	56 j-l	46 l-n	45.43 h-j
N12009olCLT	42 l-o	35 o-q	53 i-n	41 i-k	44 i-l	57 i-l	48 j-n	45.57 h-j
N12010ol	37 m-p	43 n-p	57 d-l	52 c-i	54 e-j	64 c-l	39 n	49.14 g-i
N12014ol	37 m-p	32 p-r	56 f-n	42 h-k	44 i-l	58 g-l	43 mn	44.29 ij
N12015ol	31 p	29 qr	56 f-n	46 g-j	48 h-l	76 a-c	54 g-m	48.29 g-i
N13001ol	58 f-i	58 i-l	51 j-n	37 j-l	55 e-j	58 h-l	49 i-n	52.15 f-i
N13008ol	39 l-p	36 n-q	65 a-h	44 h-k	55 e-j	71 a-f	47 k-n	50.79 f-i
N13015olJ	85 a	75 a-d	70 a-c	66 ab	73 a	77 ab	81 a	75.07 a
N13021olJ	71 b-e	65 d-j	60 b-j	60 a-e	70 a-c	68 a-j	73 a-e	66.50 a-c
N13027olF	40 l-p	46 m-o	60 f-m	44 h-k	54 e-j	73 a-d	60 f-k	53.00 e-h
N13041olJ	64 d-g	67 c-j	64 b-i	62 a-e	66 a-e	79 a	62 e-i	65.79 bc
N13042ol	65 d-g	56 j-m	58 d-l	54 b-h	65 a-f	68 a-j	65 c-h	61.24 c-e
N13043olJ	62 e-h	59 g-j	68 a-e	59 a-f	56 d-i	66 a-k	61 e-j	61.43 c-e
N13047olJ	67 d-f	62 f-i	67 a-f	58 a-g	64 a-f	67 a-k	65 c-h	64.00 bc
N13048+ol	64 d-g	61 g-j	62 b-j	50 d-i	64 a-f	77 ab	59 f-l	62.14 cd
N13052olL	73 b-d	58 h-k	59 c-k	62 a-d	62 a-g	70 a-h	63 d-h	63.79 c
N13056olSm	68 de	64 e-j	59 c-k	60 a-e	66 a-e	77 ab	65 c-h	65.43 bc
N13059ol	79 a-c	67 c-i	57 e-m	58 a-f	68 a-d	65 b-l	62 e-i	65.00 bc
Ga06G							6 pq	6.00 l
Ga11J							52 h-n	51.50 f-i
Ga12Y							1 q	0.50 l
TUFRunner511							4 q	4.00 l
Mean	**58**	**54**	**58**	**52**	**57**	**67**	**53**	**53.07**
LSD	**10**	**11**	**12**	**12**	**13**	**13**	**13**	**8.59**

[1]Pods that rode a 38/64 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.

2015 Results by Location

Table 13. Average percent of fancy pods[1] based on farmers' grade at all locations in 2015.

Variety	Suffolk, VA Dig I	Suffolk, VA Dig II	Martin County, NC Dig I	Martin County, NC Dig II	Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
Bailey	53 a-e	51 a-c	31 c-f	33 b-g	34 a-d	22 c-j	31 e-j	36.07 c-f
Sugg	52 b-e	53 ab	28 c-g	42 a	35 a-d	26 b-e	39 c-g	39.07 c-e
Wynne	24 g-j	25 i-m	27 c-h	28 e-j	26 d-i	20 d-k	25 i-m	25.00 k-p
Sullivan	50 b-e	46 b-d	31 b-e	33 a-g	40 a	26 b-e	35 d-i	37.14 c-e
Spain	23 g-k	19 m-o	28 c-g	25 g-l	31 a-g	18 f-k	21 j-m	23.29 l-q
07030-1-10-1	16 j-m	21 l-o	25 e-j	25 g-l	30 b-g	16 i-k	22 j-m	21.64 l-q
07036-1-2-1	16 j-m	15 no	19 i-k	20 j-l	28 c-i	21 c-k	22 j-m	19.86 n-q
08X09-3-14-1	29 f-h	38 d-g	39 ab	39 a-c	40 a	32 ab	29 g-j	34.86 f-h
N09039olF	56 ab	50 a-c	36 a-c	42 ab	40 a	28 bc	55 a	43.57 bc
N09042olF	53 a-d	49 a-c	42 a	36 a-e	36 a-c	38 a	49 a-c	43.00 cd
N10025olEJ	16 j-m	24 j-n	20 h-k	16 l	22 f-i	15 jk	15 lm	18.14 o-q
N10046ol	30 f-h	34 e-i	29 c-g	29 d-j	30 b-g	18 f-k	30 f-j	28.23 g-l
N10078olJC	45 de	46 b-d	28 c-g	30 c -i	36 a-c	19 e-k	26 h-l	32.64 e-j
N11020olJ	14 lm	46 a-d	23 f-k	25 g-l	21 g-i	21 c-k	15 m	18.64 o-q
N11028ol	44 e	42 c-f	27 d-h	31 c-h	28 c-i	20 d-k	36 d-h	32.36 e-k
N11034ol	12 m	18 m-o	15 k	19 kl	19 i	16 h-k	17 k-m	16.29 q
N11051olJ	22 h-l	23 k-o	27 d-i	31 c-h	31 a-f	17 g-k	26 h-k	25.07 j-o
N12007ol	46 c-e	48 a-d	34 a-d	35 a-e	33 a-e	24 c-h	43 b-d	37.21 c-e
N12008olCLSmT	61 a	56 a	29 c-g	37 a-e	29 b-h	27 b-d	38 c-g	39.43 c-e
N12009olCLT	50 b-e	49 a-c	34 a-d	38 a-d	33 a-e	27 b-d	39 c-g	38.29 c-e
N12010ol	54 a-c	14 o	31 b-e	35 a-f	33 a-e	23 c-i	39 c-g	37.14 c-e
N12014ol	53 a-d	50 a-c	27 d-h	32 c-g	38 ab	25 b-f	41 b-e	38.00 c-e
N12015ol	55 ab	56 a	28 c-g	38 a-d	35 a-d	15 i-k	34 d-i	37.07 c-e
N13001ol	34 f	35 e-h	35 a-d	38 a-c	31 a-f	24 b-g	39 c-g	33.23 e-i
N13008ol	51 b-e	49 a-c	23 e-j	35 a-e	33 a-e	19 e-k	41 b-f	35.50 d-g
N13015olJ	15 k-m	22 l-o	18 jk	21 i-l	19 i	13 k	15 lm	17.43 pq
N13021olJ	24 g-j	30 h-l	24 e-j	22 h-l	20 hi	17 g-k	21 j-m	22.21 l-q
N13027olF	53 a-d	43 b-e	29 c-g	30 c-i	35 a-d	17 g-k	31 e-j	33.86 e-i
N13041olJ	34 f	30 h-l	24 e-j	25 g-l	24 e-i	15 jk	26 h-k	25.21 j-o
N13042ol	31 fg	35 e-h	27 d-i	31 c-h	27 c-i	20 d-k	27 h-k	27.93 g-m
N13043olJ	34 f	34 e-j	22 g-k	25 g-l	33 a-e	19 e-k	30 f-j	27.93 g-m
N13047olJ	28 f-i	32 h-k	25 e-j	30 c-i	27 c-i	24 b-g	29 g-j	27.50 h-m
N13048+ol	33 f	33 f-j	24 e-j	36 a-e	27 c-i	15 jk	33 d-i	28.64 f-l
N13052olL	24 g-j	32 g-k	28 c-h	25 g-l	29 b-h	21 c-k	27 h-k	26.29 i-n
N13056olSm	30 f-h	30 h-l	27 d-i	26 f-k	24 e-i	15 i-k	27 h-k	25.21 j-o
N13059ol	19 i-m	27 h-m	28 c-h	28 e-k	22 f-i	22 c-j	29 g-j	24.71 l-p
Ga06G							51 ab	51.00 ab
Ga11J							21 j-m	20.50 m-q
Ga12Y							3 n	2.50 r
TUFRunner511							54 a	54.00 a
Mean	**36**	**36**	**27**	**30**	**30**	**21**	**31**	**30.14**
LSD	**9**	**10**	**8**	**9**	**10**	**8**	**11**	**3.48**

[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

2015 Results by Location

Table 14. Average of pod brightness[1] (Hunter L Score) for jumbo pods in 2015.

	Suffolk, VA		Martin County, NC		Rocky Mount,	Bladen,	Blackville,	Average of all
Variety	Dig I	Dig II	Dig I	Dig II	NC	NC	SC	Locations
Bailey	40.11 a-d	46.27 a	41.09 b-h	35.15 b-h	46.57 a-e	45.68 a-c	40.76 b-g	42.23 ab
Sugg	42.20 a	45.04 ab	41.67 a-g	34.84 b-i	47.97 a	44.36 a-g	41.84 a-d	42.56 a
Wynne	39.98 a-d	41.75 a-e	41.84 a-f	33.93 d-i	45.16 c-h	44.35 a-g	40.92 a-f	41.13 a-c
Sullivan	38.48 a-d	43.15 a-d	40.58 b-i	36.10 a-f	47.27 a-c	45.52 a-d	40.99 a-f	41.72 a-c
Spain	36.25 cd	40.66 b-e	39.50 e-i	32.40 hi	43.85 f-h	40.30 i	38.94 gh	39.84 bc
07030-1-10-1	37.27 b-d	40.45 b-e	39.17 g-i	33.23 f-i	43.74 gh	41.61 hi	38.68 h	39.16 a-c
07036-1-2-1	36.98 b-d	40.46 b-e	39.02 hi	32.18 i	44.37 e-h	44.41 a-g	40.78 b-g	39.74 a-c
08X09-3-14-1	35.87 d	37.50 e	38.46 i	32.69 g-i	44.26 e-h	42.81 f-h	39.17 f-h	38.68 c
N09039olF	40.32 a-d	43.23 a-d	40.43 b-i	35.87 a-f	43.22 h	45.09 a-f	39.89 e-h	41.15 a-c
N09042olF	39.14 a-d	41.68 a-e	42.29 a-d	37.10 a-c	47.28 a-c	44.48 a-g	41.37 a-e	41.90 a-c
N10025olEJ	39.15 a-d	41.23 b-e	41.02 b-i	33.68 d-i	46.29 a-e	41.66 hi	40.24 c-h	40.47 a-c
N10046ol	41.76 ab	40.46 b-e	43.93 a	35.58 a-g	45.33 b-h	44.84 a-g	41.60 a-e	41.93 a-c
N10078olJC	39.74 a-d	41.07 b-e	41.97 a-e	37.11 a-c	46.55 a-e	45.60 a-d	40.63 b-g	41.81 a-c
N11020olJ	40.47 a-d	40.83 b-e	42.14 a-d	35.43 a-g	44.73 d-h	43.32 d-h	41.39 a-e	41.18 a-c
N11028ol	40.50 a-d	41.43 a-e	40.71 b-i	35.49 a-g	46.38 a-e	44.94 a-g	41.41 a-e	41.55 a-c
N11034ol	39.79 a-d	38.70 de	40.45 b-i	34.42 b-i	46.77 a-d	42.77 gh	40.04 d-h	40.42 a-c
N11051olJ	40.44 a-d	42.83 a-d	40.62 b-i	35.98 a-f	46.72 a-d	44.68 a-g	40.93 a-f	41.74 a-c
N12007ol	38.54 a-d	42.45 a-d	42.96 ab	36.60 a-d	45.80 a-g	44.20 b-g	40.92 b-f	41.64 a-c
N12008olCLSmT	39.43 a-d	42.64 a-d	41.71 a-g	35.72 a-f	47.44 a-c	44.70 a-g	41.40 a-e	41.86 a-c
N12009olCLT	39.80 a-d	44.30 a-c	42.17 a-d	35.86 a-f	46.88 a-d	45.74 a-c	42.85 a	42.51 a
N12010ol	40.51 a-d	41.57 a-e	42.46 a-c	37.27 ab	47.59 ab	45.84 a-c	41.60 a-e	42.40 a
N12014ol	37.86 a-d	43.40 a-d	40.40 b-i	38.21 a	46.79 a-d	45.80 a-c	42.03 a-c	42.07 a-c
N12015ol	40.22 a-d	42.66 a-d	40.69 b-i	34.29 c-i	46.58 a-e	45.17 a-e	41.98 a-c	41.65 a-c
N13001ol	40.43 a-d	40.15 c-e	39.34 f-i	35.61 a-g	46.08 a-f	43.58 c-h	41.97 a-c	40.95 a-c
N13008ol	41.39 ab	42.83 a-d	40.99 b-i	36.52 a-e	47.32 a-c	43.87 c-h	42.51 ab	42.20 ab
N13015olJ	40.90 a-c	41.74 a-e	40.42 b-i	35.11 b-i	45.83 a-g	43.69 c-h	40.91 b-f	41.23 a-c
N13021olJ	42.61 a	42.37 a-d	40.51 b-i	35.19 b-h	46.87 a-d	46.48 ab	40.48 c-h	
N13027olF	39.84 a-d	41.25 b-e	41.90 a-f	35.79 a-f	46.30 a-e	43.74 c-h	40.15 c-h	41.28 a-c
N13041olJ	41.26 ab	40.56 b-e	40.94 b-i	35.46 a-g	45.47 b-h	44.13 c-g	40.94 a-f	41.25 a-c
N13042ol	39.26 a-d	41.32 b-e	39.85 d-i	34.19 c-i	46.81 a-d	43.72 c-h	40.71 b-g	40.83 a-c
N13043olJ	40.87 a-c	42.84 a-d	40.29 c-i	34.37 b-i	45.97 a-g	44.31 b-g	40.18 c-h	41.26 a-c
N13047olJ	42.34 a	44.36 a-c	40.06 c-i	34.76 b-i	44.70 d-h	42.99 e-h	40.75 b-g	41.42 a-c
N13048+ol	38.94 a-d	41.31 b-e	39.85 d-i	34.33 b-i	46.06 a-g	43.74 c-h	41.06 a-f	40.75 a-c
N13052olL	41.77 ab	42.53 a-d	39.20 g-i	33.95 d-i	45.69 a-g	45.81 a-c	41.35 a-e	41.47 a-c
N13056olSm	39.37 a-d	42.64 a-d	38.80 hi	34.48 b-i	45.95 a-g	46.60 a	40.70 b-g	41.22 a-c
N13059ol	41.26 ab	42.29 a-e	40.94 b-i	33.59 e-i	46.06 a-g	43.79 c-h	40.53 c-h	41.22 a-c
Ga06G							40.57 c-h	40.57 a-c
Ga11J							33.78 i	33.78 d
Ga12Y							39.29 f-h	39.29 a-c
TUFRunner511							39.91 d-h	39.91 a-c
Mean	**39.86**	**41.94**	**40.79**	**35.07**	**46.02**	**44.29**	**40.65**	**40.97**
LSD	**4.83**	**4.85**	**2.58**	**2.96**	**2.32**	**2.28**	**1.93**	**3.48**

[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

2015 Results by Location

Table 15. Average of pod brightness[1] (Hunter L Score) for fancy pods in 2015.

Variety	Suffolk, VA Dig I	Suffolk, VA Dig II	Martin County, NC Dig I	Martin County, NC Dig II	Rocky Mount, NC	Bladen, NC	Blackville, SC	Average of all Locations
Bailey	40.98 a-c	43.46 b	41.12 a-d	36.97 a-d	45.27 a-c	44.35 a-d	37.85 b-g	41.27 a-d
Sugg	40.53 a-f	43.45 b	39.89 a-d	35.27 a-g	46.09 a	43.26 a-f	39.55 a-d	41.15 a-d
Wynne	36.20 h-k	40.38 b	40.29 a-d	32.26 k-m	42.97 c-e	42.58 b-h	37.27 b-h	38.85 a-e
Sullivan	41.24 a-c	40.50 b	40.45 a-d	34.97 a-i	44.69 a-c	43.65 a-e	37.30 b-h	40.40 a-e
Spain	35.34 k	37.69 b	39.45 b-e	33.30 g-l	43.67 a-d	39.93 h-j	37.99 b-g	38.20 b-f
07030-1-10-1	35.98 i-k	40.13 b	39.60 b-e	31.85 lm	44.42 a-c	38.94 j	35.94 gh	38.12 c-f
07036-1-2-1	35.67 jk	56.74 a	38.50 de	33.17 h-l	41.73 de	41.13 e-j	36.26 f-h	40.46 a-e
08X09-3-14-1	36.35 h-k	38.12 b	37.16 e	31.12 m	43.10 b-e	39.39 ij	36.24 f-h	37.35 ef
N09039olF	40.44 a-g	42.92 b	39.47 b-e	35.69 a-e	44.28 a-d	42.69 a-h	39.66 a-c	40.73 a-e
N09042olF	40.92 a-d	43.06 b	39.80 b-e	36.85 a	46.16 a	44.46 a-d	39.19 a-e	41.49 a-c
N10025olEJ	37.19 g-k	42.20 b	40.37 a-d	32.78 j-m	44.37 a-c	38.99 j	36.68 e-h	38.94 a-e
N10046ol	38.53 c-k	41.37 b	40.39 a-d	35.16 a-h	43.42 b-e	42.48 b-i	37.58 b-g	40.02 a-e
N10078olJC	39.24 a-h	40.47 b	40.67 a-d	34.02 d-k	43.13 b-e	44.04 a-e	38.97 a-f	40.08 a-e
N11020olJ	37.36 f-k	40.12 b	39.86 a-e	33.40 f-l	41.06 e	40.09 g-j	37.23 b-h	38.44 b-e
N11028ol	39.80 a-g	41.58 b	39.86 a-e	36.16 a-c	44.18 a-d	43.74 a-e	37.96 b-g	40.46 a-e
N11034ol	38.16 c-k	40.92 b	40.87 a-d	35.77 a-e	44.81 a-c	41.51 d-j	38.13 a-g	40.02 a-e
N11051olJ	39.81 a-g	41.71 b	40.08 a-d	35.16 a-h	44.82 a-c	42.93 a-h	36.68 e-h	40.17 a-e
N12007ol	39.67 a-g	40.85 b	41.95 ab	35.22 a-g	45.53 a-c	43.91 a-e	37.54 b-g	40.66 a-e
N12008olCLSmT	40.78 a-d	41.60 b	41.62 a-c	36.37 ab	44.30 a-d	41.78 c-j	39.86 a-c	40.90 a-e
N12009olCLT	41.84 ab	43.75 b	42.56 a	36.86 a	46.25 a	45.73 a	39.03 a-f	42.29 a
N12010ol	41.43 a-c	43.29 b	41.89 ab	35.67 a-e	45.61 ab	44.80 ab	39.17 a-e	41.69 ab
N12014ol	40.68 a-e	43.85 b	39.07 c-e	34.53 b-j	45.67 ab	44.27 a-d	39.98 ab	41.14 a-d
N12015ol	40.24 a-g	44.27 b	40.97 a-d	33.58 f-l	45.27 a-c	44.34 a-d	37.07 c-h	40.82 a-e
N13001ol	39.47 a-h	39.62 b	39.69 b-e	35.61 a-e	44.77 a-c	40.03 h-j	40.93 a	39.95 a-e
N13008ol	41.24 a-c	42.32 b	40.36 a-d	36.14 a-c	45.56 a-c	42.29 b-i	39.59 a-d	41.07 a-d
N13015olJ	37.62 d-k	40.60 b	41.12 a-d	34.90 a-i	44.73 a-c	40.54 f-j	36.27 f-h	39.40 a-e
N13021olJ	40.17 a-g	41.95 b	39.96 a-d	35.32 a-g	45.51 a-c	44.41 a-d	37.35 b-h	40.66 a-e
N13027olF	42.55 a	41.13 b	41.82 ab	34.21 c-k	43.27 b-e	41.77 c-j	37.54 b-g	40.32 a-e
N13041olJ	40.96 a-c	40.94 b	40.83 a-d	35.27 a-g	43.82 a-d	44.34 a-d	37.78 b-g	40.56 a-e
N13042ol	37.42 e-k	41.73 b	39.43 b-e	35.37 a-f	44.47 a-c	42.83 a-h	37.86 b-g	39.87 a-e
N13043olJ	39.13 b-i	40.90 b	40.96 a-d	33.02 i-m	45.22 a-c	44.69 a-c	37.21 b-h	40.16 a-e
N13047olJ	39.18 b-i	40.55 b	39.75 b-e	33.98 d-k	43.33 b-e	41.86 c-j	38.18 a-g	39.55 a-e
N13048+ol	39.14 b-i	41.81 b	39.50 b-e	34.60 b-j	44.69 a-c	43.17 a-g	38.06 b-g	40.14 a-d
N13052olL	40.82 a-d	41.93 b	40.18 a-d	33.31 g-l	44.90 a-c	43.81 a-e	38.40 a-g	40.48 a-e
N13056olSm	38.87 b-j	40.81 b	39.04 c-e	33.95 e-k	44.69 a-c	42.09 b-i	36.59 e-h	39.44 a-e
N13059ol	37.64 d-k	40.55 b	39.94 a-d	34.09 d-k	44.49 a-c	41.68 c-j	36.78 d-h	39.31 a-e
Ga06G							34.66 hi	34.66 fg
Ga11J							27.47 j	27.47 h
Ga12Y							37.80 b-g	37.80 d-f
TUFRunner511							32.55 i	32.55 g
Mean	**39.24**	**41.87**	**40.24**	**34.61**	**44.45**	**42.57**	**37.45**	**39.43**
LSD	**3.31**	**8.80**	**2.70**	**2.02**	**2.60**	**3.09**	**2.82**	**3.55**

[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.

RESULTS – YIELD AND GRADE BY LOCATION

Table 16. Performance of genotypes at Tidewater AREC (Suffolk), VA, in 2015. Dig I averages of two replicated plots planted on 7 May, dug on 18 September, and combined on 23 September.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Valu $/A
Bailey	1.4	0.9	87 i-k[2]	7.8	37 a-f	4 f-k	0.9	3.2	0.9	64 a-d	69 a-d	16.88 a-e	5840.5 ab	986 ab
Sugg	1.0	0.6	91 f-j	7.2	37 a-e	4 g-k	1.5	3.0	2.7	62 a-f	70 a-c	16.62 a-f	5397.0 a-h	885 a-g
Wynne	3.9	3.5	93 b-h	6.9	31 e-m	7 c-h	1.7	4.0	2.2	57 c-k	65 d-i	15.46 c-k	4260.0 e-l	647 e-k
Sullivan	0.5	1.2	93 b-h	7.0	34 b-i	4 g-k	1.3	3.7	2.2	60 a-i	68 a-f	16.06 a-i	5206.0 a-i	826 a-h
Spain	1.2	1.9	93 b-h	7.8	22 n-p	16 ab	0.6	4.6	1.7	54 i-k	61 j	14.34 i-k	4253.5 f-l	615 g-k
07030-1-10-1	1.1	1.6	95 a-g	7.1	19 p	21 a	1.2	3.4	2.5	57 d-k	64 e-j	15.25d-k	4174.5 g-l	622 f-k
07036-1-2-1	1.1	2.0	95 a-g	7.6	20 op	20 a	2.1	3.3	5.7	57 d-k	68 a-e	15.40 d-k	3607.0 l	482 jk
08X09-3-14-1	1.1	1.5	84 k	7.6	29 g-m	12 bc	0.5	3.6	1.9	63 a-f	69 a-d	16.59 a-f	4682.5 b-l	774 a-i
N09039olF	0.8	1.0	91 e-i	7.5	24 m-p	1 jk	0.3	3.7	0.4	64 a-e	68 a-e	16.40 a-g	5507.0 a-e	903 a-f
N09042olF	1.1	1.4	74 l	7.5	25 l-p	2 i-k	0.9	4.4	1.2	62 a-g	68 a-e	16.21 a-h	5672.5 a-c	919 a-e
N10025olEJ	0.7	1.4	96 a-e	7.0	32 c-k	6 d-k	1.1	4.7	3.6	54 i-k	63 f-j	14.51 h-k	3864.0 j-l	541 h-k
N10046ol	1.4	0.9	97 a-d	6.7	39 a-c	7 c-h	1.8	2.5	2.4	62 a-f	69 a-d	16.76 a-f	4894.5 a-k	808a-h
N10078olJC	0.8	1.4	97 a-c	9.6	31 d-l	10 c-f	0.4	3.5	3.8	60 a-i	68 a-e	15.89 a-j	4621.0 b-l	695 c-k
N11020olJ	0.9	0.7	97 a-c	7.3	25 l-p	10 c-e	0.8	3.9	5.3	51 k	61 ij	13.67 k	3749.0 kl	460 k
N11028ol	1.0	1.2	92 c-i	8.0	33 b-j	2 h-k	0.7	3.3	1.9	57 d-k	63 g-j	15.06 e-k	5423.5 a-g	809 a-i
N11034ol	0.8	1.2	97 a-d	6.9	31 d-l	6 d-k	1.5	3.4	5.3	53 jk	63 h-j	14.17 jk	3831.5 j-l	472 jk
N11051olJ	1.1	2.3	94 b-h	7.1	28 h-n	10 cd	1.9	3.4	4.7	56 g-k	66 b-h	15.19 e-k	4232.0 f-l	608 g-k
N12007ol	0.7	1.4	92 c-i	9.2	35 a-g	5 e-k	1.2	3.4	3.3	58 b-k	66 b-h	15.51 c-k	4169.5 h-l	630 f-k
N12008olCLSmT	1.1	0.9	93 b-h	7.0	40 ab	5 f-k	0.8	3.0	1.2	65 a-c	70 a-c	17.08 a-d	6011.0 a	1026 a
N12009olCLT	1.1	1.0	91 e-i	7.1	41 a	7 c-i	0.8	2.9	0.9	66 ab	70 ab	17.36 ab	5630.5 a-d	979 a-c
N12010ol	1.1	4.0	91 f-j	7.2	38 a-d	5 e-k	1.0	2.5	0.5	66 ab	70 a-c	17.28 a-c	5957.0 a	1029 a
N12014ol	1.1	2.0	90 g-j	8.2	30 g-m	3 h-k	1.4	4.6	4.7	54 h-k	65 d-j	14.52 h-k	3983.0 i-l	528 i-k
N12015ol	1.3	1.5	86 jk	7.6	27 j-o	1 k	0.9	3.7	0.8	63 a-f	69 a-d	16.53 a-f	4448.0 c-l	737 b-k
N13001ol	1.1	1.6	92 d-i	7.5	32 c-k	5 d-k	1.7	3.9	3.5	58 c-k	67 a-h	15.56 b-j	4477.5 c-l	682d-k
N13008ol	1.2	1.2	89 h-k	9.2	34 a-h	3 g-k	0.3	3.7	1.7	62 a-h	67 a-g	16.09 a-i	4958.5 a-k	793 a-i
N13015olJ	0.9	1.3	99 a	9.7	30 g-m	12 bc	0.6	2.6	2.8	60 a-j	66 c-g	15.73 a-j	4399.5 d-l	676 d-k
N13021olJ	1.6	1.3	95 a-g	7.8	37 a-e	9 c-g	0.7	3.1	3.1	62 a-g	69 a-d	16.43 a-g	4938.5 a-k	794 a-i
N13027olF	1.0	1.2	93 b-h	8.5	39 a-c	7 c-j	0.6	2.9	1.0	66 a	71 a	17.46 a	5463.5 a-f	956 a-d
N13041olJ	1.8	1.5	97 a-c	7.6	26 k-p	4 g-k	1.4	4.8	2.7	54 h-k	63 g-j	14.50 h-k	5289.0 a-h	754 a-j
N13042ol	1.1	1.8	96 a-f	9.0	26 k-o	2 i-k	1.7	3.8	3.9	55 g-k	64 e-j	14.62 g-k	4639.0 b-l	642 e-k
N13043olJ	0.9	1.4	96 a-e	8.1	28 h-n	2 h-k	2.1	4.5	1.9	57 d-k	65 d-i	15.23 d-k	5573.0 a-d	840 a-g
N13047olJ	1.0	1.2	95 a-g	8.3	27 j-o	3 g-k	1.1	4.2	1.8	59 a-j	66 b-h	15.46 b-j	5388.5 a-h	828 a-g
N13048+ol	1.0	1.4	97 a-c	7.0	28 g-n	2 h-k	1.5	4.5	2.5	57 d-k	65 d-i	15.13 e-k	5060.0 a-j	753 a-j
N13052olL	1.2	1.1	97 a-d	7.8	30 f-m	3 h-k	1.3	4.0	3.5	58 c-k	67 a-h	15.39 d-k	5798.0 ab	850 a-g
N13056olSm	0.9	1.6	98 ab	8.4	31 e-m	3 g-k	1.1	3.8	2.4	59 a-j	67 a-h	15.74 a-j	5363.0 a-h	831 a-g
N13059ol	0.9	1.5	98 ab	8.7	27 i-n	3 h-k	1.4	4.6	2.4	56 g-k	64 e-j	14.96 f-j	4390.5 d-l	642 e-k
Mean	**1.1**	**1.5**	**93**	**7.8**	**31**	**6**	**1.1**	**3.7**	**2.6**	**59**	**67**	**15.70**	**4865**	**749**
$LSD_{0.05}$[3]	**1.4**	**1.8**	**5**	**2.5**	**7**	**6**	**1.5**	**1.6**	**3.1**	**8**	**4**	**0.02**	**1252**	**285**

[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.

Table 17. Performance of genotypes at Tidewater AREC (Suffolk), VA in 2015. Dig II averages of two replicated plots planted on 7 May, dug on 6 October, and combined on 10 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	0.8	83 ij[2]	6.9	36 ab	11 f-m	4.2	2.1	1.6	65 a	73 a	17.92 a	5267 a-d	935 ab
Sugg	0.4	1.2	84 h-j	6.8	35 a-c	10 f-m	4.4	2.6	1.8	63 a-c	72 a-c	17.58 a-c	4729 a-i	822 a-e
Wynne	0.7	1.5	95 a-d	7.5	27 e-i	12 e-k	3.0	3.6	4.1	55 d-i	66 g-j	15.29 f-i	4379 c-j	641 c-g
Sullivan	0.6	1.2	91 b-f	7.3	30 c-g	13 e-j	3.1	3.1	2.5	61 a-g	70 a-f	16.76 a-g	4859 a-h	802 a-f
Spain	0.7	1.3	96 a-c	7.5	18 lm	24 ab	2.5	2.6	2.8	56 d-i	64 jk	15.20 g-i	5193 a-e	775 a-f
07030-1-10-1	0.8	1.4	93 a-e	6.8	20 kl	30 a	2.8	2.8	2.6	61 a-g	69 b-h	16.67 a-g	4304 d-j	714 a-g
07036-1-2-1	1.4	2.4	94 a-e	7.5	14 m	23 a-c	4.8	3.2	8.5	50 ij	66 f-j	14.33 ij	2723 kl	309 hi
08X09-3-14-1	1.5	1.8	85 g-i	7.2	25 g-k	16 d-g	2.9	4.1	2.8	61 a-g	70 a-e	16.56 a-h	3853 g-j	630 c-g
N09039olF	0.6	1.5	79 j	7.4	33 a-d	3 n	2.3	2.7	1.5	64 ab	71 a-e	17.15 a-e	4323 d-j	738 a-g
N09042olF	0.5	1.0	70 k	7.3	30 c-f	4 l-n	2.9	2.9	2.4	62 a-f	70 a-e	16.77 a-g	4367 c-j	721 a-g
N10025olEJ	0.7	1.4	93 a-e	7.2	25 g-k	11 e-l	3.6	3.1	4.4	55 f-i	66 h-j	15.16 g-i	2283 l	324 hi
N10046ol	0.6	1.3	94 a-e	7.3	32 b-e	17 b-f	2.6	2.3	3.6	63 a-d	71 a-d	17.09 a-e	4122 e-j	686 b-g
N10078olJC	0.8	2.0	91 c-f	7.3	28 d-h	11 f-m	4.2	4.1	4.7	55 f-i	68 e-i	15.45 e-i	3835 h-j	547 f-h
N11020olJ	0.6	2.0	96 ab	7.4	22 j-l	18 b-e	2.3	3.8	3.9	55 g-i	65 i-k	14.93 hi	3844 h-j	553 f-h
N11028ol	0.8	1.4	90 d-g	6.7	35 a-c	7 j-n	3.6	2.4	2.9	60 a-g	69 c-h	16.48 a-h	4710 a-i	761 a-f
N11034ol	1.0	1.7	92 a-f	7.4	22 j-l	8 h-n	4.4	4.5	7.4	46 j	62 k	13.17 j	2097 l	202 i
N11051olJ	0.7	1.2	91 b-f	6.8	26 f-j	23 a-c	4.2	2.2	2.6	61 a-g	70 a-e	17.03 a-f	4447 b-j	745 a-f
N12007ol	0.5	1.1	87 f-i	7.2	38 a	12 e-k	2.1	2.5	1.1	64 ab	70 a-e	17.36 a-c	5120 a-f	889 a-c
N12008olCLSmT	0.5	1.2	87 f-i	7.2	38 a	10 f-l	3.3	2.0	2.3	64 ab	72 a-c	17.61 a-c	4940 a-g	857 a-d
N12009olCLT	0.7	1.1	84 h-i	6.8	38 a	12 e-k	4.7	2.2	1.5	64 ab	72 ab	17.85 ab	4677 a-i	829 a-e
N12010ol	0.8	1.4	89 e-h	7.0	36 ab	15 d-h	2.9	2.6	3.2	63 a-e	71 a-d	17.18 a-e	4764 a-i	797 a-e
N12014ol	0.9	1.2	82 ij	6.8	38 a	6 j-n	4.1	2.4	3.2	62 a-f	72 a-c	17.19 a-d	4368 c-j	731 a-g
N12015ol	0.5	0.9	85 g-i	7.3	32 b-e	4 mn	2.2	3.6	1.7	64 ab	71 a-d	17.09 a-e	5675 a	965 a
N13001ol	0.8	1.8	93 a-e	7.3	28 d-h	10 f-m	3.5	3.3	5.4	55 e-i	67 e-i	15.33 f-i	3505 jk	479 gh
N13008ol	0.7	1.8	85 g-i	7.1	30 c-g	9 h-n	4.0	3.1	1.6	61 a-g	69 a-g	16.77 a-g	3742 i-k	624 d-g
N13015olJ	0.4	1.4	97 a	7.2	29 d-h	16 c-g	4.0	2.9	3.5	58 a-h	68 d-h	16.20 a-h	4145 e-j	646 c-g
N13021olJ	1.1	1.7	94 a-d	7.5	28 d-h	21 b-d	1.9	3.2	3.7	62 a-f	71 a-e	16.78 a-g	4035 f-j	663 c-g
N13027olF	0.8	1.7	89 e-h	7.3	28 d-h	14 d-i	3.2	3.4	4.7	58 a-h	69 b-h	15.99 c-i	4007 g-j	591 e-g
N13041olJ	0.7	1.6	97 a	7.4	25 f-j	9 g-n	4.6	3.3	3.2	56 f-i	66 g-j	15.49 d-i	5684 a	859 a-d
N13042ol	0.6	1.4	91 b-f	7.3	24 h-k	6 j-n	5.5	3.7	3.4	55 f-i	67 e-i	15.62 d-i	5193 a-d	785 a-f
N13043olJ	0.4	1.3	93 a-e	7.3	28 e-h	9 g-n	5.9	3.0	2.9	57 b-i	69 b-h	16.31 a-h	5515 ab	879 a-d
N13047olJ	0.4	1.5	94 a-e	7.4	28 d-h	9 h-n	5.1	3.3	3.5	57 b-i	69 b-h	16.14 b-h	4804 a-i	752 a-f
N13048+ol	0.6	1.2	94 a-e	7.2	22 i-l	8 i-n	6.6	3.0	2.6	55 f-i	67 e-i	15.91 c-i	4431 b-j	690 b-g
N13052olL	0.7	1.4	90 d-g	7.4	29 d-h	8 i-n	5.6	3.4	1.8	59 a-h	70 a-e	16.78 a-g	5154 a-e	858 a-d
N13056olSm	0.7	1.8	94 a-e	7.1	27 f-j	6 k-n	7.1	3.5	4.0	52 hi	66 f-j	15.29 f-i	4570 b-j	649 c-g
N13059ol	0.9	1.3	94 a-d	7.5	27 e-i	9 g-n	5.3	3.3	3.5	56 c-i	68 d-h	15.95 c-i	5441 a-c	840 a-e
Mean	**0.7**	**1.4**	**90**	**7.2**	**29**	**12**	**3.9**	**3.1**	**3.2**	**59**	**69**	**16.29**	**4420**	**702**
$LSD_{0.05}$[3]	**0.4**	**1.1**	**5**	**0.6**	**5**	**7.2**	**2.1**	**1.7**	**3.0**	**7**	**3**	**0.02**	**1092**	**264**

[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.

2015 Results by Location

Table 18. Performance of genotypes at Martin Co., NC, in 2015. Dig I averages of two replicated plots planted on 26 May, dug on 13 October, and combined on 23 October.

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% Super ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
ailey	0.5	2.8	79 hi[2]	7.6	20 b-i	4 f-i	1.3	6.3	1.0	54 a-h	62 a-g	14.32 a-f	4015 b-e	579 b-e
ugg	0.4	2.5	82 e-i	7.6	21 b-i	9 c-g	1.9	6.5	1.4	54 a-h	63 a-f	14.61 a-f	3861 c-e	563 c-e
/ynne	0.3	1.8	88 a-e	9.2	26 a-d	12 b-d	2.3	3.2	1.1	59 a-c	66 a-c	16.01 ab	4688 a-e	750 a-e
ullivan	0.5	2.3	76 i	7.7	15 f-i	3 g-i	2.4	6.6	1.0	49 d-i	59 d-g	13.41 c-f	3768 e	508 e
pain	0.6	2.3	88 a-e	8.1	19 c-i	11 c-e	2.2	7.4	1.9	49 d-i	61 b-g	13.72 b-f	4137 a-e	562 c-e
7030-1-10-1	0.5	1.7	91 a-c	7.6	22 a-h	24 a	1.9	3.3	1.2	60 ab	67 ab	16.29 a	5142 a-c	835 ab
7036-1-2-1	0.9	2.5	87 b-g	7.5	19 c-i	19 ab	3.3	4.2	2.6	54 a-h	64 a-d	15.01 a-d	4145 a-e	613 a-e
8X09-3-14-1	0.5	1.4	83 e-i	7.9	22 a-h	14 bc	1.2	4.8	1.5	61 a	68 a	16.21 a	5364 a	864 a
'09039olF	0.5	1.8	82 e-i	8.5	21 b-i	0.8 i	1.8	5.1	0.6	56 a-f	64 a-e	14.98 a-d	4756 a-e	711 a-e
'09042olF	0.3	2.3	76 i	8.1	16 e-i	1 hi	1.6	6.6	1.0	52 b-i	61 b-g	13.86 b-f	4498 a-e	623 a-e
'10025olEJ	0.4	2.8	88 a-e	7.7	21 b-i	2 g-i	2.7	5.4	1.2	48 e-i	57 fg	13.13 d-f	3856 de	506 e
'10046ol	0.5	1.7	83 e-i	7.3	31 a	9 c-g	1.8	3.4	0.7	61 a	67 ab	16.31 a	5108 a-d	833 ab
'10078olJC	0.3	2.1	81 f-i	7.8	19 c-i	5 e-i	1.6	6.9	1.4	52 a-i	62 a-g	14.14 a-f	3858 c-e	542 de
'11020olJ	0.5	1.8	94 a	7.8	27 a-d	10 c-f	1.6	3.6	1.3	56 a-e	63 a-g	15.14 a-d	4890 a-e	740 a-e
'11028ol	0.3	1.1	85 b-h	7.3	22 a-h	5 d-i	2.3	5.3	1.1	54 a-h	63 a-g	14.75 a-e	4993 a-e	737 a-e
'11034ol	0.2	2.8	90 a-d	7.5	20 b-i	5 e-i	3.1	5.5	1.1	47 g-i	57 g	13.10 d-f	4847 a-e	640 a-e
'11051olJ	1.4	2.8	80 g-i	7.6	22 a-h	4 e-i	0.9	5.8	0.9	53 a-h	61 b-g	14.18 a-f	4531 a-e	643 a-e
'12007ol	0.4	1.8	86 b-g	7.5	28 a-c	7 c-i	1.4	3.8	1.1	60 a-c	66 a-c	15.89 ab	4638 a-e	738 a-e
'12008olCLSmT	1.1	2.5	84 c-h	7.5	28 a-c	9 c-g	2.0	4.1	0.9	59 a-c	66 a-c	15.87 ab	4696 a-e	747 a-e
'12009olCLT	0.3	1.5	87 a-f	7.6	27 a-d	9 c-g	1.8	4.7	1.0	58 a-d	65 a-d	15.52 a-c	5222 ab	809 a-c
'12010ol	0.6	1.4	88 a-e	7.4	25 a-e	5 d-i	1.9	4.5	1.4	57 a-e	64 a-d	15.18 a-d	4221 a-e	636 a-e
'12014ol	0.5	2.7	83 e-i	9.7	21 b-i	4 f-i	2.2	5.7	1.3	52 a-i	61 b-g	14.22 a-f	4250 a-e	616 a-e
'12015ol	0.4	1.5	84 d-h	7.2	29 ab	5 d-i	1.7	4.4	1.1	59 a-c	66 a-c	15.84 ab	4904 a-e	777 a-d
'13001ol	0.4	2.2	85 b-h	9.1	24 a-f	3 f-i	1.0	5.5	0.9	55 a-g	63 a-g	14.70 a-f	3789 e	557 c-e
'13008ol	0.5	2.0	88 a-e	7.8	26 a-d	7 c-i	1.4	4.5	1.3	56 a-f	63 a-g	14.97 a-d	4881 a-e	731 a-e
'13015olJ	0.4	2.5	88 a-e	7.9	21 b-i	8 c-h	1.5	4.4	2.2	53 a-h	61 b-g	14.26 a-f	4214 a-e	596 b-e
'13021olJ	0.6	2.4	84 d-h	7.9	23 a-g	8 c-i	1.2	5.7	1.8	53 a-h	62 a-g	14.32 a-f	4485 a-e	648 a-e
'13027olF	0.5	1.6	85 b-h	9.7	22 a-h	7 c-i	1.0	5.9	1.4	55 a-g	64 a-e	14.76 a-e	4217 a-e	619 a-e
'13041olJ	0.4	2.2	87 a-f	7.7	19 c-i	3 f-i	3.6	4.8	1.9	52 b-i	62 a-g	14.31 a-f	4711 a-e	666 a-e
'13042ol	0.5	2.1	85 c-h	7.6	16 e-i	2 g-i	3.7	6.9	1.8	47 f-i	60 c-g	13.36 c-f	4774 a-e	640 a-e
'13043olJ	0.2	2.0	90 a-d	7.5	20 b-i	2 g-i	2.7	5.6	1.5	51 c-i	61 b-g	14.00 a-f	4768 a-e	663 a-e
'13047olJ	0.6	2.4	92 ab	9.7	21 b-i	7 d-i	2.8	3.7	1.6	56 a-f	64 a-d	15.26 a-d	4841 a-e	734 a-e
'13048+ol	0.5	2.5	86 b-g	7.5	14 g-i	2 g-i	4.0	6.6	1.7	46 g-i	59 d-g	13.13 d-f	4073 b-e	539 de
'13052olL	0.7	3.5	87 b-g	8.1	12 i	0.5 i	3.6	7.7	1.7	44 i	57 g	12.39 f	3982 b-e	487 e
'13056olSm	0.7	2.6	86 b-g	7.9	13 hi	2 g-i	2.1	7.6	1.8	46 hi	57 e-g	12.54 ef	4289 a-e	536 de
'13059ol	0.4	2.2	84 c-h	7.8	18 d-i	7 c-i	2.4	5.8	1.0	52 a-i	61 b-g	14.27 a-f	4904 a-e	711 a-e
Mean	**0.5**	**2.2**	**85**	**7.9**	**21**	**7**	**2.1**	**5.3**	**1.3**	**54**	**62**	**14.55**	**4509**	**656**
$SD_{0.05}$[3]	**0.6**	**1.6**	**7**	**1.8**	**10**	**7.2**	**1.6**	**2.9**	**1.3**	**9**	**7**	**0.02**	**1289**	**267**

[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.

2015 Results by Location

Table 19. Performance of genotypes at Martin Co., NC, in 2014. Dig II averages of two replicated plots planted on 26 May, dug on 23 October, and combined on 30 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	1.7	1.6	76 f-i[2]	7.6	24 a-f	6 e-h	2.9	3.3	3.5	57 a-f	67 a-d	15.58 a-d	4459 a	679 a-d
Sugg	1.9	1.9	75 g-i	6.5	19 c-g	5 e-h	4.4	4.7	3.8	53 a-h	66 a-e	14.91 a-e	4066 a	587 a-d
Wynne	3.0	1.9	87 a-c	6.5	22 a-g	10 c-f	4.9	3.6	3.9	54 a-h	67 a-d	15.33 a-d	4140 a	600 a-d
Sullivan	2.3	1.6	75 g-i	7.0	24 a-g	6 e-h	5.0	3.0	3.6	57 a-f	68 a-d	15.85 a-d	4378 a	655 a-d
Spain	5.5	2.9	89 ab	6.3	19 c-g	17 ab	4.4	2.9	6.7	52 a-h	66 a-e	14.68 a-e	3182 a	373 cd
07030-1-10-1	4.6	2.1	86 a-d	6.8	20 b-g	21 a	7.0	2.4	4.6	56 a-g	70 ab	16.35 a-c	4040 a	610 a-d
07036-1-2-1	4.9	3.7	78 e-i	7.4	19 c-g	16 a-c	6.5	2.6	7.8	52 a-h	69 a-d	15.13 a-e	3294 a	398 b-d
08X09-3-14-1	7.9	2.6	81 c-h	7.3	24 a-f	15 a-d	5.8	3.8	2.3	59 a-c	71 a	16.95 a	4603 a	769 a
N09039olF	2.7	1.6	77 f-i	6.8	24 a-f	2 f-h	3.3	3.6	1.7	61 a	69 a-d	16.38 a-c	4418 a	715 a-c
N09042olF	1.6	1.5	63 j	7.1	26 a-d	2 gh	3.3	4.1	1.7	60 a	69 a-d	16.39 a-c	4562 a	743 ab
N10025olEJ	2.7	1.9	86 b-d	6.4	21 a-g	5 3-h	5.2	3.9	6.8	49 e-h	64 b-e	13.93 c-e	3237 a	353 d
N10046ol	2.7	2.4	86 a-d	7.8	26 a-d	9 c-h	4.7	3.2	5.4	53 a-h	66 a-e	14.99 a-e	3482 a	486 a-d
N10078olJC	1.3	1.4	77 e-i	6.7	22 a-g	8 d-h	5.2	3.6	3.3	57 a-f	69 a-d	16.11 a-d	4097 a	640 a-d
N11020olJ	1.6	1.4	93 a	7.8	26 a-d	9 c-h	2.4	2.6	4.6	57 a-f	67 a-d	15.42 a-d	3730 a	547 a-d
N11028ol	1.7	2.2	81 c-h	7.1	22 a-g	5 e-h	3.8	4.4	4.8	53 a-h	66 a-e	14.83 a-e	4106 a	560 a-d
N11034ol	1.8	1.9	88 ab	6.8	19 c-g	4 e-h	4.0	3.3	8.0	45 h	60 e	12.65 e	4407 a	446 a-d
N11051olJ	2.6	2.0	82 b-g	6.8	22 a-g	7 e-h	5.1	3.3	5.7	53 a-h	67 a-d	14.98 a-e	3992 a	517 a-d
N12007ol	2.3	1.4	81 c-h	6.4	26 a-e	11 b-e	3.2	2.4	2.5	60 ab	68 a-d	16.29 a-d	4537 a	733 ab
N12008olCLSmT	2.3	1.3	81 c-h	6.5	29 a	9 c-g	4.6	2.7	2.5	60 a	70 ab	16.80 a	4472 a	740 ab
N12009olCLT	3.1	1.8	78 e-i	6.9	26 a-e	7 e-h	5.6	3.2	2.9	58 a-e	69 a-d	16.36 a-c	3509 a	567 a-d
N12010ol	1.5	1.2	87 a-c	6.9	27 a-c	8 e-h	3.7	3.5	4.1	55 a-g	67 a-d	15.39 a-d	4279 a	610 a-d
N12014ol	2.1	1.3	73 i	6.8	27 a-c	7 e-h	4.5	3.7	5.1	56 a-g	70 a-d	15.79 a-d	4587 a	652 a-d
N12015ol	2.6	1.9	83 b-f	6.7	23 a-g	3 f-h	3.2	4.6	2.6	57 a-f	68 a-d	15.66 a-d	3990 a	616 a-d
N13001ol	1.8	1.6	75 g-i	6.5	26 a-d	6 e-h	5.2	3.5	1.6	59 a-d	69 a-d	16.56 ab	4478 a	738 ab
N13008ol	2.2	1.9	79 d-i	6.6	28 ab	8 e-h	5.8	3.9	2.4	57 a-f	69 a-d	16.39 a-c	4182 a	673 a-d
N13015olJ	1.5	2.2	87 a-c	7.4	19 c-g	10 c-g	4.0	4.1	5.5	50 b-h	64 b-e	14.14 b-e	4169 a	521 a-d
N13021olJ	4.9	2.7	82 b-g	8.0	22 a-g	11 b-e	2.5	3.3	5.9	55 a-g	67 a-d	15.03 a-e	3272 a	482 a-d
N13027olF	1.3	1.3	74 hi	6.9	23 a-g	9 c-h	4.1	4.8	2.9	58 a-e	70 a-c	16.14 a-d	4336 a	692 a-d
N13041olJ	2.6	1.5	87 a-c	7.1	21 a-g	4 e-h	4.9	3.2	3.7	51 a-h	65 a-e	14.41 a-e	3967 a	552 a-d
N13042ol	2.1	1.8	84 b-e	6.8	16 g	2 h	6.7	3.5	4.0	50 a-h	65 a-e	14.73 a-e	4165 a	570 a-d
N13043olJ	2.6	2.3	84 b-e	6.8	18 e-g	2 f-h	6.0	4.3	6.1	47 gh	63 de	13.69 de	3984 a	450 a-d
N13047olJ	2.9	2.1	88 a-c	7.6	17 fg	3 f-h	6.5	4.2	5.4	50 d-h	66 a-e	14.42 a-e	4270 a	548 a-d
N13048+ol	3.1	2.4	86 b-d	6.6	18 d-g	3 f-h	7.3	4.4	4.3	49 e-h	65 b-e	14.42 a-e	4507 a	612 a-d
N13052olL	3.3	2.1	87 a-c	7.7	19 c-g	5 e-h	7.6	4.2	5.6	48 f-h	65 a-e	14.37 a-e	4439 a	566 a-d
N13056olSm	3.2	2.3	86 b-d	6.9	16 g	2 f-h	4.7	4.0	4.8	50 c-h	64 c-e	14.06 b-e	3472 a	445 a-d
N13059ol	3.0	2.2	86 b-d	6.8	18 d-g	3 f-h	4.9	3.5	4.3	52 a-h	65 b-e	14.66 a-e	3377 a	468 a-d
Mean	**2.7**	**1.9**	**82**	**7.0**	**22**	**7**	**4.8**	**3.6**	**4.3**	**54**	**67**	**15.27**	**4061**	**591**
$LSD_{0.05}$[3]	**2.6**	**1.4**	**7**	**1.2**	**8**	**7.2**	**2.9**	**1.8**	**3.6**	**10**	**6**	**0.03**	**1511**	**350**

[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.

2015 Results by Location

Table 20. Performance of genotypes at Rocky Mount, NC, in 2015. Averages of three replicated plots planted on 14 May, dug on 12 October, and combined on 20 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	0.9	3.8	86 b-g[2]	8.6	39 ab	5 g-k	1.8	1.5	0.5	70 a-f	74 c-g	18.54 b-i	4432 a-g	817 b-f
Sugg	0.8	3.7	84 c-h	8.5	39 a-c	8 e-k	2.0	2.3	0.3	69 a-h	74 c-g	18.50 b-k	5151 a-e	951 a-d
Wynne	1.0	1.8	84 c-h	8.8	38 a-d	6 f-k	2.9	1.0	0.6	68 d-i	72 g-k	18.18 e-m	4264 c-h	775 c-f
Sullivan	0.7	7.0	82 g-i	9.2	37 a-e	6 f-k	1.7	2.0	0.0	68 c-i	72 h-l	18.02 h-m	5022 a-e	892 a-e
Spain	0.7	1.7	91 ab	9.6	29 e-h	19 b-d	0.1	1.8	0.2	68 d-i	70 m	17.59 lm	4368 b-h	768 c-f
07030-1-10-1	1.0	3.0	87 b-g	8.8	29 f-h	28 a	1.0	0.9	0.5	70 a-f	73 e-k	18.53 b-k	4668 a-g	864 a-e
07036-1-2-1	1.0	1.1	83 d-i	8.7	31 c-h	24 ab	2.3	1.0	0.6	71 a-d	75 a-c	19.00 a-d	3698 gh	702 ef
08X09-3-14-1	0.6	6.4	82 g-i	8.9	36 a-g	17 b-e	1.2	1.9	0.1	73 a	76 ab	19.19 ab	5091 a-e	970 a-c
N09039olF	1.1	3.3	79 h-j	9.4	28 gh	2 k	1.2	0.9	0.7	70 a-f	73 d-k	18.10 f-m	3883 f-h	704 ef
N09042olF	0.6	3.9	74 j	9.2	35 a-h	3 k	2.2	1.6	0.0	69 a-h	73 c-j	18.31 d-m	4637 a-g	846 a-e
N10025olEJ	0.5	5.1	96 a	7.8	38 a-d	12 c-j	1.7	1.0	0.4	68 c-i	71 j-m	18.10 f-m	4758 a-f	854 a-e
N10046ol	1.2	2.6	82 g-i	8.8	37 a-f	14 c-f	2.1	1.1	0.4	70 a-f	74 c-g	18.72 a-i	3373 h	634 f
N10078olJC	0.6	3.5	89 a-f	8.2	38 a-d	13 c-h	2.1	1.3	0.4	71 a-d	75 a-c	18.99 a-e	4878 a-f	923 a-d
N11020olJ	0.6	3.2	91 ab	8.9	39 ab	11 d-k	1.0	1.5	0.9	69 c-i	71 i-m	17.91 j-m	4383 b-h	784 c-f
N11028ol	0.7	4.6	86 b-g	8.1	37 a-e	9 e-k	2.8	1.8	0.7	67 e-i	72 f-k	18.11 f-m	5187 a-d	937 a-d
N11034ol	0.5	4.4	91 ab	7.8	34 a-h	13 c-i	2.7	1.7	1.0	65 i	70 lm	17.54 m	5445 a	952 a-d
N11051olJ	0.7	5.5	90 a-c	8.1	36 a-g	17 b-e	3.1	1.3	1.0	69 b-h	74 b-f	18.68 a-j	5126 a-e	950 a-d
N12007ol	0.5	2.7	83 e-i	8.7	39 a-c	13 c-i	2.0	0.9	0.4	71 a-e	74 b-f	18.85 a-f	4728 a-g	892 a-e
N12008olCLSmT	0.6	2.6	84 c-h	8.2	39 a-c	12 c-j	2.6	2.1	0.2	68 c-i	73 c-i	18.45 b-k	5236 a-c	966 a-c
N12009olCLT	0.7	4.2	77 ij	8.7	38 a-d	10 d-k	2.2	2.1	0.1	69 b-h	73 c-i	18.41 b-k	4240 c-h	777 c-f
N12010ol	0.8	3.0	87 b-g	8.6	38 a-d	13 c-i	2.8	1.7	0.2	70 a-g	74 b-e	18.80 a-h	5402 ab	1014 ab
N12014ol	0.7	2.6	82 f-i	8.7	42 a	5 h-k	2.1	1.1	0.4	71 a-d	74 b-d	18.84 a-f	4115 e-h	776 c-f
N12015ol	0.7	6.9	83 e-i	7.5	33 b-h	3 k	2.6	1.9	0.1	70 a-f	75 a-c	18.64 b-j	5125 a-e	941 a-d
N13001ol	0.5	8.0	86 b-g	8.7	38 a-d	10 d-k	2.0	2.4	0.4	68 d-i	73 e-k	18.20 e-m	4751 a-f	852 a-e
N13008ol	0.8	2.4	87 a-g	9.2	41 a	8 e-k	2.5	1.6	0.1	70 a-f	74 b-f	18.82 a-g	5479 a	1020 a
N13015olJ	0.4	1.9	92 ab	8.9	33 b-h	21 a-c	1.7	1.4	0.6	69 b-h	72 e-k	18.36 c-l	5452 a	1001 ab
N13021olJ	1.3	5.4	90 a-d	7.9	35 a-h	24 ab	2.0	0.8	0.5	72 a-c	75 a-c	19.14 a-c	4646 a-g	884 a-e
N13027olF	0.6	3.1	89 a-f	8.6	35 a-h	20 a-c	2.5	1.7	0.1	72 ab	76 a	19.45 a	4971 a-e	965 a-c
N13041olJ	0.9	2.9	89 a-e	8.3	32 b-h	7 f-k	2.8	1.2	0.7	67 e-i	72 h-l	17.95 i-m	4658 a-g	837 a-f
N13042ol	0.9	5.2	91 ab	8.3	27 h	14 c-g	3.8	1.8	0.6	67 f-i	73 c-h	18.27 d-m	5105 a-e	927 a-d
N13043olJ	0.9	1.8	88 a-g	7.8	32 c-h	5 i-k	4.2	1.6	0.7	66 g-i	73 e-k	18.02 h-m	4167 d-h	753 d-f
N13047olJ	1.0	5.2	90 a-c	9.1	33 b-h	7 f-k	3.8	1.3	0.3	67 e-i	73 e-k	18.23 d-m	5197 a-d	939 a-d
N13048+ol	1.0	1.8	91 a-c	9.0	30 d-h	4 jk	3.4	1.6	0.7	66 hi	71 k-m	17.75 k-m	4637 a-g	824 a-f
N13052olL	0.7	4.5	91 ab	8.7	28 gh	8 e-k	3.7	1.0	0.5	68 d-i	73 c-i	18.29 d-m	4967 a-e	912 a-d
N13056olSm	0.9	3.7	89 a-e	8.8	34 a-h	8 e-k	3.4	1.7	0.2	68 d-i	72 e-k	18.21 d-m	4827 a-f	879 a-e
N13059ol	0.9	4.3	90 a-d	8.4	34 a-h	8 f-k	2.3	1.7	0.1	68 d-i	72 h-l	18.05 g-m	5058 a-e	907 a-e
Mean	**0.8**	**3.8**	**87**	**8.6**	**35**	**11**	**2.3**	**1.5**	**0.4**	**69**	**73**	**18.41**	**4753**	**872**
$LSD_{0.05}$[3]	**0.4**	**5.6**	**7**	**1.1**	**8**	**8.8**	**1.4**	**1.2**	**0.6**	**4**	**2**	**0.01**	**1050**	**208**

[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

2015 Results by Location

Table 21. Performance of genotypes at Bladen County, NC, in 2015. Averages of three replicated plots planted on 20 May, dug on 14 October, and combined on 22 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	1.6	89 a-f[2]	7.3	32 c-g	23 f-k	5.4	1.0	1.1	65 a-d	73 a-c	18.38 a-e	4007 a-f	732 a-f
Sugg	1.2	1.8	86 a-f	7.1	31 d-h	24 e-i	5.3	1.2	2.8	64 a-e	73 ab	18.04 a-g	3391 d-g	598 c-h
Wynne	1.5	2.2	89 a-f	7.8	31 d-h	19 i-p	4.4	1.4	1.3	63 b-f	70 e-g	17.46 d-h	4160 a-e	722 a-g
Sullivan	0.8	1.4	85 a-f	7.5	32 d-g	21 h-n	3.6	1.6	0.6	65 a-d	71 b-g	17.96 a-g	4016 a-f	723 a-g
Spain	2.1	2.0	89 a-f	7.7	18 l	30 a-d	3.3	1.5	3.1	59 f-h	67 hi	16.16 j-l	3742 a-f	587 e-h
07030-1-10-1	0.9	1.7	87 a-f	7.6	21 kl	35 a	3.9	1.1	1.6	64 a-e	70 c-g	17.69 a-g	3923 a-f	689 a-h
07036-1-2-1	1.1	1.6	87 a-f	7.5	19 l	33 ab	6.5	0.9	3.9	60 e-h	71 b-g	17.30 f-i	4270 a-d	685 a-h
08X09-3-14-1	1.0	1.8	86 a-f	7.0	22 j-l	34 ab	3.6	1.4	1.1	65 a-d	71 b-g	17.94 a-g	3681 a-f	661 a-h
N09039olF	1.7	1.9	81 ef	8.0	36 a-d	8 r	3.3	1.7	1.1	66 a-c	71 a-e	17.96 a-g	4416 a-c	793 a-c
N09042olF	1.4	2.7	80 f	7.9	35 a-e	9 qr	2.7	1.2	1.9	66 a-c	72 a-e	17.77 a-g	3066 fg	541 f-i
N10025olEJ	1.3	4.4	86 a-f	7.3	22 i-l	16 m-p	6.2	1.9	0.4	53 i	66 i	15.21 l	2540 g	349 i
N10046ol	1.0	1.8	86 a-f	7.7	30 e-h	27 c-h	3.0	1.5	0.4	67 ab	72 a-e	18.30 a-f	3620 a-f	662 a-h
N10078olJC	0.8	2.6	90 a-e	7.4	28 f-i	33 a-c	3.8	0.6	1.2	67 ab	73 a-c	18.56 a	3374 d-g	622 b-h
N11020olJ	1.6	2.5	93 ab	7.1	26 h-k	24 d-i	5.6	1.2	4.9	57 hi	69 gh	16.34 i-k	3567 a-f	529 g-i
N11028ol	1.0	1.8	92 a-c	7.6	38 a-c	19 i-p	3.1	1.0	1.4	67 ab	72 a-d	18.30 a-f	4132 a-e	753 a-e
N11034ol	0.7	2.3	87 a-f	7.5	26 h-k	17 l-p	5.1	1.4	3.1	57 hi	66 i	15.98 kl	3194 e-g	497 hi
N11051olJ	0.8	1.6	90 a-e	7.1	27 g-j	33 a-c	4.1	1.0	1.5	66 a-c	73 a-d	18.35 a-e	4153 a-e	758 a-e
N12007ol	1.3	1.7	85 a-f	7.2	28 f-h	28 b-g	4.9	1.2	1.2	64 a-e	71 b-g	17.97 a-g	3282 d-g	586 e-h
N12008olCLSmT	1.2	2.4	83 c-f	7.4	32 c-g	23 f-l	4.9	1.3	1.2	65 a-d	72 a-e	18.13 a-g	3682 a-f	666 a-h
N12009olCLT	1.6	1.3	84 b-f	6.9	33 a-f	22 g-m	2.8	1.7	0.9	67 ab	73 a-c	18.30 a-f	3883 a-f	710 a-g
N12010ol	0.9	1.0	87 a-f	7.0	33 b-g	24 d-i	4.2	1.4	0.7	67 ab	73 ab	18.54 ab	4147 a-e	769 a-e
N12014ol	1.1	2.5	84 b-f	7.6	38 ab	17 k-p	3.4	0.9	2.1	67 a	74 a	18.42 a-d	3447 c-g	629 b-h
N12015ol	1.3	2.4	91 a-c	7.4	39 a	14 o-r	3.8	0.8	1.8	66 a-c	72 a-d	18.15 a-g	3909 a-f	703 a-g
N13001ol	1.3	2.2	82 d-f	7.1	31 d-h	17 j-p	3.9	2.2	1.9	62 c-g	70 e-g	17.15 g-j	3617 a-f	615 c-h
N13008ol	1.3	2.6	90 a-e	7.3	32 d-g	20 h-o	6.0	1.2	1.9	63 a-f	72 a-e	17.93 a-g	3764 a-f	671 a-h
N13015olJ	0.6	2.5	90 a-e	7.8	27 g-j	30 a-e	3.7	1.2	2.4	63 a-e	71 c-g	17.53 b-h	3434 c-g	592 d-h
N13021olJ	0.7	1.5	84 b-f	7.5	28 f-i	28 a-g	5.2	1.2	1.9	64 a-e	72 a-d	18.10 a-g	3895 a-f	697 a-h
N13027olF	2.0	2.9	90 a-e	7.3	30 e-h	29 a-f	4.3	0.7	1.1	67 ab	73 a-c	18.53 a-c	4502 ab	833 a
N13041olJ	0.9	1.9	94 a	7.4	32 d-g	18 j-p	7.6	1.1	1.3	60 e-h	70 e-g	17.46 d-h	4455 a-c	775 a-e
N13042ol	1.0	2.6	87 a-f	7.9	32 d-g	14 o-r	10.9	1.2	1.5	58 gh	72 a-e	17.79 a-g	3507 b-g	620 b-h
N13043olJ	1.2	1.6	85 a-f	6.7	29 f-h	17 k-p	13.1	1.0	1.1	57 gh	72 a-d	18.16 a-f	3699 a-f	672 a-h
N13047olJ	1.4	2.3	91 a-d	7.7	29 f-h	15 n-q	10.1	1.4	2.0	58 gh	71 b-f	17.53 c-h	4233 a-d	732 a-f
N13048+ol	1.2	1.4	92 ab	7.5	30 e-h	13 p-r	10.1	1.6	2.2	57 hi	71 b-g	17.39 e-h	3976 a-f	680 a-h
N13052olL	0.9	1.3	91 a-d	7.2	29 e-h	17 j-p	8.9	1.2	1.1	61 d-h	72 a-e	18.00 a-g	4548 a	818 ab
N13056olSm	0.7	1.7	93 ab	7.1	28 f-h	16 m-p	10.6	1.3	1.2	57 hi	70 d-g	17.49 d-g	4542 a	789 a-d
N13059ol	0.8	3.0	87 a-f	7.4	28 f-h	13 p-r	7.7	1.6	2.8	57 hi	69 f-h	16.68 h-k	3817 a-f	624 b-h
Mean	**1.1**	**2.1**	**88**	**7.4**	**30**	**22**	**5.5**	**1.3**	**1.7**	**63**	**71**	**17.69**	**3822**	**670**
$LSD_{0.05}$[3]	**0.9**	**1.4**	**9**	**0.9**	**6**	**7**	**2.6**	**0.7**	**2.1**	**5**	**2**	**0.01**	**1021**	**200**

[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

2015 Results by Location

Table 22. Performance of genotypes at Blackville, SC, in 2015. Averages of three replicated plots planted on 12 May, and combined on 30 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	1.8	85 e-i[2]	5.8	34 c-f	9 l-p	7.4	3.2	1.1	58 b-g	70 c-k	17.11 b-i	4698 a-d	802 a-i
Sugg	0.5	1.8	85 e-i	5.8	34 c-f	10 j-n	8.7	3.0	1.0	59 a-f	72 b-g	17.67 a-e	4022 d-h	708 f-k
Wynne	0.7	2.1	91 a-f	5.9	25 g-i	19 b-e	10.1	2.5	1.1	57 c-h	71 c-i	17.51 a-g	5043 ab	881 a-d
Sullivan	0.5	1.9	91 a-g	6.1	30 e-h	13 g-l	7.3	2.9	0.8	60 a-e	71 b-i	17.55 a-f	4236 c-g	741 d-k
Spain	0.9	2.1	88 b-g	6.2	20 ij	24 ab	10.1	1.8	1.7	54 d-j	70 c-k	17.23 b-h	4477 a-f	761 c-j
07030-1-10-1	0.9	1.9	88 b-g	5.9	17 j	23 ab	15.7	2.3	1.3	51 kl	70 c-k	17.19 b-h	4998 a-c	853 a-f
07036-1-2-1	0.9	2.2	86 d-h	6.0	20 ij	21 bc	10.4	2.2	2.2	55 e-k	70 c-k	17.00 d-i	4493 a-f	753 c-j
08X09-3-14-1	0.8	2.2	83 g-i	5.9	28 e-h	17 c-f	8.2	2.0	0.5	62 a-c	72 a-e	18.15 a-c	4871 a-c	882 a-d
N09039olF	0.4	1.8	79 h-j	5.9	32 c-f	1 rs	5.7	3.5	0.9	60 a-e	70 c-j	17.05 c-i	4273 b-g	727 e-k
N09042olF	0.8	2.0	67 k	6.1	29 e-h	3 q-s	6.3	4.5	0.9	59 a-f	71 c-i	16.94 d-i	4713 a-d	796 a-i
N10025olEJ	0.5	1.4	93 a-d	6.1	24 hi	12 h-l	7.7	2.6	3.7	53 g-l	67 jk	15.77 j	3379 h	516 l
N10046ol	0.5	2.2	87 b-g	6.0	29 e-h	15 e-i	4.8	3.6	1.0	61 a-d	70 c-k	17.15 b-i	4536 a-f	776 a-j
N10078olJC	0.3	1.4	90 a-g	5.8	28 f-h	15 f-i	8.2	2.5	1.9	59 a-f	71 b-i	17.36 b-h	3477 gh	595 kl
N11020olJ	0.5	2.0	91 a-g	5.9	24 hi	17 d-h	6.8	2.7	2.2	57 c-j	68 i-k	16.50 f-j	3920 d-h	639 j-l
N11028ol	0.6	1.8	88 b-g	5.9	33 c-f	9 l-p	8.3	3.1	1.2	57 c-i	70 c-k	17.05 c-i	4911 a-c	831 a-g
N11034ol	0.7	1.6	95 ab	5.8	25 g-i	15 f-i	7.4	3.0	2.4	54 f-l	67 k	16.02 ij	4574 a-f	719 f-k
N11051olJ	0.9	1.8	85 e-i	5.9	25 g-i	17 c-g	10.7	2.5	1.9	57 c-i	72 b-h	17.50 a-g	3893 f-h	673 h-k
N12007ol	0.9	1.5	88 b-g	6.1	32 c-f	13 g-l	7.9	2.5	0.8	60 a-e	71 b-i	17.66 a-e	4697 a-e	826 a-h
N12008olCLSmT	1.1	2.0	84 f-i	5.8	29 e-h	14 f-j	7.7	3.5	0.4	59 a-f	71 c-i	17.46 a-g	4408 a-f	768 b-j
N12009olCLT	0.7	1.9	87 d-g	6.0	31 d-g	16 d-i	10.2	2.8	1.0	59 a-f	73 a-c	18.01 a-d	4713 a-d	874 a-e
N12010ol	0.9	2.1	78 ij	5.9	34 c-e	10 k-n	6.2	3.2	1.1	62 a-d	72 a-g	17.64 a-e	4275 b-g	752 c-j
N12014ol	1.0	1.7	84 f-i	5.9	37 b-d	12 i-m	6.3	2.5	1.5	63 ab	73 a-d	17.95 a-d	3950 d-h	704 f-k
N12015ol	0.4	1.6	88 b-g	6.1	32 c-f	6 n-q	7.4	2.8	1.4	59 a-f	71 c-i	18.20 ab	4223 c-g	764 b-j
N13001ol	0.3	2.1	88 b-g	6.0	33 c-f	14 f-k	6.0	2.6	1.0	62 a-c	71 b-i	17.67 a-e	4597 a-f	811 a-i
N13008ol	0.6	2.0	87 b-g	5.7	33 c-f	10 l-o	6.1	3.3	4.0	61 a-d	71 c-i	17.36 b-h	4336 a-f	689 g-k
N13015olJ	0.5	1.8	96 a	5.9	25 g-i	21 b-d	7.3	2.1	2.5	57 c-i	69 g-k	16.71 e-j	4560 a-f	749 d-k
N13021olJ	1.0	1.9	94 a-c	5.8	21 ij	26 a	7.7	2.3	1.3	61 a-d	73 a-e	17.96 a-d	4626 a-f	825 a-h
N13027olF	0.7	2.0	90 a-g	5.8	26 g-i	18 c-f	7.7	3.4	1.3	58 b-g	71 c-i	17.21 b-h	4329 a-f	743 d-k
N13041olJ	0.8	2.2	88 b-g	6.1	24 hi	7 n-q	13.1	2.7	2.5	50 kl	68 h-k	16.28 h-j	4301 b-f	687 g-k
N13042ol	1.1	1.7	91 a-f	6.0	26 g-i	6 n-q	15.6	2.4	1.5	52 j-l	71 c-i	17.21 b-h	4314 b-f	739 d-k
N13043olJ	0.4	1.6	91 a-g	6.0	24 hi	9 l-p	13.9	2.6	1.7	52 i-l	70 c-k	16.94 d-i	4243 b-g	713 f-k
N13047olJ	0.6	1.9	93 a-d	6.1	25 g-i	6 n-q	11.2	2.9	1.8	53 h-l	69 g-k	16.49 f-j	4316 b-f	706 f-k
N13048+ol	0.8	1.8	92 a-e	6.0	25 g-i	5 o-q	13.6	3.5	0.9	51 j-l	69 d-k	16.77 e-j	3973 d-h	665 i-l
N13052olL	0.7	1.7	90 a-g	5.8	24 hi	5 p-r	15.9	2.4	1.7	49 l	69 f-k	16.64 e-j	4411 a-f	725 e-k
N13056olSm	0.9	2.6	91 a-f	6.1	24 hi	8 m-p	13.2	3.4	2.0	50 kl	69 g-k	16.38 g-j	4470 a-f	725 e-k
N13059ol	0.8	2.3	91 a-g	5.9	26 g-i	7 n-p	12.2	2.7	1.4	53 h-l	69 e-k	16.75 e-j	4461 a-f	742 d-k
Ga06G	1.8	1.6	57 l	5.7	42 ab	0 s	12.5	3.2	0.8	59 a-f	75 a	18.52 a	4957 a-c	916 ab
Ga11J	0.9	5.2	72 jk	5.8	41 ab	0 s	16.3	2.1	1.5	52 h-l	72 a-f	17.75 a-e	3901 e-h	686 g-k
Ga12Y	2.2	1.6	3 m	5.7	38 a-c	0 s	5.6	4.7	0.6	64 a	75 ab	18.03 a-d	5123 a	922 a
TUFRunner511	2.6	1.6	58 l	5.8	44 a	0 s	11.4	1.8	0.2	59 a-f	72 a-f	18.15 a-c	5018 a-c	905 a-c
Mean	**0.8**	**2.0**	**84**	**5.9**	**29**	**11**	**9.5**	**2.8**	**1.5**	**57**	**71**	**17.26**	**4418**	**757**
$LSD_{0.05}$[3]	**0.7**	**0.8**	**8**	**0.3**	**6**	**4.4**	**4.1**	**1.0**	**2.0**	**5**	**3**	**0.01**	**801**	**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.

2015 Results across Locations

Table 23. Performance of genotypes averaged across test locations in 2015.

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	1.9	83 i-k	7.3	31 d-f	9 g-m	3.4	2.9	1.4	62 a-e	70 c-i	16.96 b-h	4674 a-f	790 a-d
Sugg	0.9	1.9	84 i-k	7.0	31 d-g	10 f-l	4.0	3.3	2.0	61 a-h	70 c-h	16.84 b-h	4374 b-h	731 c-f
Wynne	1.6	2.1	89 a-g	7.5	28 d-i	12 d-k	4.1	2.7	2.0	59 a-j	68 d-k	16.46 d-i	4419 b-h	716 c-f
Sullivan	0.8	2.3	84 h-k	7.4	29 d-i	9 f-l	3.4	3.3	1.5	60 a-i	68 d-k	16.51 d-i	4498 a-g	735 c-f
Spain	1.7	2.0	90 a-e	7.6	21 kl	20 bc	3.3	3.2	2.6	56 e-k	65 j-l	15.56 h-j	4193 d-h	634 d-h
07030-1-10-1	1.4	1.9	89 a-g	7.2	21 j-l	26 a	4.8	2.3	2.0	60 a-j	69 c-j	16.85 b-h	4464 a-g	741 c-f
07036-1-2-1	1.6	2.2	87 c-j	7.4	20 l	22 ab	5.1	2.5	4.4	57 d-k	69 c-j	16.17 e-i	3747 h-i	563 gh
08X09-3-14-1	1.9	2.5	83 i-k	7.4	26 e-j	18 b-d	3.3	3.1	1.4	63 a	71 b-d	17.37 a-f	4592 a-g	793 a-d
N09039olF	1.1	1.8	81 k	7.6	28 d-i	2 no	2.5	3.0	0.8	63 ab	69 c-i	16.86 b-h	4511 a-g	756 a-f
N09042olF	0.9	2.1	72 l	7.6	28 d-i	3 m-o	2.8	3.6	1.3	62 a-e	69 c-i	16.60 c-h	4502 a-g	741 c-f
N10025olEJ	0.9	2.6	91 a-d	7.1	26 f-k	9 f-l	4.0	3.2	3.7	54 jk	65 kl	15.11 ij	3417 i	692 c-g
N10046ol	1.6	1.8	88 c-i	7.5	32 c-e	14 d-h	2.8	2.4	2.0	63 a-d	70 c-i	17.04 a-h	4133 d-h	492 h
N10078olJC	0.7	2.0	88 b-i	7.5	27 d-i	13 d-i	3.6	3.2	2.4	60 a-i	69 c-i	16.64 c-h	4020 f-i	652 d-g
N11020olJ	0.9	2.4	93 a	7.4	29 e-i	14 d-g	2.9	2.7	3.3	57 b-k	66 i-l	15.70 g-j	4012 f-i	607 f-h
N11028ol	0.9	2.0	87 c-i	7.2	31 d-f	8 h-n	3.5	3.0	2.0	59 a-j	68 d-k	16.37 d-i	4780 a-d	770 a-e
N11034ol	0.8	2.4	91 a-c	7.1	25 g-l	10 f-l	4.0	3.2	4.0	52 k	64 l	14.66 j	4056 e-i	561 gh
N11051olJ	1.2	2.4	87 c-i	7.0	26 e-j	16 c-e	4.3	2.8	2.6	59 a-j	69 c-j	16.56 c-i	4339 b-h	699 c-g
N12007ol	0.9	1.6	86 e-k	7.4	32 c-e	13 d-j	3.2	2.4	1.5	62 a-d	69 c-i	17.07 a-g	4453 a-g	756 b-f
N12008olCLSmT	1.1	1.8	85 g-k	7.1	33 cd	12 e-k	3.7	2.6	1.2	63 ab	70 c-f	17.34 a-f	4778 a-d	824 a-c
N12009olCLT	1.4	1.8	84 i-k	7.1	33 cd	12 e-k	4.0	2.8	1.2	63 ab	71 c-e	17.40 a-e	4575 a-g	792 a-d
N12010ol	0.9	1.5	86 d-j	7.1	32 c-e	12 e-k	3.2	2.7	1.6	63 a-d	70 c-h	17.14 a-g	4721 a-e	801 a-d
N12014ol	1.1	2.0	82 jk	7.7	33 cd	8 i-n	3.4	3.0	2.6	61 a-g	70 c-i	16.70 b-h	4100 d-i	662 d-g
N12015ol	1.0	2.3	85 f-k	7.1	31 d-g	5 l-o	3.1	3.1	1.3	63 a-d	70 c-g	17.01 b-h	4610 a-f	780 a-e
N13001ol	0.9	2.8	85 f-k	7.5	30 d-h	9 f-l	3.1	3.4	2.2	60 a-j	68 d-k	16.36 d-i	4141 d-h	666 d-g
N13008ol	1.0	2.0	86 d-j	7.5	32 c-e	9 f-l	3.7	3.0	1.8	61 a-f	69 c-i	16.90 b-h	4477 a-g	745 c-f
N13015olJ	0.6	1.9	93 ab	7.8	26 f-k	17 b-e	3.2	2.6	2.8	59 a-j	67 e-l	16.13 e-j	4339 b-h	683 c-g
N13021olJ	1.6	2.4	89 a-h	7.5	28 d-i	18 b-d	3.0	2.8	2.6	61 a-e	70 c-i	16.82 b-h	4271 c-h	713 c-g
N13027olF	0.9	2.0	87 c-j	7.7	29 d-i	15 c-f	3.3	3.2	1.7	62 a-d	70 c-f	17.07 a-g	4546 a-g	771 a-e
N13041olJ	1.2	2.0	91 a-d	7.3	25 g-l	7 j-n	5.4	3.0	2.3	56 g-k	67 g-l	15.77 g-j	4723 a-e	733 c-f
N13042ol	1.0	2.4	89 a-h	7.5	24 i-l	7 k-n	6.8	3.3	2.4	55 h-k	67 d-k	15.94 e-j	4528 a-g	703 c-g
N13043olJ	0.9	1.7	89 a-g	7.2	25 g-l	7 k-n	6.8	3.2	2.3	55 g-k	68 d-k	16.05 e-j	4564 a-g	710 c-g
N13047olJ	1.1	2.4	92 a-c	8.0	25 g-l	7 j-n	5.8	3.0	2.3	57 c-k	68 d-k	16.23 e-i	4721 a-e	748 c-f
N13048+ol	1.2	1.8	91 a-d	7.2	24 i-l	5 l-o	6.6	3.6	2.1	55 i-k	67 f-l	15.78 g-j	4379 b-h	680 c-g
N13052olL	1.6	2.2	90 a-f	7.5	24 h-l	7 j-n	6.6	3.4	2.2	55 g-k	67 d-k	15.98 e-j	4757 a-d	745 c-f
N13056olSm	1.1	2.3	91 a-d	7.5	24 h-l	7 k-n	6.0	3.6	2.3	55 i-k	66 h-l	15.67 g-j	4505 a-g	693 c-g
N13059ol	1.1	2.4	90 a-f	7.5	25 g-l	7 j-n	5.1	3.3	2.2	56 e-k	67 f-l	15.90 f-j	4492 a-g	705 c-g
Ga06G	1.8	1.6	57 m	5.7	42 ab	0 o	12.5	3.2	0.8	59 a-j	75 a	18.52 a	4957 ab	915 a
Ga11J	0.9	5.2	72 l	5.8	41 ab	0 o	16.3	2.1	1.5	53 k	72 a-c	17.75 a-d	3901 g-i	686 c-g
Ga12Y	2.2	1.6	3 n	5.7	38 bc	0 o	5.6	4.7	0.6	64 a	75 ab	18.03 a-c	5123 a	922 a
TUFRunner511	2.5	1.6	58 m	5.8	44 a	0 o	11.4	1.8	0.2	59 a-j	72 a-c	18.15 ab	5018 ab	905 ab
Mean	**1.2**	**2.1**	**83**	**7.2**	**29**	**10**	**4.8**	**3.0**	**2.0**	**59**	**69**	**16.60**	**4435**	**732**
$LSD_{0.05}$[3]	**1.0**	**1.4**	**5**	**1.0**	**6**	**6**	**2.9**	**1.5**	**1.7**	**6**	**4**	**0.01**	**700**	**153**

[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 (2014-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.8	1.1	80 e-g[2]	7.8	35 a-d	1.9	2.5	0.7	67 ab	72 a-c	17.85 a	5274 ab	937 ab
Sugg	0.7	1.0	83 d-g	7.2	35 a-d	2.4	2.2	1.3	66 ab	72 ab	17.81 ab	4638 b-f	817 a-f
Wynne	1.5	1.9	95 a	7.5	30 e-h	1.7	2.8	1.7	63 a-d	69 b-e	16.80 a-d	4361 d-g	723 d-g
Sullivan	0.5	1.2	87 cd	7.5	34 a-e	1.7	2.7	1.2	66 a-c	71 a-d	17.53 a-c	4874 a-e	846 a-f
Spain	0.8	1.4	95 a	7.7	23 ij	1.1	3.1	1.6	59 d	65 f	15.76 d	4495 c-f	705 e-g
07030-1-10-1	0.8	1.4	94 ab	7.4	19 j	1.8	2.4	1.8	63 a-d	69 c-e	16.90 a-d	4255 e-g	715 d-g
07036-1-2-1	1.4	1.5	94 a	8.0	21 j	2.4	2.1	4.0	62 a-d	71 a-e	16.95 a-d	3755 g	611 g
N09039olF	0.6	1.3	78 fg	7.5	32 d-g	1.1	3.1	0.5	66 ab	71 a-e	17.32 a-c	5029 a-d	869 a-e
N09042olF	0.7	1.3	66 h	8.0	31 d-g	1.5	3.0	1.0	66 ab	71 a-d	17.37 a-c	4954 a-d	856 a-f
N10046ol	0.9	1.1	94 a	7.3	35 a-d	1.8	1.8	1.6	68 a	72 a	18.05 a	4895 a-e	880 a-d
N10078olJC	0.6	1.3	92 a-c	8.4	29 f-h	1.6	2.9	2.3	63 a-d	70 a-e	16.87 a-d	4657 b-f	771 b-g
N11020olJ	1.6	2.2	96 a	7.4	26 hi	1.3	2.7	2.4	61 b-d	72 ab	16.36 b-d	4266 e-g	689 fg
N11028ol	0.9	1.4	88 b-d	7.0	36 a-d	2.1	2.5	1.3	63 a-d	69 b-e	16.96 a-d	4907 a-e	823 a-f
N11034ol	1.0	1.4	82 d-g	7.2	32 c-f	2.3	3.2	3.2	60 cd	68 d-f	16.08 cd	4001 fg	635 g
N11051olJ	0.7	1.5	92 a-c	6.9	28 g-i	2.4	2.2	2.0	64 a-d	71 a-e	17.34 a-c	4483 c-f	768 c-g
N12007ol	0.6	1.1	85 de	8.2	36 a-c	1.5	2.4	1.1	66 ab	71 a-e	17.59 ab	4813 a-e	847 a-f
N12008olCLSmT	0.6	1.0	84 d-f	7.5	38 a	1.8	2.3	0.9	67 ab	72 a-c	17.19 a	5421 a	966 a
N12009olCLT	0.9	1.0	84 d-g	6.9	38 a	2.2	2.1	0.7	68 a	73 a	18.25 a	5233 ab	954 a
N12010ol	0.8	1.0	85 de	7.2	38 a	1.8	2.1	1.0	67 ab	68 ef	17.99 a	5130 a-c	916 a-c
N12014ol	0.7	1.3	84 d-g	7.1	37 ab	2.4	2.8	2.2	64 a-d	71 a-d	17.28 a-c	4871 a-e	834 a-f
N12015ol	0.7	1.1	77 g	7.4	33 b-f	1.2	2.9	0.7	67 a	72 ab	17.69 ab	5098 a-c	902 a-c
Mean	**0.8**	**1.3**	**86**	**7.5**	**32**	**1.8**	**2.6**	**1.6**	**65**	**70**	**17.24**	**4734**	**813**
$LSD_{0.05}$[3]	**0.8**	**0.7**	**6**	**1.1**	**5**	**1.2**	**1.0**	**1.9**	**6**	**3**	**0.01**	**687**	**168**

[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 (2014-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.9	1.7	80 g-i[2]	7.5	28 a-d	1.8	3.6	1.1	63 a	69 a	16.69 a	4640 ab	781 a
Sugg	0.8	1.7	80 g-i	7.1	26 a-d	2.5	3.9	1.3	62 a	70 a	16.69 a	4442 ab	744 a
Wynne	1.1	1.5	91 ab	7.6	30 a-d	2.3	2.9	1.3	63 a	69 a	16.98 a	4831 ab	819 a
Sullivan	1.0	1.6	80 g-i	7.3	26 a-d	2.8	3.7	1.1	61 a	68 a	16.51 a	4716 ab	784 a
Spain	1.9	1.8	91 ab	7.9	22 d	2.2	3.4	2.4	59 a	67 a	16.08 a	4225 b	667 a
07030-1-10-1	1.6	1.3	90 a-c	7.5	22 d	2.8	1.9	1.5	65 a	71 a	17.54 a	4597 ab	795 a
07036-1-2-1	2.0	1.8	88 b-e	7.3	23 cd	3.5	2.1	2.9	62 a	71 a	17.12 a	4149 b	691 a
N09039olF	1.1	1.5	78 hi	7.6	29 a-d	1.7	3.0	0.6	65 a	70 a	17.13 a	4903 ab	845 a
N09042olF	0.8	1.7	67 j	7.6	27 a-d	1.8	4.1	0.7	63 a	69 a	16.64 a	4808 ab	805 a
N10046ol	1.2	1.5	89 b-d	7.4	34 ab	2.3	2.4	1.6	64 a	71 a	17.41 a	4765 ab	833 a
N10078olJC	0.7	1.4	83 e-h	7.4	24 cd	3.1	3.7	1.4	62 a	70 a	16.85 a	4497 ab	764 a
N11020olJ	0.7	1.5	96 a	7.6	29 a-d	1.4	2.4	1.5	63 a	69 a	16.84 a	4757 ab	803 a
N11028ol	0.8	1.4	86 b-f	7.2	28 a-d	2.5	3.7	1.5	61 a	68 a	16.41 a	5147 a	845 a
N11034ol	0.8	1.9	81 f-i	7.2	26 a-d	2.8	3.2	2.3	58 a	66 a	15.74 a	4897 ab	754 a
N11051olJ	1.4	1.8	87 b-f	7.3	26 b-d	2.5	3.3	1.7	61 a	69 a	16.64 a	4956 ab	819 a
N12007ol	1.0	1.2	82 e-i	7.1	33 ab	2.2	2.5	1.0	65 a	71 a	17.43 a	4702 ab	820 a
N12008olCLSmT	1.1	1.4	84 c-g	7.3	31 a-c	2.5	2.8	0.8	65 a	71 a	17.45 a	4906 ab	858 a
N12009olCLT	1.2	1.3	83 d-h	7.2	34 a	3.1	2.9	1.0	64 a	71 a	17.51 a	4879 ab	859 a
N12010ol	0.7	1.1	85 c-g	7.2	31 a-c	2.7	3.0	1.4	63 a	70 a	17.11 a	4858 ab	829 a
N12014ol	0.9	1.6	78 hi	7.7	29 a-d	3.0	3.5	1.7	62 a	70 a	16.79 a	4631 ab	767 a
N12015ol	1.2	1.3	77 I	7.2	29 a-d	2.5	3.5	1.0	64 a	71 a	17.14 a	4928 ab	852 a
Mean	**1.1**	**1.5**	**84**	**7.4**	**28**	**2.5**	**3.1**	**1.4**	**63**	**70**	**16.89**	**4725**	**792**
$LSD_{0.05}$[3]	**1.1**	**0.7**	**6**	**0.8**	**8**	**1.7**	**1.6**	**2.1**	**8**	**5**	**0.02**	**895**	**237**

[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 (2014-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.7	2.1	83 c-h[2]	7.3	40 a-c	2.8	1.3	0.5	70 a-e	75 a-e	18.86 a-f	4901 a-d	924 a-c
Sugg	0.6	2.0	82 e-h	7.3	39a-e	3.2	2.0	0.2	69 b-f	75 a-e	18.80 a-f	5269 a-d	990 ab
Wynne	0.8	1.2	90 a-d	7.3	36 b-f	2.9	1.2	0.4	69 b-f	74 b-f	18.72 b-f	4759 b-d	893 a-c
Sullivan	0.5	3.8	85 b-g	7.5	36 b-f	2.3	1.8	0.3	69 d-f	73 d-f	18.40 d-f	5490 a-c	1005 ab
Spain	0.6	1.3	94 a	7.8	27 gh	1.8	1.6	0.9	67 g	71 g	17.78 g	4223 d	747 c
07030-1-10-1	0.7	1.7	91 ab	7.3	24 h	2.3	0.9	0.2	70 a-e	74 c-f	18.90 a-e	5160 a-d	976 a-c
07036-1-2-1	0.7	0.7	89 a-e	7.3	28 gh	2.7	1.0	0.7	72 a	76 a	19.39 a	4955 a-d	966 a-c
N09039olF	0.7	2.0	77 h	7.7	31 fg	1.6	1.2	0.4	71 ab	75 a-f	18.59 b-f	4813 a-d	900 a-c
N09042olF	0.4	2.2	67 i	7.6	34 d-f	2.8	1.4	0.1	70 a-f	74 b-f	18.58 c-f	5241 a-d	974 a-c
N10046ol	0.8	1.7	89 a-f	7.3	34 ef	2.8	1.1	0.3	70 a-e	75 a-f	19.06 a-c	4474 c-d	858 a-c
N10078olJC	0.5	2.0	91 a-c	7.1	36 b-f	2.8	1.3	0.4	71 a-d	75 a-c	19.13 a-c	5124 a-d	980 a-c
N11020olJ	0.4	1.8	95 a	7.3	37 a-e	1.3	1.3	0.6	70 a-e	73 d-f	18.59 b-f	4917 a-d	917 a-c
N11028ol	0.5	2.7	89 a-f	7.0	39 a-e	2.9	1.7	0.7	68 fg	73 ef	18.38 e-g	5571 a-c	1024 ab
N11034ol	0.5	2.5	83 d-h	6.9	38 a-e	2.3	1.7	0.6	68 e-g	73 f	18.28 fg	5959 a	1092 a
N11051olJ	0.6	3.2	92 ab	7.0	35 c-f	3.0	1.2	0.8	69 c-f	74 b-f	18.79 a-f	5783 ab	1084 a
N12007ol	0.4	1.5	83 d-h	7.3	41 ab	3.2	1.2	0.4	70 a-e	75 a-f	19.00 a-d	5399 a-c	1027 ab
N12008olCLSmT	0.5	1.5	79 gh	7.0	40 ab	3.4	1.5	0.2	70 a-f	75 a-e	18.94 a-e	5746 ab	1091 a
N12009olCLT	0.4	2.2	82 e-h	7.3	39 a-d	3.1	1.4	0.1	70 a-e	75 a-e	19.05 a-c	5053 a-d	965 a-c
N12010ol	0.6	1.8	85 b-g	7.2	41 a	3.9	1.5	0.3	70 a-f	76 ab	19.19 ab	5325 a-d	1020 ab
N12014ol	0.6	1.8	81 f-h	7.3	42 a	2.8	1.6	0.6	70 a-f	75 a-d	18.86 a-f	4428 cd	835 bc
N12015ol	0.5	3.6	78 gh	6.7	36 b-f	3.0	1.7	0.3	71 a-d	76 ab	18.84 a-f	5261 a-d	985 ab
Mean	**0.6**	**2.1**	**85**	**7.3**	**36**	**2.7**	**1.4**	**0.4**	**70**	**74**	**18.77**	**5136**	**964**
$LSD_{0.05}$[3]	**0.4**	**3.3**	**8**	**2.0**	**5**	**1.5**	**0.6**	**0.7**	**2**	**2**	**0.01**	**1154**	**236**

[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 (2014-2015).

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	86 b-e[2]	6.5	33 a-e	6.0	1.7	0.8	65 a-c	73 ab	18.42 a-c	4151 ab	762 ab
Sugg	0.8	1.5	87 b-e	6.4	35 a-d	6.1	1.4	1.7	65 a-c	74 ab	18.51 a-c	4122 ab	637 b
Wynne	1.5	1.7	90 a-c	6.7	33 a-e	4.8	1.7	0.7	65 a-c	72 a-d	18.01 a-d	4235 ab	761 ab
Sullivan	0.5	1.2	87 b-e	6.6	34 a-e	5.3	1.5	0.5	66 a-c	73 a-c	18.46 a-c	4814 ab	893 ab
Spain	1.2	1.4	90 a-c	6.8	22 h	4.6	1.2	1.9	62 b-d	70 cd	17.41 cd	3713 b	758 ab
07030-1-10-1	0.7	1.3	90 a-c	6.7	23 gh	4.3	0.9	1.1	66 a-c	72 a-d	18.20 a-c	4049 ab	735 ab
07036-1-2-1	0.9	1.2	90 ab	6.5	25 f-h	5.4	0.8	2.1	65 a-c	73 a-c	18.33 a-c	4465 ab	794 ab
N09039olF	1.1	1.5	79 fg	6.9	32 c-e	3.8	1.5	0.2	68 a	73 a-c	18.29 a-c	4927 ab	903 ab
N09042olF	0.8	1.7	75 g	6.8	32 b-e	4.1	1.3	1.1	67 a	73 a-c	18.17 a-c	4582 ab	836 ab
N10046ol	0.7	1.2	87 b-e	6.7	34 a-e	3.8	1.4	0.3	68 a	73 a-c	18.66 ab	4484 ab	853 ab
N10078olJC	0.5	1.8	90 ab	6.6	33 a-e	4.7	0.9	0.9	67 a	74 ab	18.76 a	4218 ab	790 ab
N11020olJ	1.0	1.9	95 a	6.5	28 e-g	5.3	1.0	2.8	62 cd	71 b-d	17.53 b-d	4263 ab	728 ab
N11028ol	0.6	1.2	90 a-c	6.7	39 a	4.3	1.5	0.8	67 a	73 ab	18.49 a-c	5235 a	967 a
N11034ol	0.6	1.6	81 ef	6.7	28 e-h	6.4	2.1	1.8	59 d	69 d	16.93 d	4484 ab	763 ab
N11051olJ	0.6	1.2	91 ab	6.4	30 d-f	5.0	1.2	0.9	67 a	74 ab	18.77 a	4468 ab	837 ab
N12007ol	0.8	1.1	87 b-e	6.5	33 a-e	5.5	1.3	0.8	66 a-c	73 a-c	18.51 a-c	4461 ab	830 ab
N12008olCLSmT	0.7	1.7	84 c-f	6.6	35 a-d	5.6	1.4	0.7	66 ab	74 ab	18.74 a	4853 ab	915 ab
N12009olCLT	1.1	1.0	87 b-e	6.3	35 a-d	4.4	1.4	0.5	68 a	74 ab	18.82 a	4759 ab	899 ab
N12010ol	0.7	0.9	85 b-e	6.4	36 a-c	5.8	1.2	0.5	67 a	74 ab	18.85 a	5062 ab	956 a
N12014ol	0.8	1.7	84 d-f	6.7	38 ab	5.5	1.3	1.3	67 a	75 a	18.79 a	4203 ab	789 ab
N12015ol	0.9	1.7	88 b-d	6.6	39 a	5.5	1.1	1.2	66 ab	74 ab	18.60 ab	4643 ab	892 ab
Mean	**0.8**	**1.4**	**87**	**6.6**	**32**	**5.1**	**1.3**	**1.1**	**66**	**73**	**18.35**	**4485**	**824**
$LSD_{0.05}$[3]	**0.9**	**1.1**	**6**	**1.4**	**6**	**2.4**	**0.7**	**1.8**	**4**	**3**	**0.01**	**1442**	**305**

[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 (2014-15).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	1.1	2.1	78 e-g[2]	5.6	29 a-c	8.7	2.8	1.0	60 b-d	73 ab	17.85 a-d	3503 a-c	620 a-f
Sugg	1.1	2.1	86 b-d	5.6	29 a-c	9.1	2.4	1.2	61 bc	74 a	18.23 a-d	3375 bc	611 b-f
Wynne	1.8	2.8	87 a-c	5.7	25 c-f	10.3	2.5	1.4	59 c-f	73 ab	17.99 a-d	3615 a-c	644 a-f
Sullivan	0.9	1.8	86 b-d	5.8	27 b-d	8.7	2.8	0.6	61 bc	73 ab	18.18 a-d	3642 a-c	659 a-f
Spain	1.7	2.7	88 a-c	5.7	19 gh	9.8	1.9	2.1	59 c-f	73 ab	17.79 b-d	3949 ab	690 a-e
07030-1-10-1	2.0	2.0	83 c-f	5.6	17 h	14.3	1.7	1.5	56 f	74 ab	18.18 a-d	3636 a-c	650 a-f
07036-1-2-1	2.5	3.0	90 ab	5.6	17 h	12.7	1.4	2.7	58 d-f	74 a	18.17 a-d	4202 a	747 a
N09039olF	1.1	2.3	76 g	5.7	31 ab	6.7	3.4	1.2	61 bc	73 ab	17.57 cd	3380 bc	589 c-f
N09042olF	1.1	2.0	66 h	5.8	28 a-d	7.2	4.1	1.0	60 b-d	73 ab	17.48 d	3245 bc	562 ef
N10046ol	1.5	2.2	86 b-d	5.6	23 d-f	6.5	2.3	1.0	65 a	75 a	18.59 a	3514 a-c	648 a-f
N10078olJC	1.1	2.4	88 a-c	5.6	26 c-e	9.6	2.3	2.2	60 c-e	74 a	17.92 a-d	3264 bc	574 d-f
N11020olJ	1.1	2.3	93 a	5.7	21 f-h	8.0	2.1	1.6	59 c-e	71 b	17.50 d	3440 a-c	594 c-f
N11028ol	1.2	2.7	83 c-f	5.7	29 a-c	10.4	2.9	1.3	58 d-f	72 ab	17.62 cd	4214 a	737 ab
N11034ol	1.7	2.2	76 g	5.7	29 a-c	8.1	3.1	1.4	60 b-d	73 ab	17.67 b-d	3530 a-c	610 b-f
N11051olJ	1.6	2.2	86 b-d	5.7	23 e-g	12.7	2.3	2.5	57 ef	74 a	17.95 a-d	3264 bc	576 d-f
N12007ol	1.0	1.6	87 a-d	5.8	26 c-e	8.5	2.4	0.8	61 bc	73 ab	18.20 a-d	3855 ab	697 a-d
N12008olCLSmT	1.0	2.2	83 c-f	5.6	27 b-d	8.5	2.8	0.9	61 bc	73 ab	18.12 a-d	3593 a-c	646 a-f
N12009olCLT	1.0	2.1	84 b-e	5.7	26 c-e	9.9	2.7	0.9	61 b-d	74 a	18.33 a-c	3880 ab	707 a-c
N12010ol	1.3	2.1	84 b-e	5.7	28 a-d	9.3	2.4	1.2	62 bc	74 a	18.40 ab	3774 a-c	688 a-e
N12014ol	1.4	2.0	81 d-g	5.7	30 ab	7.6	2.5	1.7	63 ab	75 a	18.27 a-c	2973 c	534 f
N12015ol	1.9	2.2	77 fg	5.7	32 a	8.2	2.9	1.5	61 bc	74 ab	18.23 a-d	3259 bc	589 c-f
Mean	**1.4**	**2.2**	**83**	**5.7**	**26**	**9.3**	**2.6**	**1.4**	**60**	**73**	**18.01**	**3577**	**637**
$LSD_{0.05}$[3]	**0.8**	**0.8**	**6**	**0.2**	**4**	**2.2**	**0.7**	**0.7**	**3**	**2**	**0.01**	**809**	**130**

[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 (2014-15).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.8	1.5	81 f-i[2]	7.4	33 a-d	2.7	2.5	0.8	66 a	72 a-d	17.73 a-c	4813 a-e	854 a-d
Sugg	0.7	1.5	82 f-h	7.1	33 a-e	3.2	2.6	1.2	65 a	72 a-c	17.72 a-c	4585 c-g	812 b-e
Wynne	1.3	1.6	92 bc	7.4	31 c-f	2.6	2.4	1.2	64 a-c	70 b-e	17.38 a-d	4563 d-g	789 c-f
Sullivan	0.6	1.8	84 fg	7.3	32 b-f	2.8	2.7	0.9	65 ab	71 a-e	17.49 a-c	4914 a-e	860 a-d
Spain	1.2	1.5	92 ab	7.6	23 g	2.2	2.6	1.8	61 bc	68 f	16.48 d	4229 fg	688 f
07030-1-10-1	1.0	1.4	91 bc	7.3	22 g	2.6	1.7	1.3	65 a	71 a-e	17.66 a-c	4485 e-g	789 c-f
07036-1-2-1	1.4	1.4	91 b-d	7.4	24 g	3.3	1.7	2.8	64 ab	72 a-c	17.64 a-c	4205 g	727 ef
N09039olF	0.8	1.5	78 i	7.5	31 c-f	1.8	2.5	0.4	67 a	72 a-d	17.63 a-c	4934 a-e	872 a-d
N09042olF	0.7	1.6	68 j	7.6	31 c-f	2.2	2.8	0.7	66 a	71 a-d	17.46 a-c	4891 a-e	855 a-d
N10046ol	0.9	1.3	90 b-d	7.2	34 a-c	2.5	1.8	1.2	67 a	72 a-c	18.11 ab	4724 b-e	856 a-d
N10078olJC	0.6	1.5	89 cd	7.5	29 ef	2.8	2.5	1.4	65 a	72 a-d	17.56 a-c	4608 c-g	807 b-e
N11020olJ	1.0	1.8	96 a	7.3	29 ef	2.0	2.1	1.9	63 a-c	69 d-f	17.09 cd	4538 d-g	772 d-f
N11028ol	0.8	1.6	88 de	7.0	34 a-c	2.7	2.6	1.2	64 a-c	70 c-e	17.27 b-d	5152 ab	888 a-d
N11034ol	0.8	1.8	82 f-h	7.1	30 d-f	3.1	2.8	2.2	60 c	69 ef	16.47 d	4707 b-f	772 d-f
N11051olJ	0.9	1.8	90 b-d	7.0	28 f	3.0	2.2	1.6	65 ab	71 a-d	17.58 a-c	4855 a-e	849 a-d
N12007ol	0.7	1.2	84 fg	7.4	36 a	2.7	2.0	0.9	66 a	72 a-c	17.92 a-c	4815 a-e	865 a-d
N12008olCLSmT	0.8	1.3	83 fg	7.2	35 ab	2.9	2.2	0.7	67 a	72 a-c	18.07 ab	5209 a	942 a
N12009olCLT	0.9	1.3	84 fg	7.0	36 a	3.0	2.2	0.7	67 a	73 a	18.29 a	5006 a-d	915 ab
N12010ol	0.7	1.2	85 ef	7.1	36 a	3.1	2.2	0.9	66 a	72 a-c	18.04 ab	5060 a-c	911 ab
N12014ol	0.8	1.5	81 g-i	7.3	35 a	3.2	2.6	1.6	65 ab	72 a-c	17.63 a-c	4606 c-g	804 b-f
N12015ol	0.9	1.7	79 hi	7.1	33 a-d	2.6	2.6	0.8	67 a	73 ab	17.85 a-c	4993 a-d	893 a-c
Mean	**0.9**	**1.5**	**85**	**7.3**	**31**	**2.7**	**2.3**	**1.2**	**65**	**71**	**17.57**	**4757**	**834**
$LSD_{0.05}$[3]	**0.5**	**0.7**	**3**	**0.6**	**4**	**1.0**	**0.8**	**1.0**	**4**	**2**	**0.01**	**484**	**117**

[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 (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.7	0.7	85 e[2]	7.1	39 ab	2.2	3.1	1.6	65 a	71 a	17.30 a	5771 a	966 a
Sugg	0.5	0.8	88 de	7.1	39 ab	2.3	3.3	2.5	64 ab	72 a	17.03 a	5429 ab	919 ab
Spain	0.9	1.3	94 ab	7.8	28 c	1.3	3.4	8.4	51 e	64 e	11.47 c	4864 bc	552 e
N09039olF	0.6	1.1	86 e	7.5	34 a-c	1.0	3.8	1.6	63 ab	70 a-c	16.60 ab	5267 ab	874 a-c
N09042olF	1.1	1.0	76 f	7.4	34 a-c	2.2	3.7	2.1	62 a-c	70 ab	16.65 ab	5441 ab	903 a-c
N10046ol	0.9	1.0	94 ab	7.2	41 a	2.0	2.5	3.0	63 a-c	71 ab	16.73 ab	4826 bc	802 b-d
N10078olJC	0.6	1.3	92 b-d	7.9	36 ab	2.3	3.8	4.0	60 b-d	70 a-c	15.97 ab	4864 bc	758 b-d
N11020olJ	0.5	1.8	97 a	7.4	35 a-c	1.4	3.1	4.1	57 d	66 de	15.12 b	4813 bc	718 c-e
N11028ol	0.7	1.1	90 b-d	7.2	36 ab	2.6	3.2	3.7	59 cd	68 b-d	15.22 b	5362 ab	807 a-d
N11034ol	0.7	1.2	89 c-e	7.1	32 bc	2.6	3.9	4.0	56 d	67 c-e	15.37 b	4230 c	638 de
N11051olJ	0.7	1.3	93 a-c	7.2	37 ab	2.6	2.7	4.1	60 a-d	70 a-c	15.91 ab	4967 a-c	783 b-d
Mean	**0.7**	**1.1**	**89**	**7.4**	**36**	**2.0**	**3.3**	**3.6**	**60**	**69**	**15.76**	**5076**	**793**
$LSD_{0.05}$[3]	**0.6**	**0.8**	**4**	**0.7**	**8**	**1.2**	**1.4**	**2.8**	**5**	**3**	**0.02**	**861**	**192**

[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 (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.8	1.5	81 ef[2]	7.2	28 a-c	1.7	3.6	1.4	63 ab	70 a	16.65 a	4579 ab	767 ab
Sugg	0.9	1.5	80 ef	7.0	26 bc	2.3	4.1	1.8	62 ab	70 a	16.49 a	4307 b	715 ab
Spain	1.5	1.5	92 ab	7.8	26 bc	1.6	3.4	4.1	58 b	67 a	14.66 b	4175 b	602 b
N09039olF	1.1	1.4	79 f	7.4	27 bc	1.5	3.4	0.9	64 a	70 a	16.94 a	4560 ab	778 ab
N09042olF	0.8	1.4	68 g	7.4	26 bc	2.0	4.0	0.8	63 ab	70 a	16.79 a	4571 ab	770 ab
N10046ol	1.1	1.3	90 bc	7.4	34 a	2.0	2.6	1.5	64 a	70 a	17.22 a	4438 ab	767 ab
N10078olJC	0.7	1.3	84 de	7.5	24 c	2.3	4.4	1.9	61 ab	70 a	16.33 a	4195 b	692 ab
N11020olJ	0.7	1.3	95 a	7.4	31 ab	1.3	2.6	1.5	63 ab	69 a	16.80 a	4835 ab	815 a
N11028ol	0.8	1.4	86 cd	7.1	28 a-c	2.4	3.6	2.3	60 ab	69 a	15.97 ab	5099 a	815 a
N11034ol	0.9	1.8	80 ef	7.2	25 bc	2.3	3.3	2.1	60 ab	68 a	16.05 ab	4789 ab	757 ab
N11051olJ	1.2	1.6	88 b-d	7.1	28 a-c	2.1	3.3	2.2	62 ab	69 a	16.42 a	4474 ab	733 ab
Mean	**1.0**	**1.5**	**84**	**7.3**	**28**	**2.0**	**3.5**	**1.9**	**62**	**69**	**16.39**	**4547**	**746**
$LSD_{0.05}$[3]	**0.7**	**0.5**	**4**	**0.7**	**7**	**1.1**	**1.3**	**1.8**	**6**	**4**	**0.02**	**694**	**179**

[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 (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.6	1.8	82 c[2]	6.8	41 a-c	2.9	1.5	0.7	69 a	74 ab	18.61 ab	5346 a-c	992 a
Sugg	0.5	1.9	82 c	6.9	39 a-c	3.0	2.1	1.5	67 ab	74 ab	18.09 bc	5489 a-c	989 a
Spain	0.5	1.3	92 ab	7.3	34 d	2.1	1.5	2.4	64 c	70 c	16.74 d	4593 c	759 b
N09039olF	0.5	1.6	80 c	7.2	34 d	2.3	1.2	0.7	70 a	74 ab	18.44 a-c	5264 a-c	972 a
N09042olF	0.4	1.8	71 d	7.1	37 b-d	3.4	1.5	0.5	68 ab	74 ab	18.39 a-c	5507 a-c	1012 a
N10046ol	0.6	1.5	90 ab	6.9	42 ab	2.5	1.3	0.8	70 a	74 ab	18.81 a	5026 bc	946 ab
N10078olJC	0.4	1.8	90 b	6.7	40 a-c	3.0	1.4	1.6	69 a	75 a	18.50 a-c	5398 a-c	996 a
N11020olJ	0.3	1.7	96 a	6.9	45 a	1.6	1.1	1.1	69 a	73 b	18.51 a-c	5440 a-c	1007 a
N11028ol	0.4	2.3	89 b	6.6	41 a-c	3.8	1.6	1.6	66 bc	73 b	17.91 c	5918 ab	1057 a
N11034ol	0.4	2.2	82 c	6.5	37 b-d	2.7	1.8	1.1	67 ab	73 b	18.04 bc	6095 a	1101 a
N11051olJ	0.5	2.6	92 ab	6.7	40 a-c	3.6	1.4	2.0	67 ab	74 ab	18.17 bc	5859 ab	1060 a
Mean	**0.5**	**1.9**	**86**	**6.9**	**39**	**2.8**	**1.5**	**1.3**	**68**	**73**	**18.20**	**5449**	**990**
$LSD_{0.05}$[3]	**0.3**	**1.4**	**6**	**1.6**	**5**	**1.4**	**0.5**	**1.2**	**3**	**2**	**0.01**	**951**	**187**

[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 (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.5	1.3	85 cd[2]	6.9	38 ab	4.5	1.5	1.1	66 a-c	73 ab	18.36 a	4149 ab	760 ab
Sugg	0.6	1.5	88 bc	7.1	39 ab	4.5	1.4	2.6	66 a-c	74 a	18.13 a	4042 ab	730 ab
Spain	0.8	1.3	92 ab	8.4	29 b	3.2	1.1	5.8	60 d	70 c	14.70 b	3571 b	526 b
N09039olF	0.9	1.3	82 d	7.5	34 ab	3.0	1.3	0.4	69 a	73 ab	18.39 a	4755 a	875 a
N09042olF	0.6	1.7	75 e	7.3	34 ab	3.6	1.3	1.5	68 ab	74 ab	18.06 a	4607 ab	835 a
N10046ol	0.6	1.2	90 bc	6.8	42 a	3.3	1.1	0.8	69 a	74 ab	18.73 a	4624 ab	889 a
N10078olJC	0.4	1.5	89 bc	7.2	40 ab	3.7	1.0	1.7	68 ab	74 ab	18.41 a	4113 ab	758 ab
N11020olJ	0.7	1.6	96 a	7.0	38 ab	4.0	0.9	2.4	64 bc	71 bc	17.74 a	4261 ab	743 ab
N11028ol	0.5	1.2	91 a-c	7.1	42 a	3.6	1.3	2.1	66 a-c	73 ab	17.78 a	5053 a	901 a
N11034ol	0.5	1.4	80 de	7.0	32 ab	5.2	1.8	1.9	62 cd	71 bc	17.42 a	4348 ab	759 ab
N11051olJ	0.5	1.3	91 a-c	6.9	37 ab	4.7	1.1	1.9	67 a-c	74 a	18.30 a	4511 ab	825 a
Mean	**0.6**	**1.4**	**87**	**7.2**	**37**	**3.9**	**1.3**	**2.0**	**66**	**73**	**17.82**	**4635**	**782**
$LSD_{0.05}$[3]	**0.7**	**0.9**	**6**	**1.8**	**13**	**2.6**	**0.6**	**2.9**	**4**	**3**	**0.02**	**1095**	**237**

[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 (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.8	1.7	75 cd[2]	5.5	30 ab	7.8	2.7	1.3	61 b	73 ab	17.82 ab	3737 a	606 b
N09039olF	0.9	2.1	68 d	5.6	26 ab	6.1	3.4	2.1	61 b	73 a-c	16.97 bc	3483 a	590 b
N09042olF	0.8	1.7	56 e	5.6	25 b	6.9	3.5	1.6	61 b	73 a-c	17.34 bc	3336 a	542 b
N10046ol	1.2	1.9	84 ab	5.5	32 a	6.6	2.1	1.4	64 a	75 a	18.34 a	3520 a	619 ab
N10078olJC	0.7	2.2	84 ab	5.5	31 ab	8.3	2.3	2.6	60 b	74 ab	17.58 a-c	3274 a	566 b
N11020olJ	0.9	2.1	91 a	5.5	30 ab	7.7	2.0	1.8	60 bc	71 c	17.21 bc	3293 a	607 b
N11028ol	1.2	2.2	80 bc	5.5	30 ab	9.4	3.0	2.5	57 d	72 bc	16.77 c	3670 a	715 a
N11034ol	1.2	2.0	68 d	5.5	29 ab	7.5	3.0	1.7	61 b	73 a-c	17.55 a-c	3339 a	612 b
N11051olJ	1.1	1.9	85 ab	5.5	30 ab	10.6	2.3	2.7	58 cd	73 ab	17.50 a-c	3316 a	523 b
Mean	**1.0**	**2.0**	**77**	**5.5**	**29**	**7.9**	**2.7**	**2.0**	**60**	**73**	**17.45**	**3441**	**598**
$LSD_{0.05}$[3]	**0.6**	**0.6**	**9**	**0.2**	**7**	**1.9**	**0.6**	**1.0**	**2**	**2**	**0.01**	**614**	**100**

[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 35. Performance of genotypes at all locations. Three-year averages (2013-2015).

Variety	% LSK	% FM	% Fancy	% Water	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[1] lb/A	Value $/A
Bailey	0.7	1.3	83 de[2]	7.1	35 a-c	2.6	2.7	1.3	65 a	72 a	17.50 a	4940 ab	865 a
Sugg	0.6	1.4	84 d	7.0	34 a-c	2.9	3.0	2.1	64 ab	72 a	17.23 a-c	4759 nc	821 a
Spain	1.0	1.4	92 b	7.8	28 d	1.9	2.6	5.2	58 d	67 c	14.26 d	4312 c	605 b
N09039olF	0.8	1.3	81 e	7.4	31 b-d	1.8	2.7	0.9	66 a	71 a	17.41 ab	4905 ab	857 a
N09042olF	0.8	1.4	72 f	7.3	32 b-d	2.6	2.9	1.2	65 ab	71 a	17.29 a-c	4971 ab	861 a
N10046ol	0.8	1.2	91 bc	7.1	39 a	2.4	2.0	1.6	66 a	72 a	17.68 a	4680 bc	828 a
N10078olJC	0.6	1.4	88 c	7.4	33 b-d	2.7	3.0	2.3	63 a-c	71 a	17.04 a-c	4572 bc	778 a
N11020olJ	0.6	1.6	96 a	7.2	36 ab	1.9	2.1	2.3	63 a-c	69 bc	16.88 a-c	4835 b	813 a
N11028ol	0.6	1.4	89 c	7.0	35 ab	3.0	2.7	2.5	62 bc	70 ab	16.49 c	5310 a	875 a
N11034ol	0.7	1.6	83 de	7.0	30 cd	3.0	2.9	2.3	61 c	69 bc	16.51 bc	4811 b	792 a
N11051olJ	0.8	1.6	90 bc	7.0	34 a-c	3.0	2.4	2.6	63 a-c	71 ab	16.97 a-c	4864 ab	824 a
Mean	**0.7**	**1.4**	**86**	**7.2**	**33**	**2.5**	**2.6**	**4.3**	**63**	**70**	**16.84**	**4814**	**811**
$LSD_{0.05}$[3]	**0.3**	**0.4**	**3**	**0.5**	**5**	**0.8**	**0.8**	**1.2**	**3**	**2**	**0.01**	**467**	**104**

[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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