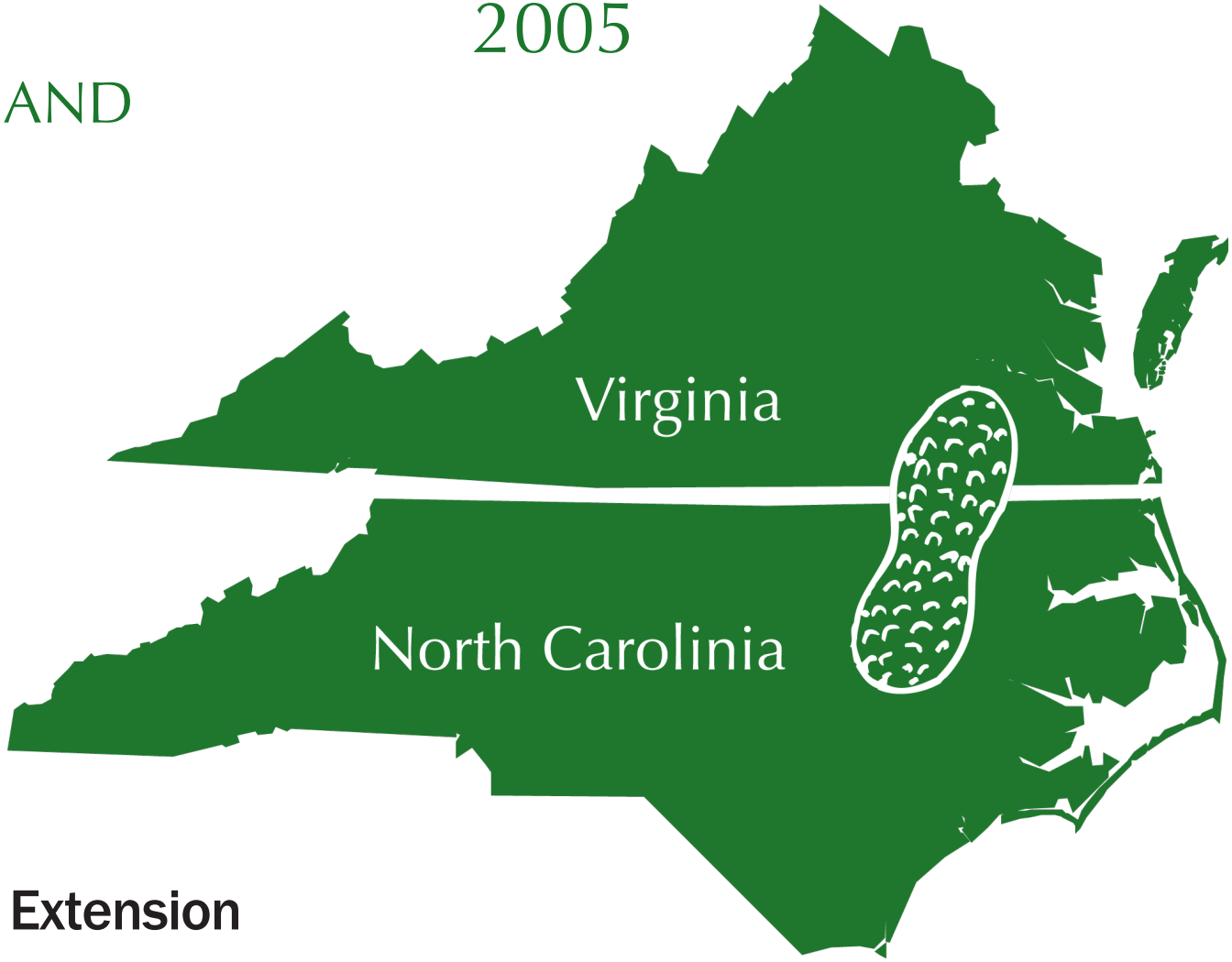
PEANUT VARIETY AND QUALITY EVALUATION RESULTS

2005

I. AGRONOMIC AND GRADE DATA



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2005 PEANUT VARIETY AND QUALITY EVALUATION RESULTS

I. Agronomic and Grade Data

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2006

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Acknowledgments

The author expresses appreciation for the technical support provided by Hugh Pittman, Pam Copeland, and Franklin Bryant. The author also thanks and recognizes the dedicated efforts of Carolyn Daughtrey, Brenda Kennedy, Linda Harrell, and Julie Simmons in the processing of numerous samples. Thanks to Willy Beale and Stephen Glasscock for their help beginning at planting and continuing through the fall. The assistance of each individual in the collection of data, processing of samples, quality control, and preparation of these reports is collectively important to making this information available. Special thanks go to Josh Gaddy for his assistance with the Sampson County test, to David Jordan and Josh Gaddy for their help in coordinating summer and fall tours of Peanut Variety and Quality Evaluation Results (PVQE) plots in North Carolina, and to Rex Cotton, Pat Phipps, and Joel Faircloth for their reviews of the manuscript.

Thanks are also due others who contributed the products, equipment, land, and funds needed to conduct this research. The cooperation of the following contributors is sincerely appreciated:

AMVAC – Fumigant

Amadas Industries – Equipment

Aventis – Insecticide

BASF Corporation – Fungicide and Herbicide

Bayer Cropscience – Fungicide and Seed Treatment

Coastal Chemical Corporation – Fertilizer and Spray Adjuvant

Dow Agro Sciences LLC – Herbicide and Insecticide

DuPont – Insecticide

Monsanto – Herbicide

Nitragin – Inoculant

Syngenta – Fungicide, Herbicide, and Seed Treatment

Valent USA Corporation – Herbicide and Insecticide

Virginia Peanut Growers Association – Grant

Virginia-Carolina Peanut Association, Inc. – Grant

Table of Contents

List of Tables

List of Figures

Introduction

Peanut producers in Virginia and northeastern North Carolina generally grow the same peanut varieties. This is due to the geographic location of the two-state production area, associated industries for processing and marketing, and the historical large-seeded Virginia-type peanut. In view of these similarities, the two states work through a joint program to evaluate advanced breeding lines and standard varieties throughout their respective production areas. This report contains the agronomic and grade data for the 2005 evaluations.

Experimental Procedures

Breeding lines that previously exhibited potential as new varieties may be evaluated in this program. Recommendation for inclusion in PVQE Program tests is based upon data submitted by the breeder supporting meritorious performance of the lines. The breeding lines and standard varieties tested in 2005 are listed along with their pedigrees (Table 1).

Seasonal Conditions and Summary of Yield

At planting, rainfall was adequate but the accumulation of heat units was below normal at test sites in southeast Virginia and throughout the Coastal Plain of North Carolina in 2005. Subsequently, the season generally became droughty as flowering and pod set occurred. Rainfall and cool temperatures did not permit planting of tests in all locations during the first half of May, which is the normal planting time in the Virginia-Carolina area. Although some of the tests were planted during the latter half of May, seedling emergence was strong and uniform stands were obtained at all test locations.

Table 1. Breeding lines and varieties evaluated in 2005

Variety or Line	Pedigree	Variety or Line	Pedigree
NC-V 11	(Fgt x NC 5) x (Fgt x Valencia)	N02006	Gregory / N91040
Gregory	NC 7 x NC 9	N02007	Gregory / N91040
NC 12C	NC 7 x NC 9	N02009	Gregory / N91040
VA 98R	VA 81B x VA 780839P	N02010	Gregory / N91040
Wilson	VA 781621 x PI 476823	N02020J	N91003E / Gregory
Perry	(NC 7 x Florigiant) x N90021	N02060ol (Per)†	X96224 (BC1F1-01-04: F02) / Perry
CHAMPS	VA 8911215 x VA-C 92R	VT 003193	N92037 / VA 901082
Phillips	N90014E x N91024	VT 003194	N93008 / VA 901082
N99103ol (9)†	NC 9 / X90047 (F2-S-S-18: F05)	VT 004167	N91054E / Wilson
VT 976133	VA-C 92R x VA 861101	VT 004180	N92037 / VA 901082
Brantley	X96156 (BC3F1-01: F01) / NC 7	VT 024051	VA 98R // X98011 (F1), Perry / N96076L
N00098ol (Gre)†	X96201 (BC1F1-01: F01) / Gregory	N03005J	NC 12C*2 / N96076L
N00035J	N90010E / N92020	N03006J	Perry*2 / N96076L
N01054	N90010E / VA 9210162	N03020E	VA 98R // X98011 (F1), Perry / N96076L
N01083	N91054E / VA 9210162	N03023EF	VA 98R // X98011 (F1), Perry / N96076L
VT 003069	N91004E / VA 93B	N03081T	NC 12C*2 / N96076L
VT 003126	NC 12C / Wilson	N03088T	NC 12C*2 / N96076L
VT 003159	NC 12C / VA 93B	N03089T	NC 12C*2 / N96076L
VT 003167	N91003E / VA 901082	N03090T	NC 12C*2 / N96076L
VT 003181	N91054E / VA 901082	N03091T	Gregory // X98006 (F1), N90010E / Tamrun 98
VT 004100	N90010E / VA 901082	VT 023015	VA 98R // X98011 (F1), Perry / N96076L
VT 004123	N91003E / VA 9210162	VT 024044	Wilson*2 / Tamrun 98
VT 004178	N92037 / VA 901082	VT 024060	VA 98R // X98011 (F1), Perry / N96076L
N01013T	PI 371853 / 2*N90010E	VT 024077	Wilson*2 / N95003C
N02005	Gregory / N91040		

†Indicates advanced line is the result of a cross to a released variety.

Rainfall was less than adequate at most locations during the 2005 growing season. Compared to other test locations, Southampton received the least amount of monthly rainfall during the growing season and the lowest total rainfall. All other locations were either at or below normal rainfall, particularly during July, August, and September. August and September also had above average daily temperatures, which resulted in delayed pod development and maturity at harvest. Accumulated heat units in late September did not correlate well with observations of pod maturity as a result of drought stress.

Weather conditions at harvest were near normal; however, the duration and frequency of rainfall events delayed digging at several locations. At the Martin and Southampton sites, heavy rainfall followed by extended cloud cover delayed the harvest of peanuts that were in windrows and resulted in the growth of sooty molds on pods and reduced quality. In locations with significant disease pressure, unusually warm temperatures and wet weather in October led to a noticeable decrease in yield from the second dig date as plant foliage deteriorated and additional pods were lost.

Complete rainfall data for 2005 are shown in Table 2 for the growing season (planting through harvest) and show a range of a season high of 35.39 inches at Suffolk to a season low of 24.41 inches at Whiteville. The considerable variation in soil textures, soil fertility and pH, tillage practices, crop rotations, elevation, and seasonal accumulation of heat units exists among locations may have affected yield and quality. Two inches of irrigation water were applied at Suffolk (only location with available supplemental water); whereas, irrigation was not available at the remaining test locations. As a result, the percent of farmer-stock fancy pods, percent of extra large kernels, pod yield, and value per acre (across dig dates and entries) was considerably higher at Suffolk compared to theSouthampton, Martin, Sampson, and Columbus county test sites.

Cooperators

Tests in Southampton County, Virginia, and in Martin and Sampson counties, North Carolina, were conducted on privately owned farms. Other tests were conducted at the Tidewater Agricultural Research and Extension Center at Suffolk, Virginia, and the Border Belt Tobacco Research Station in Columbus county, North Carolina, near Whiteville. The cooperative spirit and civic-minded service rendered by the farmers and university farm staff during the duration of these tests are greatly appreciated. The test sites for 2005 are shown in Figure 1.

Cooperators for each test location were as follows:

Columbus County, North Carolina – Border Belt Tobacco Research Station, Ty Marshall, Farm Manager

Martin County, North Carolina – Taylor Slade Farm, Taylor Slade, Owner

Sampson County, North Carolina – Hudson Farms, Jart Hudson, Owner

Southampton County, Virginia – Pond Farm, Jack Pond, Owner

Suffolk, Virginia – Tidewater Agricultural Research and Extension Center, Bobby Ashburn, Farm Manager

Agencies Sponsoring Varieties or Lines

In 2005, the following agencies sponsored varieties or lines for evaluation:

North Carolina Agricultural Research Service

Virginia Agricultural Experiment Station

Table 2. Precipitation (inches) at each of the five test sites during 2005

Location	May	June	July	Aug.	Sep.	Oct.	Total	Normal
Columbus	3.75	4.51	3.92	3.27	1.44	5.70	22.59	28.95
Martin	4.40	3.40	4.15	3.45	2.00	12.32	29.72	26.52
Sampson	3.52	4.97	5.57	3.87	2.43	4.73	25.09	27.84
Southampton	3.60	1.10	4.20	1.40	1.30	4.10	15.70	25.50
Suffolk	4.03	2.30	4.16	2.59	2.90	6.87	22.85	27.65

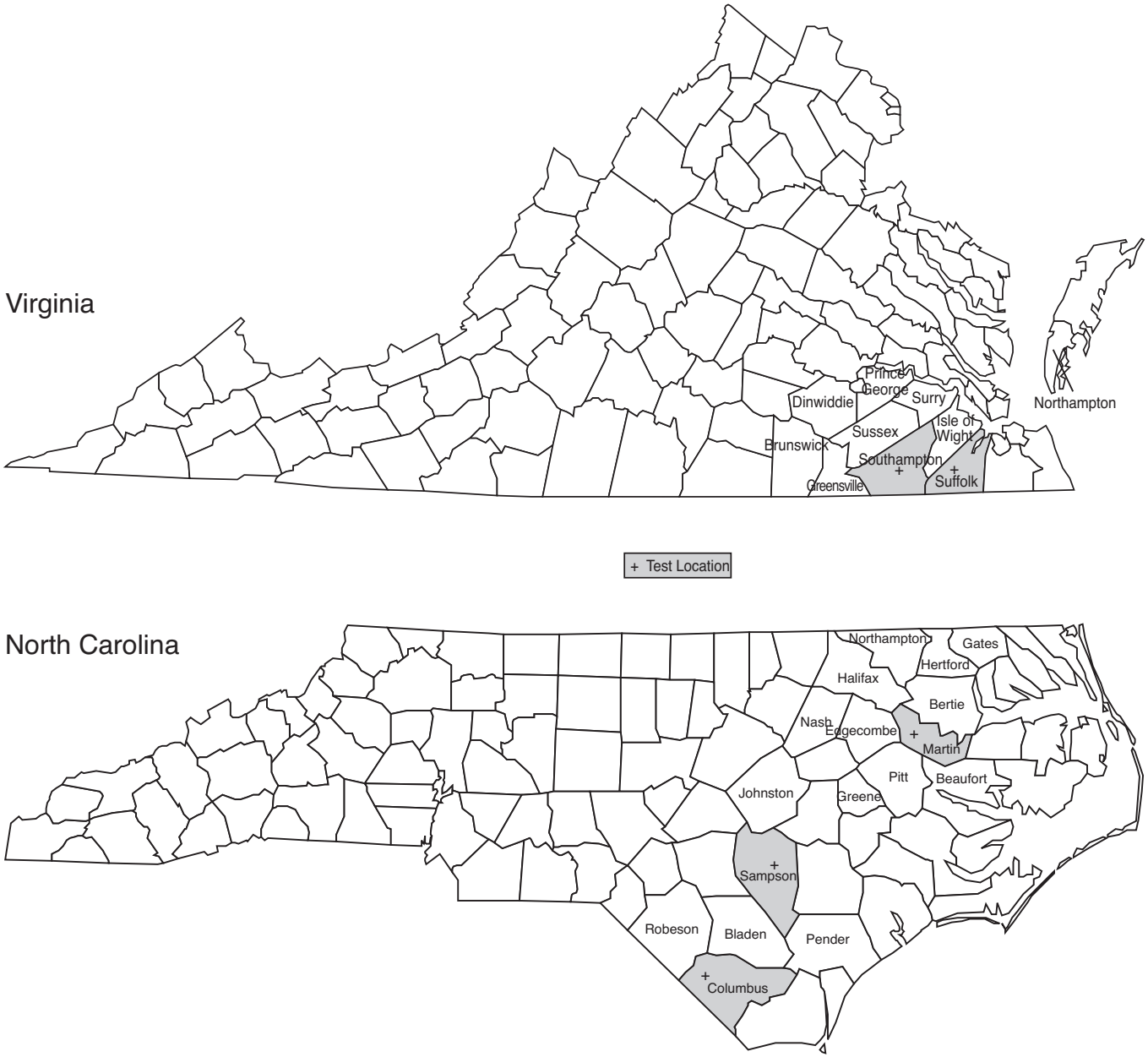

Figure 1. Major Peanut Producing Counties of Virginia and North Carolina

Definitions of Data Terms

The following data were collected at all test locations: market grade factors, price per hundred weight, yield, and value per acre. The data presented in this report are averages across replications. Statistical analyses were performed and reported for digging dates 1 and 2.

Data Terms Used

1. Grade Sample: a 500-g (approx. 1-lb) subsample of pods dried to 10 percent moisture after collection during combining operations on both yield rows in each plot.
2. % Loose Shelled Kernels (LSK): the percentage of peanut kernels or portions of kernels completely separated from hulls.
3. % Foreign Material (FM): anything other than peanuts found in the sample, including dirt, vines, sticks, stones, insects, broken shells that contain no peanut kernels, raisins, etc. "Raisins" are defined as extremely immature undeveloped peanuts with badly shriveled and shrunken shells that cannot be shelled by machinery.
4. % Moisture: moisture content of the peanut kernels at grading as determined by an electronic moisture tester.
5. % Fancy: in-shell peanuts that ride the 34/64-inch spacing set on the sizer.
6. % Total Kernels: all kernels in the shelling sample, including sound mature kernels, sound splits, other kernels, and damaged kernels.
7. % Extra Large Kernels (ELK): kernels that ride a 21.5/64-x-1-inch slotted screen.
8. % Sound Splits (SS): split or broken kernels that are not damaged. Portions less than 1/4 of a whole kernel are not included but go into other kernels.
9. % Other Kernels (OK): kernels which pass through a 15/64-x-1-inch slotted screen. Splits and broken pieces 1/4 kernel or larger that pass through this screen are picked out and put with sound splits or damaged kernels, depending upon their condition.
10. % Damaged Kernels (DK): any kernels which are moldy, decayed, or have been affected by insects, weather conditions, or skin and flesh discoloration.
11. % Sound Mature Kernels (SMK): the whole kernels which ride a 15/64-x-1-inch slotted screen. Splits that ride this screen are placed with the splits, either sound or damaged as the case may be.
12. Support Price ($/cwt): based on a standard loan price ($353.15 per ton for Virginia-type and $356.06 per ton for runner-type peanuts) taking the various grade factors into consideration.
13. Yield (lb/A): plot weights were obtained for each plot and converted to an acre basis. All yields are net, adjusted to a standard 7% moisture with foreign material deducted.
14. Value ($/A): computed by the following formula:

$$*\text{Value} = \frac{\text{(Yield - (\% LSK)(Yield)(Support Price/lb)) + Yield(\% LSK)}}{\text{.07/lb LSK}}$$

*Determination of value ignores loan deductions for kernels with damage greater than 2.5% (Seg 2) in 2005 and in previous seasons.

2005 Small Plot Tests

Three small plot tests were located in North Carolina and two in Virginia. Nine check varieties and 40 advanced breeding lines entered by public breeders were evaluated. Test cooperators, locations, soil types, and dates on which planting and harvesting were performed are listed in Table 3.

Cultural practices were performed according to Virginia and North Carolina recommendations for producing high yields and acceptable quality (Tables 4-8). Each plot consisted of two 40-foot rows spaced 36 inches apart. All plots were planted (three seeds per foot of row) with a two-row planter. Two dates of digging were arranged in adjacent studies, each replicated twice in a randomized complete block design. All plots were dug and combined with commercial machinery.

Plant growth habit and plant height (main stem) were taken in early August with the results reported in Table 8. These data reflect the growth habit and/or plant height of varieties and breeding lines as influenced by environment or soil type.

Some disease was present at all locations. The symptoms of severely yellow or dead plants were typical of tomato spotted wilt virus (TSWV) and/or Cylindrocladium black rot (CBR). Ratings based on the percentage of linear feet of row with severe disease symptoms at digging are reported in Table 9 for each location as well as the mean for all locations. These data show differences among varieties and breeding lines with some breeding lines identified that have less disease than some commercial varieties. The percentage of jumbo and fancy pods based on farmers' stock grades are presented for individual locations in Tables 11 and 12 for Dig I and Dig II, respectively. Pod brightness as determined by colorimeter readings (Hunter L scores) are presented in Table 12 for Dig I and Dig II in 2005. These data indicate that pod size and pod color vary among breeding lines and varieties.

Yield and grade data for 2005 are presented by location in tabular form. Since the genetic expression of a variety or line is influenced by the environment, varieties or lines react differently at different locations. Therefore, more emphasis should be placed on individual locations than averages across locations.

For 2005, an additional PVQE test location was added in Sampson County, North Carolina, and other PVQE tests were planted in different locations than previous years. Until 2003, the North Carolina locations included Northampton County. However, in 2005, the Columbus County site continued to replace the one in Northampton County as it did in 2004. In 2005, a PVQE test was planted back in the "original" Martin County location, which had been replaced by a location in Bertie County (Lewiston, 20 miles apart) in 2004. For Tables 37, 38, 47, 48, 57, 58, 67, and 68, the two-, three-, four-, and five-year averages across locations will represent the above mentioned changes. There has been no change in test locations from previous seasons in Virginia for 2005.

The data presented have been analyzed statistically by digging dates at each location. In 2005, peanuts were first dug when the early- to mid-maturing lines had reached their optimum maturity (determined by 60 to 70 percent of whole pods with mesocarp tissue either brown or black). A second dig date was initiated when mid- to late-maturing lines had reached optimum maturing, also denoted by 60 to 70 percent of whole pods with mesocarp tissue either brown or black. Statistical comparisons should not be made between digging dates; however, statistical comparisons may be made between varieties or lines within the same digging date. The data for 2005 characters described under "definition of data terms" are presented in Tables 15 through 24 for the individual counties. The averages across locations in 2005 are presented in Table 25 for the first digging date and Table 26 for the second digging date. Statistical differences were recorded among the varieties and lines for each location and averages across locations for each of the two digging dates. Each location and digging date should be reviewed separately and decisions based entirely within that location and digging date. Tables 27 and 28 contain the value ($/A) ranked from highest to lowest variety or line by location and digging date.

Two, three, four, and five-year averages for individual locations by digging dates and averages across all locations are presented in Tables 29 through 68. These multiple-year data for each location and average across locations should aid in evaluating the overall merit of varieties or lines tested for more than one year.

Table 3. Cooperators, soil types, and planting, digging, and combining dates for 2005

Cooperator	Soil Type	Planting Date	Digging Date		Combining Date	
			I	II	I	II
City of Suffolk, Virginia Bobby Ashburn, Farm Manager Tidewater Research Farm *Suffolk, Virginia*	Eunola LFS	May 11	September 22	October 6	October 1	October 26
Southampton County, Virginia Jack Pond *Sedley, Virginia*	Emporia FSL	May 12	September 28	October 18	October 18	November 3
Martin County, North Carolina Taylor Slade *Williamston, North Carolina*	Norfolk LFS	May 27	September 27	October 17	October 17	November 2
Columbus County, North Carolina Ty Marshall Border Belt Tobacco Research Station *Whiteville, North Carolina*	Norfolk FSL	May 19	September 26	October 13	October 4	October 20
Sampson County, North Carolina Jart Hudson *Warsaw, North Carolina*	Norfolk A LS	May 18	September 26	October 13	October 5	October 19

Cultural Practices

Table 4. Cultural practices used in Martin County, North Carolina – 2005

Planting Date: May 27, 2005
Previous Crop: cotton
Soil Type: Norfolk loamy fine sand

Soil Test Results:		index	index	%	%	index	index
	pH	P	K	Ca	Mg	Zn	Mn
	6.2	128	37	58	11	90	61

Soil Fumigant: none			
Herbicides			
Preemergence:	6/1/05	-	Dual Magnum 1 pt/A + Gramoxone 5.5 oz/A + Basagran 2 pt/A + Induce 4 oz/A
Postemergence:	7/1/05	-	Dual Magnum 1 pt/A + Basagran 2 pt/A + AgriDex 6 oz/A
Cultivation:	6/28/05 & 7/8/05		
Nematicide:	5/17/05	-	Nemacur 15G 13 lb/A
Insecticides			
In-Furrow:	5/27/05	-	Temik 15G 7 lb/A
Rootworm:	7/8/05	-	Lorsban 13 lb/A
Contact:	8/4/05	-	Danitol 1 pt/A
	9/12/05	-	Danitol 10.6 oz/A
Landplaster:	7/8/05	-	420 1200 lb/A
Boron:	7/1/05	-	10% Liquid 1 qt/A
	7/19/05	-	10% Liquid 1 qt/A
Manganese:	7/19/05	-	5% Liquid 1 qt/A
	8/3/05	-	5% Liquid 1 qt/A
Disease Control:	7/1/05	-	Bravo W.S. 1.5 pt/A
	7/19/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/3/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/24/05	-	Headline 9 oz/A
	9/12/05	-	Bravo W.S. 1.5 pt/A + Omega 500 1.5pt/A

Table 5. Cultural practices used in Columbus County, North Carolina – 2005

Planting Date: May 19, 2005
Previous Crop: tobacco
Soil Type: Noboco fine sandy loam

Soil Test Results:		index	index	%	%	index	index
	pH	P	K	Ca	Mg	Zn	Mn
	5.8	48	39	61	9	73	48

Soil Fumigant: none			
Herbicides:	4/28/05	-	Sonolan 2 pt/A + Vernam 3 pt/A
Preplant:	5/26/05	-	Strongarm 0.45 oz/A
Preemergence:			
Cultivation:	mid-June		
Irrigation:	not available		
Insecticides			
In-Furrow:	5/19/05	-	Temik 15G 6 lb/A
Rootworm:	None		
Contact:	6/13/05	-	Orthene 6 oz/A
Landplaster:	7/1/05	-	1000 lb/A
Boron:	8/10/05	-	Solubor 0.5 lb/A
Manganese:	8/10/05	-	EleManganese 1.5 pt/A
Disease Control:	7/12/05	-	Bravo 1.5 pt/A
	7/27/05	-	Folicur 7 oz/A
	8/11/05	-	Bravo 1.5 pt/A + Tracer 3 oz/A
	8/26/05	-	Omega 1 pt/A + Tilt 2 oz/A

Table 6. Cultural practices used in Southampton County, Virginia – 2005

Planting Date: May 12, 2005
Previous Crop: corn
Soil Type: Emporia fine sandy loam

Soil Test Results:	ppm						
	pH	P	K	Ca	Mg	Zn	Mn
	6.2	54	60	525	49	0.6	2.1

Soil Fumigant:	4/20/05	-	Vapam 8.6 gal/A
Herbicides			
Preplant:	4/19/05	-	Prowl 1 qt/A
	4/26/05	-	Dual Magnum 1 pt/A
Preemergence:	5/31/05	-	Strongarm 0.45 oz/A + Intro 2 qt/A
Cultivation:	6/27/05 & 7/7/05		
Irrigation:	not available		
Insecticides			
In-Furrow:	5/12/05	-	Temik 15G 7 lb/A
Rootworm:	7/7/05	-	Lorsban 13 lb/A
Contact:	5/31/05	-	Orthene 6 oz/A
	8/22/05	-	Danitol 1 pt/A
	9/12/05	-	Danitol 10.6 oz/A
Landplaster:	6/21/05	-	420 1200 lb/A
Boron:	4/26/05	-	10% Liquid 2 qt/A
	8/2/05	-	10% Liquid 2 qt/A
Manganese:	7/19/05	-	5% Liquid 2 qt/A
	8/2/05	-	5% Liquid 2 qt/A
Disease Control:	7/5/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	7/19/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/2/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/22/05	-	Headline 9 oz/A
	9/12/05	-	Equus 720 1.5 pt/A + Omega 1 pt/A

Table 7. Cultural practices used in Suffolk, Virginia – 2005

Planting Date: May 11, 2005
Previous Crop: corn
Soil Type: Eunola loamy fine sand

Soil Test Results:	ppm						
	pH	P	K	Ca	Mg	Zn	Mn
	6.4	22	41	243	31	0.8	1.6

Soil Fumigant:	4/18/05	-	Vapam 8 gal/A
Herbicides			
Preplant:	4/26/05	-	Dual Magnum 1 pt/A
Preemergence:	5/30/05	-	Strongarm .45 oz/A + Intrro 2 qt/A
Cultivation:	6/15/05 & 7/6/05		
Irrigation:	9/7/06	-	one inch
	9/8/06	-	one inch
Insecticides	5/11/05	-	Temik 15G 7 lb/A
In-Furrow:	7/6/06	-	Lorsban 13 lb/A
Rootworm:	5/30/05	-	Orthene 6 oz/A
Contact:	8/25/05	-	Asana XL 6 oz/A
	9/9/05	-	Danitol 10.6 oz/A
Landplaster:	6/22/05	-	420 1500 lb/A
Boron:	4/26/05	-	10% Liquid 2 qt/A
Manganese:	7/18/05	-	5% Liquid 2 qt/A
	8/3/05	-	5% Liquid 1 qt/A
Disease Control:	7/5/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	7/18/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/3/05	-	Folicur 7.2 oz/A + Induce 1.8 oz/A
	8/25/05	-	Headline 9 oz/A
	9/9/05	-	Bravo W.S. 1.5 pt/A + Omega 500 1.5 pt/A

Table 8. Cultural practices used in Sampson County, North Carolina – 2005

Planting Date: May 18, 2005
Previous Crop: corn
Soil Type: Norfolk A Loamy Sand

Soil Test Results:		**index**	**index**	**%**	**%**	**index**	**index**
	pH	P	K	Ca	Mg	Zn	Mn
	5.5	116	103	46	10	92	75
Soil Fumigant:	none						
Herbicides							
Preplant:	Roundup 1.5 pt/A + Prowl 1 qt/A						
Preemergence:	Valor 2 oz/A						
Postemergence:	Cadre 1.4 oz/A + 2,4D-B 1 pt/A						
Cultivation:	disked, then ripped and bedded; No cultivation after planting						
Irrigation:	not available						
Nematicide:	Temik (in-furrow) 5 lb/A						
Insecticides							
In-Furrow:	Temik 5 lb/A						
Rootworm:	none						
Contact:	Asana 3 oz/A						
Landplaster:	Broadcast applied bulk landplaster at rate of 1 ton/A						
Boron:	Solubor 1.5 lb/A						
Manganese:	Techmangum 3.5-4 lb/A						
Disease Control:	Bravo 1.5 pt/A, followed by Folicur 7oz/A, then Folicur 7 oz/A, followed by Bravo 1.5 pt/A, followed by Bravo 1.5 lb/A						

2005 Results by Location

Table 9. Plant growth habit (GH)[1] and plant height (inches)[2] – 2005

	Martin Co., N.C.		Columbus Co., N.C.		Sampson Co., N.C.		Southampton Co., Va.		City of Suffolk, Va.	
Variety or Line	**GH**	**Height (")[3]**	**GH**	**Height (")**	**GH**	**Height (")**	**GH**	**Height (")**	**GH**	**Height (")**
NC-V 11	R	7.7 j-n	IR	11.5 abc	R	12.9 a-f	R	5.3 k	R	12.0 i-o
Gregory	IR	8.9 a-n	IR, IB	12.2 abc	IR	13.9 a-f	IR, R	7.5 a-h	IR	15.6 ab
NC 12C	IR	10.4 a	IR, IB	11.9 abc	IR, R	15.7 abc	IR, R	7.7 a-g	IR	16.6 a
VA 98R	R	7.7 j-n	IR	9.9 c	R	11.4 def	R	6.2 f-k	R	12.2 g-o
Wilson	IR	8.1 d-n	IR	12.0 abc	IR	11.3 def	IR	6.9 b-k	IR	12.1 h-o
Perry	IB	8.6 c-n	R, IR	11.6 abc	IB	12.2 b-f	IR, R	7.1 b-j	IB	12.4 f-o
CHAMPS	R	8.0 f-n	IR	11.7 abc	R, IR	11.5 def	R	6.7 b-k	R	12.8 e-o
Phillips	R	8.6 b-n	IR	12.5 abc	R, IR	13.4 a-f	R	7.3 a-i	R	14.6 a-h
N99103ol (9)	R	9.6 a-h	IR	12.3 abc	R	12.0 c-f	R, IR	6.8 b-k	R	13.0 c-n
VT 976133	IB	8.4 c-n	IR, IB	10.9 abc	IB	11.4 def	IB, IR	7.0 b-j	IB	11.8 j-o
Brantley	IR	8.1 e-n	IR, IB	11.6 abc	IR, IB	12.0 c-f	IR	7.5 a-h	IR	12.9 d-n
N00098ol (Gre)	IR	7.7 i-n	IR	12.7 abc	IR	13.1 a-f	IR, R	7.9 a-e	IR	14.3 a-j
N00035J	IR	8.9 a-n	IR	12.4 abc	IR	12.1 c-f	IR	7.3 a-i	IR	15.2 a-e
N01054	IR	7.6 k-n	IR, IB	9.9 bc	IR, IB	12.0 c-f	IR	7.1 a-j	IR	11.4 k-o
N01083	IR	8.7 b-n	IR	11.4 abc	IR, IB	13.7 a-f	IR, R	7.3 a-i	IR	12.7 e-o
VT 003069	R	7.4 lmn	IR, IB	10.8 abc	R, IR	12.6 a-f	R	6.4 d-k	R	11.9 i-o
VT 003126	IR	9.7 a-f	IR, IB	13.1 abc	IR	11.4 def	IR, R	7.0 b-j	IR	14.1 a-j
VT 003159	IR	8.6 b-n	IR, IB	11.9 abc	IR	14.3 a-f	IR, R	6.9 b-k	IR	14.5 a-i
VT 003167	R	8.3 c-n	IR	13.5 abc	IB, IR	13.2 a-f	R	6.9 b-k	R	12.9 c-n
VT 003181	R	7.7 i-n	R	12.5 abc	R, IR	12.5 a-f	R	6.3 e-k	R	11.2 l-o
VT 004100	IR	7.9 g-n	IR	12.1 abc	IR	10.9 ef	IR	6.3 e-k	IR	11.0 mno
VT 004123	R,IR	9.4 a-i	IR, IB	14.1 a	IR, IB	13.4 a-f	R	7.4 a-i	IR	14.4 a-j
VT 004178	IR	8.9 a-n	IR, IB	13.9 a	IR	12.6 a-f	IR, R	7.7 a-g	IR	14.2 a-j
N01013T	IB	9.3 a-k	IB	12.4 abc	IB	16.2 a	IB, IR	8.7 a	IR, IB	14.7 a-g
N02005	IB	10.0 abc	IB	10.8 abc	IB	15.9 ab	IR	8.1 abc	IB	15.4 a-d
N02006	IR	8.9 a-m	IB	11.6 abc	IR	12.4 a-f	IR	6.6 c-k	IR	14.2 a-j

[1] Plant growth habit (GH): B=bunch, IB=intermediate bunch, IR=intermediate runner, and R=runner.

[2] Main stem height in inches. Each mean within a location is an average of eight plants.

[3] Duncan's New Multiple Range Test (0.05). Means sharing the same letters within a column are not significantly different.

Table 9. Plant growth habit (GH)[1] and plant height (inches)[2] – 2005 (cont.)

	Martin Co., N.C.		Columbus Co., N.C.		Sampson Co., N.C.		Southampton Co., Va.		City of Suffolk, Va.	
Variety or Line	**GH**	**Height (")[3]**	**GH**	**Height (")**	**GH**	**Height (")**	**GH**	**Height (")**	**GH**	**Height (")**
N02007	IR	9.1 a-k	IR, IB	13.1 abc	IR	12.9 a-f	IR	6.9 b-k	IR	13.1 b-n
N02009	IR	9.9 a-d	IB	13.2 abc	IR	14.8 a-d	IR	8.0 a-d	IR	14.9 a-f
N02010	IB	9.3 a-j	IR, IB	13.0 a-c	B	12.6 a-f	IB, IR	7.2 a-i	IB	14.3 a-j
N02020J	IR	9.6 a-g	IR, IB	13.6 ab	IR	12.3 b-f	IR, R	8.3 ab	IR	16.6 a
N02060ol(Per)	R	9.7 a-e	R, IR	11.2 a-c	R	13.4 a-f	R	7.3 a-i	R	14.7 a-h
VT 003193	R	10.3 ab	IR	12.0 a-c	R	14.4 a-f	R	7.1 a-j	R	15.5 a-c
VT 003194	IB	8.4 c-n	IR	11.4 a-c	IR, IB	13.4 a-f	IB, R	6.9 b-k	IB	12.1 i-o
VT 004167	IR	7.2 n	R, IR	11.1 a-c	IR	11.8 def	IR, R	6.2 f-k	IR	12.1 i-o
VT 004180	R	8.7 b-n	IR, IB	11.1 a-c	R, IR	12.4 a-f	R	7.2 a-j	R	11.4 k-o
VT 024051	IB	8.4 c-n	R, IR	12.0 a-c	R	12.9 a-f	IB, IR	6.7 b-k	IB	12.9 d-n
N03005J	IR	8.8 a-n	IR, IB	12.3 a-c	R, IR	13.9 a-f	IR, IB	7.7 a-g	IR	13.6 b-l
N03006J	R	8.9 a-m	R	12.1 a-c	R	13.1 a-f	R, IR	7.8 a-f	R	14.0 b-j
N03020E	R	7.7 j-n	IR, IB	10.7 a-c	R	10.8 f	R, IR	5.6 jk	R	10.4 o
N03023EF	IR	7.7 j-n	IR	13.2 a-c	IR	10.9 ef	IR, R	6.9 b-j	IR	13.6 b-l
N03081T	IR	8.4 c-n	IR	12.9 a-c	IR	12.2 b-f	IR	7.5 a-h	IR	12.8 e-o
N03088T	IR	8.8 a-n	R	12.9 a-c	IR	13.7 a-f	IR, R	6.9 b-k	IR	13.8 b-k
N03089T	IB	9.5 a-h	IR	12.5 a-c	IB, IR	13.6 a-f	IB, IR	8.1 a-c	IB	14.4 a-j
N03090T	IR	9.1 a-l	IR, IB	14.3 a	IR	14.7 a-e	IR	6.9 b-k	IR	13.8 b-k
N03091T	IR	9.7 a-g	IR	12.9 a-c	IR	13.7 a-f	IR	7.4 a-i	IR	15.0 a-e
VT 023015	IR	8.1 e-n	R, IR	12.5 a-c	IR, R	10.9 ef	IR, IB	6.0 h-k	IR	12.0 i-o
VT 024044	IB	7.3 mn	B, IB	10.7 a-c	IB, IR	12.3 b-f	IB	6.1 g-k	IB	10.7 no
VT 024060	IB	7.8 h-n	R	12.8 a-c	IB, IR	13.6 a-f	IB, IR	5.8 ijk	IB	13.4 b-m
VT 024077	IB	7.3 mn	IR, IB	12.2 a-c	IB, IR	12.6 a-f	IB, R	6.4 d-k	IB	12.8 e-o
Mean		8.6		12.1		12.9		7.0		13.4
CV (%)		11.4		17.3		17.1		13.2		11.0

[1] Plant growth habit (GH): B=bunch, IB=intermediate bunch, IR=intermediate runner, and R=runner.

[2] Main stem height in inches. Each mean within a location is an average of eight plants.

[3] Duncan's New Multiple Range Test (0.05). Means sharing the same letters within a column are not significantly different.

Table 10. Disease ratings at North Carolina and Virginia locations – 2005[1]

	Martin Co., NC		Sampson Co., NC	Suffolk, VA		Southampton Co., NC		Columbus Co., NC
Variety or Line	**Dig I[2]**	**Dig II**	**Dig I**	**Dig I**	**Dig II**	**Dig I**	**Dig II**	**Dig I**
NC-V 11	5.0 d-h	16.5 b-d	9.5 a	14.0 b-i	6.0 d-f	5.5 ef	17.0 a-d	6.0 c-f
Gregory	3.0 h	11.0 b-d	4.5 a-g	12.0 d-i	3.5 ef	8.0 a-f	13.0 b-e	8.5 c-f
NC 12C	8.0 c-h	25.0 bc	4.0 a-g	12.5 d-i	3.0 f	11.5 a-f	15.5 b-e	5.0 d-f
VA 98R	8.0 c-h	23.5 b-d	3.0 b-g	9.5 f-i	8.5 c-f	12.0 a-f	14.0 b-e	8.0 c-f
Wilson	8.5 c-h	16.0 b-d	5.5 a-g	20.0 b-f	6.0 d-f	9.5 a-f	15.0 b-e	7.0 c-f
Perry	8.5 c-h	21.5 b-d	7.0 a-f	15.5 b-i	18.0 a-d	9.5 a-f	19.5 a-c	4.5 d-f
CHAMPS	4.5 e-h	13.0 b-d	8.5 a-c	11.0 e-i	9.0 c-f	7.5 b-f	16.0 b-e	11.0 c-f
Phillips	8.0 c-h	26.0 bc	7.5 a-e	18.5 b-g	5.0 d-f	12.0 a-f	14.5 b-e	8.0 c-f
N99103ol (9)	12.0 cd	26.5 b	8.0 a-d	24.5 b	9.5 c-f	11.0 a-f	19.0 a-d	4.5 d-f
VT 976133	6.0 c-h	17.0 b-d	7.0 a-f	17.5 b-i	6.0 d-f	8.5 a-f	17.5 a-d	10.0 c-f
Brantley	9.5 c-h	19.0 b-d	8.5 a-c	17.0 b-i	6.0 d-f	14.0 a-d	14.0 b-e	7.5 c-f
N00098ol (Gre)	10.5 c-g	21.0 b-d	5.0 a-g	24.0 bc	13.0 b-f	11.5 a-f	12.0 c-e	15.0 b-d
N00035J	6.5 c-h	13.5 b-d	7.0 a-f	6.5 i	3.0 f	8.5 a-f	20.5 a-c	9.0 c-f
N01054	5.5 d-h	12.0 b-d	5.0 a-g	10.0 f-i	7.0 d-f	5.0 f	13.0 b-e	7.0 c-f
N01083	6.0 c-h	14.0 b-d	9.0 ab	11.5 e-i	11.5 b-f	6.5 c-f	17.0 a-d	9.0 c-f
VT 003069	11.5 c-e	20.0 b-d	8.0 a-d	17.0 b-i	6.0 d-f	7.5 b-f	18.0 a-d	6.5 c-f
VT 003126	10.0 c-h	17.0 b-d	5.5 a-g	16.0 b-i	5.5 d-f	9.0 a-f	11.5 c-e	8.0 c-f
VT 003159	12.0 cd	18.5 b-d	7.5 a-e	11.0 e-i	7.0 d-f	9.5 a-f	18.5 a-d	11.5 c-f
VT 003167	3.5 gh	11.0 b-d	4.5 a-g	12.0 d-i	6.0 d-f	6.0 d-f	15.0 b-e	7.0 c-f
VT 003181	11.5 c-e	15.5 b-d	2.0 d-g	14.0 b-i	6.0 d-f	13.5 a-e	18.0 a-d	5.0 d-f
VT 004100	6.0 c-h	14.5 b-d	4.5 a-g	11.5 e-i	16.0 a-f	6.5 c-f	13.5 b-e	17.0 a-c
VT 004123	7.5 c-h	15.5 b-d	4.0 a-g	19.5 b-g	15.5 a-f	11.5 a-f	17.5 a-d	9.5 c-f
VT 004178	8.5 c-h	20.0 b-d	3.5 a-g	13.0 c-i	4.0 d-f	11.5 a-f	21.5 a-c	13.5 c-e
N01013T	7.5 c-h	21.5 b-d	2.0 d-g	15.5 b-i	8.5 c-f	9.0 a-f	15.0 b-e	7.5 c-f
N02005	8.0 c-h	12.0 b-d	0.5 g	12.5 d-i	3.5 ef	7.0 c-f	13.5 b-e	1.0 f
N02006	6.0 c-h	12.5 b-d	4.5 a-g	13.0 c-i	7.0 d-f	9.0 a-f	13.0 b-e	5.0 d-f
N02007	5.0 d-h	15.0 b-d	2.0 d-g	6.5 i	24.0 ab	7.5 b-f	13.0 b-e	9.0 c-f
N02009	4.0 f-h	20.0 b-d	2.5 c-g	11.0 e-i	8.5 c-f	9.5 a-f	13.0 b-e	6.5 c-f

[1] Diseases at these locations were a mixture of web blotch, leaf spot, TSWV and CBR. Ratings represent the percentage of linear feet with severe disease symptoms at digging.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letters within a column are not significantly different.

Table 10. Disease ratings at North Carolina and Virginia locations – 2005[1] (cont.)

	Martin Co., NC		Sampson Co., NC	Suffolk, VA		Southampton Co., NC		Columbus Co., NC
Variety or Line	**Dig I[2]**	**Dig II**	**Dig I**	**Dig I**	**Dig II**	**Dig I**	**Dig II**	**Dig I**
N02010	10.5 c-g	21.0 b-d	3.0 b-g	8.5 g-i	22.0 a-c	7.0 c-f	14.5 b-e	4.0 d-f
N02020J	7.0 c-h	12.5 b-d	8.0 a-d	8.5 g-i	7.0 d-f	14.0 a-d	14.0 b-e	27.0 a
N02060ol (Per)	19.0 b	24.0 b-d	5.0 a-g	9.0 f-i	28.5 a	14.5 a-c	18.0 a-d	1.0 f
VT 003193	13.0 c	24.5 bc	4.5 a-g	23.0 b-d	7.5 d-f	15.5 ab	20.5 a-c	5.0 d-f
VT 003194	7.5 c-h	22.0 b-d	8.0 a-d	20.0 b-f	7.0 d-f	14.0 a-d	22.5 ab	13.5 c-e
VT 004167	9.5 c-h	14.5 b-d	4.5 a-g	15.0 b-i	7.5 d-f	11.0 a-f	16.0 b-e	7.5 c-f
VT 004180	11.0 c-f	22.5 b-d	6.5 a-g	21.5 b-e	18.0 a-d	16.0 a	27.0 a	8.5 c-f
VT 024051	9.5 c-h	12.5 b-d	4.5 a-g	13.5 b-i	8.0 c-f	7.0 c-f	13.5 b-e	3.0 ef
N03005J	6.5 c-h	7.0 cd	4.0 a-g	15.5 b-i	10.0 c-f	11.0 a-f	9.0 de	3.5 d-f
N03006J	7.0 c-h	14.5 b-d	8.5 a-c	17.0 b-i	16.0 a-f	10.0 a-f	16.5 b-d	5.0 d-f
N03020E	10.0 c-h	10.5 b-d	1.5 e-g	18.0 b-h	17.5 a-e	9.5 a-f	16.0 b-e	5.5 c-f
N03023EF	9.5 c-h	15.0 b-d	1.0 fg	21.5 b-e	3.0 f	7.5 b-f	16.0 b-e	25.0 ab
N03081T	4.0 f-h	5.0 d	2.0 d-g	12.0 d-i	5.0 d-f	4.0 f	6.0 e	1.5 f
N03088T	8.0 c-h	12.0 b-d	7.5 a-e	14.5 b-i	13.5 b-f	7.0 c-f	15.0 b-e	3.0 ef
N03089T	8.0 c-h	11.5 b-d	3.5 a-g	7.0 hi	10.0 c-f	8.0 a-f	15.5 b-e	7.0 c-f
N03090T	6.0 c-h	10.5 b-d	4.5 a-g	14.0 b-i	6.0 d-f	8.5 a-f	17.0 a-d	5.5 c-f
N03091T	9.0 c-h	8.5 b-d	5.5 a-g	9.0 f-i	6.5 d-f	6.0 d-f	13.5 b-e	6.0 c-f
VT 023015	6.5 c-h	8.5 b-d	2.0 d-g	12.5 d-i	10.5 b-f	6.0 d-f	18.0 a-d	14.5 c-e
VT 024044	26.0 a	68.5 a	4.0 a-g	41.5 a	5.0 d-f	15.5 ab	21.0 a-c	10.5 c-f
VT 024060	8.0 c-h	15.0 b-d	4.5 a-g	18.0 b-h	6.0 d-f	5.0 f	16.0 b-e	8.5 c-f
VT 024077	8.0 c-h	13.5 b-d	4.0 a-g	11.0 e-i	5.5 d-f	11.5 a-f	17.0 a-d	7.5 c-f
Mean	8.4	17.2	5.0	9.5	15.9	14.8	9.2	8.2
CV (%)	34.8	45.5	50.7	34.5	26.6	30.4	62.0	58.6

[1] Diseases at these locations were a mixture of web blotch, leaf spot, TSWV and CBR. Ratings represent the percentage of linear feet with severe disease symptoms at digging.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letters within a column are not significantly different.

Table 11. Percentage of jumbo and fancy pods based on farmers' stock grades, Dig I – 2005

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[1,2]	Fancy[3]	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
NC-V 11	17.50 l-o	49.00 a-i	19 p-s	51 a-e	32.0 q-v	49.5 a-f	24.00 p-r	53.50 a	29.0 q-u	55.0 c-f
Gregory	56.00 a-c	27.00 o-q	68 bc	22 qr	80.5 a-c	23.5 n-q	59.50 a-d	23.50 p-r	83.0 abc	12.0 r-t
NC 12C	29.00 f-m	37.00 i-o	51 e-h	30 l-q	42.0 m-t	38.0 e-m	43.50 g-m	35.00 g-m	66.5 d-i	23.5 l-r
VA 98R	17.50 l-o	49.50 a-h	18 q-s	53 ab	32.0 q-v	46.5 a-h	26.00 o-r	42.00 b-j	28.0 q-u	59.5 a-e
Wilson	27.00 g-n	49.50 a-h	32 j-q	50 a-f	35.5 o-v	50.5 a-f	44.50 g-m	41.50 b-j	37.5 n-r	53.5 c-f
Perry	18.50 l-o	47.50 b-k	25 n-r	43 b-k	39.0 n-u	44.0 a-i	20.50 qr	46.50 a-e	35.0 o-r	52.0 c-f
CHAMPS	23.00 i-o	48.00 b-j	30 k-q	50 a-f	32.0 q-v	56.0 a	48.50 d-l	36.50 f-l	41.0 m-q	49.0 e-h
Phillips	21.50 j-o	47.50 b-k	24 n-r	51 a-d	31.0 r-v	53.5 abc	36.00 l-p	43.50 b-h	43.0 k-o	49.5 e-g
N99103ol (9)	15.50 l-o	46.00 b-l	22 p-s	53 ab	25.5 t-v	52.5 a-d	31.50 m-q	45.50 a-f	18.0 u-w	63.0 a-c
VT 976133	21.00 k-o	43.50 d-m	34 i-p	42 b-k	42.5 m-t	33.5 h-o	44.50 g-m	34.50 h-n	43.5 k-o	44.0 f-i
Brantley	40.00 c-h	38.50 g-o	49 f-i	35 j-o	59.5 e-m	30.5 i-p	45.00 f-m	33.50 i-o	76.0 cde	19.0 o-r
N00098ol (Gre)	49.00 b-d	32.50 m-p	52 d-h	36 h-o	61.5 e-l	28.5 j-q	57.00 b-g	26.50 m-q	72.0 c-f	20.0 m-r
N00035J	70.50 a	21.00 q	85 a	10 s	84.5 ab	9.5 rs	64.00 a-c	21.50 p-r	90.5 ab	6.0 st
N01054	49.50 b-d	35.00 l-o	65 b-f	25 o-r	71.5 a-f	23.0 n-q	51.50 c-j	33.00 j-o	66.0 d-i	28.5 j-p
N01083	44.50 b-f	36.50 j-o	57 c-g	25 o-r	76.5 a-e	17.0 q-s	53.50 c-i	25.00 o-q	78.5 a-d	16.5 q-s
VT 003069	44.00 b-f	35.50 k-o	50 f-i	34 j-p	61.5 e-l	26.0 l-q	46.50 d-l	35.00 g-m	63.5 e-i	30.5 j-o
VT 003126	10.00 o	54.00 a-e	21 p-s	58 a	33.5 p-v	46.5 a-h	39.00 j-o	43.00 b-i	29.5 p-u	60.5 a-e
VT 003159	60.00 ab	27.00 o-q	67 b-d	23 p-r	66.5 b-i	26.0 l-q	54.00 c-h	29.00 k-p	71.5 c-f	24.5 l-q
VT 003167	26.00 g-o	50.50 a-g	38 h-o	45 b-j	48.5 i-r	41.0 b-j	36.50 l-p	44.50 a-g	55.5 h-k	40.0 g-j
VT 003181	37.50 d-j	43.50 d-m	65 b-e	27 n-q	70.5 a-g	21.5 o-r	59.00 b-e	28.50 l-p	74.0 c-f	21.5 l-r
VT 004100	41.50 c-g	41.00 f-n	57 c-g	30 l-q	65.5 c-j	25.5 m-q	48.50 d-l	33.50 i-o	74.5 cde	21.0 m-r
VT 004123	44.00 b-f	36.00 j-o	49 f-i	35 i-o	63.0 c-k	27.0 k-q	42.00 h-m	41.00 b-j	74.5 cde	19.5 n-r
VT 004178	68.50 a	21.50 pq	83 a	10 s	86.0 a	8.0 s	72.00 a	16.00 r	91.0 a	5.5 t
N01013T	41.00 c-g	34.50 l-o	56 c-g	29 m-q	67.5 b-h	25.5 m-q	42.00 h-m	37.00 e-l	78.0 bcd	17.0 pqr
N02005	45.50 b-e	37.50 h-o	39 h-n	46 b-j	50.5 h-q	39.5 d-l	42.50 h-m	41.50 b-j	61.0 f-j	33.0 i-l
N02006	49.50 b-d	37.00 i-o	52 d-h	39 e-m	62.0 d-k	32.0 i-p	45.50 e-m	38.50 d-j	76.5 c-e	19.5 n-r
N02007	38.50 d-i	39.50 f-n	50 e-h	33 k-q	62.0 d-k	31.5 i-p	41.00 h-n	41.00 b-j	65.5 d-i	31.0 j-n
N02009	41.00 c-g	41.50 f-n	39 h-n	45 b-j	51.0 h-p	39.5 d-l	40.00 h-n	39.50 c-j	63.0 e-i	31.5 j-m

[1] Pods that rode a 38/64-inch opening on the pre-sizer.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

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

Table 11. Percentage of jumbo and fancy pods based on farmers' stock grades, Dig I – 2005 (cont.)

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[1,2]	Fancy[3]	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
N02010	41.50 c-g	40.50 f-n	52 d-h	37 g-n	53.0 g-o	35.5 g-n	51.00 c-k	38.00 d-k	70.0 c-g	25.5 k-q
N02020J	59.50 ab	30.00 n-q	77 ab	15 rs	80.0 a-d	16.0 q-s	70.00 ab	18.00 qr	83.0 a-c	14.0 q-t
N02060ol (Per)	25.50 g-o	43.50 d-m	39 h-o	41 d-l	43.0 l-t	43.5 a-i	26.00 o-r	45.00 a-f	55.0 h-l	38.0 h-j
VT 003193	15.50 l-o	46.00 b-l	27 m-r	47 a-h	27.0 t-v	50.0 a-f	35.00 l-p	38.50 d-j	36.0 o-r	57.5 b-e
VT 003194	32.00 e-l	44.00 c-m	30 k-q	51 a-e	36.0 o-v	51.5 a-e	48.00 d-l	39.00 c-j	57.0 g-j	36.0 i-k
VT 004167	50.50 b-d	37.00 i-o	63 b-f	28 m-q	74.5 a-e	19.5 p-s	58.50 b-f	25.50 n-q	67.0 d-h	28.5 j-p
VT 004180	30.00 e-m	39.50 f-n	33 j-q	41 c-l	33.5 p-v	44.0 a-i	47.50 d-l	34.00 h-o	56.5 h-j	36.5 i-k
VT 024051	15.00 m-o	49.00 a-i	14 rs	54 ab	23.0 uv	52.0 a-d	18.00 qr	45.00 a-f	12.5 vw	67.0 ab
N03005J	10.00 o	43.00 e-m	14 rs	53 a-c	18.5 v	54.5 ab	24.00 p-r	46.50 a-e	10.0 vw	56.5 b-e
N03006J	24.50 h-o	51.50 a-f	31 k-q	45 b-j	33.0 p-v	47.5 a-g	28.00 n-r	48.50 a-c	28.0 q-u	60.5 a-e
N03020E	12.00 no	56.50 ab	9 s	45 b-j	17.5 v	53.0 a-d	14.50 r	45.50 a-f	6.5 w	68.0 ab
N03023EF	22.50 i-o	47.50 b-k	27 m-r	50 a-f	37.5 n-u	51.0 a-f	26.00 o-r	46.50 a-e	31.5 o-t	56.5 b-e
N03081T	17.50 l-o	51.50 a-f	23 o-s	45 b-j	22.0 uv	53.5 a-c	34.50 l-p	45.50 a-f	20.0 s-v	63.5 a-c
N03088T	22.50 i-o	61.00 a	43 g-l	43 b-k	51.5 h-p	40.0 c-k	39.50 i-o	38.50 d-j	32.5 o-s	56.5 b-e
N03089T	26.00 g-o	55.50 a-d	45 g-l	39 e-m	46.5 k-s	42.5 a-i	51.00 c-k	32.50 j-o	26.5 r-u	61.5 a-d
N03090T	30.00 e-m	55.50 a-d	46 g-k	41 d-l	48.5 i-r	44.0 a-i	44.50 g-m	37.50 e-l	27.0 r-u	62.5 a-c
N03091T	24.50 h-o	56.00 a-c	33 j-q	52 a-d	52.5 g-o	40.0 c-k	42.00 h-m	41.00 b-j	18.5 t-w	70.0 a
VT 023015	44.50 b-f	39.00 g-o	47 g-j	39 f-m	56.0 f-n	35.5 g-n	31.50 m-q	43.50 b-h	42.5 l-p	50.5 d-g
VT 024044	18.50 l-o	45.50 b-l	17 q-s	49 a-g	28.0 s-v	47.5 a-g	23.50 p-r	47.50 a-d	29.5 p-u	49.5 e-g
VT 024060	41.00 c-g	41.50 f-n	42 g-m	41 d-l	51.5 h-p	37.5 f-m	26.00 o-r	50.50 ab	53.5 i-m	40.0 g-j
VT 024077	35.50 d-k	44.50 b-m	30 l-r	47 a-i	47.0 j-r	44.0 a-i	37.00 k-p	40.00 c-j	49.5 j-n	39.5 g-j
Mean	33.58	42.55	41	39	49.3	37.7	41.51	37.88	51	39.7
CV (%)	20	11.8	15.7	12.2	15.6	14.8	13.8	10.3	11	12.3

[1] Pods that rode a 38/64-inch opening on the pre-sizer.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

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

Table 12. Percentage of jumbo and fancy pods based on farmers' stock grades, Dig II – 2005

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[1,2]	Fancy[3]	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
NC-V 11	20.00 o-u	49 a-g	13.50 t-w	48.50 a-f	18.00 m-q	49.00 a-f	29.50 l-o	44.00 a-e	24 pq	55 a-h
Gregory	61.50 ab	24 mn	55.00 cde	27.50 lmn	62.50 bc	24.50 k	55.50 b-e	25.00 k-o	84 ab	12 uvw
NC 12C	31.00 h-q	39 f-k	28.50 i-s	38.00 e-l	39.50 e-j	40.00 d-i	44.50 e-k	34.00 e-l	57 f-j	27 m-s
VA 98R	37.50 e-m	40 e-k	13.00 uvw	45.00 a-i	15.50 n-q	44.00 b-h	24.50 nop	46.00 a-d	28 nop	54 b-h
Wilson	20.00 o-u	55 ab	17.00 q-w	53.50 a	25.50 j-p	46.50 a-g	37.00 j-m	44.50 a-e	29 m-p	56 a-g
Perry	18.00 o-u	45 a-j	22.50 m-u	46.00 a-h	19.50 l-q	43.50 c-h	24.00 nop	43.50 a-f	28 nop	56 a-f
CHAMPS	27.50 k-t	47 a-i	21.50 n-v	51.00 a-d	29.00 h-n	49.00 a-f	44.50 e-k	38.50 b-i	42 klm	46 e-k
Phillips	19.50 o-u	47 a-h	23.50 l-u	52.50 ab	14.00 opq	58.00 a	35.50 k-n	40.50 a-h	41 k-o	47 d-j
N99103ol (9)	16.00 q-u	52 a-e	19.00 o-w	46.00 a-h	20.00 l-q	50.00 a-d	38.50 h-l	38.50 b-i	20 pqr	64 ab
VT 976133	23.00 m-u	45 a-j	32.50 h-p	45.00 a-i	28.50 h-n	37.00 g-j	37.50 i-m	36.50 c-j	41 k-n	45 f-k
Brantley	43.50 d-i	34 j-m	37.50 f-l	39.00 d-l	42.00 d-i	38.00 e-i	52.00 d-g	30.50 g-m	74 bcd	19 r-u
N00098ol (Gre)	49.00 b-f	32 klm	36.50 g-m	39.50 d-k	43.00 d-h	37.00 g-j	65.00 abc	22.50 mno	68 c-f	23 q-u
N00035J	68.50 a	19 n	75.50 a	16.50 no	80.00 a	13.50 l	73.50 a	16.00 o	92 a	6 w
N01054	51.50 b-e	34 j-m	58.50 bcd	29.50 j-m	55.00 bcd	34.00 h-k	55.50 b-e	26.50 j-o	70 c-f	26 n-s
N01083	42.50 d-j	38 f-k	49.00 d-g	27.50 lmn	62.00 bc	24.00 k	50.00 d-i	25.00 k-o	76 bcd	17 s-v
VT 003069	42.00 d-k	40 e-k	40.00 f-j	38.00 e-l	42.50 d-h	37.00 g-j	54.00 b-f	29.00 h-n	59 e-i	32 l-q
VT 003126	15.50 r-u	53 abc	20.00 n-w	48.50 a-f	20.00 l-q	50.50 a-d	41.50 f-l	40.00 a-h	29 m-p	59 abc
VT 003159	59.00 abc	26 lmn	69.00 ab	21.00 mno	58.50 bc	30.00 ijk	61.50 a-d	28.00 i-n	68 c-f	25 o-t
VT 003167	29.00 i-r	47 a-i	20.00 n-w	46.50 a-g	31.50 g-m	47.50 a-g	38.00 i-m	39.50 a-i	51 h-l	41 i-l
VT 003181	49.00 b-f	39 f-k	49.50 d-g	34.00 h-l	42.50 d-h	41.50 c-i	65.00 abc	23.50 l-o	69 c-f	27 m-s
VT 004100	53.50 bcd	32 klm	37.00 g-m	33.00 i-l	44.50 d-g	38.00 e-i	50.00 d-i	35.00 d-k	74 bcd	22 q-u
VT 004123	38.50 e-l	40 d-k	38.50 f-k	38.50 e-l	37.50 e-j	40.00 d-i	47.50 e-k	35.50 d-k	70 c-f	24 p-t
VT 004178	71.00 a	21 n	78.00 a	13.00 o	81.00 a	14.00 l	70.00 a	18.50 no	89 a	7 vw
N01013T	45.50 c-h	33 klm	33.00 h-p	35.50 g-l	49.50 c-f	33.00 h-k	46.50 e-k	32.00 f-m	73 bcd	20 r-u
N02005	47.00 b-g	38 f-k	34.50 h-n	42.00 a-i	41.50 d-i	43.50 c-h	44.50 e-k	35.00 d-k	69 c-f	26 o-t
N02006	54.00 bcd	36 h-l	51.50 def	34.00 h-l	51.00 cde	37.50 f-i	49.50 d-j	35.00 d-k	72 b-e	23 q-u
N02007	47.50 b-g	35 i-m	43.00 e-i	40.00 c-k	42.00 d-i	41.00 c-i	40.50 g-l	37.00 b-j	64 d-h	30 l-r
N02009	35.50 f-n	43 b-k	28.00 j-t	48.50 a-f	33.50 g-l	49.00 a-f	43.00 e-k	37.50 b-j	59 e-i	35 k-p

[1] Pods that rode a 38/64-inch opening on the pre-sizer.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

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

Table 12. Percentage of jumbo and fancy pods based on farmers' stock grades, Dig II – 2005 (cont.)

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[1,2]	Fancy[3]	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
N02010	47.50 b-g	37 g-l	33.00 h-p	50.00 a-e	40.50 e-i	44.00 b-h	51.50 d-g	35.50 d-k	67 d-g	27 m-s
N02020J	71.00 a	21 n	67.00 abc	21.00 mno	65.50 b	26.00 jk	70.50 a	19.00 no	82 abc	15 t-w
N02060ol (Per)	28.00 j-s	42 c-k	23.50 l-u	39.50 d-k	32.50 g-m	46.00 b-g	29.50 l-o	38.00 b-j	54 g-k	37 j-n
VT 003193	16.50 p-u	45 a-j	22.50 m-u	44.00 a-i	19.00 m-q	47.50 a-g	47.50 e-k	37.50 b-j	28 nop	62 abc
VT 003194	29.00 i-r	49 a-g	23.50 l-u	43.00 a-i	20.50 k-q	51.00 a-d	49.50 d-j	38.50 b-i	45 jkl	44 h-k
VT 004167	31.50 h-p	42 c-k	58.50 bcd	29.00 klm	58.00 bc	34.00 h-k	66.00 ab	22.50 mno	56 f-j	36 j-o
VT 004180	33.00 g-o	42 c-k	15.00 s-w	47.50 a-g	18.00 m-q	42.50 c-h	55.50 b-e	28.00 i-n	51 h-l	41 i-l
VT 024051	12.50 tu	53 abc	7.50 vw	41.00 b-j	8.50 q	41.50 c-i	15.00 p	44.00 a-e	16 pqr	63 ab
N03005J	8.00 u	49 a-g	6.50 w	48.00 a-f	12.00 pq	55.50 ab	26.00 m-p	48.50 ab	13 qr	59 abc
N03006J	15.00 r-u	50 a-f	18.50 p-w	52.00 abc	18.00 m-q	48.00 a-g	29.50 l-o	43.50 a-f	20 pqr	65 ab
N03020E	13.50 stu	52 a-e	6.50 w	42.00 a-i	9.50 q	51.00 a-d	16.00 p	45.00 a-e	8 r	66 a
N03023EF	18.50 o-u	52 a-d	16.50 r-w	48.00 a-f	27.50 i-o	46.00 b-g	30.00 l-o	50.50 a	28 nop	56 a-f
N03081T	22.50 n-u	50 a-f	12.50 uvw	46.00 a-h	15.50 n-q	50.00 a-d	30.00 l-o	42.00 a-g	23 pq	57 a-d
N03088T	22.00 n-u	56 a	31.00 h-r	48.50 a-f	36.50 f-j	49.50 a-e	53.50 c-f	31.50 g-m	24 pq	63 ab
N03089T	27.00 l-t	53 abc	44.00 e-h	37.50 f-l	34.50 g-k	51.50 a-d	52.00 d-g	33.50 e-m	30 m-p	57 a-e
N03090T	21.50 n-u	56 a	39.00 f-k	49.00 a-f	32.50 g-m	52.00 abc	43.50 e-k	40.00 a-h	23 pq	64 ab
N03091T	24.50 l-t	57 a	33.00 h-p	50.00 a-e	31.50 g-m	51.50 a-d	51.00 d-h	34.00 e-l	27 op	63 ab
VT 023015	32.00 h-o	48 a-g	33.50 h-o	41.50 a-i	30.00 g-n	43.00 c-h	41.50 f-l	40.50 a-h	46 i-l	45 g-k
VT 024044	16.50 p-u	50 a-f	12.00 uvw	42.50 a-i	15.50 n-q	38.00 e-i	18.50 op	48.00 abc	26 pq	51 c-i
VT 024060	42.50 d-j	41 c-k	24.50 k-u	45.50 a-h	38.00 e-j	44.50 b-h	40.00 g-l	44.00 a-e	54 g-k	38 j-m
VT 024077	36.00 f-n	42 c-k	31.50 h-q	39.00 d-l	19.50 l-q	46.00 b-g	42.00 f-l	36.00 d-k	40 l-o	47 d-j
Mean	34.38	42	32.74	40.45	34.95	41.83	44.43	35.45	48	40
CV (%)	18	11.6	18.6	12.2	17	11.3	11.7	13.2	12	12

[1] Pods that rode a 38/64-inch opening on the pre-sizer.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

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

Table 13. Pod brightness measurement (Hunter L Score)[1] for Columbus County and Sampson County, North Carolina, and the City of Suffolk, Virginia, averaged across locations, Dig I – 2005

	Columbus Co., NC		Sampson Co., NC		City of Suffolk, VA		Average Across Locations	
Variety or Line	Jumbo[2]	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
NC-V 11	41.6 b-f	41.9 b-l	42.4 a-g	40.1 c-i	42.9 abc	42.2 b-h	42.3 d-i	41.4 g-m
Gregory	41.8 b-f	39.3 lmn	40.9 fg	42.0 a-f	43.7 ab	41.0 e-h	42.1 e-i	40.8 k-n
NC 12C	43.8 a-e	42.7 a-k	42.4 a-g	42.0 a-f	43.6 ab	42.1 c-h	43.3 a-g	42.3 c-k
VA 98R	43.6 a-e	43.4 a-h	42.2 b-g	42.3 a-e	44.8 ab	43.7 a-e	43.5 a-g	43.1 a-g
Wilson	44.0 a-e	44.4 ab	42.4 a-g	41.1 b-h	44.6 ab	45.1 ab	43.7 a-g	43.5 a-e
Perry	42.5 a-f	43.1 a-i	42.8 a-g	41.5 a-h	43.8 ab	43.7 a-e	43.0 a-h	42.8 a-j
CHAMPS	43.9 a-e	43.5 a-h	42.6 a-g	45.1 a	44.7 ab	44.5 a-d	43.7 a-g	44.4 a
Phillips	44.6 abc	43.4 a-h	42.6 a-g	42.3 a-e	43.7 ab	43.6 a-e	43.6 a-g	43.1 a-g
N99103ol (9)	43.5 a-e	44.7 a	42.7 a-g	42.9 a-e	44.8 ab	44.8 abc	43.7 a-g	44.1 ab
VT 976133	41.8 b-f	41.5 d-m	42.2 b-g	40.3 b-i	44.0 ab	42.7 a-f	42.6 b-h	41.5 g-m
Brantley	41.5 b-f	41.1 f-m	42.4 a-g	38.4 f-i	41.9 bc	41.4 e-h	41.9 f-i	40.3 lmn
N00098ol (Gre)	43.0 a-f	42.3 a-k	44.3 a-d	43.9 ab	43.6 ab	39.7 ghi	43.6 a-g	42.0 e-l
N00035J	44.2 a-e	39.9 k-n	41.4 efg	38.5 f-i	44.6 ab	39.4 hi	43.4 a-g	39.3 n
N01054	44.4 a-d	43.6 a-g	43.2 a-f	41.2 b-h	43.8 ab	43.3 a-e	43.8 a-f	42.7 a-j
N01083	42.5 a-f	41.0 g-m	43.6 a-f	41.2 b-h	44.2 ab	42.6 a-f	43.5 a-g	41.6 f-m
VT 003069	42.1 a-f	40.6 i-m	40.3 g	37.9 hi	44.0 ab	41.3 e-h	42.1 e-i	39.9 mn
VT 003126	44.0 a-e	42.3 a-k	42.2 b-g	40.1 c-i	42.3 abc	42.5 a-g	42.8 a-h	41.6 f-m
VT 003159	44.6 a-d	40.6 i-m	43.8 a-e	42.6 a-e	42.2 abc	42.0 c-h	43.5 a-g	41.7 f-l
VT 003167	43.5 a-e	43.3 a-i	43.1 a-g	41.0 b-h	43.8 ab	44.7 abc	43.4 a-g	43.0 a-i
VT 003181	43.8 a-e	43.3 a-i	43.2 a-f	41.8 a-g	44.3 ab	43.6 a-e	43.8 a-f	42.9 a-j
VT 004100	41.0 def	39.0 mn	41.3 efg	38.2 ghi	41.9 bc	41.2 e-h	41.4 hi	39.4 n
VT 004123	43.3 a-f	41.8 b-l	44.9 ab	41.1 b-h	45.1 ab	43.3 a-e	44.4 ab	42.1 e-l
VT 004178	41.1 c-f	37.7 n	41.7 d-g	36.8 i	42.8 abc	38.0 i	41.9 ghi	37.5 o
N01013T	44.0 a-e	42.1 a-k	42.5 a-g	39.5 d-i	43.7 ab	41.9 c-h	43.4 a-g	41.1 j-m
N02005	44.8 ab	44.0 a-e	42.7 a-g	42.6 a-e	44.3 ab	43.5 a-e	43.9 a-e	43.4 a-f
N02006	43.1 a-f	43.0 a-j	42.8 a-g	43.0 a-e	44.2 ab	40.1 f-i	43.3 a-g	42.0 e-l
N02007	42.7 a-f	44.0 a-e	43.2 a-f	42.4 a-e	44.1 ab	43.3 a-e	43.3 a-g	43.2 a-g

[1] The higher the number the brighter the peanut color.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 13. Pod brightness measurement (Hunter L Score)[1] for Columbus County and Sampson County, North Carolina, and the City of Suffolk, Virginia, averaged across locations, Dig I – 2005 (cont.)

	Columbus Co., NC		Sampson Co., NC		City of Suffolk, VA		Average Across Locations	
Variety or Line	Jumbo[2]	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
N02009	45.4 a	42.2 a-k	42.7 a-g	41.7 a-g	43.4 ab	43.4 a-e	43.8 a-f	42.4 b-k
N02010	43.6 a-e	43.1 a-i	45.2 a	43.1 a-d	44.3 ab	43.4 a-e	44.4 abc	43.2 a-g
N02020J	42.3 a-f	40.8 h-m	41.8 d-g	40.0 c-i	44.2 ab	42.8 a-f	42.8 a-h	41.2 i-m
N02060ol (Per)	41.8 a-f	42.9 a-j	42.7 a-g	42.2 a-f	43.4 ab	41.7 d-h	42.7 b-h	42.2 c-k
VT 003193	42.3 a-f	42.0 a-k	41.7 d-g	43.4 abc	44.7 ab	43.2 a-e	42.9 a-h	42.9 a-j
VT 003194	42.1 a-f	41.9 b-l	42.4 a-g	41.4 a-h	43.1 ab	43.2 a-e	42.5 c-i	42.2 d-k
VT 004167	43.8 a-e	44.1 a-d	44.8 abc	43.4 abc	45.3 a	44.7 abc	44.6 a	44.1 abc
VT 004180	41.4 b-f	41.6 c-l	42.1 c-g	42.1 a-f	45.3 a	45.4 a	42.9 a-h	43.0 a-h
VT 024051	42.3 a-f	42.1 a-k	42.6 a-g	42.4 a-e	43.4 ab	44.4 a-d	42.8 a-h	43.0 a-j
N03005J	42.4 a-f	41.3 e-m	41.0 efg	42.7 a-e	43.2 ab	43.6 a-e	42.2 e-i	42.6 a-k
N03006J	42.3 a-f	42.0 a-k	41.3 efg	39.3 e-i	44.9 ab	42.5 a-g	42.9 a-h	41.3 h-m
N03020E	39.9 f	43.1 a-i	42.7 a-g	42.6 a-e	39.9 c	43.8 a-e	40.8 i	43.2 a-g
N03023EF	42.7 a-f	40.4 j-m	42.3 b-g	42.6 a-e	44.1 ab	42.7 a-f	43.0 a-h	41.9 e-l
N03081T	43.2 a-f	43.2 a-i	44.2 a-d	42.6 a-e	44.8 ab	44.4 a-d	44.1 a-d	43.4 a-f
N03088T	44.3 a-e	43.8 a-f	41.1 efg	42.1 a-f	43.0 ab	43.8 a-e	42.8 a-h	43.2 a-g
N03089T	40.8 ef	42.6 a-k	42.2 b-g	42.9 a-e	43.1 ab	43.5 a-e	42.1 f-i	43.0 a-i
N03090T	43.4 a-f	42.3 a-k	41.3 efg	41.5 a-h	43.2 ab	43.2 a-e	42.6 b-i	42.3 b-k
N03091T	43.5 a-e	43.0 a-j	40.8 fg	40.5 b-h	42.6 abc	43.1 a-e	42.3 d-i	42.2 d-k
VT 023015	44.2 a-e	42.1 a-k	44.9 abc	42.9 a-e	43.7 ab	43.1 a-e	44.3 abc	42.7 a-j
VT 024044	43.1 a-f	42.9 a-j	43.3 a-f	42.6 a-e	44.7 ab	44.6 abc	43.7 a-g	43.4 a-f
VT 024060	43.7 a-e	43.3 a-i	42.8 a-g	40.8 b-h	43.4 ab	42.7 a-f	43.3 a-g	42.2 c-k
VT 024077	43.7 a-e	44.3 abc	43.1 a-f	43.0 a-e	44.2 ab	44.4 a-d	43.7 a-g	43.9 a-d
Mean	43	42.3	42.6	41.5	43.7	42.9	43.1	42.2
CV (%)	3.4	2.6	2.7	3.7	3	2.7	3	3

[1] The higher the number the brighter the peanut color.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 14. Pod brightness measurement (Hunter L Score)[1], Dig II – 2005

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[2]	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
NC-V 11	41.74 a-e	49 a-g	42.53 a-d	40.63 fgh	45.70 a-f	46.55 a-f	41.85 a-d	41.77 a-e	42.8 b-l	28.3 d
Gregory	42.80 a-d	24 mn	42.90 a-d	40.15 h	47.50 a-e	44.40 c-g	39.01 cd	39.39 a-f	42.4 g-l	38.9 abc
NC 12C	41.13 a-e	39 f-k	42.06 a-d	41.69 b-h	47.40 a-e	44.65 b-g	39.19 cd	40.38 a-f	42.3 h-l	38.6 abc
VA 98R	44.02 ab	40 e-k	44.33 a-d	43.28 a-h	44.25 ef	45.65 a-f	42.53 abc	42.40 a	44.3 a-h	44.5 ab
Wilson	43.24 a-d	55 ab	41.79 a-d	41.56 c-h	46.00 a-f	46.15 a-f	41.39 a-d	40.17 a-f	43.7 a-i	42.8 abc
Perry	43.03 a-d	45 a-j	43.44 a-d	43.81 a-h	47.40 a-e	46.00 a-f	41.59 a-d	40.40 a-f	43.2 a-k	42.9 abc
CHAMPS	44.26 a	47 a-i	42.96 a-d	44.78 a-f	46.85 a-f	46.35 a-f	42.35 a-d	41.47 a-e	43.0 b-k	43.3 abc
Phillips	43.19 a-d	47 a-h	45.56 ab	45.74 abc	48.50 ab	47.50 abc	42.16 a-d	41.54 a-e	43.4 a-j	43.2 abc
N99103ol (9)	43.56 abc	52 a-e	44.74 abc	44.16 a-h	46.25 a-f	46.15 a-f	41.67 a-d	42.13 ab	43.8 a-h	42.6 abc
VT 976133	40.90 b-e	45 a-j	41.90 a-d	42.67 a-h	44.35 ef	44.60 c-g	41.01 bcd	37.58 f	43.0 b-l	42.9 abc
Brantley	42.83 a-d	34 j-m	42.92 a-d	40.72 e-h	45.20 b-f	46.25 a-f	40.05 bcd	38.77 c-f	44.7 a-g	36.7 bc
N00098ol (Gre)	43.38 a-d	32 klm	43.31 a-d	41.89 b-h	46.10 a-f	44.90 b-g	42.01 a-d	39.68 a-f	44.3 a-h	43.0 abc
N00035J	41.84 a-e	19 n	44.87 abc	42.68 a-h	48.40 abc	45.85 a-f	39.27 cd	38.67 def	44.4 a-h	35.5 c
N01054	42.45 a-e	34 j-m	46.83 a	45.83 ab	47.10 a-f	45.40 a-f	40.82 bcd	38.47 ef	42.9 b-l	41.2 abc
N01083	43.10 a-d	38 f-k	45.08 abc	44.89 a-e	46.45 a-f	45.40 a-f	38.80 d	37.73 f	42.5 f-l	39.2 abc
VT 003069	41.85 a-e	40 e-k	42.33 a-d	40.43 gh	44.35 ef	44.15 d-g	40.17 bcd	39.63 a-f	42.7 c-l	39.8 abc
VT 003126	41.18 a-e	53 abc	44.11 a-d	44.87 a-e	46.15 a-f	46.65 a-e	42.43 a-d	41.83 a-d	43.2 a-k	42.7 abc
VT 003159	41.75 a-e	26 lmn	44.56 a-d	43.58 a-h	46.65 a-f	46.65 a-e	39.94 bcd	39.19 a-f	43.3 a-j	41.5 abc
VT 003167	42.67 a-d	47 a-i	42.91 a-d	43.92 a-h	46.40 a-f	45.55 a-f	41.69 a-d	39.33 a-f	42.1 h-l	43.4 abc
VT 003181	43.65 abc	39 f-k	44.92 abc	42.74 a-h	47.20 a-f	45.60 a-f	41.78 a-d	39.35 a-f	44.9 a-e	42.1 abc
VT 004100	40.23 de	32 klm	41.78 a-d	40.81 e-h	48.05 a-d	44.35 d-g	40.28 bcd	39.36 a-f	43.9 a-h	38.3 abc
VT 004123	41.79 a-e	40 d-k	41.49 bcd	41.64 b-h	46.15 a-f	42.35 g	42.59 abc	41.47 a-e	42.6 e-l	40.3 abc
VT 004178	41.61 a-e	21 n	43.19 a-d	41.63 c-h	47.25 a-f	43.45 fg	41.12 bcd	38.53 def	42.2 h-l	35.3 c
N01013T	43.85 abc	33 klm	45.15 abc	43.84 a-h	45.00 c-f	43.95 efg	41.63 a-d	41.08 a-e	43.9 a-h	39.7 abc
N02005	44.23 a	38 f-k	45.97 ab	45.68 abc	47.20 a-f	46.50 a-f	42.59 abc	42.50 a	43.5 a-j	39.9 abc
N02006	43.83 abc	36 h-l	44.47 a-d	43.10 a-h	47.60 a-e	46.75 a-e	39.60 cd	40.03 a-f	45.1 abc	40.1 abc
N02007	43.40 a-d	35 i-m	44.42 a-d	42.74 a-h	45.95 a-f	45.60 a-f	40.83 bcd	39.26 a-f	44.8 a-f	42.7 abc
N02009	42.74 a-d	43 b-k	44.12 a-d	44.46 a-g	46.10 a-f	46.80 a-e	39.69 cd	39.50 a-f	45.1 ab	43.1 abc

[1] The higher the number the brighter the peanut color.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 14. Pod brightness measurement (Hunter L Score)[1], Dig II – 2005 (cont.)

	Martin Co., NC		Columbus Co., NC		Sampson Co., NC		Southampton Co., VA		City of Suffolk, VA	
Variety or Line	Jumbo[2]	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy	Jumbo	Fancy
N02010	42.69 a-d	37 g-l	40.38 cde	41.99 a-h	48.10 abc	46.90 a-e	42.04 a-d	42.13 ab	45.4 a	42.7 abc
N02020J	42.25 a-e	21 n	44.63 a-d	41.15 d-h	47.30 a-f	43.85 efg	41.51 a-d	38.49 ef	44.3 a-h	37.9 abc
N02060ol (Per)	40.90 b-e	42 c-k	43.94 a-d	42.62 a-h	45.55 b-f	45.25 a-g	39.47 cd	39.04 b-f	41.2 jkl	39.1 abc
VT 003193	43.19 a-d	45 a-j	44.39 a-d	42.91 a-h	44.65 def	46.05 a-f	42.10 a-d	40.31 a-f	43.0 b-l	42.7 abc
VT 003194	41.51 a-e	49 a-g	42.36 a-d	42.00 a-h	45.60 b-f	45.70 a-f	41.82 a-d	39.91 a-f	42.6 d-l	42.4 abc
VT 004167	41.93 a-e	42 c-k	46.83 a	46.17 a	49.10 a	47.10 a-d	44.97 a	42.13 ab	44.6 a-g	41.9 abc
VT 004180	42.81 a-d	42 c-k	44.10 a-d	43.05 a-h	46.05 a-f	46.50 a-f	39.97 bcd	39.87 a-f	42.9 b-l	41.9 abc
VT 024051	42.76 a-d	53 abc	39.56 de	43.34 a-h	41.05 g	44.55 c-g	40.95 bcd	40.26 a-f	44.4 a-h	44.2 ab
N03005J	39.43 e	49 a-g	41.42 bcd	44.60 a-g	43.90 f	46.25 a-f	41.94 a-d	39.78 a-f	41.5 i-l	41.1 abc
N03006J	42.50 a-e	50 a-f	43.19 a-d	43.84 a-h	45.05 c-f	46.60 a-e	42.40 a-d	41.83 a-d	43.6 a-i	41.3 abc
N03020E	41.40 a-e	52 a-e	36.74 e	43.06 a-h	45.65 b-f	47.25 a-d	41.15 bcd	41.53 a-e	40.6 l	44.3 ab
N03023EF	40.91 b-e	52 a-d	43.04 a-d	44.75 a-f	46.25 a-f	45.85 a-f	42.29 a-d	42.08 abc	44.4 a-h	44.3 ab
N03081T	43.76 abc	50 a-f	44.96 abc	42.99 a-h	46.20 a-f	46.55 a-f	42.56 abc	41.59 a-e	45.0 a-d	43.2 abc
N03088T	43.25 a-d	56 a	45.08 abc	45.45 abc	47.65 a-e	48.25 a	41.31 bcd	39.92 a-f	40.8 kl	40.8 abc
N03089T	43.24 a-d	53 abc	45.19 abc	43.44 a-h	46.00 a-f	46.65 a-e	41.32 a-d	40.03 a-f	42.6 e-l	42.3 abc
N03090T	43.28 a-d	56 a	44.72 abc	44.60 a-g	46.45 a-f	47.25 a-d	40.76 bcd	40.17 a-f	43.2 a-k	43.5 abc
N03091T	41.56 a-e	57 a	42.94 a-d	44.58 a-g	47.15 a-f	45.95 a-f	43.38 ab	40.57 a-f	42.8 b-l	42.2 abc
VT 023015	42.28 a-e	48 a-g	44.38 a-d	45.03 a-d	47.65 a-e	47.75 ab	41.82 a-d	41.99 abc	42.9 b-l	42.9 abc
VT 024044	40.74 cde	50 a-f	43.56 a-d	43.98 a-h	44.35 ef	46.20 a-f	41.26 bcd	40.56 a-f	44.1 a-h	43.3 abc
VT 024060	42.04 a-e	41 c-k	44.85 abc	45.17 a-d	46.70 a-f	46.30 a-f	40.92 bcd	40.78 a-f	42.7 d-l	42.7 abc
VT 024077	43.40 a-d	42 c-k	45.37 abc	45.14 a-d	46.10 a-f	46.30 a-f	41.03 bcd	41.31 a-e	44.1 a-h	45.1 a
Mean	42.45	42	43.6	43.34	46.29	45.86	41.29	40.32	43.4	41.3
CV (%)	3.1	11.6	4.8	3.9	3	2.7	3.6	3.3	2.2	8.1

[1] The higher the number the brighter the peanut color.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 15. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.1	1.2	67 a-d	6.05	19 k-n	2.7	1.6	3.5	67 a-g	75 a-f	16.82 a-d	2752 a	458 a-f
Gregory	3.2	1.5	83 ab	6.10	35 a-g	2.5	0.9	6.2	64 a-j	74 c-i	14.61 a-g	3009 a	419 a-f
NC 12C	2.8	1.1	66 a-d	6.10	28 c-l	3.2	1.1	3.8	67 a-g	75 a-f	16.97 a-d	3235 a	540 a-f
VA 98R	0.9	0.8	67 a-d	6.35	20 j-n	3.5	1.4	4.5	66 a-i	75 a-f	16.39 a-e	3471 a	565 a-e
Wilson	0.5	1.4	77 abc	6.10	18 lmn	2.5	1.6	4.8	61 g-l	70 lm	14.54 a-g	3073 a	440 a-f
Perry	1.0	1.4	66 a-d	6.25	23 g-n	2.7	1.4	2.5	69 a-d	76 a-e	17.90 ab	2709 a	483 a-f
CHAMPS	1.4	1.2	71 a-d	5.95	19 k-n	3.3	1.4	3.4	68 a-g	76 a-e	17.42 ab	3118 a	539 a-f
Phillips	1.1	1.1	69 a-d	6.35	29 b-l	2.4	1.4	3.7	67 a-g	74 c-i	16.80 a-d	2718 a	459 a-f
N99103ol(9)	0.9	0.8	62 a-d	6.30	20 j-n	3.3	1.9	2.8	68 a-g	76 abc	17.70 ab	3544 a	624 abc
VT 976133	3.2	0.9	65 a-d	6.35	19 k-n	2.3	1.5	8.3	63 c-l	75 a-h	12.34 c-h	3449 a	421 a-f
Brantley	2.5	0.9	79 ab	6.35	40 a-d	3.0	0.8	6.9	64 a-j	75 a-f	14.32 a-g	3207 a	463 a-f
N00098ol(Gre)	1.5	1.3	82 ab	6.20	23 f-n	4.9	1.3	7.4	59 i-l	73 g-k	13.22 b-h	2693 a	328 def
N00035J	2.4	1.6	92 a	6.20	39 a-d	1.5	0.9	9.6	59 h-l	71 kl	11.06 fgh	2830 a	311 ef
N01054	0.9	1.1	85 ab	6.10	31 b-k	2.7	1.3	6.1	62 f-l	72 jkl	14.07 a-h	2881 a	435 a-f
N01083	1.2	0.9	81 ab	6.05	37 a-e	3.8	1.1	5.2	62 e-l	72 i-l	15.03 a-f	3926 a	585 a-d
VT 003069	3.8	1.3	80 ab	6.20	22 h-n	2.3	1.2	6.8	66 a-h	76 ab	14.10 a-h	2659 a	366 b-f
VT 003126	1.0	0.6	64 a-d	6.10	24 f-n	3.1	1.0	3.8	67 a-g	75 a-f	17.33 ab	3546 a	611 abc
VT 003159	1.5	0.9	87 a	6.20	36 a-f	2.5	0.8	6.9	62 d-l	73 g-k	13.61 a-h	3428 a	461 a-f
VT 003167	1.0	1.5	77 abc	6.20	28 c-l	3.0	1.5	5.0	65 a-j	75 a-h	15.61 a-f	2705 a	423 a-f
VT 003181	1.5	1.3	81 ab	6.20	13 n	2.8	1.7	3.7	64 a-j	73 h-k	16.01 a-f	2797 a	450 a-f
VT 004100	3.5	1.6	83 ab	6.25	29 b-l	0.9	0.9	3.2	69 abc	74 b-h	17.13 a-d	3317 a	562 a-f
VT 004123	2.3	1.0	80 ab	6.20	31 b-k	3.6	1.1	6.7	63 a-l	75 a-h	13.82 a-h	2881 a	393 a-f
VT 004178	2.5	0.9	90 a	6.30	28 c-l	0.9	1.0	12.5	58 kl	72 jkl	9.45 h	3148 a	295 ef
N01013T	3.5	1.3	76 abc	6.25	35 a-h	4.0	0.6	2.7	69 a-d	77 a	18.41 a	3038 a	547 a-f
N02005	2.0	0.9	83 ab	6.10	45 a	1.6	0.4	3.9	70 ab	76 a-d	17.25 a-d	3199 a	541 a-f
N02006	2.3	1.0	87 a	6.25	41 ab	2.5	0.9	3.8	67 a-g	75 a-h	17.21 a-d	3330 a	567 a-e

[1] Planted on May 27, dug on September 27, and combined on October 17.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 15. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.2	0.8	78 ab	6.05	39 a-d	3.1	0.9	3.3	69 abc	77 a	18.16 ab	3657 a	655 a
N02009	1.9	0.9	83 ab	6.20	39 a-d	1.5	1.0	4.3	68 a-g	75 a-f	16.67 a-d	2940 a	482 a-f
N02010	2.6	1.4	82 ab	5.95	39 a-d	3.6	1.0	4.0	67 a-g	75 a-f	17.13 a-d	3130 a	$527 a-f
N02020J	2.1	1.0	46 cd	6.10	40 abc	1.5	0.9	5.1	66 a-h	74 e-j	15.09 a-f	3411 a	509 a-f
N02060ol(Per)	3.5	2.0	69 a-d	6.10	22 h-n	2.7	2.3	3.8	66 a-h	75 a-h	16.90 a-d	2659 a	440 a-f
VT 003193	0.9	0.9	62 a-d	6.15	15 mn	2.5	1.4	3.8	67 a-g	75 a-f	16.66 a-d	3803 a	631 ab
VT 003194	1.0	0.9	76 abc	6.35	23 g-n	2.6	1.5	3.4	68 a-g	75 a-f	17.32 abc	2629 a	453 a-f
VT 004167	0.9	1.4	88 a	6.15	18 k-n	3.0	2.3	7.2	57 l	69 m	11.63 e-h	3209 a	371 b-f
VT 004180	1.1	0.7	70 a-d	6.50	18 k-n	2.8	1.4	5.9	65 a-j	75 a-h	14.60 a-g	3178 a	459 a-f
VT 024051	0.9	0.9	64 a-d	6.30	24 f-n	2.3	1.4	2.5	69 abc	75 a-e	17.94 ab	3013 a	538 a-f
N03005J	1.1	0.9	53 bcd	6.25	22 i-n	4.1	1.5	3.2	66 a-h	75 a-f	17.21 a-d	3051 a	525 a-f
N03006J	1.4	1.4	76 abc	6.30	35 a-h	3.3	1.2	3.0	67 a-g	75 a-f	17.17 a-d	2632 a	456 a-f
N03020E	0.6	0.7	69 a-d	6.00	27 d-m	3.3	1.4	4.1	66 a-h	75 a-g	16.74 a-d	3175 a	529 a-f
N03023EF	1.5	1.1	70 a-d	6.10	20 j-n	2.0	1.6	6.9	63 b-l	74 d-j	13.71 a-h	2796 a	397 a-f
N03081T	0.7	0.8	69 a-d	6.25	25 e-n	3.8	1.5	5.3	64 a-k	74 a-h	14.93 a-f	3521 a	538 a-f
N03088T	1.2	0.9	84 ab	6.05	27 d-m	2.6	1.1	3.8	69 a-e	76 ab	17.12 a-d	3151 a	534 a-f
N03089T	1.1	0.7	43 d	6.25	28 c-l	4.1	0.9	2.0	69 a-d	76 abc	18.02 ab	3097 a	555 a-f
N03090T	0.7	0.7	86 a	6.20	32 b-j	3.5	1.1	1.5	69 abc	75 a-e	18.45 a	3281 a	602 a-d
N03091T	1.1	0.8	81 ab	6.10	33 a-i	3.4	0.9	2.8	68 a-f	75 a-f	18.00 ab	3395 a	607 abc
VT 023015	1.0	0.7	84 ab	6.55	31 b-k	1.8	0.7	2.9	70 a	76 a-e	17.93 ab	3743 a	667 a
VT 024044	2.4	1.0	64 a-d	6.55	13 n	1.3	2.0	11.1	59 jkl	73 f-k	9.96 gh	2913 a	288 f
VT 024060	0.9	0.9	83 ab	6.50	30 b-l	1.6	1.2	3.4	69 a-e	75 a-f	17.53 ab	3505 a	611 abc
VT 024077	0.9	1.5	80 ab	6.20	19 k-n	2.5	2.0	9.4	57 kl	71 kl	12.32 d-h	2630 a	349 c-f
Mean	1.7	1.1	74	6.21	27	2.7	1.3	4.9	65	74	15.72	3126	490
CV (%)[4]			17		19				4	1	13	17	23

[1] Planted on May 27, dug on September 27, and combined on October 17.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 16. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.3	0.6	69 e-l	5.60	35 rs	5.1	2.1	2.0	66 d-m	76 h-n	18.11 a-f	4519 b-l	814 a-m
Gregory	4.3	1.0	85 a-e	5.65	56 a-d	4.3	1.1	2.5	69 a-i	77 b-k	18.81 a-e	4627 a-i	847 a-k
NC 12C	4.8	0.8	70 e-l	5.55	47 e-m	8.1	1.1	1.5	66 d-m	77 b-j	18.95 a-e	3956 k-o	728 e-m
VA 98R	1.0	0.6	77 a-k	5.45	40 m-s	5.3	1.9	3.5	65 f-m	76 h-n	16.86 a-f	4335 c-n	736 d-m
Wilson	1.4	0.6	75 b-k	5.45	39 m-s	3.7	2.0	1.7	66 d-m	74 n	17.95 a-f	4168 g-n	742 d-m
Perry	2.4	0.9	63 jkl	5.65	38 n-s	4.8	2.8	2.3	67 c-m	76 c-l	18.18 a-f	3843 no	691 h-m
CHAMPS	3.4	1.0	74 b-k	5.60	42 j-s	2.3	2.0	1.4	72 ab	78 a-h	19.17 abc	4299 d-n	805 a-m
Phillips	1.9	0.4	67 h-l	5.70	47 e-m	5.4	1.5	2.5	67 c-m	76 d-l	18.34 a-f	3927 mno	715 f-m
N99103ol(9)	1.7	0.6	68 g-l	5.55	39 m-s	7.4	1.5	2.8	65 e-m	77 b-k	18.16 a-f	4283 d-n	769 a-m
VT 976133	3.4	0.9	68 f-l	5.65	37 p-s	3.0	2.9	5.7	64 g-m	76 e-l	14.94 fg	4188 f-n	614 m
Brantley	5.2	0.9	78 a-k	5.50	53 a-h	4.6	1.6	4.2	66 e-m	76 c-l	17.21 a-f	3945 l-o	658 i-m
N00098ol(Gre)	3.4	0.9	81 a-i	5.70	42 k-s	6.5	1.8	4.5	62 m	75 j-n	15.63 def	4223 e-n	654 j-m
N00035J	2.5	0.7	87 a-d	5.45	53 a-g	4.4	1.4	4.8	64 i-m	74 lmn	15.52 ef	4398 b-n	683 h-m
N01054	1.1	0.6	85 a-e	5.45	56 a-d	3.8	1.1	2.8	69 a-j	76 d-l	18.59 a-e	4738 a-g	875 a-h
N01083	1.3	0.9	81 a-i	5.50	50 c-k	5.8	1.1	4.0	64 h-m	75 i-n	16.23 b-f	4541 b-j	735 d-m
VT 003069	2.5	0.4	82 a-i	5.65	43 i-s	5.7	1.4	2.0	70 a-e	79 a	19.38 abc	3907 mno	745 c-m
VT 003126	2.8	0.6	68 f-l	5.65	45 g-p	4.2	1.6	3.7	68 b-k	77 a-j	17.51 a-f	4288 d-n	742 d-m
VT 003159	1.9	0.7	85 a-e	5.60	46 g-o	4.3	1.9	4.6	63 klm	74 mn	15.95 c-f	3928 mno	625 lm
VT 003167	1.6	0.9	76 a-k	5.75	40 l-s	6.4	2.3	1.8	66 e-m	76 d-l	18.36 a-f	4095 h-n	745 c-m
VT 003181	2.2	0.6	88 abc	5.50	44 h-p	5.0	1.5	2.8	66 d-m	76 h-n	18.11 a-f	4470 b-m	799 a-m
VT 004100	2.0	0.8	86 a-e	5.55	49 d-l	3.3	1.6	1.6	70 a-e	77 b-k	18.88 a-e	4339 c-n	812 a-m
VT 004123	3.3	1.4	79 a-j	5.65	48 e-m	4.8	2.6	2.1	67 b-m	76 d-l	18.41 a-e	4074 i-n	734 e-m
VT 004178	1.8	0.9	92 a	5.45	55 a-f	4.1	0.9	2.3	68 b-l	75 j-n	18.50 a-e	4635 a-i	847 a-k
N01013T	3.2	0.8	78 a-k	5.60	47 e-m	5.1	1.3	2.8	68 b-l	77 b-j	18.51 a-e	4404 b-n	799 a-m
N02005	2.7	0.6	85 a-e	5.45	60 a	4.4	1.0	3.1	70 a-f	79 abc	19.05 a-d	4787 a-e	897 a-g
N02006	2.5	0.7	90 ab	5.55	59 ab	3.3	1.3	2.9	69 a-h	77 b-k	18.03 a-f	4656 a-h	834 a-k

[1] Planted on May 27, dug on October 17, and combined on November 2.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 16. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	4.2	0.9	82 a-h	5.60	58 abc	4.8	1.4	2.7	69 a-i	78 a-h	18.89 a-e	4640 a-i	853 a-j
N02009	4.2	0.9	79 a-j	5.55	59 ab	6.3	1.1	1.0	70 a-e	79 ab	19.91 a	4950 ab	958 a
N02010	4.8	0.7	85 a-f	5.50	60 a	5.2	1.1	4.1	68 b-k	78 a-d	17.42 a-f	4570 b-i	777 a-m
N02020J	2.3	1.1	92 a	5.65	56 a-e	2.8	1.3	5.6	66 d-m	76 f-m	15.61 def	4483 b-m	696 g-m
N02060ol(Per)	1.3	1.0	70 e-l	5.60	38 o-s	4.6	2.7	1.2	68 b-k	76 c-l	18.69 a-e	3492 o	647 klm
VT 003193	1.5	0.4	62 kl	5.50	35 qrs	4.4	1.2	1.4	70 a-f	77 b-j	18.99 a-d	4601 a-i	866 a-h
VT 003194	1.2	0.6	78 a-k	5.50	34 s	4.9	2.2	2.4	67 b-m	77 b-k	18.29 a-f	4127 h-n	750 b-m
VT 004167	1.7	0.8	35 m	5.50	39 m-s	4.9	3.8	2.7	63 j-m	75 k-n	16.40 b-f	4472 b-m	727 e-m
VT 004180	1.1	0.5	75 a-k	5.75	44 i-q	5.2	1.6	2.3	69 a-i	78 a-f	18.84 a-e	3974 j-o	744 d-m
VT 024051	1.8	0.6	66 h-l	5.65	45 g-p	3.7	1.7	2.3	70 a-g	77 a-j	18.75 a-e	4393 b-n	814 a-m
N03005J	2.5	0.6	57 l	5.60	40 l-s	5.1	1.7	0.6	71 a-d	79 ab	19.63 ab	4807 a-d	928 a-e
N03006J	1.5	0.7	65 i-l	5.60	45 g-p	5.6	2.5	2.0	67 b-m	77 a-i	18.68 a-e	4121 h-n	763 a-m
N03020E	0.9	0.7	65 i-l	5.65	47 e-m	6.3	2.1	0.7	69 a-l	78 a-h	19.34 abc	4879 abc	939 a-d
N03023EF	2.5	0.5	71 d-l	5.60	47 f-n	3.8	1.9	1.1	70 a-e	77 b-j	19.21 abc	4434 b-m	838 a-k
N03081T	1.3	0.6	72 c-l	5.55	43 i-r	4.8	2.4	0.8	67 b-m	75 i-n	18.66 a-e	5157 a	954 a
N03088T	1.0	0.4	78 a-k	5.60	51 b-i	5.6	1.6	1.3	70 a-f	78 a-e	19.40 abc	4919 ab	949 abc
N03089T	1.2	0.6	80 a-i	5.45	46 g-o	6.8	2.0	1.4	68 b-l	78 a-g	19.11 abc	4548 b-j	863 a-h
N03090T	1.5	0.6	78 a-k	5.60	51 c-j	6.8	1.9	0.8	68 a-k	78 a-h	19.38 abc	4964 ab	953 ab
N03091T	1.2	0.4	81 a-i	5.55	57 a-d	5.2	2.0	1.1	70 a-g	78 a-h	19.47 ab	4756 a-f	919 a-f
VT 023015	2.4	0.6	80 a-i	5.60	47 f-n	3.2	1.3	1.3	72 abc	78 a-h	19.28 abc	4526 b-k	859 a-i
VT 024044	4.8	0.9	67 h-l	5.55	26 t	2.8	1.2	9.2	63 lm	76 g-n	12.17 g	2834 p	340 n
VT 024060	2.8	0.8	84 a-g	5.60	49 d-k	2.5	1.0	0.4	73 a	77 a-i	19.65 ab	4578 b-i	884 a-h
VT 024077	0.9	0.7	78 a-k	5.55	38 o-s	6.4	2.4	1.5	65 e-m	76 g-n	18.34 a-f	4515 b-l	824 a-l
Mean	2.3	0.7	76	5.57	46	4.8	1.7	2.5	68	77	18.11	4374	786
CV (%)[4]			9			8				3	1 8	5	11

[1] Planted on May 27, dug on October 17, and combined on November 2.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 17. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig I – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.3	0.6	69 mno	6.00	39 mn	1.8	1.8	3.5	68 a-f	75 d-m	17.48 abc	3271 b-i	570 b-k
Gregory	1.3	1.4	90 a-f	6.00	49 c-k	1.8	1.5	6.7	61 hi	71 qr	12.77 fg	3569 a-i	454 f-k
NC 12C	1.9	0.6	81 e-l	5.85	54 a-f	2.5	1.3	3.8	69 abc	77 b-e	17.49 abc	3960 a-g	684 a-f
VA 98R	0.3	0.8	71 l-o	5.80	47 e-m	3.1	1.4	3.0	69 a-d	76 b-f	18.25 ab	3736 a-h	683 a-f
Wilson	0.2	0.7	82 d-k	5.75	43 j-n	2.6	1.4	2.9	65 a-h	72 opq	16.74 a-d	3888 a-g	649 a-h
Perry	0.6	1.1	68 no	5.95	48 e-l	3.8	1.6	2.3	68 a-f	76 b-g	18.50 a	3284 b-i	605 a-k
CHAMPS	0.6	0.6	80 f-l	5.85	48 d-l	1.7	1.8	2.0	70 a	76 b-h	18.59 a	3611 a-h	669 a-g
Phillips	0.6	0.6	75 j-o	5.80	50 c-j	3.3	1.5	3.6	67 a-g	75 b-k	17.10 abc	3588 a-i	620 a-k
N99103ol(9)	0.3	0.4	75 j-o	5.95	45 h-m	3.0	1.5	4.6	67 a-g	76 b-i	16.50 a-f	3907 a-g	644 a-j
VT 976133	0.9	0.9	76 h-n	5.85	44 i-m	3.7	1.5	8.5	63 f-i	76 b-f	12.94 efg	3208 c-i	417 g-k
Brantley	1.0	0.6	84 b-k	6.00	57 abc	2.5	0.8	3.5	68 a-f	75 d-m	16.91 abc	3638 a-h	625 a-k
N00098ol(Gre)	0.6	0.6	88 a-g	5.70	49 d-l	3.1	1.0	3.1	68 a-f	75 c-l	17.63 abc	3544 a-i	625 a-k
N00035J	0.4	0.7	95 a	5.85	57 abc	3.2	0.7	4.3	64 b-h	73 n-q	16.35 a-g	3658 a-h	599 a-k
N01054	0.3	0.6	90 a-f	5.65	51 b-j	2.5	1.8	3.0	66 a-h	73 l-p	16.97 abc	3224 b-i	539 d-k
N01083	0.6	0.8	82 c-k	6.00	46 g-m	3.0	1.9	6.5	59 i	70 r	12.81 fg	3035 e-i	390 jk
VT 003069	1.0	0.4	84 b-k	5.90	51 b-j	4.8	1.1	4.0	69 abc	79 a	18.00 abc	3326 b-i	589 a-k
VT 003126	0.3	0.5	79 g-m	5.80	48 e-l	2.7	1.8	2.0	69 a-e	75 c-l	18.35 a	3885 a-g	711 a-e
VT 003159	0.4	0.9	90 a-f	5.90	45 g-m	2.5	1.0	5.8	63 e-i	72 n-q	14.25 c-g	3275 b-i	466 e-k
VT 003167	0.4	0.6	83 b-k	5.80	45 h-m	2.7	1.5	3.0	67 a-g	75 e-m	17.80 abc	3643 a-h	647 a-i
VT 003181	0.4	0.5	92 abc	5.95	53 a-g	3.5	0.7	2.0	69 abc	76 b-i	18.76 a	4366 ab	817 ab
VT 004100	0.7	1.4	87 a-g	6.20	43 j-n	2.2	2.0	8.4	61 hi	73 k-p	12.69 g	2985 f-i	408 h-k
VT 004123	0.8	1.1	84 b-j	5.90	46 f-m	2.5	1.2	2.9	68 a-f	75 f-m	17.89 abc	3130 d-i	552 c-k
VT 004178	0.6	0.8	93 ab	5.80	53 a-h	2.3	0.6	6.9	62 ghi	72 pq	13.13 d-g	3517 a-i	460 e-k
N01013T	0.9	0.6	84 b-j	5.95	56 a-d	3.4	0.9	1.2	70 ab	75 b-k	19.07 a	3972 a-g	753 a-d
N02005	0.6	0.6	85 a-j	5.90	54 a-f	2.1	1.6	3.2	67 a-g	74 g-n	17.26 abc	3112 d-i	536 d-k
N02006	0.4	0.4	91 a-e	5.70	57 abc	2.0	1.5	1.7	69 abc	74 h-n	18.47 a	3612 a-h	667 a-g

[1] Planted on May 19, dug on September 26, and combined on October 4.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 17. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig I – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	0.9	0.6	83 b-k	5.80	54 a-f	3.1	1.3	2.9	68 a-f	75 d-l	18.13 ab	3538 a-i	638 a-j
N02009	1.0	0.6	84 b-j	5.65	58 ab	1.9	1.1	3.3	70 ab	76 b-f	18.40 a	3869 a-g	708 a-f
N02010	0.6	0.9	89 a-g	5.95	60 a	2.7	1.0	2.0	69 abc	75 d-m	18.64 a	4311 abc	802 abc
N02020J	0.9	1.0	92 a-d	6.00	54 a-f	1.9	1.4	5.8	64 c-i	73 m-p	14.43 b-g	2671 hi	382 k
N02060ol(Per)	0.2	1.4	79 g-l	6.15	46 g-m	2.2	2.2	1.0	68 a-f	74 j-p	18.26 ab	3113 d-i	568 b-k
VT 003193	0.2	0.6	74 k-o	5.95	45 g-m	3.5	1.4	4.8	67 a-g	77 b-e	16.34 a-g	4166 a-e	678 a-f
VT 003194	0.6	1.0	81 e-l	5.95	41 k-n	4.2	2.2	4.5	64 b-h	75 b-k	15.86 a-g	2449 i	393 ijk
VT 004167	0.3	0.5	91 a-d	5.85	46 f-m	3.3	1.1	3.6	64 c-i	72 opq	16.60 a-e	3988 a-g	664 a-g
VT 004180	0.4	0.4	74 k-o	5.80	46 g-m	4.7	1.0	4.1	67 a-g	77 abc	17.28 abc	3057 e-i	532 d-k
VT 024051	0.4	0.4	68 no	5.75	49 c-k	2.4	1.8	3.2	70 ab	77 abc	18.35 a	4545 a	832 a
N03005J	0.4	0.8	67 no	5.75	39 mn	3.3	2.3	3.3	65 a-h	74 i-o	16.67 a-e	3938 a-g	655 a-h
N03006J	0.6	0.6	76 i-n	5.75	55 a-e	2.8	1.8	3.1	69 a-e	76 b-f	18.32 a	3477 a-i	635 a-k
N03020E	0.3	0.6	54 p	5.90	43 j-n	4.1	2.4	1.9	68 a-f	77 bcd	18.58 a	3704 a-h	686 a-f
N03023EF	0.8	1.1	76 h-n	5.85	48 d-l	2.6	1.6	4.4	66 a-h	75 d-m	16.09 a-g	2864 ghi	457 e-k
N03081T	0.3	0.6	68 no	5.85	44 i-m	2.8	2.3	0.6	69 abc	75 d-m	18.66 a	4164 a-e	776 a-d
N03088T	0.3	0.4	86 a-h	5.80	54 a-f	3.8	1.5	2.0	68 a-f	76 b-i	18.69 a	4133 a-f	772 a-d
N03089T	0.7	0.9	84 b-j	5.85	50 c-j	3.3	1.6	1.1	70 abc	75 b-j	18.90 a	3779 a-h	711 a-e
N03090T	0.3	0.6	86 a-h	6.10	53 a-h	2.8	2.3	1.5	68 a-g	74 g-n	18.34 a	4155 a-e	762 a-d
N03091T	0.4	0.7	84 b-j	5.80	57 abc	3.3	2.0	1.3	69 a-d	75 b-k	18.87 a	4233 a-d	797 abc
VT 023015	0.5	0.9	86 a-i	6.10	52 a-i	3.3	1.6	4.0	67 a-g	76 b-i	17.01 abc	3210 c-i	547 c-k
VT 024044	0.6	0.3	66 o	5.80	41 lmn	2.3	0.9	6.1	68 a-f	77 ab	15.28 a-g	3064 e-i	465 e-k
VT 024060	0.9	0.9	83 b-k	5.85	49 d-l	2.5	1.5	3.6	68 a-f	75 b-j	17.09 abc	3623 a-h	619 a-k
VT 024077	0.3	0.5	76 h-n	6.05	36 n	3.7	2.2	3.7	63 d-i	73 n-q	16.04 a-g	3466 a-i	562 c-k
Mean	0.6	0.7	81	5.88	49	2.9	1.5	3.5	67	75	17.01	3581	613
CV (%)[4]			5		7				3	1	9	13	17

[1] Planted on May 19, dug on September 26, and combined on October 4.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 18. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.9	0.9	62 lmn	5.35	35 k-n	6.8	4.0	6.3	57 a-h	74 g-l	$13.38 a-g	1865 d-n	253 d-k
Gregory	3.0	1.1	83 a-f	5.30	38 h-n	6.2	2.6	11.6	53 e-i	73 klm	9.69 fg	956 lmn	91 k
NC 12C	5.6	1.5	67 j-m	5.30	43 b-l	9.7	2.0	5.8	61 a-e	78 a-d	15.42 a-e	1621 f-n	262 c-k
VA 98R	1.3	0.8	58 mn	5.20	42 d-m	6.4	3.5	4.6	62 a-d	76 b-k	15.65 a-e	1915 d-n	294 b-k
Wilson	0.9	1.9	71 h-l	5.30	32 mn	6.3	4.2	4.1	57 a-h	72 lm	14.92 a-f	1252 j-n	203 g-k
Perry	1.5	1.5	69 i-l	5.25	45 a-k	6.8	2.2	2.5	65 a	76 b-k	18.14 ab	2604 a-i	467 a-f
CHAMPS	2.0	1.2	73 g-k	5.30	39 g-n	5.0	4.6	5.9	60 a-e	76 c-k	14.52 a-g	1087 lmn	162 h-k
Phillips	1.8	0.9	76 e-j	5.30	52 a-d	9.4	1.2	2.8	64 ab	78 a-e	18.01 ab	1849 d-n	329 b-k
N99103ol(9)	0.6	0.6	65 klm	5.25	40 e-n	9.7	2.2	4.7	60 a-f	76 a-i	16.01 a-d	2399 a-k	407 a-h
VT 976133	3.0	1.2	78 e-i	5.30	39 f-n	10.0	3.0	11.1	52 ghi	76 b-k	11.19 d-g	1548 f-n	181 g-k
Brantley	4.3	1.1	77 e-j	5.30	47 a-i	9.2	2.5	7.1	58 a-h	76 b-j	13.43 a-g	1446 h-n	186 g-k
N00098ol(Gre)	4.1	1.0	76 e-j	5.25	34 lmn	9.6	2.3	7.3	57 a-h	76 b-k	13.34 a-g	706 n	103 jk
N00035J	1.4	8.5	92 a	5.15	45 a-k	7.9	2.3	8.9	52 f-i	71 m	10.17 efg	2101 c-m	213 f-k
N01054	1.0	0.8	88 abc	5.25	48 a-g	10.1	1.7	3.9	59 a-g	75 e-k	16.46 a-d	2492 a-j	417 a-h
N01083	1.1	0.9	77 e-j	5.20	40 e-n	14.7	2.2	8.1	49 i	74 i-m	12.10 c-g	3115 a-d	375 a-i
VT 003069	3.0	1.0	78 d-i	5.15	41 e-n	12.1	2.2	6.4	59 a-h	79 a	14.61 a-g	1055 lmn	148 ijk
VT 003126	2.2	1.0	69 i-l	5.15	43 a-l	7.8	4.1	3.7	59 a-g	75 e-k	16.65 a-d	1756 e-n	293 b-k
VT 003159	2.5	1.3	90 ab	5.20	47 a-i	8.3	1.8	7.5	56 b-i	74 h-m	13.08 a-g	1421 h-n	206 g-k
VT 003167	1.8	1.4	67 j-m	5.35	35 lmn	7.9	3.7	6.8	56 b-i	75 e-k	13.19 a-g	1510 g-n	197 g-k
VT 003181	3.2	1.5	84 a-f	5.25	42 c-l	7.1	2.8	7.7	57 a-h	74 f-l	13.02 a-g	1058 lmn	137 ijk
VT 004100	4.3	1.5	70 h-l	5.30	36 j-n	6.0	1.9	8.7	58 a-h	75 e-k	11.83 d-g	815 mn	95 k
VT 004123	2.7	2.1	77 e-i	5.30	39 g-n	5.2	2.7	4.3	63 a-d	75 e-k	16.09 a-d	887 lmn	140 ijk
VT 004178	2.3	1.6	91 ab	5.30	43 a-l	6.3	2.7	11.4	51 hi	71 m	9.18 g	1507 g-n	138 ijk
N01013T	5.2	1.0	69 i-l	5.25	41 e-n	11.6	2.2	4.7	60 a-e	79 ab	16.64 a-d	1421 h-n	229 e-k
N02005	3.7	0.7	77 e-j	5.20	52 abc	8.3	2.0	3.5	64 ab	77 a-g	17.53 abc	2101 c-m	356 b-j
N02006	2.0	1.4	86 a-e	5.35	47 a-i	6.1	2.7	6.6	59 a-g	75 f-l	13.63 a-g	1898 d-n	255 d-k

[1] Planted on May 19, dug on October 13, and combined on October 20.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 18. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.8	1.1	83 a-f[3]	5.30	49 a-f	7.8	3.4	3.0	61 a-d	75 d-k	17.56 abc	1681 e-n	291 b-k
N02009	3.3	0.8	77 e-j	5.35	52 a-d	7.5	2.0	4.9	63 abc	77 a-g	16.06 a-d	2044 c-m	323 b-k
N02010	4.3	1.3	83 a-f	5.25	46 a-j	7.1	2.5	6.8	60 a-g	76 b-k	$14.27 a-g	1015 lmn	140 ijk
N02020J	2.5	1.7	88 abc	5.25	46 a-j	7.1	2.2	9.0	56 b-i	75 e-k	12.53 b-g	1152 k-n	141 ijk
N02060ol(Per)	1.4	1.0	63 k-n	5.35	37 h-n	6.0	3.3	4.1	63 abc	76 a-i	16.58 a-d	2577 a-i	432 a-g
VT 003193	2.2	1.0	67 j-m	5.10	38 h-n	9.3	2.8	8.3	57 a-h	77 a-f	13.01 a-g	1354 i-n	181 g-k
VT 003194	1.4	1.3	67 j-m	5.35	31 n	11.2	4.7	5.3	55 d-i	76 b-k	14.65 a-g	1111 k-n	162 h-k
VT 004167	1.5	0.9	88 a-d	5.25	42 d-m	9.1	2.3	6.8	55 c-i	73 j-m	13.54 a-g	1440 h-n	205 g-k
VT 004180	2.8	0.9	63 lmn	5.30	41 e-n	10.7	3.3	5.0	58 a-h	77 a-g	15.67 a-e	1547 f-n	238 e-k
VT 024051	3.0	1.3	49 o	5.25	40 e-n	10.6	2.2	8.3	57 a-h	78 abc	13.14 a-g	1889 d-n	242 e-k
N03005J	1.0	0.8	55 no	5.35	37 h-n	8.1	3.2	1.6	63 ab	76 b-k	18.20 ab	2827 a-f	512 abc
N03006J	1.9	1.3	71 h-l	5.30	50 a-e	9.5	2.8	3.5	61 a-e	77 a-i	17.74 abc	2763 a-g	484 a-e
N03020E	1.1	0.8	49 o	5.25	37 i-n	10.1	2.3	3.8	59 a-g	76 c-k	16.59 a-d	1880 d-n	308 b-k
N03023EF	1.6	1.1	65 klm	5.20	44 a-l	5.3	3.5	7.8	58 a-h	75 f-l	12.78 a-g	2151 a-l	272 c-k
N03081T	1.1	1.1	59 mn	5.40	38 h-n	7.7	3.5	2.0	62 a-d	75 d-k	17.83 ab	2719 a-h	481 a-e
N03088T	0.8	0.8	80 c-h	5.20	47 a-h	9.5	4.1	2.0	60 a-g	75 d-k	17.79 abc	3428 a	607 a
N03089T	0.9	1.3	82 b-g	5.30	46 a-j	8.4	2.8	5.2	59 a-g	76 b-k	15.29 a-f	3336 abc	504 a-d
N03090T	0.9	1.0	88 abc	5.15	53 ab	6.6	3.0	1.1	64 ab	75 f-k	18.39 a	3394 ab	621 a
N03091T	0.7	0.9	83 a-f	5.25	53 a	8.1	2.8	2.5	63 ab	77 a-h	18.33 a	2933 a-e	533 ab
VT 023015	1.4	1.4	75 f-j	5.10	44 a-l	8.1	2.7	7.7	57 a-h	76 c-k	12.82 a-g	2115 b-m	268 c-k
VT 024044	5.4	1.0	55 no	5.25	40 e-n	7.9	2.0	5.5	61 a-d	77 a-g	15.29 a-f	1081 lmn	164 h-k
VT 024060	2.1	0.9	70 h-l	5.30	48 a-g	7.3	3.5	2.2	63 abc	76 b-k	18.02 ab	2651 a-i	475 a-e
VT 024077	1.0	1.0	71 h-l	5.40	38 h-n	8.9	2.8	2.8	59 a-h	73 klm	16.55 a-d	2080 c-m	339 b-k
Mean	2.2	1.3	73	5.27	42	8.3	2.8	5.6	59	76	14.91	1868	287
CV (%)[4]			6		10				6	2	16	28	36

[1] Planted on May 19, dug on October 13, and combined on October 20.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 19. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.3	1.3	78 a-e	5.90	28 m-p	2.2	2.3	2.3	65 a-d	71 a-i	16.85 a-f	2618 abc	437 a-f
Gregory	1.3	2.7	83 a-d	6.10	39 b-k	3.4	1.7	4.5	58 d-m	67 g-k	14.58 a-j	2993 abc	426 a-f
NC 12C	1.9	1.4	79 a-e	5.90	40 b-j	3.0	0.9	2.5	67 abc	73 a-d	17.74 a-d	3311 abc	580 a-d
VA 98R	1.0	1.2	68 b-e	6.20	28 m-p	4.9	1.6	5.5	59 c-l	71 a-h	14.18 a-j	3075 abc	436 a-f
Wilson	0.6	0.6	86 abc	6.25	30 i-p	3.3	1.3	3.0	61 b-k	68 d-j	15.99 a-h	3048 abc	486 a-f
Perry	1.0	2.6	67 cde	6.05	41 b-i	3.4	1.4	2.9	65 a-d	73 a-f	17.00 a-f	2904 abc	499 a-f
CHAMPS	0.9	1.4	85 abc	5.80	30 i-p	3.3	1.5	1.9	65 a-d	71 a-i	17.19 a-e	3732 a	643 a
Phillips	1.0	0.6	80 a-e	6.00	43 a-g	2.3	0.9	1.8	66 abc	71 a-i	17.62 a-d	2970 abc	520 a-e
N99103ol(9)	0.8	0.8	77 a-e	6.40	23 pq	3.5	1.5	4.3	62 a-i	72 a-h	15.41 a-i	2728 abc	419 a-f
VT 976133	2.4	1.4	79 a-e	5.90	28 l-p	3.2	2.6	6.3	55 f-m	67 f-k	12.33 g-j	2811 abc	343 b-f
Brantley	1.9	1.1	79 a-e	5.75	43 a-g	4.7	0.7	4.1	62 a-j	71 a-i	16.09 a-h	2831 abc	451 a-f
N00098ol(Gre)	1.9	1.5	84 a-d	6.05	15 q	4.8	2.5	4.6	55 h-m	66 h-l	13.70 c-j	2898 abc	394 a-f
N00035J	0.8	2.3	86 abc	5.90	37 d-n	2.5	2.7	4.9	51 lm	61 l	11.98 hij	2999 abc	407 a-f
N01054	0.7	2.0	85 abc	5.85	37 d-n	2.3	2.0	3.9	60 c-k	68 e-j	15.22 a-i	2515 abc	382 a-f
N01083	0.9	1.7	79 a-e	6.00	34 e-o	4.3	1.7	5.9	56 e-m	68 f-k	12.83 e-j	3263 abc	415 a-f
VT 003069	2.7	1.5	82 a-d	6.00	33 f-p	4.8	0.9	3.4	66 a-d	75 ab	17.49 a-d	3219 abc	554 a-d
VT 003126	0.5	0.6	82 a-d	6.20	39 b-k	2.6	1.0	1.5	68 ab	73 a-e	18.03 abc	3512 ab	632 ab
VT 003159	1.5	3.0	83 a-d	6.00	28 m-p	2.7	3.2	6.7	50 m	63 kl	10.69 j	2120 c	224 f
VT 003167	1.1	1.0	81 a-d	6.00	33 f-p	3.0	1.3	3.2	65 a-d	72 a-g	16.95 a-f	3122 abc	526 a-e
VT 003181	1.0	2.1	88 abc	6.00	29 k-p	2.4	2.2	5.4	56 e-m	66 i-l	12.60 f-j	2724 abc	356 a-f
VT 004100	1.7	2.0	82 a-d	6.20	31 h-p	1.5	2.0	3.7	62 a-i	69 b-i	15.47 a-i	2712 abc	414 a-f
VT 004123	1.1	1.3	83 a-d	5.65	38 c-m	3.3	2.0	5.9	58 d-m	69 c-j	13.33 d-j	2833 abc	397 a-f
VT 004178	0.9	2.2	88 ab	5.95	38 d-n	1.5	2.0	6.3	54 i-m	64 jkl	11.23 ij	3017 abc	346 b-f
N01013T	1.6	0.9	79 a-e	5.95	43 a-g	4.6	1.3	1.5	67 abc	74 abc	18.39 a	3536 ab	643 a
N02005	1.0	0.9	84 abc	6.20	49 abc	2.7	1.5	1.4	67 abc	73 a-g	17.96 abc	3013 abc	538 a-e
N02006	1.3	2.5	84 abc	6.00	38 c-m	2.3	2.6	5.8	53 klm	64 jkl	11.94 hij	2103 c	249 ef

[1] Planted on May 12, dug on September 28, and combined on October 18.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 19. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N	1.4	1.5	82 a-d	5.65	44 a-f	2.5	2.2	1.9	64 a-f	70 a-i	17.04 a-f	2981 abc	504 a-f
N02009	1.0	1.0	80 a-e	6.15	49 ab	2.5	0.8	1.9	68 ab	73 a-d	18.17 abc	3296 abc	595 a-d
N02010	0.8	1.0	89 a	5.80	52 a	3.3	1.4	1.5	66 a-d	72 a-g	17.90 abc	3607 ab	649 a
N02020J	1.0	2.2	88 ab	6.10	42 b-h	2.8	2.3	4.7	56 e-m	66 i-l	13.81 b-j	2421 bc	333 c-f
N02060ol(Per)	1.8	2.2	71 a-e	5.75	34 f-p	2.8	1.2	2.0	69 a	75 a	18.25 ab	2341 bc	424 a-f
VT 003193	1.3	1.4	74 a-e	5.95	30 j-p	3.0	1.0	5.3	63 a-g	72 a-g	14.88 a-j	3145 abc	463 a-f
VT 003194	1.6	0.7	87 abc	5.95	38 d-n	5.8	0.9	2.3	65 a-d	74 abc	17.76 a-d	3482 ab	611 abc
VT 004167	0.4	2.2	84 abc	6.05	25 op	4.5	2.4	3.2	54 j-m	64 jkl	14.52 a-j	2529 abc	365 a-f
VT 004180	1.1	1.1	82 a-d	5.95	39 b-l	2.6	1.3	3.0	65 a-d	72 a-h	16.57 a-g	3516 ab	583 a-d
VT 024051	1.2	1.3	63 de	5.80	32 g-p	5.8	1.8	3.3	63 a-h	73 a-d	17.07 a-f	3078 abc	522 a-e
N03005J	0.7	0.9	71 a-e	5.80	31 h-p	4.3	1.3	1.2	66 abc	73 a-e	17.99 abc	3314 abc	596 a-d
N03006J	1.5	1.2	40 f	6.25	45 a-e	2.9	0.9	2.8	67 abc	73 a-d	17.16 a-e	3070 abc	527 a-e
N03020E	0.6	1.4	60 e	5.85	32 g-p	7.1	1.1	4.5	60 b-k	73 a-d	15.85 a-h	2799 abc	445 a-f
N03023EF	1.5	1.4	73 a-e	6.20	29 k-p	3.8	1.9	6.9	55 g-m	68 f-k	11.58 hij	2805 abc	318 def
N03081T	0.3	1.3	80 a-e	6.00	37 d-n	3.7	1.8	1.2	64 a-e	71 a-i	17.40 a-d	3412 ab	600 a-d
N03088T	0.6	2.0	78 a-e	5.65	37 d-n	4.4	1.5	4.4	60 b-k	71 a-i	15.45 a-i	2633 abc	408 a-f
N03089T	0.7	1.3	84 a-d	5.80	43 a-f	3.4	0.9	1.9	67 abc	73 a-d	18.03 abc	3597 ab	645 a
N03090T	0.6	1.2	82 a-d	6.00	42 b-h	4.8	1.0	2.7	65 a-d	73 a-d	17.67 a-d	3377 abc	599 a-d
N03091T	0.8	0.9	83 a-d	6.20	45 a-d	4.8	1.0	2.3	66 abc	74 ab	18.17 abc	3075 abc	558 a-d
VT 023015	1.3	1.9	75 a-e	6.15	27 nop	3.6	1.9	4.2	61 a-k	71 a-i	15.31 a-i	2597 abc	396 a-f
VT 024044	1.1	1.0	71 a-e	6.25	31 i-p	4.6	0.9	9.4	58 d-m	72 a-g	12.04 hij	3137 abc	381 a-f
VT 024060	0.9	0.9	77 a-e	5.65	31 h-p	3.5	1.0	1.8	67 abc	73 a-d	17.92 abc	2944 abc	525 a-e
VT 024077	0.6	1.5	77 a-e	6.00	24 opq	4.2	1.7	3.3	61 b-k	70 a-i	15.73 a-i	2893 abc	453 a-f
Mean	1.1	1.5	79	5.98	35	3.5	1.6	3.6	62	70	15.69	2993	474
CV (%)[4]			11		12				5	3	12	17	25

[1] Planted on May 12, dug on September 28, and combined on October 18.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 20. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.8	0.8	74 j-o	5.80	40 i-n	4.3	2.3	2.0	64 a-d	72 a-j	17.48 a-f	3518 a-f	618 a-e
Gregory	2.5	1.5	81 a-m	5.50	48 b-l	3.2	2.2	3.8	61 a-d	70 f-k	15.49 d-g	2768 def	443 de
NC 12C	4.6	0.8	79 b-m	5.50	53 a-g	5.9	0.7	2.3	67 abc	76 a-d	18.61 a-d	3485 a-f	635 a-e
VA 98R	2.3	0.8	71 mno	5.70	37 lmn	5.1	1.8	3.0	63 a-d	73 a-j	16.77 a-g	3148 c-f	532 b-e
Wilson	1.5	0.4	82 a-l	5.60	37 k-n	4.7	1.4	2.3	62 a-d	71 d-k	16.94 a-f	3342 a-f	564 b-e
Perry	3.0	1.2	68 nop	5.60	49 b-l	5.9	1.1	1.3	68 abc	76 a-d	18.93 abc	2869 def	537 b-e
CHAMPS	2.3	0.6	83 a-k	5.65	43 f-n	4.0	0.9	1.3	69 ab	75 a-g	18.74 a-d	3433 a-f	634 a-e
Phillips	2.2	0.5	76 f-o	5.55	51 a-i	5.5	1.1	2.2	65 a-d	74 a-h	17.99 a-f	3444 a-f	614 a-e
N99103ol(9)	1.6	0.5	77 e-n	5.85	38 k-n	6.3	1.2	3.0	64 a-d	74 a-h	17.57 a-f	2801 def	489 cde
VT 976133	3.5	0.9	74 i-o	5.50	37 lmn	3.9	2.0	6.5	61 a-d	73 a-i	13.53 g	3001 c-f	397 e
Brantley	4.4	0.9	83 a-k	5.55	52 a-i	5.7	1.5	2.9	61 a-d	71 b-k	17.02 a-f	2782 def	460 cde
N00098ol(Gre)	3.4	0.9	88 a-d	5.60	45 c-n	4.8	1.5	2.5	62 a-d	71 a-k	17.16 a-f	4120 abc	693 a-d
N00035J	1.3	1.1	90 a	5.50	48 c-l	3.7	2.3	3.7	57 d	66 k	14.80 efg	2892 def	425 de
N01054	0.7	0.8	82 a-l	5.50	50 b-j	4.7	1.4	1.9	63 a-d	71 a-k	17.45 a-f	3406 a-f	598 a-e
N01083	1.2	1.0	75 g-o	5.65	42 g-n	4.9	2.8	3.8	56 d	67 jk	14.60 fg	2901 def	443 de
VT 003069	2.5	0.5	83 a-k	5.65	46 c-n	4.7	0.6	1.6	70 a	77 a	19.11 ab	3830 a-d	722 abc
VT 003126	1.9	0.6	82 a-l	5.50	52 a-h	3.0	1.9	1.1	67 abc	73 a-i	18.36 a-d	3734 a-e	690 a-d
VT 003159	0.8	0.8	90 a	5.65	44 d-n	3.8	2.3	3.0	58 cd	68 ijk	15.93 b-g	3297 b-f	522 cde
VT 003167	2.0	1.6	78 d-m	5.70	40 i-n	3.6	3.2	2.6	61 a-d	71 c-k	16.08 b-g	2971 def	499 cde
VT 003181	1.8	0.8	89 ab	5.55	35 mn	4.9	2.3	3.0	59 cd	69 h-k	16.10 b-g	3379 a-f	539 b-e
VT 004100	1.6	0.9	85 a-g	5.70	47 c-m	3.3	0.9	2.0	67 abc	74 a-h	18.17 a-e	3307 b-f	595 a-e
VT 004123	2.0	0.9	83 a-k	5.65	53 a-g	4.7	1.1	1.5	67 abc	74 a-h	18.50 a-d	3520 a-f	648 a-e
VT 004178	1.9	0.8	89 ab	5.40	55 a-e	3.5	0.9	4.4	63 a-d	72 a-k	15.51 c-g	3726 a-e	572 b-e
N01013T	2.3	0.9	79 b-m	5.60	46 c-n	8.1	1.6	1.2	62 a-d	73 a-i	18.00 a-f	3652 a-f	654 a-e
N02005	2.3	0.5	80 a-m	5.45	55 a-e	4.1	1.4	2.0	65 a-d	72 a-j	17.82 a-f	3164 c-f	556 b-e
N02006	2.0	0.8	85 a-h	5.65	52 a-i	4.1	2.4	2.2	62 a-d	70 e-k	17.07 a-f	3060 c-f	518 cde

[1] Planted on May 13, dug on October 18, and combined on November 3.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 20. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.0	0.9	78 d-m	5.80	51 a-i	4.6	2.0	2.0	64 a-d	73 a-j	17.68 a-f	3010 c-f	536 b-e
N02009	2.7	0.9	81 a-m	5.60	56 a-d	4.1	1.6	2.7	65 a-d	73 a-i	17.21 a-f	3109 c-f	554 b-e
N02010	3.0	0.6	87 a-e	5.65	62 a	3.5	1.4	0.9	68 abc	74 a-h	$18.81 a-d	3435 a-f	636 a-e
N02020J	1.6	1.2	90 a	5.45	53 a-g	3.7	2.1	2.4	61 a-d	69 g-k	16.83 a-g	3839 a-d	648 a-e
N02060ol(Per)	1.5	1.2	68 nop	5.80	44 d-n	3.5	1.4	1.5	70 a	76 a-d	18.93 abc	2698 ef	506 cde
VT 003193	1.8	0.6	85 a-g	5.60	40 h-n	5.3	1.0	4.3	64 a-d	74 a-h	16.45 a-g	3472 a-f	568 b-e
VT 003194	1.5	0.6	88 abc	5.55	42 g-n	8.7	0.8	2.8	63 a-d	75 a-g	17.87 a-f	3618 a-f	640 a-e
VT 004167	1.1	0.4	89 ab	5.55	46 c-m	4.1	1.5	2.5	61 a-d	70 g-k	16.02 b-g	3760 a-e	613 a-e
VT 004180	2.8	0.6	84 a-j	5.70	46 c-n	7.7	1.5	2.8	62 a-d	74 a-h	17.53 a-f	3372 a-f	583 b-e
VT 024051	3.2	0.7	59 p	5.70	37 k-n	6.8	1.3	3.7	65 a-d	77 ab	17.26 a-f	3121 c-f	544 b-e
N03005J	2.3	0.4	75 h-o	5.50	44 e-n	4.9	1.0	0.8	69 ab	76 a-e	19.04 ab	3496 a-f	657 a-e
N03006J	1.5	0.4	73 k-o	5.60	54 a-g	5.1	0.8	1.6	69 ab	76 a-d	19.18 ab	3519 a-f	668 a-d
N03020E	1.6	0.6	61 p	5.80	38 j-n	9.4	1.5	3.7	60 bcd	74 a-h	17.03 a-f	3002 c-f	506 cde
N03023EF	2.7	0.9	81 a-m	5.45	46 c-n	6.6	1.5	3.7	61 a-d	73 a-j	16.93 a-f	3621 a-f	607 a-e
N03081T	1.4	0.7	72 l-o	5.60	44 d-n	3.5	2.3	1.0	66 abc	73 a-i	18.14 a-e	3710 a-e	676 a-d
N03088T	1.1	0.3	85 a-g	5.60	55 a-f	6.3	1.0	1.8	67 abc	76 a-d	18.95 ab	3436 a-f	646 a-e
N03089T	2.2	0.7	86 a-f	5.65	51 a-i	6.3	0.8	3.4	65 a-d	75 a-g	17.45 a-f	3217 c-f	556 b-e
N03090T	1.8	0.6	84 a-j	5.45	57 abc	5.9	1.2	1.3	67 abc	75 a-f	18.91 a-d	3362 a-f	629 a-e
N03091T	0.9	0.5	85 a-g	5.55	60 ab	5.7	0.7	0.7	70 a	77 abc	19.57 a	4451 a	865 a
VT 023015	1.6	0.9	82 a-l	5.60	49 b-k	5.4	1.1	1.1	65 a-d	73 a-j	18.31 a-d	4372 ab	795 ab
VT 024044	5.1	0.6	67 op	5.60	34 n	3.4	0.9	3.4	67 abc	75 a-g	17.36 a-f	2580 f	437 de
VT 024060	1.9	0.9	84 a-i	5.70	45 c-n	4.2	1.7	2.3	65 a-d	73 a-j	17.55 a-f	3376 a-f	585 b-e
VT 024077	1.3	0.5	78 c-m	5.45	38 k-n	4.7	1.8	1.9	63 a-d	72 a-k	17.44 a-f	3705 a-f	645 a-e
Mean	2.1	0.8	80	5.60	46	5.0	1.5	2.4	64	73	17.43	3364	586
CV (%)[4]			5		11				6	3	8	14	19

[1] Planted on May 13, dug on October 18, and combined on November 3.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 21. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.1	1.9	84 jkl	6.15	31 klm	2.2	3.0	0.3	65 e-n	70 c-k	$17.22 f-p	5051 a-d	869 a-d
Gregory	0.4	2.3	95 abc	6.05	46 a-f	1.4	2.2	0.8	64 h-n	69 i-n	17.13 h-p	5388 a-d	921 a-d
NC 12C	0.9	1.3	90 c-i	6.05	49 a-d	1.4	1.6	0.6	68 a-h	72 a-f	18.10 a-i	5325 a-d	958 a-d
VA 98R	0.1	1.6	88 h-k	6.15	38 g-m	2.0	2.3	0.1	67 a-l	71 a-i	17.77 a-m	5575 ab	990 abc
Wilson	0.1	1.3	91 b-i	6.70	32 j-m	1.0	2.3	0.1	64 j-n	67 mno	16.68 nop	5255 a-d	876 a-d
Perry	0.7	3.0	87 ijk	6.10	39 e-j	0.8	2.5	0.3	67 a-l	70 c-j	17.53 b-o	5073 a-d	886 a-d
CHAMPS	0.6	1.8	90 c-i	6.20	39 f-k	0.8	2.3	0.0	68 a-i	71 b-j	17.75 a-m	5567 ab	984 abc
Phillips	0.1	1.1	93 a-h	6.40	41 d-i	1.8	2.8	0.2	65 d-m	70 e-l	17.42 c-o	5420 a-d	944 a-d
N99103ol(9)	0.3	0.9	81 lm	6.20	30 lm	1.7	2.6	0.4	67 a-l	72 a-f	17.61 b-o	5364 a-d	943 a-d
VT 976133	0.4	1.4	88 h-k	5.95	44 b-h	1.5	1.5	0.1	69 abc	72 a-e	18.30 a-e	5055 a-d	924 a-d
Brantley	1.0	1.4	95 abc	6.00	50 ab	1.5	2.2	0.2	66 c-m	69 f-m	17.51 b-o	5234 a-d	911 a-d
N00098ol(Gre)	0.3	1.1	92 a-i	6.50	41 d-i	1.3	3.0	0.3	64 g-n	69 h-n	17.08 j-p	5688 a	972 abc
N00035J	0.4	1.5	97 a	5.95	51 ab	1.5	2.2	0.3	65 f-n	69 i-n	17.31 e-p	5312 a-d	917 a-d
N01054	0.2	1.3	95 a-d	6.05	42 c-i	1.2	1.7	0.2	66 b-m	69 g-n	17.38 d-o	5240 a-d	910 a-d
N01083	0.2	1.6	95 abc	5.85	42 c-i	2.1	3.1	1.9	58 o	65 o	15.59 q	5371 a-d	840 bcd
VT 003069	0.3	1.6	94 a-e	6.25	49 a-d	1.8	1.6	0.0	70 a	74 a	18.74 a	5595 ab	1046 a
VT 003126	0.3	0.9	90 c-i	6.20	42 c-i	2.2	2.0	0.0	69 a-d	73 ab	18.42 ab	5452 a-d	1003 ab
VT 003159	0.2	1.9	96 ab	6.20	44 b-h	0.9	2.7	0.9	63 lmn	68 k-n	16.79 m-p	5493 a-d	922 a-d
VT 003167	0.1	1.8	96 ab	6.15	38 f-l	1.5	3.3	1.3	63 mn	69 j-n	16.65 op	5270 a-d	877 a-d
VT 003181	0.3	1.2	96 ab	6.10	41 d-i	2.5	1.9	0.1	66 c-m	70 d-k	17.63 b-o	5491 a-d	966 abc
VT 004100	0.3	1.7	96 ab	6.65	38 g-m	0.6	2.0	0.3	66 b-m	69 h-n	17.17 g-p	5216 a-d	894 a-d
VT 004123	0.4	2.3	94 a-e	5.95	43 b-h	1.4	2.7	0.2	66 b-m	70 e-l	17.45 b-o	5497 a-d	957 a-d
VT 004178	0.4	2.0	97 a	6.20	47 a-e	1.0	1.9	0.9	64 k-n	67 l-o	16.88 k-p	5465 a-d	919 a-d
N01013T	0.3	2.0	95 abc	6.35	47 a-e	2.2	2.1	0.3	67 a-l	71 a-h	17.93 a-j	5506 abc	991 abc
N02005	0.3	1.1	94 a-e	6.65	50 ab	0.8	2.5	0.3	68 a-j	71 a-h	17.92 a-j	5485 a-d	982 abc
N02006	0.3	1.6	96 ab	6.70	49 a-d	1.0	2.4	0.4	65 e-m	69 g-n	17.31 e-p	5107 a-d	882 a-d

[1] Planted on May 11, dug on September 11, and combined on October 1.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 21. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	0.2	1.6	97 a	6.10	46 a-f	1.1	1.6	0.0	68 a-f	71 b-j	18.02 a-j	5572 ab	1002 ab
N02009	0.3	1.5	95 a-d	6.60	50 abc	1.0	2.5	0.2	67 a-l	71 c-j	17.76 a-m	5595 ab	992 abc
N02010	0.6	1.6	96 ab	6.10	53 a	0.3	1.8	0.3	69 abc	71 a-h	$18.15 a-g	5491 a-d	992 abc
N02020J	0.3	2.0	97 a	6.30	48 a-d	1.6	2.7	0.9	63 mn	68 k-n	16.83 l-p	4993 a-d	839 bcd
N02060ol(Per)	0.2	2.7	93 a-g	6.70	36 h-m	0.6	3.5	0.4	64 i-n	69 i-n	16.80 m-p	4608 cd	773 d
VT 003193	0.3	1.5	94 a-f	6.00	30 m	1.5	2.3	0.3	67 a-l	71 b-j	17.48 b-o	5725 a	999 abc
VT 003194	0.4	1.1	93 a-g	6.25	38 f-l	2.5	1.5	0.1	68 a-g	72 a-e	18.21 a-f	5572 ab	1012 ab
VT 004167	0.2	1.3	96 ab	6.40	37 h-m	2.0	2.8	0.8	61 no	67 no	16.38 pq	5125 a-d	839 bcd
VT 004180	0.3	1.8	93 a-g	5.95	43 b-h	1.6	1.6	0.2	68 a-h	72 a-g	18.05 a-j	5534 ab	998 abc
VT 024051	0.4	1.1	80 lm	6.25	41 d-i	0.8	1.9	0.3	71 a	73 ab	18.41 abc	5189 a-d	952 a-d
N03005J	0.2	1.1	67 o	6.20	34 i-m	2.1	2.6	0.2	68 a-f	73 ab	18.13 a-h	5337 a-d	966 abc
N03006J	0.1	1.8	89 f-j	6.20	50 abc	0.6	2.0	0.1	70 ab	72 a-e	18.27 a-e	5719 a	1044 a
N03020E	0.3	1.1	75 n	5.95	33 j-m	2.3	1.8	0.1	68 a-h	72 a-e	18.06 a-j	4603 cd	830 bcd
N03023EF	0.2	1.5	88 g-k	6.65	43 b-h	1.1	2.4	0.3	67 a-l	71 c-j	17.61 b-o	5282 a-d	928 a-d
N03081T	0.3	1.3	84 klm	6.45	37 h-m	1.0	2.8	0.3	67 a-l	71 b-j	17.53 b-o	4895 a-d	857 a-d
N03088T	0.4	1.5	89 e-i	6.10	36 h-m	1.0	2.8	0.2	67 a-l	71 a-h	17.66 b-n	5124 a-d	904 a-d
N03089T	0.2	1.9	88 g-k	6.20	38 g-m	1.5	3.0	0.1	67 a-l	71 a-h	17.67 b-n	4586 d	810 cd
N03090T	0.2	1.6	90 d-i	6.00	43 b-h	1.0	3.2	0.2	67 a-k	72 a-f	17.84 a-k	5155 a-d	919 a-d
N03091T	0.2	1.3	89 f-j	5.85	44 b-h	1.5	2.8	0.0	68 a-f	73 a-d	18.17 a-g	5129 a-d	931 a-d
VT 023015	0.1	0.4	93 a-g	6.40	41 d-i	1.4	2.0	0.3	67 a-k	71 b-j	17.82 a-l	5135 a-d	914 a-d
VT 024044	0.8	0.6	79 m	6.30	46 a-g	0.9	1.4	0.4	70 a	73 abc	18.34 a-d	4750 bcd	867 a-d
VT 024060	0.3	2.0	94 a-f	6.35	43 b-h	0.6	2.0	0.4	68 a-e	71 a-h	17.90 a-j	5644 ab	1009 ab
VT 024077	0.2	1.4	89 e-i	6.10	33 j-m	2.2	2.7	0.3	64 i-n	69 f-m	17.11 i-p	5145 a-d	880 a-d
Mean	0.3	1.5	91	6.23	42	1.4	2.3	0.3	66	70	17.58	5294	929
CV (%)[4]			2		8				2	2	2	7	8

[1] Planted on May 11, dug on September 11, and combined on October 1.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 22. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.8	0.5	79 klm	6.15	43 i	2.1	4.2	0.3	67 c-k	73 g-m	$17.99 b-h	6370 abc	1139 a-e
Gregory	1.5	0.3	96 abc	5.95	58 a-d	3.3	2.0	1.6	66 f-k	73 j-o	18.05 b-h	6637 ab	1188 abc
NC 12C	2.5	0.9	84 h-k	6.05	53 b-h	3.8	3.0	1.5	66 g-k	74 d-l	18.24 a-h	5776 bcd	1037 c-f
VA 98R	0.5	0.3	81 jkl	5.95	49 e-i	4.3	2.4	0.7	67 c-k	74 d-k	18.48 a-h	6253 a-d	1152 a-e
Wilson	0.3	0.3	85 g-k	6.00	45 hi	2.6	2.7	0.8	65 h-k	71 op	17.63 f-i	6269 abc	1104 a-e
Perry	0.3	0.6	84 h-k	6.05	48 ghi	3.5	2.7	0.4	68 b-k	74 b-j	18.57 a-g	6194 a-d	1148 a-e
CHAMPS	0.5	0.5	87 d-j	6.50	51 c-h	1.4	1.9	0.5	71 abc	74 b-j	18.77 a-g	6331 abc	1185 abc
Phillips	0.4	0.3	87 d-j	6.20	57 a-f	1.8	2.2	1.0	69 a-h	74 c-j	18.62 a-g	6073 a-d	1128 a-e
N99103ol(9)	0.3	0.3	84 h-k	6.25	54 b-g	3.3	1.5	0.3	70 a-e	76 bcd	19.17 abc	6236 a-d	1194 abc
VT 976133	1.5	0.3	86 f-k	5.95	54 a-g	2.9	1.7	1.1	69 a-i	75 b-i	18.79 a-g	5583 cde	1039 c-f
Brantley	1.4	0.3	93 a-f	5.95	57 a-e	2.5	1.8	0.6	68 b-k	73 i-n	18.50 a-h	6002 a-d	1101 a-f
N00098ol(Gre)	0.6	0.3	91 a-h	5.90	55 a-g	3.0	2.0	2.7	66 f-k	73 f-m	17.14 hi	6220 a-d	1063 b-f
N00035J	0.7	0.4	98 a	6.05	58 a-d	3.2	1.9	1.8	65 jk	71 nop	17.74 d-i	6588 ab	1164 a-e
N01054	0.3	0.3	96 abc	5.75	58 a-d	3.0	2.0	0.4	68 b-k	73 h-n	18.57 a-g	6663 a	1235 ab
N01083	0.4	0.3	93 a-f	5.90	55 a-g	2.8	2.0	2.3	65 h-k	72 l-p	17.56 ghi	6339 abc	1111 a-e
VT 003069	0.5	0.6	91 a-i	5.85	58 a-d	3.5	2.6	0.9	71 abc	78 a	19.46 a	6410 abc	1243 ab
VT 003126	0.4	0.7	87 d-j	6.10	49 f-i	2.6	2.8	1.1	67 b-k	74 d-l	18.25 a-h	6187 a-d	1126 a-e
VT 003159	0.6	0.3	93 a-f	6.35	54 a-g	2.7	2.2	2.8	64 k	72 m-p	16.66 i	6286 abc	1041 c-f
VT 003167	0.4	0.6	91 a-h	5.90	49 f-i	2.5	3.6	1.0	65 ijk	72 l-p	17.63 f-i	6203 a-d	1091 a-f
VT 003181	1.0	0.2	96 ab	5.90	55 a-g	2.0	2.1	0.8	69 a-i	74 d-l	18.60 a-g	6214 a-d	1149 a-e
VT 004100	0.3	0.6	96 abc	6.10	50 d-i	2.8	3.0	0.8	65 g-k	72 l-p	17.89 c-i	6275 abc	1121 a-e
VT 004123	1.7	0.7	94 a-e	5.90	54 b-g	1.6	3.3	0.6	66 d-k	72 m-p	17.89 c-i	5610 cde	992 def
VT 004178	0.4	0.6	96 abc	6.05	59 abc	2.2	1.8	0.9	67 b-k	72 m-p	18.17 a-h	5826 a-d	1056 b-f
N01013T	0.9	0.5	93 a-f	6.05	59 abc	2.8	1.9	0.3	69 a-h	74 c-j	18.90 a-g	6281 abc	1181 a-d
N02005	0.3	0.3	94 a-d	6.05	58 a-d	4.1	2.3	0.5	68 b-k	75 b-h	18.91 a-g	6372 abc	1203 abc
N02006	0.7	0.3	95 abc	5.95	57 a-e	2.8	2.8	1.0	66 e-k	73 j-o	18.17 a-h	6126 a-d	1109 a-e

[1] Planted on May 11, dug on October 6, and combined on October 1

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 22. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.4	0.4	93 a-f	6.00	58 abc	3.4	2.3	0.3	68 b-k	74 c-j	18.81 a-g	5975 a-d	1114 a-e
N02009	0.6	0.3	93 a-f	6.05	62 a	2.0	2.5	0.4	70 a-e	75 b-f	19.08 a-d	6040 a-d	1147 a-e
N02010	1.0	0.4	94 a-e	5.90	60 ab	2.2	2.2	1.3	69 b-j	74 c-j	18.62 a-g	6416 abc	1187 abc
N02020J	0.9	0.8	96 ab	6.00	57 a-f	2.1	2.8	1.4	66 f-k	72 k-p	17.94 b-i	6587 ab	1175 a-d
N02060ol(Per)	0.3	0.8	91 a-h	6.15	49 e-i	2.0	3.3	0.6	68 b-k	73 g-m	18.21 a-h	5393 de	980 ef
VT 003193	0.3	0.4	89 b-i	5.85	51 c-h	3.3	2.1	0.5	69 a-g	75 b-e	18.94 a-f	6525 ab	1235 ab
VT 003194	1.2	0.4	89 c-i	6.10	45 hi	3.5	3.3	0.6	67 b-k	74 b-j	18.39 a-h	5590 cde	1019 c-f
VT 004167	0.4	0.3	92 a-f	5.95	48 ghi	3.0	2.9	0.5	65 jk	71 p	17.66 e-i	6097 a-d	1074 a-f
VT 004180	1.4	0.3	91 a-h	6.00	54 a-g	2.2	1.3	1.8	70 a-f	75 b-g	18.71 a-g	5777 bcd	1071 a-f
VT 024051	0.8	0.6	79 klm	6.00	53 b-h	2.0	2.7	0.6	71 a-d	76 bc	18.99 a-f	6275 abc	1186 abc
N03005J	0.6	0.4	72 n	6.05	45 hi	3.5	2.8	0.7	69 a-h	76 ab	18.90 a-g	6679 a	1258 a
N03006J	0.2	0.2	84 h-k	6.05	55 a-g	2.1	2.5	0.3	71 ab	76 bc	19.16 abc	6286 abc	1203 abc
N03020E	0.3	0.3	74 mn	6.15	45 hi	3.3	3.8	0.4	67 b-k	75 b-j	18.40 a-h	6141 a-d	1128 a-e
N03023EF	0.9	0.4	84 ijk	6.20	52 b-h	2.5	2.9	1.6	67 c-k	74 d-l	18.07 b-h	6430 abc	1155 a-e
N03081T	0.9	0.4	80 j-m	6.00	49 e-i	1.7	3.3	0.3	68 b-j	74 d-l	18.35 a-h	6044 a-d	1103 a-e
N03088T	0.4	0.3	86 f-k	5.95	49 f-i	3.0	4.0	1.3	67 b-k	75 bcd	18.41 a-h	6261 a-d	1149 a-e
N03089T	0.6	0.2	86 f-k	6.25	49 e-i	2.9	4.3	0.7	67 b-k	75 b-h	18.40 a-h	6287 abc	1152 a-e
N03090T	0.4	0.2	87 e-j	6.15	49 f-i	2.5	3.8	0.6	67 b-k	74 c-j	18.34 a-h	5971 a-d	1093 a-f
N03091T	0.4	0.4	90 b-i	6.00	55 a-g	2.0	3.9	0.4	69 b-j	75 b-h	18.61 a-g	6331 abc	1176 a-d
VT 023015	1.2	0.7	91 a-i	6.10	57 a-e	1.7	1.8	0.7	71 ab	75 b-g	19.02 a-e	6196 a-d	1169 a-e
VT 024044	3.8	0.4	76 lmn	6.30	54 b-g	1.3	1.0	0.6	73 a	76 bc	19.30 ab	4850 e	915 f
VT 024060	0.8	0.6	92 a-g	6.30	50 d-i	2.3	3.0	0.8	67 b-k	73 h-m	18.19 a-h	6140 a-d	1112 a-e
VT 024077	0.4	0.4	87 e-j	6.20	42 i	4.4	2.5	0.5	66 e-k	74 e-m	18.28 a-h	6121 a-d	1116 a-e
Mean	0.8	0.4	88	6.05	52	2.7	2.6	0.9	68	74	18.39	6158	1127
CV (%)[4]			3		7				3	1	3	6	7

[1] Planted on May 11, dug on October 6, and combined on October 1

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 23. Grade characteristics, yield, and value of lines in Sampson County, North Carolina, Dig I – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.3	0.9	82 e-n	10.30	36 mno	0.3	0.9	1.8	71 a-f	74 a-j	18.15 a-d	4466 a-i	810 a-e
Gregory	1.0	0.6	87 b-k	9.90	58 abc	0.3	0.5	2.5	70 a-g	74 b-k	18.15 a-d	4886 a-d	881 a-d
NC 12C	2.8	1.5	80 g-o	8.85	51 a-k	0.6	0.6	1.2	72 a-d	75 a-g	18.81 a-d	3540 i	659 de
VA 98R	0.5	0.6	79 h-o	9.35	42 i-n	0.4	1.0	3.0	71 a-g	75 a-f	18.00 a-d	4425 a-i	795 a-e
Wilson	0.9	0.8	86 b-l	9.90	41 k-n	0.3	0.9	4.7	66 fg	71 j-m	15.37 b-e	4495 a-i	688 b-e
Perry	1.8	1.9	83 d-n	8.65	47 c-l	0.2	0.9	2.1	71 a-f	74 a-j	18.23 a-d	3585 ghi	649 de
CHAMPS	0.6	0.9	88 b-i	9.15	42 i-n	0.2	0.7	1.6	73 abc	75 a-g	18.56 a-d	4530 a-i	839 a-e
Phillips	0.8	0.4	85 c-m	9.40	52 a-j	0.6	0.6	3.8	69 a-g	74 a-j	16.77 a-d	3969 c-i	680 b-e
N99103ol(9)	0.3	0.4	78 i-o	9.90	40 lmn	0.8	0.9	5.3	67 c-g	74 a-j	15.25 cde	4203 b-i	640 de
VT 976133	0.9	0.3	76 l-o	8.65	45 f-m	0.8	0.5	4.3	71 a-g	76 a-e	16.86 a-d	4454 a-i	747 b-e
Brantley	1.4	1.6	90 b-g	7.45	53 a-h	1.4	0.6	1.8	70 a-g	74 a-j	18.52 a-d	3774 f-i	696 b-e
N00098ol(Gre)	1.2	0.6	90 b-g	8.30	47 d-l	0.9	0.7	3.0	71 a-g	75 a-g	18.09 a-d	4832 a-e	868 a-d
N00035J	1.0	2.3	94 bc	10.30	52 a-j	0.6	1.3	7.5	59 h	69 n	12.61 e	4140 b-i	556 e
N01054	0.6	0.8	95 bc	8.45	54 a-g	0.6	0.7	3.5	67 c-g	72 h-m	17.20 a-d	4630 a-g	794 a-e
N01083	0.3	0.5	94 bcd	8.70	56 a-f	0.7	0.6	4.2	66 efg	72 i-m	15.91 a-e	4385 b-i	711 b-e
VT 003069	0.9	1.2	88 b-j	9.10	46 e-m	0.9	0.6	3.7	71 a-e	77 a	17.44 a-d	4440 a-i	776 a-e
VT 003126	0.4	0.9	80 g-o	9.20	42 h-m	0.2	1.0	3.0	70 a-g	74 a-i	17.69 a-d	4508 a-i	798 a-e
VT 003159	0.9	0.8	93 bcd	9.30	47 d-l	0.4	0.6	4.6	65 fg	71 k-n	15.07 de	4596 a-h	687 b-e
VT 003167	0.7	1.0	90 b-g	10.80	46 d-l	0.3	1.0	2.0	70 a-g	73 d-k	17.94 a-d	4489 a-i	802 a-e
VT 003181	0.9	0.7	92 b-e	8.85	36 mno	0.9	0.5	4.5	67 b-g	73 e-l	15.39 a-e	4111 b-i	661 cde
VT 004100	1.1	0.9	91 b-f	9.70	48 b-l	0.4	0.7	4.0	68 a-g	73 f-m	15.51 a-e	4158 b-i	660 de
VT 004123	1.0	0.9	90 b-g	8.70	50 a-l	0.3	0.5	1.8	71 a-f	74 b-k	18.41 a-d	4559 a-i	834 a-e
VT 004178	0.5	0.6	94 bc	8.60	53 a-g	0.4	0.4	4.4	65 g	70 lmn	15.50 a-e	4132 b-i	648 de
N01013T	1.3	0.5	93 bcd	10.20	57 a-d	0.6	0.4	2.2	72 a-e	75 a-g	18.64 a-d	4753 a-f	880 a-d
N02005	1.1	0.8	90 b-g	10.20	60 a	0.1	0.4	2.8	73 abc	76 a-e	18.64 a-d	4819 a-f	894 a-d
N02006	0.9	0.6	94 bc	8.15	53 a-g	0.9	0.5	3.0	70 a-g	75 a-h	18.17 a-d	4424 a-i	800 a-e

[1] Planted on May 18, dug on September 26, and combined on October 5.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 23. Grade characteristics, yield, and value of lines in Sampson County, North Carolina, Dig I – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.6	0.7	94 bcd	9.65	55 a-f	0.1	0.5	4.2	70 a-g	75 a-g	16.59 a-d	4312 b-i	718 b-e
N02009	0.9	0.4	91 b-g	8.50	58 abc	0.9	0.8	2.9	72 a-e	76 ab	18.17 a-d	4923 abc	891 a-d
N02010	1.4	0.7	89 b-h	8.50	58 ab	0.6	0.7	1.6	73 a	76 a-d	19.09 abc	4890 a-d	925 a-d
N02020J	0.8	0.8	96 ab	9.65	60 a	0.4	0.4	4.7	68 a-g	73 e-l	16.24 a-e	4054 b-i	666 cde
N02060ol(Per)	0.3	1.4	87 b-k	10.10	49 b-l	0.3	1.5	1.7	71 a-e	75 a-g	18.48 a-d	3783 e-i	698 b-e
VT 003193	0.5	0.4	77 k-o	8.45	32 no	0.2	1.2	2.0	72 a-e	75 a-g	18.17 a-d	4643 a-f	841 a-e
VT 003194	0.5	0.4	88 b-j	8.85	41 j-n	0.6	0.9	0.6	73 a	75 a-g	18.93 a-d	4618 a-h	871 a-d
VT 004167	0.5	0.6	94 bc	9.70	48 b-l	0.4	0.6	2.5	67 d-g	70 mn	17.17 a-d	4688 a-f	803 a-e
VT 004180	0.6	0.6	78 j-o	10.30	45 f-m	0.6	0.7	3.7	71 a-f	76 a-d	17.40 a-d	4031 b-i	703 b-e
VT 024051	1.1	0.5	75 mno	8.80	43 g-m	0.6	0.7	3.8	72 a-e	77 a	18.11 a-d	4406 a-i	792 a-e
N03005J	0.4	0.6	73 no	8.85	46 e-m	1.0	1.4	1.0	73 a-d	76 a-e	19.01 abc	4875 a-d	926 a-d
N03006J	0.9	0.9	81 f-o	7.75	55 a-f	0.9	0.9	3.8	71 a-g	76 abc	18.17 a-d	3577 hi	646 de
N03020E	0.4	0.9	71 o	8.80	46 d-l	0.9	0.9	2.2	71 a-g	75 a-g	18.36 a-d	4721 a-f	867 a-d
N03023EF	0.6	0.6	89 b-h	9.25	56 a-e	0.5	0.7	2.9	69 a-g	73 c-k	17.87 a-d	3845 d-i	689 b-e
N03081T	0.9	1.0	76 mno	10.00	50 a-l	0.6	0.8	1.7	72 a-d	75 a-f	18.75 a-d	4060 b-i	764 a-e
N03088T	0.4	0.9	92 b-e	9.75	56 a-f	0.6	0.9	2.0	71 a-f	75 a-i	18.53 a-d	4627 a-h	855 a-d
N03089T	0.3	0.8	89 b-h	9.45	51 a-l	0.3	1.1	1.4	72 a-e	75 a-g	18.77 a-d	4781 a-f	896 a-d
N03090T	0.4	0.8	93 bcd	9.15	54 a-f	0.9	1.0	2.2	68 a-g	72 g-m	17.88 a-d	4726 a-f	843 a-e
N03091T	0.6	0.6	93 bcd	7.40	60 a	0.6	1.0	1.2	73 ab	76 a-e	19.22 ab	5055 ab	968 ab
VT 023015	0.6	0.4	92 b-e	9.90	56 a-f	0.8	0.3	1.0	73 a	75 a-f	19.26 a	5452 a	1046 a
VT 024044	1.1	0.4	76 mno	9.25	29 o	0.3	0.8	1.3	73 abc	75 a-g	18.44 a-d	4584 a-i	840 a-e
VT 024060	0.4	0.9	89 b-h	10.50	51 a-k	0.3	0.4	2.3	72 a-e	75 a-i	18.39 a-d	4586 a-i	844 a-e
VT 024077	0.2	0.6	91 b-f	10.20	52 a-i	0.6	0.6	0.9	73 abc	75 a-g	19.00 abc	4999 abc	949 abc
Mean	0.8	0.8	87	9.24	49	0.5	0.8	2.8	70	74	17.65	4440	786
CV (%)[4]			5		9				3	2	9	10	15

[1] Planted on May 18, dug on September 26, and combined on October 5.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 24. Grade characteristics, yield, and value of lines in Sampson County, North Carolina, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.4	1.4	67 lmn	5.70	33 opq	2.4	3.0	8.3	61 b-n	75 a-j	$11.80 g-n	2614 c-m	310 g-k
Gregory	1.5	1.3	87 a-f	5.55	48 c-l	2.9	1.4	11.4	58 h-o	74 b-m	10.56 j-n	2367 f-m	254 ijk
NC 12C	1.6	0.8	80 d-j	5.60	53 a-f	4.9	1.3	4.6	67 a-g	78 ab	17.05 a-f	4165 a-d	690 a-e
VA 98R	0.8	1.6	60 no	5.65	28 q	3.6	5.1	11.0	50 op	70 lmn	8.57 n	1640 j-m	143 k
Wilson	0.6	0.9	72 i-l	5.70	34 n-q	2.6	4.6	9.0	53 l-p	70 mn	10.13 j-n	2109 h-m	212 jk
Perry	0.8	1.7	63 l-o	5.55	46 c-m	3.0	2.4	4.9	65 a-h	76 a-j	15.94 a-h	2632 c-m	441 c-k
CHAMPS	0.7	1.0	78 e-j	5.35	42 f-p	3.5	2.3	6.3	63 a-k	75 a-j	14.23 b-l	2247 g-m	320 g-k
Phillips	0.4	0.5	72 i-l	5.80	51 a-j	4.4	1.9	6.6	63 a-k	76 a-j	14.44 a-k	2700 b-m	373 e-k
N99103ol(9)	0.4	0.9	70 j-m	5.60	37 l-q	5.5	1.9	10.0	57 h-o	75 a-j	11.03 i-n	2707 b-m	309 g-k
VT 976133	1.0	1.6	66 lmn	5.75	32 pq	3.8	4.6	15.9	49 p	73 g-m	9.07 mn	1517 lm	147 k
Brantley	1.9	0.9	80 d-j	5.45	51 a-i	3.3	2.3	7.1	62 a-k	75 a-j	13.06 d-n	2078 h-m	272 h-k
N00098ol(Gre)	2.5	1.3	80 d-j	5.45	40 j-p	4.1	2.0	9.5	60 d-n	75 a-j	11.31 h-n	1590 klm	177 jk
N00035J	0.8	0.9	94 ab	5.35	49 b-j	3.5	1.6	12.9	55 j-p	73 f-m	9.51 lmn	2615 c-m	247 ijk
N01054	0.3	1.0	89 a-d	5.45	45 d-n	3.7	2.5	10.1	56 i-p	72 i-m	10.26 j-n	2305 f-m	243 ijk
N01083	0.8	1.2	86 a-f	5.65	45 d-m	5.5	2.0	9.1	53 m-p	70 k-n	10.60 j-n	3294 a-j	377 e-k
VT 003069	1.1	1.2	80 d-j	5.60	42 f-p	3.1	2.3	7.8	64 a-h	78 a-d	13.27 d-n	1984 h-m	287 h-k
VT 003126	0.4	1.3	71 j-m	5.45	40 i-p	3.2	2.9	6.3	60 c-n	72 h-m	13.52 d-m	2081 h-m	281 h-k
VT 003159	0.8	0.5	89 a-e	5.40	40 i-p	4.6	2.2	13.4	53 m-p	73 e-m	9.33 mn	3247 a-k	303 g-k
VT 003167	0.8	1.4	79 d-j	5.45	41 h-p	3.3	3.3	3.7	62 a-m	72 h-m	16.51 a-g	2815 a-m	470 c-k
VT 003181	0.9	0.9	84 b-g	5.45	34 n-q	3.0	3.1	8.7	59 f-n	74 b-l	11.73 g-n	1960 h-m	242 ijk
VT 004100	1.0	0.9	83 c-i	5.55	43 f-p	4.5	2.2	6.8	62 a-m	75 a-j	13.70 c-m	2269 f-m	309 g-k
VT 004123	1.1	1.5	78 f-k	5.60	41 g-p	2.6	2.9	7.7	59 g-o	72 j-n	12.02 g-n	1712 i-m	215 jk
VT 004178	0.8	1.4	95 a	5.40	44 d-o	2.8	2.0	10.6	53 nop	68 n	9.89 k-n	2528 d-m	265 h-k
N01013T	1.2	0.9	83 c-i	5.65	51 a-i	4.7	1.8	5.2	66 a-h	78 abc	16.24 a-g	3121 a-l	494 b-j
N02005	1.0	0.6	85 a-f	5.65	61 a	4.3	1.3	2.3	70 a	78 a	19.30 a	3913 a-f	750 abc
N02006	0.6	1.4	89 a-e	5.45	53 a-f	3.5	1.8	7.2	62 a-k	75 a-j	13.10 d-n	2740 b-m	361 f-k

[1] Planted on May 18, dug on October 13, and combined on October 19.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 24. Grade characteristics, yield, and value of lines in Sampson County, North Carolina, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.0	1.3	83 b-h	5.60	52 a-h	4.2	1.5	5.9	64 a-h	76 a-i	14.74 a-k	4243 abc	667 a-f
N02009	1.0	0.6	83 c-i	5.55	55 a-e	5.3	1.5	5.6	65 a-h	77 a-g	15.83 a-i	3317 a-i	558 a-i
N02010	1.3	0.6	85 b-f	5.65	55 a-d	3.4	1.3	7.9	64 a-i	76 a-h	$13.31 d-n	2753 b-m	384 e-k
N02020J	0.6	1.3	92 abc	5.50	50 a-j	4.5	2.8	7.1	59 e-n	73 d-m	12.83 e-n	2847 a-m	357 f-k
N02060ol(Per)	0.3	1.3	79 d-j	5.80	43 f-p	3.1	1.8	4.5	65 a-h	75 a-j	16.31 a-g	2908 a-m	486 b-j
VT 003193	0.6	0.6	67 lmn	5.55	36 m-q	3.3	1.8	6.8	65 a-h	77 a-g	14.48 a-k	2417 f-m	352 f-k
VT 003194	1.0	2.5	72 jkl	5.45	37 k-q	4.9	2.8	6.9	61 c-n	75 a-j	13.55 c-m	1635 j-m	229 ijk
VT 004167	0.4	0.5	92 abc	5.50	48 b-k	4.2	1.4	6.8	61 b-n	73 c-m	13.74 c-m	2790 b-m	397 e-k
VT 004180	0.8	0.8	61 mno	5.55	40 j-p	5.7	1.9	6.0	62 a-l	76 a-j	14.72 a-k	1698 i-m	251 ijk
VT 024051	1.0	1.6	50 p	5.65	34 n-q	4.4	4.5	10.8	54 k-p	74 b-k	10.24 j-n	2205 g-m	225 ijk
N03005J	0.7	0.7	68 k-n	5.65	46 d-m	3.8	2.3	3.3	67 a-f	77 a-g	17.55 a-e	4149 a-d	739 abc
N03006J	1.4	1.0	66 lmn	5.65	51 a-i	3.7	1.8	6.2	66 a-h	77 a-e	15.60 a-i	2452 e-m	410 d-k
N03020E	0.4	0.9	61 mno	5.50	49 b-j	4.4	2.0	3.5	68 a-e	78 ab	17.80 a-d	3512 a-h	632 a-g
N03023EF	0.6	0.8	74 g-l	5.60	37 k-q	3.5	2.8	9.8	57 h-o	73 c-m	10.68 j-n	3160 a-l	339 f-k
N03081T	0.2	0.6	66 lmn	5.75	44 e-o	3.0	2.7	1.8	68 abc	76 a-j	18.41 abc	4337 ab	799 ab
N03088T	0.3	0.8	86 a-f	5.40	59 ab	4.4	2.0	2.4	68 a-d	77 a-g	18.85 ab	4330 ab	823 a
N03089T	0.2	0.6	86 a-f	5.60	57 abc	4.8	1.7	3.5	67 a-g	77 a-g	17.65 a-e	4457 a	796 ab
N03090T	0.2	0.6	85 b-f	5.40	54 a-e	6.3	2.0	3.4	64 a-i	76 a-i	17.93 a-d	4457 a	799 ab
N03091T	0.3	1.1	83 b-h	5.50	52 a-g	5.8	2.4	6.2	61 b-n	76 a-j	14.84 a-j	3864 a-g	594 a-h
VT 023015	0.4	0.9	73 h-l	5.50	47 c-m	2.5	2.9	5.9	65 a-h	76 a-j	14.94 a-j	2755 b-m	431 c-k
VT 024044	2.5	0.9	54 op	5.50	36 m-q	2.8	1.4	9.6	64 a-j	77 a-e	12.47 f-n	1443 m	202 jk
VT 024060	0.3	0.4	83 c-i	5.65	50 a-j	2.8	1.3	3.5	70 ab	77 a-f	17.66 a-e	4105 a-e	728 a-d
VT 024077	0.6	1.6	66 lmn	5.60	28 q	4.4	3.7	11.2	53 nop	72 h-m	9.86 k-n	1933 h-m	190 jk
Mean	0.8	1.0	77	5.56	44	3.9	2.3	7.2	61	75	13.68	2790	406
CV (%)[4]			6		10				6	2	15	24	33

[1] Planted on May 18, dug on October 13, and combined on October 19.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 25. Grade characteristics, yield, and value of lines averaged across all locations, Dig I – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.6	1.2	76 j-m	6.88 a-d	30 vw	1.8	1.9	2.3	67 a-g	73 e-j	$17.30 a-i	3631 d-g	629 e-o
Gregory	1.5	1.7	91 abc	6.83 a-e	45 def	1.9	1.4	4.1	63 ij	71 op	15.45 j-q	3969 a-f	620 f-o
NC 12C	2.0	1.2	79 f-l	6.55 a-f	44 d-h	2.2	1.1	2.4	69 abc	74 b-e	17.82 a-e	3874 a-f	684 a-k
VA 98R	0.6	1.0	74 lm	6.77 a-f	35 q-v	2.8	1.5	3.2	66 a-h	74 b-g	16.92 a-l	4056 a-d	694 a-j
Wilson	0.4	0.9	84 b-i	6.94 a-d	33 s-w	1.9	1.5	3.1	63 j	70 pq	15.86 h-o	3952 a-f	628 e-o
Perry	1.0	2.0	74 lm	6.60 a-f	39 i-o	2.2	1.5	2.0	68 a-d	74 c-h	17.83 a-d	3511 fg	624 f-o
CHAMPS	0.8	1.1	83 c-k	6.59 a-f	35 n-u	1.8	1.5	1.8	69 abc	74 c-h	17.90 a-d	4112 a-d	735 a-f
Phillips	0.7	0.8	80 e-l	6.79 a-f	43 f-j	2.1	1.4	2.6	67 a-g	73 e-k	17.14 a-j	3733 c-g	645 d-o
N99103ol (9)	0.5	0.6	74 lm	6.95 a-d	32 uvw	2.5	1.7	3.5	66 b-i	74 b-g	16.50 c-m	3949 a-f	654 c-n
VT 976133	1.6	1.0	77 i-m	6.54 a-f	36 m-u	2.3	1.5	5.5	64 hij	73 c-i	14.55 n-r	3795 a-g	570 k-o
Brantley	1.6	1.1	85 a-h	6.31 ef	48 a-d	2.6	1.0	3.3	66 c-j	73 f-l	16.67 b-l	3737 c-g	629 e-o
N00098ol (Gre)	1.1	1.0	87 a-g	6.55 a-f	35 o-u	3.0	1.7	3.7	63 j	72 k-o	15.94 g-o	3931 a-f	637 d-o
N00035J	1.0	1.7	92 a	6.84 a-e	47 cde	1.9	1.6	5.3	60 k	69 r	13.86 qr	3788 a-g	558 l-o
N01054	0.6	1.1	90 a-d	6.42 def	43 f-j	1.8	1.5	3.3	64 hij	71 op	16.17 d-n	3698 c-g	612 g-o
N01083	0.6	1.1	86 a-g	6.52 a-f	43 f-j	2.8	1.7	4.7	60 k	69 qr	14.44 o-r	3996 a-f	588 i-o
VT 003069	1.7	1.2	85 a-h	6.69 a-f	40 h-m	2.9	1.1	3.6	68 abc	76 a	17.15 a-j	3848 a-f	666 a-m
VT 003126	0.5	0.7	79 g-l	6.70 a-f	39 j-q	2.1	1.4	2.1	69 abc	74 b-f	17.97 abc	4180 abc	751 a-d
VT 003159	0.9	1.5	90 a-d	6.72 a-f	40 i-n	1.8	1.6	5.0	61 k	69 qr	14.08 pqr	3783 a-g	552 mno
VT 003167	0.6	1.2	85 a-h	6.99 abc	38 k-r	2.1	1.7	2.9	66 c-j	73 g-m	16.99 a-k	3846 a-f	655 b-n
VT 003181	0.9	1.2	90 a-d	6.62 a-f	34 r-w	2.4	1.4	3.1	65 g-j	71 mno	16.08 e-o	3898 a-f	650 c-o
VT 004100	1.5	1.5	88 a-e	7.00 abc	38 k-r	1.1	1.5	3.9	65 e-j	72 j-o	15.59 i-p	3677 c-g	588 i-o
VT 004123	1.1	1.4	86 a-g	6.48 a-f	42 f-l	2.2	1.5	3.5	65 e-j	72 h-n	16.18 d-n	3780 b-g	627 f-o
VT 004178	1.0	1.3	92 ab	6.57 a-f	44 e-i	1.2	1.2	6.2	60 k	69 qr	13.24 r	3856 a-f	534 o
N01013T	1.5	1.0	85 a-h	6.94 a-d	47 b-e	3.0	1.1	1.6	69 ab	74 b-e	18.49 a	4161 abc	763 abc
N02005	1.0	0.9	87 a-f	7.01 ab	52 ab	1.5	1.3	2.3	69 ab	74 b-g	17.81 a-e	3926 a-f	698 a-j
N02006	1.1	1.2	90 a-d	6.56 a-f	48 b-e	1.7	1.6	2.9	65 f-j	71 no	16.62 b-l	3715 c-g	633 e-o

[1] Dug when early to mid-maturing lines were at their optimum maturity (defined as 60% to 70% brown or black pods).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 25. Grade characteristics, yield, and value of lines averaged across all locations, Dig I – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.2	1.0	87 a-g	6.65 a-f	47 b-e	2.0	1.3	2.4	68 a-e	74 c-h	17.59 a-h	4012 a-f	704 a-i
N02009	1.0	0.9	86 a-g	6.62 a-f	51 abc	1.5	1.2	2.5	69 a	74 b-f	17.83 a-d	4125 a-d	734 a-f
N02010	1.2	1.1	89 a-d	6.46 b-f	52 a	2.1	1.2	1.9	69 abc	74 b-g	$18.18 abc	4286 ab	779 a
N02020J	1.0	1.4	84 c-j	6.83 a-e	49 a-d	1.7	1.5	4.2	63 j	71 op	15.28 k-q	3510 fg	546 no
N02060ol (Per)	1.2	1.9	80 e-l	6.96 a-d	37 l-r	1.7	2.2	1.8	68 a-f	73 c-i	17.74 a-f	3301 g	581 j-o
VT 003193	0.6	0.9	76 j-m	6.50 a-f	30 w	2.2	1.5	3.2	67 a-g	74 b-g	16.70 b-l	4296 a	722 a-h
VT 003194	0.8	0.8	85 a-h	6.67 a-f	36 m-t	3.1	1.4	2.2	68 a-f	74 b-f	17.62 a-g	3750 c-g	668 a-m
VT 004167	0.4	1.2	90 a-d	6.83 a-e	35 p-u	2.6	1.8	3.4	60 k	68 r	15.26 l-q	3908 a-f	608 h-o
VT 004180	0.7	0.9	79 f-l	6.90 a-d	38 k-r	2.5	1.2	3.4	67 a-g	74 b-f	16.78 a-l	3863 a-f	655 b-n
VT 024051	0.8	0.8	70 mn	6.58 a-f	38 k-r	2.4	1.5	2.6	69 ab	75 ab	17.98 abc	4046 a-d	727 a-g
N03005J	0.6	0.9	66 n	6.57 a-f	34 r-w	3.0	1.8	1.8	68 a-f	74 b-f	17.80 a-e	4103 a-d	734 a-f
N03006J	0.9	1.2	72 lmn	6.45 c-f	48 b-e	2.1	1.4	2.5	69 abc	75 bcd	17.82 a-e	3695 c-g	662 a-n
N03020E	0.4	0.9	65 n	6.50 a-f	36 m-s	3.5	1.5	2.5	67 a-g	74 b-f	17.52 a-h	3800 a-g	672 a-l
N03023EF	0.9	1.1	79 f-l	6.81 a-f	39 i-p	2.0	1.6	4.3	64 hij	72 i-o	15.37 k-q	3518 efg	558 l-o
N03081T	0.5	1.0	75 klm	6.91 a-d	38 j-r	2.4	1.8	1.8	67 a-g	73 d-i	17.45 a-h	4010 a-f	707 a-h
N03088T	0.6	1.1	86 a-g	6.67 a-f	42 f-k	2.5	1.6	2.5	67 a-g	74 c-h	17.49 a-h	3934 a-f	695 a-j
N03089T	0.6	1.1	78 h-m	6.71 a-f	42 f-k	2.5	1.5	1.3	69 ab	74 b-f	18.28 ab	3968 a-f	723 a-h
N03090T	0.5	1.0	87 a-f	6.69 a-f	45 d-g	2.6	1.7	1.6	68 a-f	73 c-h	18.04 abc	4139 a-d	745 a-e
N03091T	0.6	0.9	86 a-g	6.27 f	48 b-e	2.7	1.5	1.5	69 ab	75 bc	18.49 a	4178 abc	772 ab
VT 023015	0.7	0.9	86 a-g	7.02 a	41 f-l	2.2	1.3	2.5	68 a-f	74 c-h	17.46 a-h	4027 a-e	714 a-h
VT 024044	1.2	0.7	71 mn	6.83 a-e	32 t-w	1.9	1.2	5.6	65 d-j	74 b-f	14.81 m-r	3690 c-g	568 k-o
VT 024060	0.7	1.1	85 a-h	6.97 a-d	41 g-l	1.7	1.2	2.3	69 abc	74 b-g	17.77 a-f	4060 a-d	722 a-h
VT 024077	0.4	1.1	83 d-k	6.91 a-d	33 s-w	2.6	1.8	3.5	64 hij	72 l-o	16.04 f-o	3827 a-f	639 d-o
Mean	0.9	1.1	82	6.71	40	2.2	1.5	3	66	73	16.73	3887	658
CV (%)[4]			9		10				4	2	10	12	16

[1] Dug when early to mid-maturing lines were at their optimum maturity (defined as 60% to 70% brown or black pods).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 26. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – 2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	0.8	70 opq	5.72	37 tu	4.2	3.1	3.8	63 g-p	74 h-l	$15.75 j-q	3777 e-l	627 e-i
Gregory	2.5	1.0	86 b-f	5.59	49 d-i	4.0	1.9	6.2	61 l-r	73 lmn	14.52 o-r	3471 h-o	565 g-j
NC 12C	3.8	0.9	76 k-n	5.60	49 d-h	6.5	1.6	3.1	65 a-j	77 b	17.65 a-h	3800 e-k	670 c-g
VA 98R	1.1	0.8	69 qr	5.59	39 q-u	4.9	2.9	4.6	61 m-r	74 klm	15.27 m-q	3458 i-o	571 g-j
Wilson	0.9	0.8	77 k-n	5.61	37 tu	4.0	2.9	3.6	61 o-r	71 p	15.51 k-q	3428 j-o	565 g-j
Perry	1.6	1.2	69 qr	5.62	45 i-o	4.8	2.2	2.3	66 a-f	76 b-g	17.95 a-f	3628 f-o	657 d-h
CHAMPS	1.8	0.9	79 h-l	5.68	43 k-q	3.2	2.3	3.1	67 a-d	76 b-h	17.09 a-l	3479 h-o	621 e-i
Phillips	1.4	0.5	76 k-n	5.71	51 cde	5.3	1.6	3.0	66 a-i	75 b-h	17.48 a-j	3599 f-o	632 e-i
N99103ol (9)	0.9	0.6	73 n-q	5.70	41 n-t	6.5	1.6	4.2	63 f-p	76 b-h	16.39 d-n	3685 e-n	634 e-i
VT 976133	2.5	1.0	74 l-p	5.63	40 p-u	4.7	2.8	8.1	59 qrs	75 d-l	13.50 r	3167 no	476 jk
Brantley	3.4	0.8	82 f-j	5.55	52 cde	5.1	1.9	4.4	63 g-p	74 e-l	15.85 i-q	3250 mno	535 ij
N00098ol (Gre)	2.8	0.9	83 e-i	5.58	43 k-q	5.6	1.9	5.3	61 l-r	74 g-l	14.91 n-r	3372 k-o	538 ij
N00035J	1.3	2.3	92 a	5.50	50 d-g	4.5	1.9	6.4	58 rs	71 p	13.55 r	3719 e-m	546 hij
N01054	0.7	0.7	88 a-e	5.48	51 cde	5.0	1.8	3.8	63 g-p	73 lmn	16.26 f-o	3921 c-j	674 c-g
N01083	1.0	0.9	82 f-j	5.58	46 g-l	6.8	2.0	5.5	57 s	72 op	14.22 qr	4038 a-g	608 e-i
VT 003069	1.9	0.8	83 f-j	5.58	46 h-n	5.8	1.8	3.8	67 a-d	78 a	17.17 a-k	3437 i-o	629 e-i
VT 003126	1.6	0.9	75 lmn	5.57	46 h-m	4.1	2.7	3.2	64 b-n	74 e-l	16.86 b-m	3609 f-o	627 e-i
VT 003159	1.3	0.7	89 ab	5.64	46 g-l	4.7	2.1	6.3	59 qrs	72 nop	14.19 qr	3636 f-o	540 ij
VT 003167	1.3	1.2	78 j-m	5.63	41 o-u	4.8	3.2	3.2	62 j-q	73 lmn	16.35 e-n	3519 g-o	600 e-i
VT 003181	1.8	0.8	88 a-d	5.53	42 l-s	4.4	2.4	4.6	62 j-q	73 lmn	15.51 k-q	3416 j-o	573 g-j
VT 004100	1.9	0.9	84 d-h	5.64	45 j-o	4.0	1.9	4.0	65 b-l	74 e-l	16.09 g-o	3401 j-o	586 f-j
VT 004123	2.1	1.3	82 f-j	5.62	47 f-k	3.8	2.5	3.2	64 b-n	74 j-m	16.58 c-n	3161 o	546 hij
VT 004178	1.4	1.0	92 a	5.52	51 cde	3.8	1.7	5.9	60 p-s	72 op	14.25 pqr	3644 f-o	576 g-j
N01013T	2.5	0.8	80 g-k	5.63	49 e-j	6.4	1.7	2.8	65 a-k	76 bcd	17.66 a-h	3776 e-l	671 c-g
N02005	2.0	0.5	84 c-g	5.56	57 a	5.0	1.6	2.3	67 abc	76 b	18.52 ab	4067 a-f	752 a-d
N02006	1.6	0.9	89 abc	5.59	53 a-d	3.9	2.2	4.0	64 d-o	74 i-m	16.00 h-p	3696 e-m	615 e-i

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 26. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – 2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.3	0.9	84 d-h	5.66	53 a-d	5.0	2.1	2.8	65 a-j	75 b-k	17.54 a-j	3910 c-j	692 c-f
N02009	2.4	0.7	82 f-j	5.62	57 a	5.0	1.7	2.9	67 a-f	76 b	17.62 a-i	3892 c-k	708 b-e
N02010	2.9	0.7	87 b-f	5.59	56 ab	4.3	1.7	4.2	66 a-i	76 b-g	$16.49 c-n	3638 f-o	625 e-i
N02020J	1.6	1.2	91 a	5.57	52 cde	4.0	2.2	5.1	62 k-q	73 l-o	15.15 m-r	3782 e-l	603 e-i
N02060ol (Per)	1.0	1.0	74 l-p	5.74	42 l-r	3.8	2.5	2.4	67 a-e	75 b-i	17.75 a-h	3414 j-o	610 e-i
VT 003193	1.3	0.6	74 m-q	5.52	40 p-u	5.1	1.8	4.2	65 a-k	76 bc	16.37 d-n	3674 e-o	640 e-i
VT 003194	1.3	1.1	78 i-m	5.59	38 r-u	6.7	2.8	3.6	62 i-p	76 b-h	16.55 c-n	3216 mno	560 g-j
VT 004167	1.0	0.6	79 h-l	5.55	45 j-o	5.1	2.3	3.8	61 n-r	72 m-p	15.47 k-q	3712 e-m	603 e-i
VT 004180	1.8	0.6	75 l-o	5.66	45 j-o	6.3	1.9	3.6	64 c-n	76 b-f	17.09 a-l	3274 l-o	577 g-j
VT 024051	2.0	1.0	60 t	5.65	42 m-s	5.5	2.5	5.1	63 e-p	76 b	15.68 k-q	3577 f-o	602 e-i
N03005J	1.4	0.6	65 rs	5.63	42 l-q	5.1	2.2	1.4	68 a	77 b	18.66 ab	4392 abc	819 a
N03006J	1.3	0.7	72 n-q	5.64	51 def	5.2	2.1	2.7	67 a-d	77 b	18.07 a-e	3828 e-k	706 b-e
N03020E	0.9	0.6	62 st	5.67	43 k-q	6.7	2.3	2.4	65 b-m	76 b-e	17.83 a-g	3883 d-k	702 b-e
N03023EF	1.6	0.8	75 l-o	5.61	45 j-o	4.3	2.5	4.8	63 h-p	74 f-l	15.53 k-q	3959 b-i	642 e-i
N03081T	1.0	0.7	70 pq	5.66	43 k-p	4.1	2.8	1.2	66 a-f	75 c-l	18.28 abc	4393 abc	803 ab
N03088T	0.7	0.5	83 f-i	5.55	52 cde	5.8	2.5	1.8	66 a-f	76 b	18.68 a	4475 a	835 a
N03089T	1.0	0.7	84 d-h	5.65	50 d-h	5.8	2.3	2.8	65 a-j	76 bcd	17.58 a-i	4369 a-d	774 abc
N03090T	0.9	0.6	84 c-g	5.55	52 b-e	5.6	2.4	1.4	66 a-g	76 b-h	18.59 ab	4430 ab	819 a
N03091T	0.7	0.7	84 c-g	5.57	55 abc	5.3	2.4	2.2	66 a-f	76 b	18.16 a-d	4467 a	817 a
VT 023015	1.4	0.9	80 g-k	5.58	49 e-j	4.2	2.0	3.3	66 a-h	75 b-h	16.87 b-m	3993 a-h	704 b-e
VT 024044	4.3	0.8	63 st	5.64	38 stu	3.7	1.3	5.7	66 a-i	76 bcd	15.32 l-q	2558 p	412 k
VT 024060	1.5	0.7	82 f-j	5.71	48 e-j	3.8	2.1	1.8	68 ab	75 b-j	18.22 abc	4170 a-e	757 a-d
VT 024077	0.8	0.9	76 k-n	5.64	36 u	5.8	2.6	3.6	61 l-r	73 lmn	16.10 g-o	3671 e-o	623 e-i
Mean	1.7	0.8	79	5.61	46	4.9	2.2	3.7	64	75	16.5	3711	638
CV (%)[4]			6		9				5	2	10	13	16

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 27. Ranked value ($/A) by variety or line and location, Dig I – 2005

Martin Co., NC		Columbus Co., NC		Southampton Co., VA		City of Suffolk, VA		Sampson Co., NC	
Variety or Line	Value $/A[1]	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A
VT 023015	667 a	VT 024051	832 a	N02010	649 a	VT 003069	1046 a	VT 023015	1046 a
N02007	655 a	VT 003181	817 ab	N03089T	645 a	N03006J	1044 a	N03091T	968 ab
VT 003193	631 ab	N02010	802 abc	CHAMPS	643 a	VT 003194	1012 ab	VT 024077	949 abc
N99103ol(9)	624 abc	N03091T	797 abc	N01013T	643 a	VT 024060	1009 ab	N03005J	926 a-d
VT 003126	611 abc	N03081T	776 a-d	VT 003126	632 ab	VT 003126	1003 ab	N02010	925 a-d
VT 024060	611 abc	N03088T	772 a-d	VT 003194	611 abc	N02007	1002 ab	N03089T	896 a-d
N03091T	607 abc	N03090T	762 a-d	N03081T	600 a-d	VT 003193	999 abc	N02005	894 a-d
N03090T	602 a-d	N01013T	753 a-d	N03090T	599 a-d	VT 004180	998 abc	N02009	891 a-d
N01083	585 a-d	VT 003126	711 a-e	N03005J	596 a-d	N02009	992 abc	Gregory	881 a-d
N02006	567 a-e	N03089T	711 a-e	N02009	595 a-d	N02010	992 abc	N01013T	880 a-d
VA 98R	565 a-e	N02009	708 a-f	VT 004180	583 a-d	N01013T	991 abc	VT 003194	871 a-d
VT 004100	562 a-f	N03020E	686 a-f	NC 12C	580 a-d	VA 98R	990 abc	N00098ol(Gre)	868 a-d
N03089T	555 a-f	NC 12C	684 a-f	N03091T	558 a-d	CHAMPS	984 abc	N03020E	867 a-d
N01013T	547 a-f	VA 98R	683 a-f	VT 003069	554 a-d	N02005	982 abc	N03088T	855 a-d
N02005	541 a-f	VT 003193	678 a-f	N02005	538 a-e	N00098ol(Gre)	972 abc	VT 024060	844 a-e
NC 12C	540 a-f	CHAMPS	669 a-g	N03006J	527 a-e	VT 003181	966 abc	N03090T	843 a-e
CHAMPS	539 a-f	N02006	667 a-g	VT 003167	526 a-e	N03005J	966 abc	VT 003193	841 a-e
VT 024051	538 a-f	VT 004167	664 a-g	VT 024060	525 a-e	NC 12C	958 a-d	VT 024044	840 a-e
N03081T	538 a-f	N03005J	655 a-h	VT 024051	522 a-e	VT 004123	957 a-d	CHAMPS	839 a-e
N03088T	534 a-f	Wilson	649 a-h	Phillips	520 a-e	VT 024051	952 a-d	VT 004123	834 a-e
N03020E	529 a-f	VT 003167	647 a-i	N02007	504 a-f	Phillips	944 a-d	NC-V 11	810 a-e
N02010	527 a-f	N99103ol(9)	644 a-j	Perry	499 a-f	N99103ol(9)	943 a-d	VT 004167	803 a-e
N03005J	525 a-f	N02007	638 a-j	Wilson	486 a-f	N03091T	931 a-d	VT 003167	802 a-e
N02020J	509 a-f	N03006J	635 a-k	VT 003193	463 a-f	N03023EF	928 a-d	N02006	800 a-e
Perry	483 a-f	Brantley	625 a-k	VT 024077	453 a-f	VT 976133	924 a-d	VT 003126	798 a-e
N02009	482 a-f	N00098ol(Gre)	625 a-k	Brantley	451 a-f	VT 003159	922 a-d	VA 98R	795 a-e
Brantley	463 a-f	Phillips	620 a-k	N03020E	445 a-f	Gregory	921 a-d	N01054	794 a-e
VT 003159	461 a-f	VT 024060	619 a-k	NC-V 11	437 a-f	VT 004178	919 a-d	VT 024051	792 a-e

[1] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 27. Ranked value ($/A) by variety or line and location, Dig I – 2005 (cont.)

Martin Co., NC		Columbus Co., NC		Southampton Co., VA		City of Suffolk, VA		Sampson Co., NC	
Variety or Line	Value $/A[1]	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A
Phillips	459 a-f	Perry	605 a-k	VA 98R	436 a-f	N03090T	919 a-d	VT 003069	776 a-e
VT 004180	459 a-f	N00035J	599 a-k	Gregory	426 a-f	N00035J	917 a-d	N03081T	764 a-e
NC-V 11	458 a-f	VT 003069	589 a-k	N02060ol(Per)	424 a-f	VT 023015	914 a-d	VT 976133	747 b-e
N03006J	456 a-f	NC-V 11	570 b-k	N99103ol(9)	419 a-f	Brantley	911 a-d	N02007	718 b-e
VT 003194	453 a-f	N02060ol(Per)	568 b-k	N01083	415 a-f	N01054	910 a-d	N01083	711 b-e
VT 003181	450 a-f	VT 024077	562 c-k	VT 004100	414 a-f	N03088T	904 a-d	VT 004180	703 b-e
Wilson	440 a-f	VT 004123	552 c-k	N03088T	408 a-f	VT 004100	894 a-d	N02060ol(Per)	698 b-e
N02060ol(Per)	440 a-f	VT 023015	547 c-k	N00035J	407 a-f	Perry	886 a-d	Brantley	696 b-e
N01054	435 a-f	N01054	539 d-k	VT 004123	397 a-f	N02006	882 a-d	N03023EF	689 b-e
VT 003167	423 a-f	N02005	536 d-k	VT 023015	396 a-f	VT 024077	880 a-d	Wilson	688 b-e
VT 976133	421 a-f	VT 004180	532 d-k	N00098ol(Gre)	394 a-f	VT 003167	877 a-d	VT 003159	687 b-e
Gregory	419 a-f	VT 003159	466 e-k	N01054	382 a-f	Wilson	876 a-d	Phillips	680 b-e
N03023EF	397 a-f	VT 024044	465 e-k	VT 024044	381 a-f	NC-V 11	869 a-d	N02020J	666 cde
VT 004123	393 a-f	VT 004178	460 e-k	VT 004167	365 a-f	VT 024044	867 a-d	VT 003181	661 cde
VT 004167	371 b-f	N03023EF	457 e-k	VT 003181	356 a-f	N03081T	857 a-d	VT 004100	660 de
VT 003069	366 b-f	Gregory	454 f-k	VT 004178	346 b-f	N01083	840 bcd	NC 12C	659 de
VT 024077	349 c-f	VT 976133	417 g-k	VT 976133	343 b-f	N02020J	839 bcd	Perry	649 de
N00098ol(Gre)	328 def	VT 004100	408 h-k	N02020J	333 c-f	VT 004167	839 bcd	VT 004178	648 de
N00035J	311 ef	VT 003194	393 ijk	N03023EF	318 def	N03020E	830 bcd	N03006J	646 de
VT 004178	295 ef	N01083	390 jk	N02006	249 ef	N03089T	810 cd	N99103ol(9)	640 de
VT 024044	288 f	N02020J	382 k	VT 003159	224 f	N02060ol(Per)	773 d	N00035J	556 e

[1] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 28. Ranked value ($/A) by variety or line and location, Dig II – 2005

Martin Co., NC		Columbus Co., NC		Southampton Co., VA		City of Suffolk, VA		Sampson Co., NC	
Variety or Line	Value $/A[1]	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A
N02009	958 a	N03090T	621 a	N03091T	865 a	N03005J	1258 a	N03088T	823 a
N03081T	954 a	N03088T	607 a	VT 023015	795 ab	VT 003069	1243 ab	N03081T	799 ab
N03090T	953 ab	N03091T	533 ab	VT 003069	722 abc	N01054	1235 ab	N03090T	799 ab
N03088T	949 abc	N03005J	512 abc	N00098ol(Gre)	693 a-d	VT 003193	1235 ab	N03089T	796 ab
N03020E	939 a-d	N03089T	504 a-d	VT 003126	690 a-d	N02005	1203 abc	N02005	750 abc
N03005J	928 a-e	N03006J	484 a-e	N03081T	676 a-d	N03006J	1203 abc	N03005J	739 abc
N03091T	919 a-f	N03081T	481 a-e	N03006J	668 a-d	N99103ol(9)	1194 abc	VT 024060	728 a-d
N02005	897 a-g	VT 024060	475 a-e	N03005J	657 a-e	Gregory	1188 abc	NC 12C	690 a-e
VT 024060	884 a-h	Perry	467 a-f	N01013T	654 a-e	N02010	1187 abc	N02007	667 a-f
N01054	875 a-h	N02060ol(Per)	432 a-g	VT 004123	648 a-e	VT 024051	1186 abc	N03020E	632 a-g
VT 003193	866 a-h	N01054	417 a-h	N02020J	648 a-e	CHAMPS	1185 abc	N03091T	594 a-h
N03089T	863 a-h	N99103ol(9)	407 a-h	N03088T	646 a-e	N01013T	1181 a-d	N02009	558 a-i
VT 023015	859 a-i	N01083	375 a-i	VT 024077	645 a-e	N03091T	1176 a-d	N01013T	494 b-j
N02007	853 a-j	N02005	356 b-j	VT 003194	640 a-e	N02020J	1175 a-d	N02060ol(Per)	486 b-j
Gregory	847 a-k	VT 024077	339 b-k	N02010	636 a-e	VT 023015	1169 a-e	VT 003167	470 c-k
VT 004178	847 a-k	Phillips	329 b-k	NC 12C	635 a-e	N00035J	1164 a-e	Perry	441 c-k
N03023EF	838 a-k	N02009	323 b-k	CHAMPS	634 a-e	N03023EF	1155 a-e	VT 023015	431 c-k
N02006	834 a-k	N03020E	308 b-k	N03090T	629 a-e	VA 98R	1152 a-e	N03006J	410 d-k
VT 024077	824 a-l	VA 98R	294 b-k	NC-V 11	618 a-e	N03089T	1152 a-e	VT 004167	397 e-k
NC-V 11	814 a-m	VT 003126	293 b-k	Phillips	614 a-e	VT 003181	1149 a-e	N02010	384 e-k
VT 024051	814 a-m	N02007	291 b-k	VT 004167	613 a-e	N03088T	1149 a-e	N01083	377 e-k
VT 004100	812 a-m	N03023EF	272 c-k	N03023EF	607 a-e	Perry	1148 a-e	Phillips	373 e-k
CHAMPS	805 a-m	VT 023015	268 c-k	N01054	598 a-e	N02009	1147 a-e	N02006	361 f-k
VT 003181	799 a-m	NC 12C	262 c-k	VT 004100	595 a-e	NC-V 11	1139 a-e	N02020J	357 f-k
N01013T	799 a-m	N02006	255 d-k	VT 024060	585 b-e	Phillips	1128 a-e	VT 003193	352 f-k
N02010	777 a-m	NC-V 11	253 d-k	VT 004180	583 b-e	N03020E	1128 a-e	N03023EF	339 f-k
N99103ol(9)	769 a-m	VT 024051	242 e-k	VT 004178	572 b-e	VT 003126	1126 a-e	CHAMPS	320 g-k
N03006J	763 a-m	VT 004180	238 e-k	VT 003193	568 b-e	VT 004100	1121 a-e	NC-V 11	310 g-k

[1] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Table 28. Ranked value ($/A) by variety or line and location, Dig II – 2005 (cont.)

Martin Co., NC		Columbus Co., NC		Southampton Co., VA		City of Suffolk, VA		Sampson Co., NC	
Variety or Line	Value $/A[1]	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A	Variety or Line	Value $/A
VT 003194	750 b-m	N01013T	229 e-k	Wilson	564 b-e	VT 024077	1116 a-e	N99103ol(9)	309 g-k
VT 003069	745 c-m	N00035J	213 f-k	N02005	556 b-e	N02007	1114 a-e	VT 004100	309 g-k
VT 003167	745 c-m	VT 003159	206 g-k	N03089T	556 b-e	VT 024060	1112 a-e	VT 003159	303 g-k
VT 004180	744 d-m	VT 004167	205 g-k	N02009	554 b-e	N01083	1111 a-e	VT 003069	287 h-k
Wilson	742 d-m	Wilson	203 g-k	VT 024051	544 b-e	N02006	1109 a-e	VT 003126	281 h-k
VT 003126	742 d-m	VT 003167	197 g-k	VT 003181	539 b-e	Wilson	1104 a-e	Brantley	272 h-k
VA 98R	736 d-m	Brantley	186 g-k	Perry	537 b-e	N03081T	1103 a-e	VT 004178	265 h-k
N01083	735 d-m	VT 976133	181 g-k	N02007	536 b-e	Brantley	1101 a-f	Gregory	254 ijk
VT 004123	734 e-m	VT 003193	181 g-k	VA 98R	532 b-e	N03090T	1093 a-f	VT 004180	251 ijk
NC 12C	728 e-m	VT 024044	164 h-k	VT 003159	522 cde	VT 003167	1091 a-f	N00035J	247 ijk
VT 004167	727 e-m	CHAMPS	162 h-k	N02006	518 cde	VT 004167	1074 a-f	N01054	243 ijk
Phillips	715 f-m	VT 003194	162 h-k	N02060ol(Per)	506 cde	VT 004180	1071 a-f	VT 003181	242 ijk
N02020J	696 g-m	VT 003069	148 ijk	N03020E	506 cde	N00098ol(Gre)	1063 b-f	VT 003194	229 ijk
Perry	691 h-m	N02020J	141 ijk	VT 003167	499 cde	VT 004178	1056 b-f	VT 024051	225 ijk
N00035J	683 h-m	VT 004123	140 ijk	N99103ol(9)	489 cde	VT 003159	1041 c-f	VT 004123	215 jk
Brantley	658 i-m	N02010	140 ijk	Brantley	460 cde	VT 976133	1039 c-f	Wilson	212 jk
N00098ol(Gre)	654 j-m	VT 004178	138 ijk	Gregory	443 de	NC 12C	1037 c-f	VT 024044	202 jk
N02060ol(Per)	647 klm	VT 003181	137 ijk	N01083	443 de	VT 003194	1019 c-f	VT 024077	190 jk
VT 003159	625 lm	N00098ol(Gre)	103 jk	VT 024044	437 de	VT 004123	992 def	N00098ol(Gre)	177 jk
VT 976133	614 m	VT 004100	95 k	N00035J	425 de	N02060ol(Per)	980 ef	VT 976133	147 k
VT 024044	340 n	Gregory	91 k	VT 976133	397 e	VT 024044	915 f	VA 98R	143 k

[1] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

Two-year Averages by Location

Table 29. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.8	0.8	76 d-h	6.68	31 n-q	2.6	1.1	1.9	69 a-e	75 b-f	$17.98 a-d	3380 a-h	613 a-i
Gregory	2.2	1.1	86 a-g	6.45	44 c-h	2.9	0.8	3.6	67 d-j	74 fgh	16.81 a-h	3209 a-h	532 c-j
NC 12C	1.7	0.9	76 c-h	6.45	43 d-i	2.6	0.9	2.1	70 a-d	76 a-d	18.33 abc	3918 a-e	721 a-f
VA 98R	0.6	0.6	76 d-h	6.82	31 n-q	3.6	1.0	2.6	68 c-i	75 c-g	17.65 a-e	3573 a-g	629 a-i
Wilson	0.3	0.8	82 a-h	6.70	31 n-q	2.3	1.2	3.1	65 i-m	71 kl	16.32 c-i	3598 a-g	593 a-i
Perry	0.8	0.9	74 fgh	6.68	38 g-n	2.8	0.9	1.5	71 ab	76 ab	18.82 abc	3832 a-e	729 a-e
CHAMPS	1.0	0.9	76 d-h	6.63	30 n-q	2.3	1.1	2.2	70 a-e	75 a-f	18.19 a-d	2834 e-i	510 e-j
Phillips	0.9	0.8	79 b-h	6.72	43 d-i	2.2	1.1	2.3	69 a-f	75 d-g	18.04 a-d	3712 a-f	682 a-g
N99103ol(9)	0.7	0.6	75 e-h	6.78	35 j-p	3.4	1.2	1.8	69 a-e	76 a-e	18.52 abc	3544 a-g	654 a-h
VT 976133	1.9	0.9	77 c-h	6.75	36 i-p	2.0	0.9	6.6	65 h-m	75 c-g	14.41 hi	3670 a-f	532 c-j
Brantley	1.7	0.8	84 a-h	6.85	49 a-e	3.2	0.7	4.3	67 e-k	75 b-f	16.67 a-h	2981 b-i	492 g-k
N00098ol(Gre)	2.2	1.5	84 a-h	6.78	34 l-q	4.0	0.9	4.8	64 lm	73 hij	15.73 d-i	2033 i	288 k
N00035J	1.4	1.0	95 a	6.68	51 abc	2.2	0.6	5.2	64 j-m	72 jk	14.99 f-i	3844 a-e	614 a-i
N01054	0.8	0.8	90 a-d	6.63	44 c-h	2.3	1.0	3.3	66 g-l	72 ijk	16.45 b-i	4211 a	737 a-e
N01083	0.7	0.8	85 a-g	6.53	44 c-h	3.7	0.8	3.7	64 j-m	72 jk	16.52 a-h	3835 a-e	630 a-i
VT 003069	2.1	1.1	86 a-g	6.68	39 f-m	2.6	0.9	4.3	69 a-g	77 a	16.75 a-h	3117 a-i	530 d-j
VT 003126	0.6	0.5	76 c-h	6.53	39 f-l	3.0	0.8	2.3	69 a-e	75 a-f	18.36 abc	4036 a-d	743 a-d
VT 003159	0.8	0.7	92 ab	6.65	45 b-g	2.6	0.6	4.8	64 j-m	72 jk	15.35 e-i	3509 a-g	547 b-j
VT 003167	0.8	1.0	85 a-g	6.70	41 f-l	2.2	1.1	2.8	69 a-g	75 c-g	17.42 a-f	3249 a-h	575 a-j
VT 003181	0.9	1.0	88 a-e	6.70	28 pq	2.5	1.2	2.5	67 d-j	74 ghi	17.29 a-g	2880 d-i	500 f-j
VT 004100	1.9	1.0	89 a-e	6.70	42 f-k	2.3	0.8	2.0	69 a-e	75 e-h	18.10 a-d	3701 a-f	671 a-g
VT 004123	1.6	1.3	87 a-f	6.80	39 f-l	2.5	1.0	3.6	68 b-h	75 b-f	16.49 a-i	2617 f-i	422 ijk
VT 004178	1.5	0.8	93 ab	6.88	42 e-j	1.2	0.8	6.4	64 klm	72 jk	14.11 i	3667 a-f	540 b-j
N01013T	1.8	0.8	86 a-g	6.75	45 b-f	4.2	0.6	1.6	70 a-e	76 abc	18.97 a	3656 a-f	690 a-g
N02005	1.4	0.8	89 a-e	6.63	55 a	1.5	0.4	2.2	71 a	76 a-f	18.43 abc	4226 a	783 a

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 29. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02006	1.3	0.7	91 abc	6.65	51 abc	2.7	0.7	2.3	69 a-g	74 e-h	18.18 a-d	4070 abc	743 a-d
N02007	1.4	0.6	86 a-g	6.60	52 ab	2.7	0.6	1.7	71 ab	76 a-d	18.92 ab	4026 a-d	759 abc
N02009	1.0	0.6	87 a-f	6.68	51 abc	1.3	0.8	2.4	71 abc	75 b-f	18.11 a-d	3832 a-e	703 a-g
N02010	1.9	1.0	88 a-f	6.63	52 ab	2.3	0.7	2.5	70 a-e	75 a-f	18.35 abc	4138 ab	764 ab
N02020J	1.4	0.8	70 h	6.50	50 a-d	2.3	0.7	3.0	68 a-g	74 e-h	17.24 a-g	3578 a-g	616 a-i
N02060ol(Per)	2.0	1.4	76 e-h	6.85	35 k-p	2.7	1.7	2.6	69 a-g	76 a-f	18.04 a-d	3210 a-h	580 a-j
VT 003193	2.7	1.1	72 gh	6.32	27 q	2.7	1.2	2.7	69 a-g	75 b-f	17.70 a-e	2486 ghi	422 ijk
VT 003194	0.7	0.6	84 a-h	6.85	36 i-p	2.7	1.0	2.2	70 a-e	75 b-f	18.29 abc	2958 c-i	542 b-j
VT 004167	0.8	0.9	90 a-d	6.68	32 m-q	2.6	1.5	4.4	62 m	71 l	14.86 ghi	3037 b-i	444 h-k
VT 004180	1.6	1.3	77 c-h	6.90	29 opq	3.3	1.2	3.9	66 f-l	74 fgh	16.40 c-i	2323 hi	365 jk
VT 024051	0.6	0.6	75 e-h	6.60	37 h-o	2.6	1.0	2.0	71 abc	76 abc	18.62 abc	3840 a-e	719 a-g
Mean	1.3	0.9	83	6.68	40	2.6	0.9	3.1	68	75	17.26	3454	600
CV (%)[4]			10		11				3	1	8	19	22

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 30. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.5	2.8	73 k-n	5.47	29 m	3.5	1.5	1.3	69 b-i	75 e-i	18.26 abc	3351 c-i	606 b-i
Gregory	4.3	3.4	87 a-f	5.50	51 b-e	3.4	0.7	1.5	70 a-e	75 d-i	18.80 ab	3398 b-i	621 b-i
NC 12C	4.1	2.3	76 g-m	5.47	46 e-h	5.2	0.9	1.5	68 b-i	76 b-f	18.86 ab	3699 a-h	680 a-g
VA 98R	1.3	2.0	78 d-m	5.45	34 lm	3.8	1.5	2.1	68 c-j	76 c-h	17.86 abc	3489 a-i	615 b-i
Wilson	1.1	8.5	76 f-m	5.40	33 lm	2.5	1.5	1.5	66 g-j	72 l	17.22 bc	3725 a-g	640 b-h
Perry	2.3	2.0	65 no	5.53	37 i-l	3.8	2.0	1.7	69 a-g	77 a-d	18.65 ab	3221 c-j	591 d-j
CHAMPS	4.5	4.9	75 i-n	5.43	33 lm	2.5	1.5	1.1	71 ab	76 b-f	18.72 ab	2804 f-k	518 e-k
Phillips	2.6	2.3	73 j-n	5.43	48 d-g	3.3	1.1	1.5	70 a-d	76 b-f	18.83 ab	3278 c-i	606 b-i
N99103ol(9)	1.8	8.1	72 k-n	5.55	34 lm	5.0	1.0	2.2	67 e-j	75 d-i	17.58 abc	3587 a-i	615 b-i
VT 976133	2.6	6.0	77 e-m	5.45	38 i-l	2.4	1.9	3.7	67 e-j	75 e-i	16.43 c	3745 a-f	599 c-i
Brantley	5.4	1.8	81 c-l	5.47	49 c-f	3.9	1.3	3.4	68 d-j	76 b-e	17.83 abc	2347 jk	396 k
N00098ol(Gre)	4.1	1.4	83 b-j	5.43	35 kl	4.8	1.6	2.7	65 j	75 f-j	16.97 bc	2847 f-k	458 h-k
N00035J	2.3	1.6	90 abc	5.30	55 abc	3.6	1.0	2.8	66 ij	73 jk	17.03 bc	3828 a-e	640 b-h
N01054	1.8	4.3	89 abc	5.40	51 b-e	2.8	0.9	1.5	69 a-g	74 h-k	18.41 ab	4300 ab	782 abc
N01083	1.4	1.9	84 a-i	5.20	49 c-f	4.3	0.8	2.5	67 f-j	74 g-k	17.41 abc	4135 abc	711 a-d
VT 003069	4.2	1.8	86 a-g	5.55	43 f-i	3.9	1.0	1.8	71 ab	78 a	19.27 a	3232 c-j	608 b-i
VT 003126	2.3	5.2	71 l-o	5.53	37 jkl	2.6	1.3	2.2	70 a-d	76 b-e	17.93 abc	3327 c-i	584 d-j
VT 003159	2.0	2.4	88 a-e	5.53	42 g-j	3.0	1.3	2.7	66 hij	73 kl	17.07 bc	2967 d-k	493 h-k
VT 003167	1.6	1.8	82 c-k	5.68	42 g-j	4.3	1.6	1.1	69 b-h	76 b-g	18.75 ab	3747 a-f	694 a-f
VT 003181	2.5	3.0	89 abc	5.45	33 lm	3.5	1.5	1.7	67 d-j	74 g-k	17.95 abc	2894 e-k	515 f-k
VT 004100	2.0	2.6	89 abc	5.43	45 fgh	2.5	1.3	1.0	71 abc	75 c-h	18.85 ab	3224 c-j	601 b-i
VT 004123	3.1	1.6	85 a-i	5.50	47 d-h	3.2	1.5	1.4	69 a-g	75 d-i	18.65 ab	2646 ijk	480 h-k
VT 004178	1.8	1.6	94 a	5.43	53 a-d	2.5	0.9	1.4	69 a-g	74 ijk	18.53 ab	3841 a-e	703 a-d
N01013T	2.9	0.9	71 l-o	5.63	45 fgh	6.2	1.5	1.8	68 d-j	77 abc	18.85 ab	2822 f-k	517 f-k
N02005	2.3	1.5	88 a-d	5.43	59 a	2.8	0.8	1.9	72 a	77 ab	19.27 a	4346 a	824 a
N02006	2.2	2.6	89 abc	5.53	57 ab	2.3	1.0	1.9	70 abc	76 b-g	18.54 ab	3842 a-e	700 a-e

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 30. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	3.6	8.1	85 a-h	5.43	55 ab	3.5	1.1	1.5	70 a-d	76 b-e	18.57 ab	4345 a	784 ab
N02009	3.1	7.0	82 c-k	5.43	55 ab	3.6	0.9	1.0	72 a	77 ab	19.17 a	3919 a-d	740 a-d
N02010	3.8	2.3	87 a-f	5.38	54 abc	3.3	1.0	2.7	70 a-e	77 a-d	18.13 abc	3580 a-i	628 b-i
N02020J	2.7	2.0	93 ab	5.45	57 ab	2.3	0.9	3.0	69 a-g	75 c-h	17.47 abc	3740 a-f	632 b-i
N02060ol(Per)	1.2	2.6	76 g-m	5.63	36 jkl	3.2	2.1	1.0	69 a-e	76 b-h	18.65 ab	3379 b-i	626 b-i
VT 003193	2.5	1.3	71 l-o	5.40	33 lm	3.8	1.4	1.5	69 b-h	75 c-h	18.51 ab	3173 d-j	586 d-j
VT 003194	2.9	2.7	80 c-l	5.40	33 lm	3.8	1.8	1.9	69 b-i	76 b-f	18.39 ab	2779 g-k	503 g-k
VT 004167	2.9	3.3	62 o	5.38	35 klm	3.5	2.5	1.7	65 j	73 jk	17.04 bc	2755 h-k	452 ijk
VT 004180	3.5	2.3	75 h-m	5.60	42 g-j	4.0	1.3	1.3	69 a-f	76 b-f	18.76 ab	2226 k	415 jk
VT 024051	1.8	2.1	70 mno	5.60	41 h-k	2.6	1.3	1.7	71 ab	77 a-d	18.86 ab	3886 a-d	724 a-d
Mean	2.7	3.1	80	5.47	43	3.5	1.3	1.9	69	75	18.22	3401	608
CV (%)[4]			8		9				2	1	6	16	17

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 31. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig I – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.9	1.0	69 lmn	5.90	34 n	2.0	1.8	2.3	68 a-e	74 c-g	$17.86 ab	3479 a-g	618 a-f
Gregory	1.7	1.2	88 a-e	5.80	48 c-h	2.0	1.3	4.2	64 ghi	71 jk	15.36 efg	3302 b-g	497 def
NC 12C	3.1	1.0	79 g-k	5.70	47 c-i	2.2	1.3	2.9	69 a-e	75 cd	17.78 ab	3554 a-g	618 a-f
VA 98R	0.9	0.9	69 lmn	5.80	40 j-n	2.8	1.7	2.1	69 a-e	75 cd	18.25 ab	3384 a-g	617 a-f
Wilson	0.3	1.1	81 f-j	5.68	38 lmn	2.1	1.5	2.0	66 c-h	71 jk	17.15 a-f	4514 a	772 ab
Perry	0.7	0.9	68 no	5.82	43 f-l	3.3	1.6	1.9	69 a-e	75 cd	18.44 ab	3330 a-g	612 a-f
CHAMPS	1.0	0.8	76 jk	5.78	42 h-m	1.8	1.6	1.4	70 ab	75 cde	18.54 ab	3404 a-g	629 a-f
Phillips	0.8	0.6	76 jk	5.65	45 e-l	3.1	1.8	2.8	67 a-g	75 c-g	17.52 a-d	3257 c-g	571 a-f
N99103ol(9)	0.6	0.6	69 mno	5.80	39 k-n	3.4	1.5	2.8	68 a-f	75 bcd	17.58 a-d	4472 ab	791 a
VT 976133	1.3	0.9	77 ijk	5.70	42 h-m	3.5	1.6	4.8	65 e-h	75 cd	15.67 c-g	3650 a-g	580 a-f
Brantley	3.1	0.9	83 e-i	5.82	53 abc	2.5	1.1	2.6	69 a-e	75 c-g	17.74 ab	3174 c-g	560 a-f
N00098ol(Gre)	1.7	0.9	85 c-g	5.65	44 e-l	2.8	1.4	2.8	67 a-g	74 d-g	17.62 abc	3177 c-g	556 a-f
N00035J	0.8	0.6	93 a	5.80	56 a	2.9	0.9	2.8	66 c-h	72 hij	17.31 a-f	3467 a-g	596 a-f
N01054	0.7	0.8	90 a-d	5.72	49 b-g	2.6	1.5	1.7	67 a-g	73 f-i	17.78 ab	3396 a-g	599 a-f
N01083	0.8	0.8	82 e-i	5.85	46 d-j	4.3	1.5	4.5	61 i	71 k	14.82 g	2844 efg	410 f
VT 003069	1.0	0.4	84 d-h	5.78	50 b-f	4.3	1.0	2.3	70 a	78 a	18.83 a	4093 a-d	769 ab
VT 003126	1.3	0.7	74 klm	5.75	38 lmn	2.2	2.1	1.8	68 a-f	74 c-g	18.07 ab	2908 d-g	524 c-f
VT 003159	1.0	1.0	91 abc	5.72	45 e-k	3.2	1.1	4.4	63 hi	72 jk	15.56 d-g	3193 c-g	490 def
VT 003167	0.8	0.8	86 a-f	5.68	44 e-l	2.2	1.6	2.1	67 a-g	73 ghi	17.78 ab	3423 a-g	605 a-f
VT 003181	1.1	0.5	88 a-e	5.88	44 e-l	2.8	1.3	1.9	69 a-e	75 c-f	18.40 ab	2993 d-g	553 a-f
VT 004100	2.2	1.6	88 a-f	5.97	40 j-n	2.0	1.7	5.1	65 fgh	73 e-i	15.34 fg	3047 c-g	478 def
VT 004123	1.4	1.1	85 c-g	5.82	47 c-h	2.1	1.0	2.1	69 abc	75 c-g	18.35 ab	3285 b-g	595 a-f
VT 004178	1.5	1.2	93 a	5.68	46 d-j	2.0	1.3	4.4	64 ghi	72 jk	15.28 fg	3082 c-g	457 ef
N01013T	1.7	0.7	83 e-i	5.90	53 abc	2.7	1.0	1.3	70 a	76 bcd	19.02 a	3764 a-g	713 a-d
N02005	1.6	0.8	84 d-h	5.80	50 b-f	1.6	1.3	2.1	69 a-e	74 d-i	17.94 ab	2913 d-g	516 c-f
N02006	0.8	0.6	89 a-e	5.72	55 ab	2.5	1.3	1.5	69 a-e	74 d-h	18.59 a	4005 a-e	742 abc

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 31. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig I – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.8	1.0	86 b-f	5.75	50 a-e	2.3	1.4	2.0	69 a-e	75 c-g	18.34 ab	3615 a-g	654 a-e
N02009	1.3	1.1	83 e-i	5.63	52 a-d	2.0	1.1	2.5	70 ab	76 bcd	18.55 ab	3777 a-g	694 a-e
N02010	2.8	1.4	86 b-f	5.85	52 a-d	2.0	1.2	1.8	69 a-d	74 d-g	18.42 ab	3501 a-g	635 a-f
N02020J	1.1	0.9	92 ab	5.90	53 abc	2.0	1.2	3.6	66 b-g	73 f-i	16.45 b-g	794 fg	460 ef
N02060ol(Per)	0.5	1.1	78 h-k	5.82	44 e-l	2.2	1.6	0.9	69 a-d	74 d-h	18.51 ab	3690 a-g	682 a-e
VT 003193	1.0	0.7	75 kl	5.70	40 i-n	2.8	1.7	3.5	67 a-g	75 bcd	17.11 a-f	3881 a-f	657 a-e
VT 003194	0.8	1.0	78 ijk	5.80	36 mn	2.9	2.0	3.0	67 a-g	75 cde	17.05 a-f	2653 g	456 ef
VT 004167	0.4	0.5	88 a-e	5.75	44 e-l	3.0	1.4	2.4	66 d-h	72 ijk	17.38 a-e	3666 a-g	635 a-f
VT 004180	1.6	0.9	75 jk	5.70	42 g-m	3.7	1.1	2.6	69 a-e	76 bc	17.98 ab	2983 d-g	535 b-f
VT 024051	0.7	0.6	63 o	5.70	46 d-j	2.6	1.7	2.1	71 a	77 ab	18.78 a	4204 abc	785 a
Mean	1.2	0.9	81	5.77	45	2.6	1.4	2.6	67	74	17.53	3441	602
CV (%)[4]			5		9				3	1	7	20	23

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 32. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.9	1.0	60 m	5.35	36 hi	5.5	2.8	3.5	63 a-g	75 d-k	$16.11 a-f	2231 a-g	370 a-g
Gregory	2.5	1.6	80 b-g	5.45	42 c-i	4.7	1.9	7.0	60 c-i	74 g-m	13.91 ef	1394 d-j	210 f-k
NC 12C	4.0	1.1	72 g-k	5.45	47 a-g	6.9	1.5	3.7	65 a-e	77 abc	17.31 a-e	2013 b-i	359 a-h
VA 98R	1.1	0.8	61 lm	5.43	40 d-i	6.7	2.2	3.4	64 a-g	76 a-g	17.02 a-e	2490 abc	427 a-d
Wilson	0.9	1.3	67 i-m	5.57	33 i	4.8	2.8	2.8	62 a-h	72 m	16.47 a-f	1685 b-j	291 a-k
Perry	1.4	1.1	64 klm	5.53	45 a-h	5.4	1.9	2.0	67 a	76 a-e	18.56 a	2588 ab	476 a
CHAMPS	1.8	5.3	72 g-k	5.43	41 c-i	4.4	3.2	3.9	63 a-h	74 e-m	15.95 a-f	1347 e-j	217 e-k
Phillips	1.5	0.8	78 b-h	5.40	52 ab	7.6	1.1	2.3	66 ab	77 a-d	18.52 a	2037 b-i	375 a-g
N99103ol(9)	0.6	0.6	66 j-m	5.57	40 e-i	9.1	1.6	3.3	62 b-h	76 b-g	17.09 a-e	2357 a-e	412 a-f
VT 976133	2.4	0.9	75 e-j	5.43	44 a-h	7.4	2.3	7.2	59 ghi	76 a-f	14.48 b-f	2041 b-i	313 a-k
Brantley	5.4	1.8	70 h-l	5.45	41 d-i	7.2	2.0	6.8	60 c-i	76 a-e	14.19 def	1107 hij	152 ijk
N00098ol(Gre)	4.5	1.4	70 g-l	5.50	33 i	8.3	1.9	5.0	60 d-i	75 c-j	15.25 a-f	858 j	139 jk
N00035J	1.3	4.6	90 a	5.35	49 a-d	7.6	1.7	5.8	57 hi	73 lm	13.84 ef	2332 a-f	334 a-j
N01054	0.9	0.7	87 ab	5.32	48 a-e	8.1	1.3	3.0	62 a-h	75 e-l	17.33 a-e	2149 a-h	371 a-g
N01083	0.9	0.7	78 b-h	5.40	44 a-h	10.6	1.7	6.0	55 i	73 h-m	14.26 c-f	3136 a	446 ab
VT 003069	3.0	1.3	76 d-i	5.45	38 ghi	8.9	1.9	4.7	62 a-h	77 ab	16.23 a-f	1293 f-j	214 e-k
VT 003126	1.5	0.9	66 j-m	5.30	43 b-h	5.7	2.8	2.2	65 abc	76 a-f	18.03 ab	1939 b-i	352 a-i
VT 003159	2.1	1.1	90 a	5.25	47 a-f	6.7	1.4	5.1	60 f-i	73 klm	15.22 a-f	1481 c-j	236 d-k
VT 003167	1.2	1.1	74 f-k	5.53	38 ghi	6.6	2.7	5.8	60 d-i	75 d-k	14.32 c-f	1811 b-j	266 b-k
VT 003181	2.6	1.4	77 b-h	5.38	39 e-i	6.9	2.3	5.7	60 c-i	75 b-i	15.31 a-f	1058 ij	161 h-k
VT 004100	2.9	5.9	73 g-k	5.53	37 hi	5.2	1.8	5.8	61 b-h	74 f-m	14.09 def	1591 b-j	240 c-k
VT 004123	2.1	1.7	77 c-h	5.47	44 a-h	4.5	2.0	2.9	67 ab	76 a-g	17.63 a-d	1189 g-j	212 f-k
VT 004178	3.9	2.3	83 a-f	5.40	40 d-i	5.8	2.2	7.5	58 hi	73 j-m	13.14 f	1049 ij	117 k
N01013T	3.9	1.0	66 j-m	5.45	42 c-i	9.5	2.0	2.7	64 a-g	78 a	17.91 ab	1331 e-j	232 d-k
N02005	2.9	1.0	77 c-i	5.40	51 ab	6.1	1.6	2.7	67 ab	77 a-d	18.26 a	1795 b-j	319 a-k
N02006	1.9	1.1	84 a-e	5.47	51 ab	4.4	1.9	3.8	65 a-f	75 c-j	16.41 a-f	2248 a-f	373 a-g

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 32. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.7	0.8	83 a-f	5.40	52 a	5.9	2.2	2.0	65 a-d	75 b-h	18.37 a	2396 a-d	443 abc
N02009	3.1	1.3	75 e-j	5.53	49 abc	6.4	2.0	3.1	65 a-f	76 a-e	17.40 a-e	1860 b-j	316 a-k
N02010	3.6	0.9	75 e-j	5.35	47 a-g	5.1	2.0	4.1	65 a-f	76 a-g	16.55 a-f	1197 g-j	197 g-k
N02020J	1.9	5.3	85 a-d	5.40	48 a-e	5.8	1.8	5.8	61 b-h	75 e-l	15.13 a-f	1657 b-j	258 b-k
N02060ol(Per)	1.4	1.5	64 klm	5.53	38 ghi	4.7	2.4	2.3	67 ab	76 a-g	17.78 abc	2356 a-e	417 a-e
VT 003193	1.6	0.8	72 g-k	5.40	38 ghi	7.3	2.1	5.4	61 b-h	76 a-f	15.52 a-f	1927 b-i	313 a-k
VT 003194	1.3	0.9	65 j-m	5.45	33 i	10.3	3.2	4.0	58 ghi	76 a-g	16.25 a-f	1474 c-j	243 b-k
VT 004167	1.3	0.9	86 abc	5.35	42 c-i	7.4	1.7	4.3	60 e-i	73 i-m	15.76 a-f	1772 b-j	292 a-k
VT 004180	2.5	0.9	61 lm	5.55	39 f-i	8.3	2.3	4.0	61 b-h	76 a-g	16.51 a-f	1358 d-j	218 e-k
VT 024051	2.3	0.9	46 n	5.53	38 hi	8.7	2.0	4.7	63 a-h	78 a	16.11 a-f	1982 b-i	317 a-k
Mean	2.2	1.6	73	5.44	42	6.8	2.1	4.3	62	75	16.17	1792	295
CV (%)[4]			8		12				5	2	13	34	40

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 33. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig I – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.5	1.0	76 kl	5.97	32 mn	1.9	2.1	1.3	67 a-g	73 a-g	$17.69 a-f	3980 abc	709 a-e
Gregory	2.2	2.0	88 a-g	6.07	46 b-f	3.0	1.4	3.2	63 h-k	70 g-j	16.40 a-i	4139 abc	685 a-e
NC 12C	3.2	1.4	84 e-i	6.03	45 b-g	3.0	1.5	2.4	67 a-g	74 a-d	18.00 a-e	3769 bcd	665 b-e
VA 98R	1.1	1.1	70 m	6.25	32 mn	3.8	2.0	3.6	64 d-j	73 a-f	16.22 c-i	4043 abc	672 b-e
Wilson	0.6	0.7	85 c-h	6.22	32 mn	2.8	1.5	2.0	64 e-j	70 g-k	16.88 a-h	4149 abc	707 a-e
Perry	1.3	1.8	70 m	6.15	41 d-j	3.1	1.8	1.8	67 a-g	74 a-e	17.85 a-f	3978 abc	717 a-e
CHAMPS	1.5	1.0	79 h-l	6.10	33 lmn	2.6	1.7	1.2	68 a-e	73 a-f	18.01 a-e	4467 ab	804 ab
Phillips	1.4	0.8	82 g-k	5.95	47 a-d	2.8	1.3	1.3	67 a-g	73 a-g	18.20 a-d	4051 abc	737 a-d
N99103ol(9)	1.1	0.7	78 i-l	6.28	30 n	3.1	1.8	2.8	66 b-h	73 a-f	16.98 a-g	4130 abc	717 a-e
VT 976133	2.3	1.0	82 f-j	6.05	37 i-m	3.1	2.0	3.9	62 h-k	71 e-i	15.52 f-i	4483 ab	740 a-d
Brantley	2.7	0.9	86 b-g	5.93	51 ab	3.0	0.8	2.9	65 c-i	72 c-h	17.20 a-g	4027 abc	693 a-e
N00098ol(Gre)	2.3	1.2	86 b-g	6.10	32 mn	4.2	1.9	3.2	61 h-k	71 f-i	16.13 c-i	3907 abc	645 b-e
N00035J	1.4	1.6	91 abc	5.97	47 a-e	3.3	2.0	3.2	59 k	67 k	15.11 ghi	3964 abc	648 b-e
N01054	1.1	1.4	88 a-e	5.97	44 c-h	2.7	1.6	2.8	63 g-j	70 g-j	16.67 a-i	4001 abc	683 a-e
N01083	1.2	1.3	85 c-h	6.03	40 e-k	3.8	1.8	4.4	60 jk	70 h-k	14.55 hi	4446 ab	665 b-e
VT 003069	2.7	1.2	84 d-h	6.05	40 e-k	3.9	1.1	2.2	68 abc	76 a	18.38 a-d	4373 ab	800 ab
VT 003126	1.0	0.8	78 i-l	6.25	42 d-i	2.8	1.5	1.4	68 a-d	74 a-e	18.28 a-d	4239 abc	772 ab
VT 003159	1.6	1.9	88 a-e	6.07	40 f-l	2.7	2.3	4.0	58 k	67 jk	14.43 i	3755 bcd	597 cde
VT 003167	1.3	0.9	83 e-j	6.20	35 j-n	2.5	1.9	2.7	65 c-i	72 b-h	17.09 a-g	4205 abc	714 a-e
VT 003181	1.9	1.5	90 a-d	6.07	38 g-m	2.0	1.7	3.2	63 f-j	70 g-j	15.67 e-i	4194 abc	699 a-e
VT 004100	1.9	1.4	87 a-g	6.22	37 h-m	1.9	1.9	2.3	65 c-i	71 d-h	16.91 a-h	4006 abc	687 a-e
VT 004123	2.8	1.2	88 a-g	6.03	44 b-g	2.3	1.9	3.3	64 e-j	71 e-i	15.95 d-i	3970 abc	659 b-e
VT 004178	1.1	1.4	92 a	6.20	47 a-d	2.1	1.5	3.6	61 ijk	68 ijk	14.89 ghi	4134 abc	655 b-e
N01013T	2.0	1.0	84 d-h	6.03	49 abc	3.4	1.4	1.1	69 abc	75 abc	18.82 a	4542 a	847 a
N02005	1.6	1.0	88 a-f	6.35	51 ab	2.5	1.6	1.3	68 abc	74 a-e	18.39 a-d	4049 abc	740 a-d
N02006	1.7	1.7	88 a-f	6.05	47 a-d	2.2	2.0	3.2	62 h-k	69 h-k	15.55 f-i	3531 cd	593 de

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 33. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig I – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.0	1.3	87 a-g	5.95	50 abc	2.2	1.8	1.0	68 a-e	73 a-g	18.19 a-d	4201 abc	767 abc
N02009	2.2	0.9	83 e-j	6.22	53 a	2.0	1.1	1.2	70 a	75 abc	18.77 ab	4177 abc	777 ab
N02010	2.0	1.1	90 a-d	5.95	53 a	2.4	1.5	1.4	68 a-d	73 a-f	18.37 a-d	4246 abc	775 ab
N02020J	2.1	1.6	92 ab	5.97	49 abc	3.0	1.7	2.7	62 h-k	70 g-k	16.33 b-i	3763 bcd	637 b-e
N02060ol(Per)	1.9	1.7	78 jkl	6.05	37 h-m	2.2	1.7	1.5	70 ab	75 a	18.44 abc	3087 d	565 e
VT 003193	1.7	1.1	76 l	5.97	36 i-n	3.0	1.4	3.0	67 a-g	74 a-d	16.97 a-g	3896 abc	668 b-e
VT 003194	1.7	0.9	87 a-g	6.00	38 g-m	4.0	1.3	1.5	68 a-f	74 abc	18.27 a-d	4261 abc	773 ab
VT 004167	0.8	1.4	88 a-f	6.05	35 k-n	4.1	1.9	1.9	60 jk	68 ijk	16.45 a-i	4024 abc	686 a-e
VT 004180	1.6	1.0	85 c-h	6.07	44 c-h	2.6	1.1	2.2	67 a-g	73 a-f	17.70 a-f	4315 ab	767 abc
VT 024051	2.2	1.0	69 m	6.05	40 f-k	4.3	1.6	2.0	67 a-g	75 ab	18.21 a-d	3852 abc	700 a-e
Mean	1.7	1.2	84	6.08	41	2.9	1.6	2.4	65	72	17.04	4065	705
CV (%)[4]			4		9				4	2	8	11	14

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 34. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II - two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	0.8	73 k-n	6.25	41 opq	2.5	2.1	2.0	67 a-e	74 c-h	17.98 abc	4037 a-e	728 abc
Gregory	2.0	1.2	86 b-g	6.10	53 b-j	2.0	1.9	2.9	65 a-e	72 e-i	16.96 abc	3875 a-e	677 abc
NC 12C	3.7	1.1	83 e-i	6.20	56 a-g	3.7	1.3	2.1	69 a-d	76 a-d	18.80 ab	4109 a-e	759 abc
VA 98R	1.5	0.8	72 mno	6.13	42 m-q	3.6	2.0	2.7	66 a-e	74 b-g	17.60 abc	4185 a-e	744 abc
Wilson	1.0	0.9	79 g-l	6.13	39 q	3.5	1.8	1.5	65 a-e	72 ghi	17.59 abc	3527 de	619 c
Perry	2.0	1.0	68 no	6.13	48 h-o	3.8	1.8	1.1	70 ab	77 abc	19.08 a	4038 a-e	767 abc
CHAMPS	1.6	0.9	76 j-m	6.13	45 k-q	2.8	1.7	1.5	69 abc	76 a-e	18.64 ab	3999 a-e	741 abc
Phillips	1.6	0.8	80 g-k	6.13	55 a-i	3.7	1.5	1.8	68 a-d	75 a-g	18.55 ab	4405 ab	817 ab
N99103ol(9)	1.2	0.6	78 i-m	6.10	43 l-q	4.7	1.3	2.3	67 a-e	75 a-f	18.27 abc	4034 a-e	743 abc
VT 976133	2.3	0.8	82 e-j	6.03	46 j-q	2.9	1.4	4.1	66 a-e	75 a-g	16.37 c	4380 ab	747 abc
Brantley	3.5	1.0	85 b-h	6.05	56 a-g	3.6	1.6	3.0	64 b-e	73 d-i	17.04 abc	3631 b-e	617 c
N00098ol(Gre)	2.7	1.0	87 a-f	6.13	47 i-p	3.8	1.8	2.2	65 a-e	73 c-i	17.82 abc	4090 a-e	717 abc
N00035J	1.0	0.9	93 a	5.88	56 a-g	2.6	1.8	2.4	63 de	70 i	16.85 bc	4094 a-e	711 abc
N01054	0.7	0.9	88 a-f	6.03	55 a-h	3.2	1.3	1.3	67 a-e	73 d-i	18.28 abc	4616 a	853 a
N01083	0.8	0.9	83 d-i	6.18	50 f-m	3.8	1.9	3.1	61 e	70 i	16.38 c	4230 a-d	725 abc
VT 003069	2.3	0.8	84 c-i	5.93	49 g-o	3.8	1.1	2.6	70 ab	78 a	18.55 ab	4288 a-d	789 abc
VT 003126	1.3	0.7	79 h-l	6.03	51 d-l	2.6	2.4	2.2	67 a-e	74 c-h	17.98 abc	4121 a-e	740 abc
VT 003159	1.0	0.8	91 ab	6.15	52 c-k	2.8	1.8	2.5	64 cde	71 hi	17.23 abc	4189 a-e	729 abc
VT 003167	1.4	1.4	82 e-j	6.15	42 n-q	2.5	3.1	2.0	65 a-e	72 e-i	17.06 abc	3632 b-e	636 bc
VT 003181	1.7	0.8	89 a-e	5.97	40 pq	3.1	2.1	1.9	65 a-e	72 f-i	17.46 abc	4033 a-e	706 abc
VT 004100	1.5	0.9	88 a-f	6.20	51 d-l	2.5	1.3	1.6	69 a-d	75 a-g	18.59 ab	4276 a-d	793 abc
VT 004123	1.6	0.9	85 b-h	6.20	52 c-k	2.9	1.5	1.3	69 abc	75 a-g	18.79 ab	3823 a-e	715 abc
VT 004178	1.6	1.0	93 a	5.93	57 a-f	2.6	1.0	3.3	66 a-e	73 d-i	16.91 abc	4105 a-e	693 abc
N01013T	2.2	0.9	81 f-j	6.22	52 b-j	5.3	2.0	0.8	67 a-e	75 a-g	18.75 ab	4314 a-d	806 abc
N02005	1.7	0.8	86 b-g	6.03	59 abc	3.0	1.5	1.5	69 a-d	75 a-g	18.69 ab	4037 a-e	755 abc
N02006	2.0	1.0	88 a-e	6.38	57 a-e	2.5	2.0	1.4	67 a-e	73 d-i	18.17 abc	3886 a-e	708 abc

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 34. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II - two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.9	1.0	84 c-i	6.25	56 a-g	3.1	2.0	1.7	68 a-d	74 b-g	18.35 abc	4223 a-d	780 abc
N02009	1.8	0.9	83 d-i	6.20	60 ab	2.8	1.5	1.9	69 a-d	75 a-g	18.38 abc	4029 a-e	758 abc
N02010	2.0	0.8	90 a-d	5.97	61 a	2.8	1.5	1.6	69 a-d	75 a-g	18.41 abc	4542 a	825 ab
N02020J	1.2	1.2	92 ab	5.93	58 a-d	2.6	1.7	2.0	66 a-e	72 e-i	17.91 abc	4578 a	826 ab
N02060ol(Per)	1.3	1.4	73 l-o	6.25	43 l-q	2.3	2.0	1.7	69 a-d	75 a-g	18.49 abc	3574 cde	652 bc
VT 003193	1.5	0.6	82 e-j	6.03	42 m-q	4.5	1.1	2.5	68 a-d	76 a-d	17.97 abc	3833 a-e	689 abc
VT 003194	1.4	0.8	86 b-g	6.03	42 m-q	5.1	1.5	2.1	67 a-e	75 a-f	18.25 abc	3942 a-e	714 abc
VT 004167	1.1	0.4	90 abc	5.82	49 g-n	4.0	1.4	1.5	65 a-e	72 f-i	17.48 abc	4172 a-e	738 abc
VT 004180	2.2	0.9	84 c-i	6.15	50 e-l	5.0	1.9	2.2	66 a-e	75 a-g	18.19 abc	3419 e	617 c
VT 024051	2.3	0.6	67 o	6.25	44 k-q	4.0	1.2	2.1	70 a	78 ab	18.63 ab	4342 abc	823 ab
Mean	1.7	0.9	83	6.10	50	3.3	1.7	2.1	67	74	17.96	4072	735
CV (%)[4]			5		9				5	3	7	11	15

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 35. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I - two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.4	1.5	80 lm	6.38	33 mn	1.8	2.6	0.4	67 e-j	72 d-j	$17.83 d-h	5244 ab	933 a-e
Gregory	1.1	1.7	94 a-e	6.00	49 a-e	1.7	1.7	1.4	66 i-l	71 j-m	17.56 f-i	5231 ab	912 b-e
NC 12C	1.7	1.4	86 ijk	6.40	46 b-g	1.6	1.4	1.0	69 b-g	73 c-h	18.30 a-e	4993 bc	903 b-e
VA 98R	0.3	1.2	79 lm	6.32	34 lmn	1.8	2.2	0.4	68 b-i	73 c-i	18.02 c-f	5381 ab	967 a-e
Wilson	0.3	1.2	82 jkl	6.60	32 n	1.5	1.9	0.4	66 i-l	70 mno	17.31 ghi	5201 ab	898 b-f
Perry	0.7	2.0	74 n	6.05	36 k-n	1.1	2.2	1.1	68 b-i	73 c-i	17.81 d-h	4965 bc	880 c-f
CHAMPS	1.0	1.3	82 klm	6.25	36 k-n	0.9	1.8	0.2	70 a-d	73 c-g	18.30 a-e	5603 a	1018 ab
Phillips	0.5	1.0	88 ghi	6.45	44 c-i	1.8	2.1	0.5	68 b-i	73 c-h	18.22 b-f	5273 ab	957 a-e
N99103ol(9)	0.5	0.8	80 lm	6.22	33 mn	1.6	2.2	0.7	69 b-h	73 c-f	18.08 c-f	5175 ab	932 a-e
VT 976133	0.8	1.1	85 ijk	6.22	43 f-j	1.5	1.5	0.4	70 a-e	73 cde	18.43 a-d	5467 ab	1003 abc
Brantley	1.6	1.3	93 a-f	6.45	53 a	1.5	1.6	0.7	68 d-i	71 f-k	18.07 c-f	5362 ab	960 a-e
N00098ol(Gre)	0.9	0.9	92 b-g	6.40	44 d-i	1.4	1.9	0.4	68 c-i	72 e-k	18.02 c-f	5546 ab	993 a-d
N00035J	0.6	1.5	97 a	6.10	53 a	1.6	1.6	0.9	66 h-l	70 k-n	17.67 e-i	5328 ab	938 a-e
N01054	0.5	1.1	93 a-f	6.38	44 d-i	1.3	1.6	0.3	68 d-i	71 j-m	17.90 d-g	5335 ab	952 a-e
N01083	0.4	1.2	94 a-d	6.25	43 e-i	2.0	2.3	1.8	62 m	68 o	16.63 j	5338 ab	887 c-f
VT 003069	0.7	1.3	92 b-g	6.28	46 b-g	2.3	1.6	0.6	71 ab	75 a	18.90 a	5573 ab	1049 a
VT 003126	0.8	0.9	78 mn	6.18	40 h-k	1.8	1.7	0.3	70 abc	74 abc	18.65 abc	5177 ab	960 a-e
VT 003159	0.6	1.5	94 a-e	6.32	45 c-h	1.1	2.0	1.5	65 jkl	70 lmn	17.19 hij	5292 ab	906 b-e
VT 003167	0.6	1.6	91 d-h	6.47	38 j-m	1.8	2.8	1.4	64 klm	70 k-n	17.11 ij	5102 ab	869 def
VT 003181	0.7	1.1	94 a-e	6.47	41 g-k	1.9	1.6	0.1	68 c-i	72 e-k	18.08 c-f	5339 ab	960 a-e
VT 004100	0.6	1.6	95 a-d	6.72	43 f-j	1.1	1.8	0.5	68 d-j	71 i-m	17.83 d-h	5305 ab	943 a-e
VT 004123	1.2	1.8	94 a-e	6.13	46 b-g	1.1	1.9	0.6	68 c-i	72 e-k	18.00 c-f	5479 ab	979 a-e
VT 004178	0.5	1.5	95 abc	6.13	49 a-d	1.0	1.4	0.7	67 g-k	70 mn	17.65 e-i	5462 ab	961 a-e
N01013T	0.6	1.6	91 c-g	6.40	48 a-f	2.2	1.8	0.8	68 b-i	73 c-g	18.38 a-d	5562 ab	1021 ab
N02005	0.8	0.9	93 a-f	6.75	53 a	1.1	2.1	0.6	69 b-f	73 cde	18.47 a-d	5419 ab	996 a-d
N02006	0.7	1.3	92 a-g	6.30	49 a-d	1.3	1.8	0.4	68 c-i	71 g-k	18.06 c-f	5000 abc	899 b-f

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 35. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I - two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	0.7	1.4	94 a-e	6.43	50 abc	1.3	1.4	0.3	70 a-d	73 c-g	18.59 abc	5314 ab	982 a-e
N02009	0.6	1.3	90 d-h	6.85	50 abc	1.1	2.2	0.9	69 b-h	73 c-h	18.19 c-f	5237 ab	948 a-e
N02010	0.8	1.3	91 b-g	6.35	50 abc	0.9	1.6	0.6	70 a-e	73 c-h	18.40 a-d	5439 ab	996 a-d
N02020J	0.5	1.4	96 ab	6.18	51 ab	1.4	1.8	0.8	67 f-j	71 j-m	17.86 d-g	5120 ab	913 b-e
N02060ol(Per)	0.6	2.0	86 hij	6.85	34 lmn	0.9	2.7	0.8	67 f-j	71 h-l	17.53 f-i	4477 c	781 f
VT 003193	0.6	1.0	86 ijk	6.30	31 n	1.4	2.0	0.5	69 b-g	73 c-h	18.06 c-f	5437 ab	976 a-e
VT 003194	0.9	1.2	89 f-i	6.30	38 j-m	2.3	1.5	0.6	69 b-g	74 bcd	18.37 a-d	5259 ab	961 a-e
VT 004167	0.4	1.1	94 a-d	6.40	39 i-l	2.2	2.1	1.0	64 lm	69 no	17.09 ij	5043 ab	859 ef
VT 004180	0.6	1.4	90 e-i	6.28	44 c-i	2.1	1.5	0.3	69 b-g	73 c-g	18.48 a-d	5522 ab	1017 ab
VT 024051	0.9	1.0	78 lm	6.30	43 e-j	1.0	1.5	0.3	72 a	75 ab	18.88 ab	5449 ab	1023 ab
Mean	0.7	1.3	89	6.36	43	1.5	1.9	0.7	68	72	18.00	5290	948
CV (%)[4]			3		8				2	1	2	7	8

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 36. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II - two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.8	0.6	79 k-n	7.05	44 m	2.7	2.7	0.6	68 b-g	74 g-l	$18.51 b-h	6123 a-e	1126 a-e
Gregory	1.7	0.5	94 a-d	6.78	59 abc	3.3	1.8	1.2	67 c-j	74 j-o	18.53 b-h	6196 a-d	1135 a-d
NC 12C	2.3	1.2	84 g-m	6.82	55 a-h	4.0	2.2	2.0	67 d-k	75 f-j	18.42 b-h	5534 e-h	1004 d-g
VA 98R	0.6	0.3	75 no	6.65	45 lm	4.2	2.0	1.0	68 b-i	75 c-h	18.65 a-h	5911 a-g	1098 a-f
Wilson	0.3	0.4	78 lmn	6.68	44 m	2.5	2.0	0.6	67 d-k	72 p	18.03 e-i	6243 abc	1123 a-e
Perry	0.7	0.6	70 o	6.63	47 klm	4.0	2.3	0.8	68 b-g	75 b-h	18.84 a-e	6065 a-f	1138 a-d
CHAMPS	0.7	0.7	81 k-n	6.72	50 h-l	2.3	2.3	1.1	70 a-d	75 b-h	18.69 a-g	5720 c-h	1067 a-g
Phillips	0.5	0.4	82 i-m	6.97	57 a-f	2.4	1.9	1.7	69 a-f	75 c-h	18.64 a-h	6008 a-f	1117 a-e
N99103ol(9)	0.3	0.4	80 k-n	7.03	51 g-l	4.7	1.3	0.6	70 a-d	76 b-e	19.26 ab	6072 a-f	1167 abc
VT 976133	1.2	0.5	85 e-k	6.50	54 c-i	2.5	1.3	1.2	70 abc	75 c-h	18.93 a-e	6048 a-f	1137 a-d
Brantley	1.3	0.6	90 b-g	6.68	59 abc	2.5	1.6	1.2	68 b-g	74 j-o	18.57 a-h	6163 a-d	1136 a-d
N00098ol(Gre)	0.9	0.4	82 j-m	6.78	53 d-j	4.0	1.9	2.8	66 f-k	75 f-k	17.70 hi	5944 a-g	1046 c-g
N00035J	0.6	0.6	97 a	6.68	60 a	3.6	1.5	1.3	66 g-k	72 p	18.20 d-i	6215 a-d	1125 a-e
N01054	0.4	0.4	94 a-d	6.72	58 a-e	3.7	1.7	0.6	68 b-i	74 i-n	18.76 a-f	6345 ab	1187 ab
N01083	0.6	0.5	92 a-d	6.80	54 b-i	4.1	1.8	2.1	65 ijk	73 nop	17.85 f-i	6157 a-d	1096 a-f
VT 003069	0.8	0.7	84 f-l	6.45	54 b-i	3.8	2.0	1.0	71 ab	78 a	19.52 a	6182 a-d	1200 a
VT 003126	0.4	0.8	78 k-n	7.05	51 g-l	3.3	2.3	1.0	68 b-g	75 e-i	18.70 a-g	5901 a-g	1100 a-f
VT 003159	0.6	0.5	94 a-d	6.90	56 a-g	3.8	1.8	2.3	65 jk	73 op	17.48 i	6176 a-d	1073 a-g
VT 003167	0.4	0.8	84 f-l	6.97	46 lm	3.8	3.2	1.4	65 h-k	73 k-o	17.87 f-i	6095 a-f	1086 a-g
VT 003181	0.8	0.4	89 b-g	6.50	52 e-j	2.6	1.6	1.4	69 a-f	75 f-k	18.65 a-g	6044 a-f	1122 a-e
VT 004100	0.9	0.7	91 a-e	6.95	50 h-l	3.5	2.5	1.3	66 e-k	74 k-o	18.22 d-i	6109 a-f	1106 a-f
VT 004123	1.3	1.0	91 a-e	7.13	56 a-h	2.8	2.6	1.1	67 c-k	73 l-o	18.30 c-i	5378 gh	976 fg
VT 004178	0.5	0.5	95 ab	6.75	59 abc	1.7	1.4	0.9	69 a-f	73 m-p	18.59 a-h	5742 b-h	1063 b-g
N01013T	0.7	0.8	88 c-i	7.20	58 a-e	3.7	2.0	0.8	69 a-g	75 d-i	18.91 a-e	6055 a-f	1140 abc
N02005	0.6	0.5	89 b-g	6.88	58 a-d	4.2	2.0	1.6	68 b-h	76 b-f	18.79 a-f	6018 a-f	1127 a-e
N02006	0.7	0.8	92 a-d	6.80	59 abc	2.7	2.2	1.5	68 b-i	74 h-m	18.50 b-h	6031 a-f	1111 a-e

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 36. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II - two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.1	0.6	90 b-f	6.82	59 abc	3.7	2.1	0.7	69 a-g	75 b-h	19.05 a-d	6009 a-f	1137 a-d
N02009	0.8	0.4	88 d-j	6.85	61 a	3.0	2.0	1.0	70 a-d	76 b-g	19.13 a-d	5791 b-g	1102 a-f
N02010	1.3	0.5	89 b-h	6.68	61 a	2.4	1.9	1.6	69 a-e	75 b-h	18.83 a-e	6352 ab	1188 ab
N02020J	0.8	0.9	95 abc	6.75	60 ab	2.9	2.1	1.0	68 c-i	74 i-n	18.62 a-h	6464 a	1196 ab
N02060ol(Per)	0.5	1.0	82 j-m	6.85	49 i-m	2.3	2.9	1.1	69 a-g	75 c-h	18.52 b-h	5191 h	958 g
VT 003193	0.6	0.4	79 k-n	6.65	47 j-m	4.3	1.8	0.5	70 a-d	76 bcd	19.17 abc	6122 a-e	1169 abc
VT 003194	1.4	0.6	82 h-m	6.80	45 lm	4.3	2.3	1.2	68 c-j	75 b-h	18.62 a-h	5610 d-h	1035 c-g
VT 004167	0.5	0.4	88 c-j	6.60	48 j-m	4.6	2.4	0.9	64 k	72 p	17.81 ghi	5638 c-h	999 efg
VT 004180	1.3	0.6	84 f-l	6.82	54 b-i	3.5	1.1	1.7	70 abc	76 bc	19.03 a-d	5510 fgh	1040 c-g
VT 024051	0.8	0.6	77 mn	6.50	52 f-k	2.4	1.9	0.5	72 a	76 b	19.30 ab	6038 a-f	1158 abc
Mean	0.8	0.6	86	6.79	53	3.3	2.0	1.2	68	75	18.59	5978	1105
CV (%)[4]			5		6				3	1	3	6	7

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 37 . Grade characteristics, yield, and value of lines averaged across all locations, Dig I – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.9	1.1	75 lmn	6.23	32 l	2.1	1.9	1.5	68 b-e	74 efg	$17.84 a-i	4021 a-h	718 b-j
Gregory	1.8	1.5	89 bcd	6.08	46 bc	2.4	1.3	3.1	65 hi	72 j	16.53 j-n	3970 a-h	657 h-k
NC 12C	2.4	1.2	81 ghi	6.14	45 cd	2.4	1.3	2.1	69 a-d	74 cde	18.10 a-g	4059 a-h	727 a-j
VA 98R	0.8	0.9	74 no	6.30	34 kl	3.0	1.7	2.2	67 d-g	74 c-g	17.54 c-j	4095 a-h	722 a-j
Wilson	0.4	0.9	83 fgh	6.30	33 l	2.2	1.5	1.9	65 hi	71 k	16.92 i-m	4365 ab	743 a-i
Perry	0.9	1.4	71 o	6.18	39 ghi	2.6	1.7	1.6	69 a-d	74 cde	18.23 a-f	4026 a-h	734 a-i
CHAMPS	1.1	1.0	78 i-m	6.19	35 jkl	1.9	1.6	1.3	69 abc	74 c-f	18.26 a-f	4077 a-h	741 a-i
Phillips	0.9	0.8	81 g-j	6.19	45 cd	2.5	1.6	1.7	68 b-f	74 d-g	18.00 a-h	4073 a-h	737 a-i
N99103ol(9)	0.7	0.7	75 mn	6.27	34 kl	2.9	1.6	2.0	68 b-f	74 cde	17.79 a-i	4330 abc	773 a-f
VT 976133	1.5	1.0	80 g-k	6.18	39 ghi	2.5	1.5	4.0	66 gh	74 efg	16.01 mno	4317 a-d	714 b-k
Brantley	2.3	1.0	87 c-f	6.26	51 a	2.5	1.0	2.6	67 d-g	73 fgh	17.42 d-k	3886 b-h	676 f-k
N00098ol(Gre)	1.8	1.1	86 c-f	6.23	38 ghi	3.1	1.5	2.8	65 hi	72 hij	16.87 i-m	3666 gh	620 k
N00035J	1.0	1.2	94 a	6.14	52 a	2.5	1.3	3.0	64 ij	71 k	16.27 l-o	4151 a-f	699 c-k
N01054	0.8	1.0	90 abc	6.18	45 cd	2.2	1.4	2.0	66 gh	72 j	17.20 g-l	4236 a-f	743 a-i
N01083	0.8	1.0	87 c-f	6.16	43 def	3.4	1.6	3.6	62 k	70 k	15.63 no	4116 a-g	648 ijk
VT 003069	1.6	1.0	87 c-f	6.19	44 cde	3.3	1.1	2.3	70 ab	76 a	18.22 a-f	4289 a-e	787 a-e
VT 003126	0.9	0.7	76 k-n	6.18	40 ghi	2.5	1.5	1.4	69 abc	74 cde	18.34 a-f	4090 a-h	750 a-h
VT 003159	1.0	1.3	91 ab	6.19	44 cde	2.4	1.5	3.7	63 jk	70 k	15.64 no	3937 a-h	635 jk
VT 003167	0.9	1.1	86 c-f	6.26	39 ghi	2.2	1.9	2.3	66 fgh	73 hij	17.35 f-k	3995 a-h	691 e-k
VT 003181	1.1	1.0	90 a-d	6.28	38 hij	2.3	1.4	1.9	67 efg	73 hij	17.36 e-k	3851 c-h	678 f-k
VT 004100	1.7	1.4	89 a-d	6.41	40 fgh	1.8	1.5	2.5	67 efg	73 hij	17.04 h-l	4015 a-h	695 d-k
VT 004123	1.7	1.4	88 b-e	6.19	44 cde	2.0	1.4	2.4	67 d-g	73 ghi	17.20 g-l	3838 d-h	664 g-k
VT 004178	1.2	1.2	93 a	6.22	46 bcd	1.6	1.2	3.8	64 ij	70 k	15.48 o	4086 a-h	653 h-k
N01013T	1.5	1.0	86 def	6.27	49 ab	3.1	1.2	1.2	69 abc	75 bc	18.80 a	4381 a	818 a
N02005	1.4	0.9	89 b-e	6.38	52 a	1.7	1.3	1.5	70 abc	74 c-f	18.31 a-f	4152 a-f	759 a-g
N02006	1.1	1.1	90 a-d	6.18	50 a	2.2	1.5	1.9	67 efg	72 ij	17.59 c-i	4151 a-f	744 a-i

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 37 . Grade characteristics, yield, and value of lines averaged across all locations, Dig I – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	1.5	1.1	88 b-e	6.18	50 a	2.1	1.3	1.3	69 abc	74 c-f	18.51 abc	4289 a-e	790 a-d
N02009	1.3	1.0	86 c-f	6.34	51 a	1.6	1.3	1.7	70 a	75 cde	18.41 a-d	4256 a-f	780 a-e
N02010	1.9	1.2	89 bcd	6.19	52 a	1.9	1.3	1.5	69 abc	74 c-g	18.39 a-e	4331 abc	792 abc
N02020J	1.3	1.2	87 b-e	6.14	51 a	2.2	1.4	2.5	66 gh	72 j	16.97 i-l	3814 e-h	657 h-k
N02060ol(Per)	1.2	1.6	79 h-l	6.39	37 hij	2.0	1.9	1.5	69 a-d	74 c-f	18.13 a-g	3616 h	652 h-k
VT 003193	1.5	1.0	77 j-n	6.07	33 l	2.5	1.6	2.4	68 b-f	74 cde	17.46 d-j	3925 a-h	681 f-k
VT 003194	1.0	0.9	84 efg	6.24	37 ijk	3.0	1.4	1.8	68 a-e	75 cd	18.00 a-h	3783 fgh	683 f-k
VT 004167	0.6	1.0	90 a-d	6.22	37 hij	3.0	1.7	2.4	63 jk	70 k	16.44 k-n	3942 a-h	656 h-k
VT 004180	1.3	1.2	82 ghi	6.24	40 ghi	2.9	1.2	2.2	68 c-f	74 c-f	17.64 b-i	3786 fgh	671 g-k
VT 024051	1.1	0.8	71 o	6.16	41 efg	2.6	1.5	1.6	70 a	76 ab	18.62 ab	4336 ab	807 ab
Mean	1.3	1.1	84	6.22	42	2.4	1.5	2.2	67	73	17.46	4063	714
CV (%)[4]			6		9				3	2	7	14	16

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 38. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – two-year averages 2004-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.1	1.3	71 o[3]	6.03	37 n	3.6	2.3	1.8	67 a-i	75 f-j	$17.71 a-i	3936 b-h	708 b-h
Gregory	2.6	1.7	87 cd	5.96	51 ef	3.3	1.6	3.2	66 f-l	74 jk	17.05 d-j	3716 d-j	661 d-j
NC 12C	3.5	1.5	79 h-l	5.99	51 ef	5.0	1.5	2.3	67 a-h	76 c	18.35 abc	3839 c-i	700 b-h
VA 98R	1.1	1.0	71 no	5.91	40 k-n	4.6	1.9	2.3	66 c-j	75 c-h	17.78 a-i	4018 a-f	721 a-g
Wilson	0.8	2.8	75 lmn	5.94	37 n	3.4	2.0	1.6	65 i-m	72 m	17.33 c-j	3795 d-i	668 c-i
Perry	1.6	1.2	66 p	5.95	44 hij	4.2	2.0	1.4	69 abc	76 bc	18.78 a	3978 b-g	743 a-d
CHAMPS	2.2	3.0	76 klm	5.93	42 i-l	3.0	2.2	1.9	68 a-e	75 c-h	18.00 a-g	3467 i-l	636 f-k
Phillips	1.5	1.1	78 i-l	5.98	53 cde	4.2	1.4	1.8	68 a-e	76 cde	18.63 a	3932 b-h	729 a-e
N99103ol(9)	1.0	2.4	74 mno	6.06	42 i-l	5.9	1.3	2.1	66 d-k	76 c-f	18.05 a-g	4012 a-g	734 a-d
VT 976133	2.1	2.0	80 h-k	5.85	45 hi	3.8	1.7	4.0	66 f-l	75 c-h	16.55 j	4054 a-f	699 b-h
Brantley	3.9	1.3	81 f-i	5.91	51 ef	4.3	1.6	3.6	65 h-m	75 e-j	16.91 g-j	3312 jkl	575 jk
N00098ol(Gre)	3.0	1.0	80 g-j	5.96	42 i-l	5.2	1.8	3.2	64 klm	74 hij	16.94 g-j	3435 i-l	590 ijk
N00035J	1.3	1.9	93 a	5.80	55 a-d	4.3	1.5	3.1	63 mn	72 m	16.48 j	4117 a-d	703 b-h
N01054	0.9	1.6	89 abc	5.87	53 b-e	4.4	1.3	1.6	67 b-j	74 ijk	18.20 a-d	4352 ab	798 a
N01083	0.9	1.0	84 d-g	5.89	49 fg	5.7	1.6	3.4	62 n	73 lm	16.47 j	4414 a	744 a-d
VT 003069	2.5	1.1	82 e-h	5.84	46 h	5.1	1.5	2.5	69 abc	78 a	18.40 abc	3749 d-i	703 b-h
VT 003126	1.4	1.9	73 mno	5.97	45 hi	3.5	2.2	1.9	68 a-f	75 c-h	18.16 a-e	3822 c-i	694 c-h
VT 003159	1.4	1.2	91 ab	5.96	49 fg	4.1	1.6	3.1	63 lmn	72 lm	16.75 ij	3703 d-j	633 g-k
VT 003167	1.1	1.3	80 g-j	6.08	42 jkl	4.3	2.6	2.6	65 j-m	74 ijk	17.00 f-j	3821 c-i	671 c-i
VT 003181	1.9	1.4	86 cde	5.82	41 j-m	4.0	1.9	2.7	65 g-l	74 ijk	17.34 c-j	3507 h-l	626 h-k
VT 004100	1.8	2.5	85 def	6.03	46 h	3.4	1.7	2.4	67 a-i	74 g-j	17.44 b-j	3800 d-i	685 c-h
VT 004123	2.0	1.3	85 def	6.07	50 ef	3.3	1.9	1.7	68 a-e	75 d-i	18.34 abc	3259 kl	596 ijk
VT 004178	2.0	1.3	91 ab	5.88	52 def	3.2	1.4	3.3	65 g-l	73 kl	16.79 hij	3684 d-j	644 e-k
N01013T	2.4	0.9	76 j-m	6.13	49 fg	6.2	1.8	1.5	67 b-j	76 c	18.61 ab	3631 e-k	674 c-i
N02005	1.9	0.9	85 def	5.93	57 a	4.0	1.4	1.9	69 ab	76 c	18.75 a	4049 a-f	756 abc
N02006	1.7	1.4	88 bcd	6.04	56 abc	3.0	1.8	2.2	68 a-g	74 g-j	17.91 a-h	4002 a-g	723 a-f

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

Table 38. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – two-year averages 2004-2005[1] (cont.)

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
N02007	2.1	2.6	85 c-f	5.97	55 a-d	4.0	1.8	1.5	68 a-e	75 c-h	18.59 ab	4243 abc	786 ab
N02009	2.2	2.4	82 e-i	6.00	56 ab	3.9	1.6	1.7	69 ab	76 c	18.52 ab	3900 c-h	729 a-e
N02010	2.7	1.1	85 def	5.84	55 a-d	3.4	1.6	2.5	68 a-e	76 c-f	17.98 a-g	3918 c-h	710 b-h
N02020J	1.7	2.4	91 ab	5.88	55 a-d	3.4	1.6	3.0	66 e-k	74 ijk	17.28 c-j	4110 a-d	728 a-e
N02060ol(Per)	1.1	1.6	74 mno	6.06	42 j-m	3.1	2.4	1.5	68 a-d	75 c-g	18.36 abc	3625 f-k	663 d-i
VT 003193	1.6	0.8	76 klm	5.87	40 lmn	5.0	1.6	2.5	67 a-i	76 cd	17.79 a-i	3764 d-i	689 c-h
VT 003194	1.7	1.2	78 h-l	5.92	38 mn	5.9	2.2	2.3	65 h-l	76 cde	17.87 a-i	3451 i-l	624 h-k
VT 004167	1.5	1.3	81 f-i	5.79	43 h-l	4.9	2.0	2.1	64 lmn	73 lm	17.02 e-j	3584 g-k	620 h-k
VT 004180	2.4	1.2	76 klm	6.03	46 gh	5.2	1.6	2.3	67 b-j	76 cde	18.12 a-f	3128 l	573 k
VT 024051	1.8	1.1	65 p	5.97	44 h-k	4.4	1.6	2.3	69 a	77 ab	18.23 abc	4062 a-e	756 abc
Mean	1.8	1.5	81	5.95	47	4.2	1.8	2.4	66	75	17.74	3811	686
CV (%)[4]			6		9				4	2	8	13	15

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Three-year Averages by Location

Table 39. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I - three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.7	0.9	74 hi[3]	6.95	33 i	2.1	1.3	1.3	71 abc	75 b-e	18.41 abc	4083 a-d	760 abc
Gregory	2.0	1.1	87 cde	7.25	47 bc	2.1	0.8	2.7	69 a-e	75 ef	17.66 a-e	3908 a-d	693 a-d
NC 12C	2.0	1.0	79 g	6.95	45 c-f	2.6	0.9	1.6	71 abc	76 bc	18.76 ab	4318 abc	809 ab
VA 98R	0.6	0.9	73 i	7.22	32 i	3.0	1.3	2.0	69 a-e	75 b-e	18.12 a-d	4166 abc	759 abc
Wilson	0.3	1.0	79 g	7.03	31 i	1.9	1.3	2.1	66 fg	72 i	16.98 b-e	4255 abc	734 abc
Perry	0.7	1.1	71 i	7.08	38 gh	2.5	1.2	1.0	72 a	76 b	19.00 a	4335 abc	830 ab
CHAMPS	1.0	1.0	78 gh	7.08	33 i	1.9	1.1	1.6	71 ab	76 bcd	18.60 ab	3713 bcd	692 a-d
Phillips	0.8	0.7	80 fg	7.08	44 c-f	2.1	1.1	1.7	70 abc	75 cde	18.50 ab	4408 abc	828 ab
N99103ol(9)	0.6	0.6	73 i	7.32	36 hi	3.2	1.1	1.3	71 abc	76 bc	18.86 ab	4267 abc	807 ab
VT 976133	1.5	0.9	80 fg	7.58	40 fgh	1.6	0.9	5.0	67 d-g	75 de	15.89 e	4302 abc	703 a-d
Brantley	1.7	0.9	86 de	7.35	52 ab	2.5	0.8	3.0	69 b-f	75 cde	17.60 a-e	3658 bcd	649 bcd
N00098ol(Gre)	1.8	1.3	86 de	7.28	40 e-h	3.0	0.9	3.7	67 efg	74 ef	16.95 b-e	3227 d	552 d
N00035J	1.2	0.9	96 a	7.18	54 a	2.0	0.8	3.6	66 fg	73 h	16.33 de	4441 abc	765 abc
N01054	0.6	0.9	90 bcd	6.88	46 cde	1.8	1.0	2.3	67 d-g	73 h	17.22 a-e	4786 a	862 a
N01083	0.6	0.9	88 cde	6.88	46 cd	3.1	0.9	2.7	66 g	73 h	17.27 a-e	4436 abc	772 abc
VT 003069	1.8	1.0	85 de	7.08	41 d-h	2.3	0.9	3.0	71 ab	77 a	17.85 a-d	3949 a-d	725 abc
VT 003126	0.6	0.7	72 i	7.07	39 gh	2.3	1.1	1.7	70 abc	75 b-e	18.59 ab	4556 ab	850 a
VT 003159	0.9	0.8	92 abc	7.33	48 bc	2.2	0.7	3.6	66 g	73 gh	16.49 cde	4207 abc	713 a-d
VT 003167	0.7	1.2	84 ef	6.97	40 e-h	2.0	1.5	2.0	69 a-e	75 de	17.85 a-d	4087 a-d	742 abc
VT 003181	0.9	0.9	89 cde	6.92	31 i	2.2	1.1	2.0	68 c-g	74 fg	17.71 a-e	3667 bcd	655 bcd
VT 004100	1.5	1.1	90 b-e	6.95	44 c-g	2.3	1.0	1.5	70 a-d	75 ef	18.40 abc	4278 abc	790 abc
VT 004123	1.3	1.4	88 cde	7.13	41 d-h	2.0	1.1	2.6	69 b-e	75 ef	17.27 a-e	3591 cd	627 cd
VT 004178	1.2	0.9	94 ab	7.47	48 bc	1.0	0.7	4.4	67 efg	73 gh	15.81 e	4372 abc	729 abc
Mean	1.1	1.0	83	7.13	41	2.2	1.0	2.4	69	75	17.66	4131	741
CV (%)[4]			5		10				3	1	8	15	17

[1] Dug when early to mid- maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black.

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 40. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II - three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	2.3	70 i[3]	5.97	32 m	3.0	1.5	1.0	70 b-e	75 b-e	18.61 a-f	4073 b-e	758 bcd
Gregory	3.7	2.9	87 b-e	5.82	54 abc	2.8	0.8	1.1	71 bcd	75 b-e	19.08 abc	4072 b-e	763 bcd
NC 12C	3.9	2.2	77 gh	6.02	49 def	4.1	1.1	1.4	70 b-g	76 bc	18.99 abc	4177 a-e	775 a-d
VA 98R	1.1	1.6	73 hi	5.97	36 kl	3.2	1.5	1.5	70 b-e	76 bcd	18.39 a-f	4139 b-e	761 bcd
Wilson	0.8	6.1	74 hi	6.12	34 lm	1.9	1.7	1.1	67 i	72 j	17.54 ef	4348 a-d	765 bcd
Perry	1.9	1.8	65 j	5.97	40 ijk	3.2	2.2	1.3	70 b-g	76 bc	18.76 a-e	3950 b-f	734 bcd
CHAMPS	3.4	3.8	74 hi	5.77	37 jkl	1.8	1.8	0.9	71 abc	76 b-e	18.77 a-e	3717 def	690 cde
Phillips	2.1	1.9	76 h	5.90	50 cde	2.8	1.1	1.2	71 ab	76 b	19.19 ab	4128 b-e	789 a-d
N99103ol(9)	1.4	5.7	74 hi	6.28	41 ij	4.0	1.1	1.5	69 c-h	76 bcd	18.36 a-f	4306 a-e	790 a-d
VT 976133	2.0	4.3	78 gh	5.95	43 ghi	1.9	1.8	2.7	69 e-i	75 def	17.35 f	4395 a-d	761 bcd
Brantley	4.8	1.7	83 ef	5.85	54 abc	3.0	1.2	2.5	69 c-i	76 bcd	18.39 a-f	3261 f	587 e
N00098ol(Gre)	3.4	1.3	86 c-f	5.83	43 ghi	4.0	1.5	2.0	68 ghi	75 c-f	17.86 c-f	3797 c-f	673 de
N00035J	1.8	1.4	92 ab	5.83	58 a	3.0	0.9	2.1	68 f-i	74 ghi	17.82 c-f	4454 abc	793 a-d
N01054	1.4	3.2	90 abc	5.85	54 abc	2.4	0.9	1.1	70 b-e	74 fgh	18.73 a-e	4859 a	906 a
N01083	1.0	1.6	86 c-f	5.73	52 bcd	3.2	1.1	1.9	67 hi	74 hi	17.78 c-f	4656 ab	825 abc
VT 003069	3.5	1.5	83 ef	5.93	46 fgh	3.4	1.0	1.3	73 a	78 a	19.65 a	4046 b-e	786 a-d
VT 003126	1.8	3.8	69 ij	5.87	41 ij	2.5	1.4	1.6	71 bcd	76 bc	18.42 a-f	4115 b-e	756 bcd
VT 003159	1.8	1.9	90 a-d	6.15	47 efg	2.4	1.2	1.9	67 hi	73 ij	17.64 def	3872 c-f	681 de
VT 003167	1.3	1.9	81 fg	6.33	42 hi	3.0	2.0	0.9	69 b-g	75 cde	18.74 a-e	4407 a-d	819 abc
VT 003181	1.9	2.3	90 a-d	5.77	37 jkl	2.8	1.4	1.4	69 e-i	74 fgh	18.27 b-f	3694 def	675 de
VT 004100	1.8	2.4	88 b-e	6.23	48 def	2.1	1.4	1.0	71 bcd	75 b-e	18.93 a-d	3943 b-f	740 bcd
VT 004123	2.5	2.0	85 def	6.02	47 efg	2.6	1.8	1.3	69 d-i	75 efg	18.59 a-f	3601 ef	657 de
VT 004178	1.5	1.5	94 a	6.23	55 ab	2.0	0.9	1.0	70 b-f	74 hi	18.69 a-e	4521 abc	839 ab
Mean	2.2	2.6	81	5.97	45	2.8	1.4	1.5	69	75	18.46	4110	753
CV (%)[4]			5		7				2	1	5	13	13

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 41. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig I - three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.7	1.1	70 k	5.72	33 k	1.9	2.2	1.9	68 b-f	74 bcd	$17.84 a-d	4116 a-d	731 a-d
Gregory	1.5	1.1	90 a-d	5.62	49 b	2.2	1.3	2.8	66 fg	72 fg	16.49 d-g	4018 bcd	670 de
NC 12C	2.8	1.2	81 fgh	5.52	47 bcd	2.2	1.3	2.2	69 abc	75 bc	18.13 ab	3978 bcd	711 bcd
VA 98R	0.6	1.0	72 jk	5.67	39 g-j	2.7	1.7	1.5	69 abc	75 bc	18.38 ab	4132 a-d	761 a-d
Wilson	0.3	1.1	82 fgh	5.53	36 jk	2.4	1.8	1.5	66 fg	71 gh	17.34 b-f	4834 a	838 abc
Perry	0.6	1.3	73 jk	5.68	40 f-j	3.1	2.0	1.4	68 a-e	75 b	18.45 ab	3888 cd	715 bcd
CHAMPS	1.0	0.9	78 hi	5.65	38 g-j	1.7	2.0	1.0	70 ab	75 bc	18.51 ab	3985 bcd	734 a-d
Phillips	0.7	0.7	79 hi	5.55	44 c-f	2.8	1.9	2.0	68 b-f	75 bcd	17.93 a-d	4002 bcd	723 a-d
N99103ol(9)	0.5	0.8	72 jk	5.75	36 jk	3.6	1.7	2.1	68 b-f	75 b	17.90 a-d	4721 ab	849 ab
VT 976133	1.1	0.9	80 ghi	5.68	42 d-h	3.1	1.7	3.4	66 d-g	74 bcd	16.60 c-g	4273 a-d	724 a-d
Brantley	2.5	0.9	86 cde	5.62	53 a	2.7	1.1	2.3	68 b-f	74 bcd	17.95 abc	3891 cd	697 cde
N00098ol(Gre)	1.4	0.9	87 b-e	5.62	44 b-f	2.7	1.4	1.9	68 b-f	74 cde	17.93 a-d	3971 bcd	713 bcd
N00035J	0.7	0.8	93 a	5.62	54 a	2.7	1.2	2.2	66 fg	72 fg	17.56 a-e	4210 a-d	740 a-d
N01054	0.6	0.8	91 abc	5.63	48 bc	2.3	1.6	1.4	67 c-g	73 ef	17.87 a-d	4137 a-d	737 a-d
N01083	0.7	0.9	84 efg	5.75	43 d-g	4.3	1.9	3.6	61 i	70 h	15.48 g	3648 d	567 e
VT 003069	1.1	0.6	85 def	5.58	48 bc	3.8	1.2	1.7	71 a	77 a	19.01 a	4558 abc	864 a
VT 003126	1.0	0.9	76 ij	5.62	37 ijk	2.1	2.1	1.3	69 a-d	74 bcd	18.23 ab	3667 d	669 de
VT 003159	1.0	1.1	92 ab	5.63	45 b-e	3.0	1.5	3.0	63 h	71 gh	16.29 efg	3893 cd	638 de
VT 003167	0.8	1.1	87 b-e	5.65	41 e-i	2.3	2.1	1.5	67 c-g	73 ef	17.82 a-d	4027 bcd	714 bcd
VT 003181	1.1	0.6	90 abc	5.68	44 c-f	2.7	1.4	1.3	69 a-d	74 bcd	18.42 ab	3898 cd	718 a-d
VT 004100	1.6	1.8	89 a-d	5.70	38 h-k	1.9	1.9	3.5	66 efg	73 de	16.34 efg	3824 cd	646 de
VT 004123	1.3	1.3	87 b-e	5.77	47 bcd	2.1	1.3	1.5	69 abc	74 bcd	18.36 ab	3991 bcd	726 a-d
VT 004178	1.1	1.1	94 a	5.55	45 b-e	1.7	1.5	3.1	65 gh	71 gh	16.12 fg	3814 cd	617 de
Mean	1.1	1.0	3	5.64	43	2.6	1.6	2.1	67	74	17.61	4064	718
CV (%)[4]			4		8				3	1	6	13	15

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 42. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.8	1.0	65 g	5.65	37 hi	4.1	2.6	2.8	65 a-e	74 def	16.75 a-e	3333 abc	578 a-d
Gregory	2.2	1.4	83 bcd	5.72	47 a-f	3.8	1.8	4.9	63 d-g	73 f-i	15.43 de	2796 b-e	481 b-e
NC 12C	3.7	1.1	78 def	5.73	49 a-d	5.3	1.5	3.1	66 abc	76 ab	17.76 a-d	2957 b-e	535 a-e
VA 98R	0.9	0.8	67 g	5.90	42 e-i	5.1	2.3	2.6	65 a-e	75 bcd	17.56 a-d	3493 ab	625 ab
Wilson	0.7	1.1	72 efg	6.07	37 i	3.9	2.9	2.1	63 d-g	72 j	16.84 a-e	3000 b-e	523 a-e
Perry	1.3	1.1	71 fg	5.85	46 a-f	4.4	2.0	1.6	68 a	76 abc	18.74 a	3448 ab	644 a
CHAMPS	1.5	4.0	77 def	5.77	44 c-h	3.2	2.9	2.7	66 a-d	74 def	17.00 a-e	2749 b-e	496 a-e
Phillips	1.4	0.7	80 de	5.67	52 a	5.8	1.4	1.8	67 a	76 ab	18.67 a	3047 b-e	569 a-d
N99103ol(9)	0.6	0.6	71 fg	5.88	42 e-i	7.2	1.8	2.5	64 b-f	75 b-e	17.66 a-d	3323 abc	603 abc
VT 976133	2.1	0.9	79 de	5.87	47 a-e	5.8	2.0	5.0	63 d-g	76 bcd	16.02 b-e	3138 bcd	544 a-e
Brantley	4.3	1.5	77 def	5.92	47 a-f	5.3	1.9	5.3	63 d-g	75 b-e	15.49 cde	2459 de	409 e
N00098ol(Gre)	3.6	1.2	77 def	5.82	41 e-i	6.3	1.8	3.5	63 d-g	74 def	16.43 a-e	2455 de	442 de
N00035J	1.2	3.5	91 a	5.67	51 ab	5.6	1.6	4.7	60 gh	72 ij	15.02 e	3287 bc	522 a-e
N01054	0.8	0.7	89 ab	5.73	50 abc	6.1	1.4	2.4	64 b-f	74 fgh	17.61 a-d	3447 ab	613 abc
N01083	0.8	0.6	83 bcd	4.83	47 a-f	7.7	1.7	4.7	59 h	73 g-j	15.42 de	4038 a	642 a
VT 003069	2.5	1.1	80 cde	5.80	43 e-h	6.7	1.8	3.3	66 a-e	77 a	17.41 a-d	2752 b-e	512 a-e
VT 003126	1.2	0.9	65 g	5.72	45 b-g	4.4	2.6	1.9	67 abc	75 bcd	18.18 ab	3112 b-e	570 a-d
VT 003159	1.7	1.0	92 a	5.47	50 abc	5.1	1.3	3.8	62 efg	72 hij	16.22 b-e	2762 b-e	479 b-e
VT 003167	1.0	1.1	78 def	5.95	41 f-i	5.1	2.7	4.2	62 efg	74 def	15.61 cde	2769 b-e	460 cde
VT 003181	2.2	1.1	82 bcd	5.68	43 d-h	5.3	1.9	4.0	63 c-f	75 c-f	16.50 a-e	2446 de	433 de
VT 004100	2.2	4.3	79 def	5.88	39 ghi	4.1	1.9	4.4	63 c-f	74 efg	15.48 cde	2719 b-e	462 cde
VT 004123	2.0	2.1	82 bcd	5.88	47 a-f	3.5	2.1	2.2	67 ab	75 c-f	17.85 abc	2353 e	423 de
VT 004178	2.9	1.7	88 abc	5.80	46 a-f	4.0	1.9	5.5	61 fgh	72 hij	14.69 e	2580 cde	411 e
Mean	1.8	1.5	78	5.75	45	5.1	2.0	3.4	64	74	16.71	2977	521
CV (%)[4]			8		11				4	1	10	19	21

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 43. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig I – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.3	1.1	77 jk	6.03	32 ghi	1.7	2.1	1.0	68 abc	73 b-f	$17.91 a-d	4186 abc	752 abc
Gregory	2.4	1.9	87 b-e	6.13	44 bcd	2.5	1.5	2.6	64 d-g	71 f-i	16.84 a-g	4205 abc	708 a-d
NC 12C	4.5	1.5	82 f-j	6.00	43 bcd	2.7	1.5	1.9	68 abc	74 ab	18.20 abc	3803 c	673 bcd
VA 98R	1.4	1.3	69 l	6.30	31 i	3.2	2.2	2.5	65 c-f	73 b-e	16.79 a-g	4136 abc	704 a-d
Wilson	0.8	1.0	84 e-i	6.22	32 hi	2.3	1.9	1.5	64 d-g	70 ghi	17.06 a-f	4291 abc	735 a-d
Perry	1.7	1.7	69 l	6.20	38 efg	2.7	2.4	1.4	67 a-d	74 bcd	17.88 a-d	3937 bc	705 a-d
CHAMPS	1.9	1.1	79 ijk	6.15	33 ghi	2.3	1.9	0.9	69 ab	74 abc	18.26 abc	4515 a	820 a
Phillips	1.8	0.9	79 h-k	6.03	45 abc	2.4	1.4	1.2	68 abc	73 b-e	18.30 ab	4080 abc	742 a-d
N99103ol(9)	1.2	0.8	76 k	6.30	30 i	2.8	2.0	2.1	67 a-e	73 bcd	17.40 a-e	4010 abc	706 a-d
VT 976133	2.4	0.9	80 g-k	6.08	37 e-h	2.4	1.9	2.9	64 d-g	72 c-h	16.42 b-g	4206 abc	712 a-d
Brantley	3.1	1.1	88 a-e	6.02	49 a	2.3	1.0	2.2	66 a-e	72 c-h	17.48 a-e	4169 abc	723 a-d
N00098ol(Gre)	2.3	1.2	86 b-f	6.02	34 f-i	3.4	1.9	2.3	63 efg	71 e-h	16.78 a-g	3980 abc	676 bcd
N00035J	1.3	1.4	92 a	6.00	47 ab	2.6	1.9	2.5	61 gh	68 ij	16.07 d-g	4034 abc	681 bcd
N01054	1.4	1.3	90 ab	6.10	44 bcd	2.4	1.8	2.1	64 d-g	70 ghi	17.04 a-f	4073 abc	703 a-d
N01083	1.2	1.1	85 b-g	6.18	40 cde	2.9	2.2	3.2	61 gh	69 hij	15.40 fg	4486 ab	703 a-d
VT 003069	3.2	1.2	84 c-h	6.03	39 def	3.4	1.3	1.9	69 a	76 a	18.51 a	4359 abc	798 ab
VT 003126	1.2	0.9	78 jk	6.27	40 cde	2.2	1.6	1.0	69 ab	74 abc	18.33 ab	4294 abc	783 abc
VT 003159	1.8	1.8	89 abc	6.12	37 efg	2.0	2.3	3.4	60 h	68 j	15.09 g	3840 c	616 d
VT 003167	1.4	1.1	84 d-i	6.08	35 e-i	2.0	2.0	2.3	66 a-e	72 b-g	17.33 a-e	4290 abc	739 a-d
VT 003181	2.0	1.3	89 abc	6.07	36 e-h	1.7	2.0	2.3	64 d-g	70 ghi	16.34 c-g	4240 abc	718 a-d
VT 004100	2.0	1.5	88 a-e	6.25	37 e-h	1.6	1.9	1.7	67 a-e	72 b-g	17.36 a-e	4143 abc	723 a-d
VT 004123	2.6	1.3	89 a-d	6.18	45 a-d	1.9	1.6	2.3	65 b-f	71 d-h	16.76 a-g	4126 abc	708 a-d
VT 004178	1.4	1.3	93 a	6.13	44 bcd	1.6	1.7	2.8	62 fgh	69 ij	15.60 efg	4083 abc	661 cd
Mean	1.9	1.2	83	6.13	39	2.4	1.8	2.1	65	72	17.09	4152	717
CV (%)[4]			5		10				4	2	8	10	13

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 44. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	0.8	73 kl	6.42	39 k	2.3	2.3	1.5	68 a-d	74 c-f	18.08 a-e	4238 abc	766 abc
Gregory	2.0	1.0	86 def	6.53	52 a-d	2.1	1.8	2.2	66 b-e	72 efg	17.54 a-e	4168 abc	744 abc
NC 12C	3.9	1.1	81 ghi	6.55	55 ab	3.6	1.4	1.8	69 abc	76 ab	18.96 ab	4153 abc	771 abc
VA 98R	1.3	0.7	72 l	6.50	41 jk	3.5	2.0	1.9	67 a-e	74 b-e	17.98 a-e	4499 a	815 ab
Wilson	1.0	0.7	78 ij	6.43	38 k	3.1	1.8	1.1	66 b-e	72 fg	17.72 a-e	3804 bc	672 bc
Perry	2.0	0.9	69 l	6.42	45 g-j	3.7	1.8	0.8	70 abc	76 abc	19.02 a	3970 abc	750 abc
CHAMPS	1.7	0.8	77 jk	6.42	44 h-k	2.6	1.8	1.1	70 ab	76 a-d	18.82 a-d	4289 abc	801 ab
Phillips	1.5	0.6	81 hij	6.50	52 a-d	3.7	1.5	1.5	68 a-d	75 b-e	18.63 a-d	4547 a	845 a
N99103ol(9)	1.1	0.6	78 ij	6.40	43 ijk	4.2	1.6	1.8	68 a-d	75 a-d	18.48 a-e	4279 abc	794 abc
VT 976133	2.2	0.7	81 hij	6.43	45 g-j	2.8	1.4	2.8	68 a-d	75 b-e	17.25 de	4536 a	802 ab
Brantley	3.7	0.9	86 def	6.43	56 a	2.8	1.4	2.4	66 b-e	73 efg	17.56 a-e	3730 c	649 c
N00098ol(Gre)	2.5	0.9	86 def	6.53	46 e-j	3.3	1.9	1.6	67 b-e	73 def	18.07 a-e	4229 abc	753 abc
N00035J	1.0	0.8	94 a	6.18	56 a	2.6	1.7	1.9	64 de	71 g	17.34 cde	4374 ab	773 abc
N01054	0.6	0.8	89 b-e	6.42	53 abc	3.0	1.5	1.1	67 a-e	72 efg	18.21 a-e	4517 a	828 a
N01083	0.9	0.7	85 efg	6.52	50 b-g	3.6	2.0	2.3	63 e	71 g	16.96 e	4428 ab	773 abc
VT 003069	2.1	0.8	84 fgh	6.27	46 f-j	3.5	1.3	2.0	71 a	78 a	18.87 abc	4424 ab	828 a
VT 003126	1.2	0.6	77 jk	6.28	49 c-h	2.5	2.2	1.6	68 a-d	74 b-e	18.29 a-e	4331 abc	791 abc
VT 003159	1.1	0.8	91 abc	6.53	51 a-f	2.3	2.0	2.1	64 de	70 g	17.29 cde	4239 abc	737 abc
VT 003167	1.4	1.2	84 fgh	6.60	43 ijk	2.6	2.9	1.6	65 cde	72 efg	17.45 a-e	4121 abc	732 abc
VT 003181	1.9	0.7	90 a-d	6.37	41 jk	2.7	2.0	1.4	66 b-e	72 efg	17.78 a-e	4190 abc	743 abc
VT 004100	1.5	1.0	88 c-f	6.70	47 d-i	2.4	1.8	1.4	68 a-d	74 b-f	18.40 a-e	4413 ab	807 ab
VT 004123	1.9	1.0	87 c-f	6.63	52 a-e	2.5	1.6	1.1	69 abc	74 b-e	18.74 a-d	4080 abc	758 abc
VT 004178	1.5	0.9	93 ab	6.32	54 ab	2.3	1.2	2.5	67 b-e	72 efg	17.38 b-e	4217 abc	731 abc
Mean	1.7	0.8	83	6.45	48	2.9	1.8	1.7	67	74	18.04	4251	768
CV (%)[4]			4		9				5	3	6	10	14

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 45. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.5	1.4	81 ef	6.65	32 ij	1.5	2.4	0.4	68 c-g	72 c-g	17.86 c-f	5252 ab	936 a-e
Gregory	1.1	1.5	93 abc	6.38	46 cd	1.2	1.7	1.2	67 e-i	71 gh	17.67 d-g	5156 ab	906 b-e
NC 12C	2.0	1.6	86 d	6.57	45 cde	1.6	1.4	1.0	69 a-d	73 bcd	18.38 abc	4694 c	851 e
VA 98R	0.5	1.2	79 fg	6.62	35 hi	1.5	2.1	0.5	68 b-f	72 c-f	18.02 b-e	5232 ab	940 a-e
Wilson	0.3	1.1	80 ef	6.90	29 j	1.2	1.9	0.3	66 ghi	69 ij	17.27 gh	5264 ab	907 b-e
Perry	0.6	2.2	75 g	6.40	34 hi	1.1	2.3	1.0	68 b-f	73 bcd	17.90 c-f	4853 bc	865 de
CHAMPS	0.9	1.3	83 de	6.55	34 hi	1.1	1.7	0.4	70 abc	73 bcd	18.24 bcd	5355 a	972 abc
Phillips	0.6	1.3	86 d	6.67	41 efg	1.4	1.8	0.6	69 b-e	73 cde	18.21 bcd	5113 ab	927 b-e
N99103ol(9)	0.4	0.9	78 fg	6.63	31 ij	1.6	2.1	0.6	69 bcd	73 bc	18.11 b-e	5004 abc	903 b-e
VT 976133	0.8	1.0	85 d	6.60	41 efg	1.3	1.6	0.5	70 abc	73 bcd	18.36 abc	5135 ab	939 a-e
Brantley	1.4	1.2	94 abc	6.80	52 ab	1.5	1.3	0.7	68 b-f	72 d-g	18.22 bcd	5303 a	958 a-d
N00098ol(Gre)	0.9	1.0	93 abc	6.78	43 def	1.2	1.8	0.5	68 b-f	72 c-g	18.10 b-e	5361 a	965 abc
N00035J	0.6	1.5	97 a	6.40	53 a	1.4	1.5	1.0	66 f-i	70 hi	17.73 d-g	5196 ab	918 b-e
N01054	0.5	1.1	94 abc	6.72	43 def	0.9	1.5	0.5	67 d-h	70 hi	17.75 d-g	5231 ab	926 b-e
N01083	0.3	1.1	94 abc	6.55	43 def	1.7	2.1	1.4	64 j	69 j	16.96 h	5216 ab	883 cde
VT 003069	0.8	1.3	92 bc	6.55	44 c-f	1.8	1.6	0.5	71 a	75 a	18.87 a	5433 a	1020 a
VT 003126	0.7	0.8	76 g	6.50	38 gh	1.7	1.6	0.5	70 ab	74 ab	18.54 ab	5307 a	980 ab
VT 003159	0.6	1.4	93 abc	6.68	43 def	1.0	2.0	1.7	65 ij	70 ij	17.06 h	5092 ab	866 de
VT 003167	0.5	1.4	91 c	6.75	38 gh	1.5	2.5	1.0	66 hi	71 ghi	17.44 fgh	5211 ab	906 b-e
VT 003181	0.8	0.9	94 abc	6.70	40 fg	1.5	1.7	0.3	68 b-f	72 d-g	18.07 b-e	5245 ab	943 a-e
VT 004100	0.7	1.5	94 abc	6.90	41 fg	1.0	1.7	0.6	68 c-g	71 e-h	17.89 c-f	5242 ab	935 a-e
VT 004123	1.1	1.6	93 abc	6.45	44 c-f	0.9	1.6	0.6	68 b-g	71 fgh	17.94 c-f	5353 a	954 a-d
VT 004178	0.4	1.5	96 ab	6.60	48 bc	0.8	1.4	0.7	67 f-i	69 ij	17.60 efg	5342 a	938 a-e
Mean	0.7	1.3	88	6.62	41	1.3	1.8	0.7	68	72	17.92	5200	928
CV (%)[4]			4		8				2	1	2	6	7

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black)

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 46. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.6	0.7	76 gh	6.70	40 j	2.5	2.4	0.8	68 b-f	74 def	18.40 b-e	5871 ab	1075 a-f
Gregory	1.6	0.7	93 ab	6.45	57 a	2.7	1.6	1.1	68 b-f	74 fg	18.60 b-e	5871 ab	1079 a-f
NC 12C	2.6	1.3	85 de	6.35	52 b-e	3.6	2.0	1.8	67 d-h	74 c-f	18.38 b-e	5148 e	931 h
VA 98R	0.6	0.6	72 h	6.42	43 hij	3.9	1.9	1.1	68 b-f	75 bcd	18.69 b-e	5721 abc	1065 a-g
Wilson	0.4	0.6	76 gh	6.42	42 ij	2.3	1.9	0.5	67 d-g	72 i	18.11 def	6022 a	1088 a-f
Perry	0.6	0.8	71 h	6.45	45 ghi	4.2	2.2	0.7	68 b-f	75 b-e	18.76 bcd	5658 a-d	1058 b-g
CHAMPS	1.0	0.8	80 efg	6.42	47 fgh	2.0	2.1	1.0	70 abc	75 b-e	18.70 b-e	5399 cde	1005 d-h
Phillips	0.5	0.6	82 def	6.65	55 ab	2.2	1.6	1.2	70 ab	75 bc	18.92 abc	5836 ab	1100 a-d
N99103ol(9)	0.3	0.5	78 fg	6.62	45 ghi	4.1	1.6	0.6	69 bcd	75 b	18.98 ab	5745 abc	1091 a-e
VT 976133	1.0	0.5	83 def	6.33	50 c-f	2.7	1.2	0.9	70 ab	75 b-e	19.00 ab	5837 ab	1102 abc
Brantley	1.5	0.7	91 b	6.50	58 a	2.2	1.5	1.0	69 b-e	73 fg	18.63 b-e	5806 abc	1071 a-f
N00098ol(Gre)	1.0	0.5	84 de	6.48	52 b-e	3.6	1.8	2.1	66 e-h	74 ef	17.97 ef	5581 bcd	994 fgh
N00035J	0.7	0.6	97 a	6.38	59 a	3.0	1.3	1.2	66 e-h	72 i	18.24 c-f	5947 ab	1079 a-f
N01054	0.4	0.5	94 ab	6.48	55 ab	2.8	1.5	0.8	68 c-f	73 ghi	18.52 b-e	6036 a	1116 ab
N01083	0.5	0.6	92 b	6.57	50 c-f	3.4	1.8	2.1	65 h	72 i	17.64 f	5664 a-d	998 e-h
VT 003069	0.8	0.6	86 cd	6.20	52 b-e	3.2	1.6	0.9	72 a	77 a	19.57 a	5927 ab	1154 a
VT 003126	0.4	0.8	76 gh	6.75	48 d-g	3.1	2.0	0.8	69 bcd	75 b-e	18.81 bcd	5646 a-d	1058 b-g
VT 003159	0.6	0.6	94 ab	6.65	53 bcd	3.1	1.6	2.0	65 gh	72 i	17.61 f	5768 abc	1010 c-h
VT 003167	0.4	0.9	86 cd	6.73	45 ghi	3.2	2.7	1.3	66 fgh	73 fgh	18.00 ef	5773 abc	1035 b-g
VT 003181	0.9	0.4	90 bc	6.27	49 c-g	2.4	1.5	1.1	69 bcd	74 c-f	18.62 b-e	5654 a-d	1047 b-g
VT 004100	0.8	0.9	92 ab	6.55	48 efg	2.9	2.3	1.3	67 d-h	73 fgh	18.18 def	5853 ab	1058 b-g
VT 004123	1.2	1.0	91 b	6.65	53 bc	2.6	2.2	0.9	68 b-f	74 fg	18.48 b-e	5311 de	973 gh
VT 004178	0.6	0.6	95 ab	6.45	56 ab	1.6	1.4	1.0	68 b-f	72 hi	18.35 b-e	5536 bcd	1013 c-h
Mean	0.8	0.7	85	6.50	50	2.9	1.8	1.1	68	74	18.48	5722	1052
CV (%)[4]			5		6				3	1	3	5	6

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 47. Grade characteristics, yield, and value of lines averaged across all locations, Dig I - three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.8	1.1	75 h[3]	6.34	33 g	1.8	2.0	1.1	69 cde	73 c	18.00 a-f	4409 a-d	795 a-d
Gregory	1.7	1.4	89 bcd	6.35	46 b	2.0	1.3	2.3	66 hi	72 ef	17.16 ghi	4322 a-d	744 cde
NC 12C	2.8	1.3	82 f	6.26	45 bcd	2.3	1.3	1.7	69 abc	74 b	18.37 abc	4198 cd	761 b-e
VA 98R	0.8	1.1	73 hi	6.45	34 g	2.6	1.8	1.6	68 d-g	74 bc	17.83 a-g	4417 a-d	791 a-d
Wilson	0.4	1.0	81 fg	6.42	32 g	1.9	1.7	1.3	66 ij	71 h	17.16 ghi	4661 a	804 abc
Perry	0.9	1.5	72 i	6.34	38 f	2.3	1.9	1.2	69 bcd	74 b	18.31 a-d	4253 bcd	779 bcd
CHAMPS	1.2	1.1	79 g	6.36	34 g	1.7	1.7	1.0	70 ab	74 b	18.40 ab	4392 a-d	804 abc
Phillips	1.0	0.9	81 fg	6.33	43 cd	2.2	1.5	1.4	69 b-e	74 bc	18.23 a-e	4400 a-d	805 abc
N99103ol(9)	0.7	0.8	75 h	6.50	33 g	2.8	1.7	1.5	68 cde	74 b	18.07 a-f	4500 abc	816 ab
VT 976133	1.5	0.9	81 fg	6.49	40 ef	2.1	1.5	3.0	67 fgh	73 c	16.82 ij	4479 a-d	770 b-e
Brantley	2.2	1.0	88 cde	6.45	51 a	2.3	1.1	2.0	68 d-g	73 cd	17.81 a-g	4255 bcd	757 b-e
N00098ol(Gre)	1.6	1.1	88 cde	6.43	40 e	2.6	1.5	2.1	67 ghi	73 de	17.44 f-i	4135 d	726 de
N00035J	0.9	1.2	94 a	6.30	52 a	2.2	1.4	2.3	65 j	71 gh	16.92 hij	4470 a-d	776 b-e
N01054	0.8	1.0	91 b	6.33	45 bc	1.9	1.5	1.6	66 ghi	71 fg	17.47 e-i	4557 ab	807 abc
N01083	0.7	1.0	88 de	6.34	43 d	3.0	1.8	2.7	63 k	70 h	16.28 j	4446 a-d	731 de
VT 003069	1.7	1.0	87 e	6.31	43 cd	2.8	1.3	1.8	70 a	76 a	18.56 a	4575 ab	852 a
VT 003126	0.9	0.8	75 h	6.36	38 ef	2.1	1.6	1.1	69 abc	74 b	18.42 a	4456 a-d	820 ab
VT 003159	1.1	1.3	91 b	6.44	43 cd	2.1	1.6	2.9	64 k	70 h	16.23 j	4258 bcd	708 e
VT 003167	0.8	1.2	86 e	6.36	39 ef	1.9	2.0	1.7	67 fgh	73 de	17.61 c-h	4404 a-d	775 b-e
VT 003181	1.2	1.0	90 bc	6.34	38 f	2.0	1.6	1.5	67 e-h	72 de	17.63 b-h	4262 bcd	759 b-e
VT 004100	1.5	1.5	90 bc	6.45	40 ef	1.7	1.6	1.8	68 d-h	73 de	17.50 e-i	4372 a-d	774 b-e
VT 004123	1.6	1.4	89 bcd	6.38	44 bcd	1.7	1.4	1.7	68 def	73 de	17.58 d-h	4265 bcd	754 b-e
VT 004178	1.0	1.2	94 a	6.44	46 b	1.3	1.3	2.8	65 j	70 h	16.28 j	4403 a-d	736 cde
Mean	1.2	1.1	84	6.38	41	2.1	1.6	1.8	67	73	17.57	4387	776
CV (%)[4]			4		9				3	2	7	11	13

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[3] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not significantly different

[4] Values of relatively low importance are not reported.

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Table 48. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – three-year averages 2003-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.2	71 i	6.18	37 g	3.0	2.2	1.5	68 c-g	74 c	17.96 b-g	4379 bcd	794 bcd
Gregory	2.3	1.5	87 b	6.13	52 b	2.8	1.5	2.3	67 d-i	74 cd	17.66 c-i	4227 b-e	767 b-e
NC 12C	3.5	1.4	80 fg	6.16	51 bc	4.2	1.5	2.0	68 b-f	76 b	18.52 ab	4109 def	753 cde
VA 98R	1.0	0.9	71 i	6.20	40 f	3.9	1.9	1.8	68 c-g	75 b	18.15 a-f	4463 abc	816 abc
Wilson	0.7	2.1	75 h	6.26	38 g	2.8	2.0	1.2	66 ij	72 g	17.55 d-i	4293 b-e	762 b-e
Perry	1.4	1.1	69 i	6.17	44 de	3.9	2.0	1.1	69 bc	76 b	18.82 a	4257 b-e	796 bcd
CHAMPS	1.9	2.3	77 h	6.09	43 ef	2.4	2.2	1.4	69 ab	75 b	18.32 a-d	4039 ef	748 de
Phillips	1.4	1.0	79 g	6.18	52 b	3.6	1.4	1.4	69 ab	76 b	18.85 a	4390 bcd	826 ab
N99103ol(9)	0.8	1.8	75 h	6.30	43 ef	4.8	1.5	1.6	68 c-g	75 b	18.37 abc	4413 a-d	820 abc
VT 976133	1.8	1.6	80 fg	6.15	46 d	3.3	1.6	2.9	67 c-h	75 b	17.40 f-i	4476 abc	802 a-d
Brantley	3.6	1.2	84 cde	6.18	54 ab	3.3	1.5	2.8	67 f-i	74 c	17.52 e-i	3814 f	679 f
N00098ol(Gre)	2.6	1.0	83 de	6.17	45 d	4.3	1.7	2.3	66 hij	74 c	17.58 d-i	4015 ef	716 ef
N00035J	1.2	1.6	93 a	6.02	56 a	3.6	1.4	2.5	65 jk	72 fg	17.10 hi	4515 ab	792 bcd
N01054	0.8	1.3	91 a	6.12	53 b	3.6	1.3	1.3	67 d-i	73 de	18.27 a-e	4715 a	866 a
N01083	0.8	0.9	86 bc	5.91	49 c	4.5	1.7	2.7	63 k	72 fg	16.95 i	4697 a	810 a-d
VT 003069	2.2	1.0	83 de	6.05	46 d	4.2	1.4	1.8	70 a	78 a	18.88 a	4287 b-e	820 abc
VT 003126	1.1	1.5	72 i	6.15	46 d	3.1	2.1	1.5	68 bcd	75 b	18.42 abc	4301 b-e	793 bcd
VT 003159	1.3	1.1	91 a	6.20	50 c	3.2	1.5	2.5	65 jk	72 fg	17.19 ghi	4160 cde	727 ef
VT 003167	1.0	1.3	82 ef	6.40	43 ef	3.5	2.6	2.0	66 ij	74 cd	17.45 f-i	4268 b-e	762 b-e
VT 003181	1.7	1.2	88 b	6.02	43 ef	3.3	1.7	2.0	67 e-i	74 cd	17.79 b-h	3996 ef	725 ef
VT 004100	1.6	2.2	87 bc	6.34	45 d	2.9	1.9	2.0	67 c-h	74 c	17.75 b-h	4232 b-e	767 b-e
VT 004123	1.9	1.5	86 bcd	6.30	49 c	2.8	1.9	1.4	68 b-e	74 c	18.41 abc	3836 f	703 ef
VT 004178	1.6	1.2	92 a	6.20	53 b	2.5	1.3	2.5	66 ghi	73 ef	17.28 ghi	4213 b-e	749 de
Mean	1.6	1.4	82	6.17	47	3.5	1.7	1.9	67	74	17.92	4265	774
CV (%)[4]			5		8				3	2	6	11	13

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Four-year Averages by Location

Table 49. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.9	1.0	71 d	7.14	32 ef	1.9	2.0	1.2	69 ab	74 bc	18.08 ab	3905 a	712 abc
Gregory	2.5	1.4	87 a	7.45	45 b	2.2	1.4	3.3	66 cd	73 cd	16.79 bc	3692 ab	625 bcd
NC 12C	2.6	1.4	79 bc	7.14	45 b	2.4	1.4	2.0	69 ab	75 ab	18.07 ab	3955 a	719 ab
VA 98R	0.8	1.0	74 cd	7.56	33 ef	2.7	2.0	1.9	68 bc	75 ab	17.95 ab	3969 a	715 abc
Wilson	0.5	0.9	79 bc	7.21	30 f	1.8	1.8	1.8	65 de	71 e	16.90 bc	4144 a	708 abc
Perry	0.9	1.3	70 d	7.40	37 cd	2.2	1.8	0.9	70 a	75 ab	18.60 a	4035 a	758 a
CHAMPS	1.4	1.0	79 bc	7.39	34 def	1.8	1.8	1.4	70 ab	75 ab	18.36 ab	3651 ab	670 abc
Phillips	1.2	0.9	79 bc	7.32	44 b	2.0	1.5	1.7	69 ab	74 abc	18.28 ab	4049 a	750 a
N99103ol(9)	0.8	0.7	72 d	7.53	36 cde	2.9	1.8	1.1	69 ab	75 a	18.62 a	4025 a	752 a
VT 976133	1.9	0.9	81 b	7.74	40 c	1.8	1.3	4.3	67 cd	74 bc	16.20 c	3988 a	655 abc
Brantley	2.4	1.3	86 a	7.65	50 a	2.3	1.2	3.4	67 cd	74 cd	16.88 bc	3481 ab	594 cd
N00098ol(Gre)	1.9	1.4	86 a	7.60	38 cd	3.3	1.5	4.2	64 e	73 d	16.01 c	3221 b	519 d
Mean	1.5	1.1	79	7.43	39	2.3	1.6	2.3	68	74	17.56	3843	681
CV (%)[4]			6		10				2	1	8	15	16

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 50. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig II – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.5	1.9	69 ef	5.97	33 d	2.9	1.9	1.3	69 ab	75 abc	18.50 ab	3736 a	690 a
Gregory	3.6	2.5	87 a	5.85	52 a	2.8	1.0	1.9	69 ab	75 c	18.41 ab	3832 a	698 a
NC 12C	4.2	2.0	78 bc	6.04	49 a	4.0	1.3	1.7	69 ab	76 ab	18.84 ab	3811 a	702 a
VA 98R	1.1	1.4	71 de	5.96	37 c	3.3	1.4	1.5	69 ab	76 ab	18.43 ab	3753 a	690 a
Wilson	1.0	4.7	73 cde	6.19	33 d	1.9	2.0	1.8	66 d	72 d	17.17 c	3944 a	682 a
Perry	1.9	1.5	65 f	6.00	40 bc	3.0	2.1	1.4	70 ab	76 a	18.75 ab	3754 a	697 a
CHAMPS	3.2	3.0	74 bcd	5.79	37 c	2.0	2.0	1.3	70 a	75 abc	18.52 ab	3546 ab	650 ab
Phillips	2.2	1.6	75 bcd	5.89	50 a	3.3	1.3	1.5	70 a	76 a	19.06 a	3909 a	741 a
N99103ol(9)	1.5	4.4	71 de	6.19	40 bc	4.7	1.3	1.7	68 bc	76 ab	18.31 ab	3939 a	720 a
VT 976133	2.5	3.6	79 b	6.00	43 b	2.0	1.8	3.2	68 bc	75 abc	17.13 c	3864 a	662 a
Brantley	4.7	1.5	84 a	5.94	52 a	2.7	1.3	2.7	68 bc	75 bc	17.97 bc	3082 b	544 b
N00098ol(Gre)	3.3	1.2	85 a	5.96	42 b	3.8	1.4	2.0	67 cd	74 c	17.85 bc	3635 ab	642 ab
Mean	2.6	2.5	76	5.98	42	3.0	1.6	1.8	69	75	18.24	3734	677
CV (%)[4]			6		8				2	1	5	15	15

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 51. Grade characteristics, yield, and value of lines in Columbus County, North Carolina,- Dig I – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.9	67 f	6.32	29 g	2.0	3.7	2.2	63 bcd	71 cde	16.61 abc	3533 bc	606 abc
Gregory	1.5	2.0	88 a	6.24	43 b	2.3	2.2	3.3	62 d	70 ef	15.45 bc	3558 bc	569 c
NC 12C	2.9	2.0	80 b	6.16	43 b	2.1	2.0	3.1	65 abc	72 abc	16.57 abc	3448 bc	587 bc
VA 98R	0.7	1.4	69 ef	6.31	34 ef	2.7	3.4	2.2	64 a-d	72 ab	17.04 a	3622 bc	638 abc
Wilson	0.5	1.5	78 bc	6.28	32 fg	2.3	2.8	1.6	62 cd	69 f	16.54 abc	4168 a	705 a
Perry	0.9	2.0	72 de	6.32	36 def	2.8	2.9	1.9	65 ab	73 ab	17.44 a	3277 c	588 bc
CHAMPS	1.1	1.2	78 bc	6.07	34 ef	1.7	3.0	1.4	66 a	72 ab	17.56 a	3505 bc	626 abc
Phillips	0.7	1.2	76 cd	6.09	41 bc	2.5	2.3	2.3	65 ab	72 ab	17.25 a	3511 bc	619 abc
N99103ol(9)	0.8	1.6	68 ef	6.34	33 f	3.3	2.9	2.6	64 a-d	73 a	16.82 ab	3948 ab	693 ab
VT 976133	1.3	1.4	77 bc	6.44	38 cd	2.8	2.9	4.1	62 cd	72 abc	15.23 c	3760 abc	605 abc
Brantley	2.5	1.6	85 a	6.35	47 a	2.8	1.8	3.1	63 bcd	71 bcd	16.40 abc	3410 bc	580 bc
N00098ol(Gre)	1.4	1.5	86 a	6.31	37 cde	2.9	2.5	2.9	62 cd	71 de	16.15 abc	3512 bc	592 abc
Mean	1.3	1.6	77	6.27	37	2.5	2.7	2.6	64	71	16.59	3604	617
CV (%)[4]			5		9				4	2	7	13	16

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 52. Grade characteristics, yield, and value of lines in Columbus County, North Carolina, Dig II – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.1	1.2	63 d	6.10	33 e	3.9	3.2	3.6	62 cd	73 cd	15.65 bcd	3142 ab	513 ab
Gregory	2.3	1.5	82 a	6.10	43 ab	3.4	2.1	5.6	61 d	72 d	14.39 d	2706 a-d	428 bcd
NC 12C	3.5	1.6	76 ab	6.06	45 ab	4.8	1.9	4.4	63 bcd	74 ab	15.97 a-d	2663 bcd	448 a-d
VA 98R	1.2	1.1	64 d	6.26	37 cde	4.5	3.0	3.3	63 bcd	74 abc	16.58 a-d	3266 a	556 a
Wilson	0.9	1.1	70 bc	6.41	33 e	3.5	3.2	2.7	61 d	70 e	16.09 a-d	2917 abc	484 abc
Perry	1.5	1.6	68 cd	6.24	42 bc	3.8	2.5	2.2	66 a	75 a	17.91 a	2919 abc	533 ab
CHAMPS	1.8	3.5	76 ab	6.25	40 bcd	2.8	3.0	3.1	64 abc	73 bc	16.42 a-d	2634 bcd	454 a-d
Phillips	1.5	1.0	78 a	6.11	49 a	5.1	1.8	2.7	65 ab	74 ab	17.43 ab	2765 a-d	492 abc
N99103ol(9)	0.8	0.8	68 cd	6.35	36 de	6.3	2.6	3.0	62 cd	74 abc	16.83 abc	2924 abc	514 ab
VT 976133	2.8	1.0	76 ab	6.31	43 ab	5.1	2.5	5.3	61 d	74 abc	15.22 cd	2965 abc	486 abc
Brantley	4.3	1.5	77 a	6.32	44 ab	4.4	2.0	5.9	62 cd	74 abc	14.68 cd	2305 d	362 d
N00098ol(Gre)	3.2	1.2	79 a	6.22	37 cde	5.3	2.1	4.8	61 d	73 cd	14.96 cd	2435 cd	394 cd
Mean	2.1	1.4	73	6.23	40	4.4	2.5	3.9	63	73	16.01	2803	472
CV (%)[4]			8		12				4	1	12	18	21

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 53. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig I – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.5	1.2	77 d	6.54	33 e	1.7	2.1	1.0	68 ab	73 ab	17.93 ab	4441 abc	795 ab
Gregory	3.1	1.9	89 a	6.45	46 b	2.0	1.6	2.3	64 e	70 de	17.03 cd	4447 abc	752 bc
NC 12C	4.5	1.6	84 bc	6.46	46 b	2.3	1.7	1.8	68 abc	74 a	18.17 a	3998 d	706 c
VA 98R	1.4	1.1	71 e	6.76	33 de	2.7	2.0	2.2	66 cd	73 ab	17.21 bcd	4403 abc	766 bc
Wilson	0.8	1.0	85 abc	6.64	33 de	2.2	2.0	1.2	64 e	70 e	17.16 bcd	4547 ab	782 abc
Perry	1.7	1.7	72 e	6.50	40 c	2.4	2.7	1.4	67 bcd	73 ab	17.85 abc	4119 cd	734 bc
CHAMPS	1.9	1.1	81 cd	6.45	34 de	2.0	2.1	0.8	69 a	74 a	18.26 a	4693 a	851 a
Phillips	1.7	0.9	81 cd	6.46	47 b	2.0	1.5	1.3	68 ab	73 ab	18.31 a	4313 bcd	785 abc
N99103ol(9)	1.2	0.8	77 d	6.71	33 de	2.5	2.1	1.9	67 a-d	74 a	17.68 a-d	4377 abc	781 abc
VT 976133	2.5	0.8	81 cd	6.65	38 cd	2.1	1.8	2.5	66 de	72 bc	16.93 d	4567 ab	790 ab
Brantley	3.5	1.1	89 a	6.41	52 a	2.0	1.1	1.8	67 a-d	72 bc	17.85 abc	4403 abc	777 abc
N00098ol(Gre)	2.3	1.2	88 ab	6.53	37 cde	2.9	2.0	2.0	64 e	71 cd	17.07 cd	4316 bcd	742 bc
Mean	2.2	1.2	81	6.55	39	2.2	1.9	1.7	67	72	17.62	4385	772
CV (%)[4]			5			11			2	1	4	7	9

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 54. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	0.8	74 d	6.64	40 e	2.2	2.5	1.4	67 ab	73 cde	18.08 abc	4626 abc	835 ab
Gregory	2.0	1.0	88 a	6.84	54 a	1.8	1.7	1.9	67 ab	73 ef	17.90 bc	4447 abc	806 ab
NC 12C	4.1	1.0	83 b	6.68	56 a	3.3	1.3	1.7	70 a	76 a	19.10 a	4444 abc	830 ab
VA 98R	1.1	0.7	73 d	6.70	42 de	3.3	2.0	1.7	68 ab	75 a-d	18.24 abc	4543 abc	833 ab
Wilson	0.9	0.6	80 bc	6.68	41 e	2.9	1.8	0.9	66 b	72 f	17.91 bc	4318 bc	774 b
Perry	1.7	0.8	72 d	6.61	47 bc	3.2	1.8	0.8	70 a	76 a	19.11 a	4299 bc	817 ab
CHAMPS	1.9	0.9	79 c	6.61	45 bcd	2.5	2.0	1.4	70 a	76 a	18.72 abc	4456 abc	826 ab
Phillips	1.4	0.7	82 bc	6.70	54 a	3.5	1.5	1.6	69 ab	75 abc	18.75 ab	4836 a	905 a
N99103ol(9)	1.0	0.6	79 c	6.68	43 cde	4.0	1.7	1.7	68 ab	75 ab	18.47 abc	4417 abc	817 ab
VT 976133	2.0	0.7	81 bc	6.68	46 bc	2.4	1.4	2.7	68 ab	75 abc	17.60 c	4747 ab	850 ab
Brantley	3.2	0.8	87 a	6.76	57 a	2.4	1.4	2.0	68 ab	73 def	18.00 abc	4146 c	745 b
N00098ol(Gre)	2.7	0.9	87 a	6.71	48 b	2.9	1.7	1.6	68 ab	74 b-e	18.29 abc	4395 abc	792 ab
Mean	1.9	0.8	80	6.69	48	2.9	1.7	1.6	68	74	18.35	4473	819
CV (%)[4]			4		7				4	2	5	9	12

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 55. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.6	1.5	80 de	7.16	32 fg	1.4	2.4	0.5	67 bc	71 bc	17.70 c	5001 abc	884 a
Gregory	1.2	1.6	93 a	6.99	48 b	1.1	1.8	1.0	66 cd	70 d	17.66 c	5004 abc	878 ab
NC 12C	2.1	1.7	87 b	7.09	46 bc	1.4	1.4	0.9	68 ab	72 abc	18.22 a	4535 e	816 b
VA 98R	0.5	1.2	78 e	7.06	35 ef	1.5	2.0	0.5	68 abc	72 abc	17.98 abc	5084 abc	911 a
Wilson	0.4	1.0	83 cd	7.38	30 g	1.1	2.1	0.3	65 d	69 e	17.11 d	5085 abc	869 ab
Perry	0.6	2.1	78 e	6.94	36 e	1.0	2.4	0.9	68 abc	72 abc	17.82 bc	4612 de	819 b
CHAMPS	0.9	1.3	85 bc	7.13	36 e	0.9	1.9	0.4	69 a	72 abc	18.11 ab	5178 ab	933 a
Phillips	0.6	1.2	86 bc	7.22	42 d	1.2	1.9	0.5	68 ab	72 abc	18.08 ab	5016 abc	903 a
N99103ol(9)	0.5	1.0	80 de	7.26	33 efg	1.3	2.5	0.6	68 ab	73 a	18.01 abc	4859 cd	873 ab
VT 976133	0.8	1.1	86 bc	7.31	40 d	1.0	1.7	0.4	69 a	72 ab	18.22 a	4907 bc	891 a
Brantley	1.4	1.2	94 a	7.35	52 a	1.4	1.3	0.6	68 ab	71 bc	18.21 a	4990 abc	901 a
N00098ol(Gre)	1.0	1.1	92 a	7.30	44 cd	1.5	1.9	0.6	67 bc	71 c	17.94 abc	5212 a	930 a
Mean	0.9	1.4	85	7.18	39	1.2	1.9	0.6	68	72	17.92	4957	884
CV (%)[4]			4		8				2	1	2	5	6

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 56. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.7	0.8	79 de	6.75	42 g	2.4	2.3	0.8	68 abc	74 cd	18.40 abc	5496 ab	1007 ab
Gregory	1.6	0.8	94 a	6.46	58 a	2.4	1.5	1.0	68 ab	73 d	18.62 a	5581 ab	1027 ab
NC 12C	2.6	1.2	87 b	6.57	53 bc	3.1	1.7	1.4	67 bc	74 bcd	18.46 ab	4904 c	890 c
VA 98R	0.7	0.7	74 e	6.44	44 fg	3.6	2.0	0.9	68 abc	75 ab	18.65 a	5477 ab	1017 ab
Wilson	0.4	0.6	80 cd	6.53	41 g	2.5	1.9	0.5	66 c	71 e	17.92 c	5682 a	1017 ab
Perry	0.7	0.8	75 e	6.50	46 f	3.9	2.2	0.6	68 bc	74 abc	18.68 a	5248 b	977 ab
CHAMPS	1.0	0.8	82 bcd	6.44	47 ef	2.1	2.1	1.1	69 ab	74 abc	18.58 a	5246 b	970 ab
Phillips	0.6	0.6	83 bcd	6.60	55 ab	2.4	1.5	1.0	70 a	75 a	18.91 a	5593 ab	1053 a
N99103ol(9)	0.4	0.5	80 cd	6.68	46 ef	3.7	1.7	0.5	69 ab	75 a	18.91 a	5451 ab	1031 ab
VT 976133	1.2	0.5	84 bc	6.47	50 de	2.5	1.2	0.9	70 a	75 abc	18.91 a	5469 ab	1028 ab
Brantley	1.6	0.7	92 a	6.59	58 a	2.0	1.4	0.9	69 ab	73 d	18.63 a	5399 ab	996 ab
N00098ol(Gre)	1.0	0.6	86 b	6.68	52 cd	3.2	1.9	1.8	66 c	73 d	17.97 bc	5406 ab	964 b
Mean	1.0	0.7	83	6.56	49	2.8	1.8	1.0	68	74	18.55	5413	998
CV (%)[4]			6		7				3	1	3	6	7

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 57. Grade characteristics, yield, and value of lines averaged across all locations, Dig I – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.4	74 d[3]	6.79	31 f	1.7	2.6	1.2	67 cde	72 de	17.58 ab	4220 bc	$749 a-d
Gregory	2.1	1.7	89 a	6.78	46 b	1.9	1.8	2.5	65 f	71 f	16.73 d	4175 bc	706 de
NC 12C	3.0	1.7	83 b	6.71	45 bc	2.0	1.6	2.0	68 bc	73 abc	17.76 ab	3984 c	707 de
VA 98R	0.9	1.2	73 d	6.92	34 e	2.4	2.4	1.7	67 cde	73 abc	17.54 ab	4270 ab	758 abc
Wilson	0.5	1.1	81 bc	6.88	31 f	1.8	2.2	1.2	64 f	70 g	16.93 cd	4486 a	766 ab
Perry	1.0	1.8	73 d	6.79	37 d	2.1	2.5	1.3	67 bc	73 abc	17.93 a	4011 c	725 b-e
CHAMPS	1.3	1.1	81 bc	6.76	34 e	1.6	2.2	1.0	68 a	73 ab	18.07 a	4257 ab	770 ab
Phillips	1.1	1.1	80 c	6.78	43 c	1.9	1.8	1.5	68 ab	73 bc	17.98 a	4222 bc	764 ab
N99103ol(9)	0.8	1.0	74 d	6.96	34 e	2.5	2.3	1.5	67 bcd	74 a	17.78 ab	4302 ab	775 a
VT 976133	1.6	1.0	81 bc	7.03	39 d	1.9	1.9	2.8	66 e	73 cd	16.65 d	4306 ab	735 a-e
Brantley	2.4	1.3	88 a	6.94	50 a	2.1	1.4	2.2	66 de	72 e	17.33 bc	4071 bc	713 cde
N00098ol(Gre)	1.6	1.3	88 a	6.93	39 d	2.6	2.0	2.4	64 f	71 f	16.79 d	4065 bc	696 e
Mean	1.4	1.3	80	6.86	39	2.1	2.0	1.8	66	72	17.42	4197	739
CV (%)[4]			5		10				3	1	6	10	11

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 58. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – four-year averages 2002-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.1	1.2	71 g	6.37	37 h	2.8	2.5	1.7	67 b	74 c	17.66 bc	4250 a	761 abc
Gregory	2.4	1.4	88 a	6.31	52 ab	2.6	1.5	2.6	66 bc	73 d	17.33 c	4141 abc	740 bcd
NC 12C	3.6	1.5	81 c	6.34	51 b	3.8	1.6	2.3	67 ab	75 ab	18.09 ab	3955 cd	718 cd
VA 98R	1.0	1.0	70 g	6.34	40 g	3.7	2.1	1.8	67 b	75 ab	17.98 ab	4260 a	774 ab
Wilson	0.8	1.8	76 ef	6.45	37 h	2.7	2.2	1.5	65 d	71 e	17.27 c	4215 ab	740 bcd
Perry	1.5	1.2	70 g	6.34	43 de	3.5	2.2	1.3	68 a	75 a	18.61 a	4055 abc	756 abc
CHAMPS	1.9	2.1	78 de	6.27	42 ef	2.4	2.3	1.7	68 a	75 b	18.06 ab	3970 bcd	725 bcd
Phillips	1.4	1.0	80 cd	6.32	52 ab	3.6	1.5	1.7	68 a	75 ab	18.54 a	4276 a	798 a
N99103ol(9)	0.9	1.6	74 f	6.47	41 fg	4.7	1.9	1.7	67 b	75 ab	18.13 ab	4183 abc	771 abc
VT 976133	2.1	1.5	80 cd	6.37	46 c	3.0	1.7	3.0	67 b	75 b	17.22 c	4261 a	757 abc
Brantley	3.5	1.1	85 b	6.40	53 a	2.9	1.5	2.9	66 bc	74 c	17.32 c	3733 d	662 e
N00098ol(Gre)	2.6	1.0	84 b	6.39	45 cd	3.8	1.8	2.6	65 cd	74 cd	17.27 c	3968 bcd	698 de
Mean	1.9	1.3	78	6.36	45	3.3	1.9	2.1	67	74	17.79	4106	741
CV (%)[4]			6		9				3	1	7	11	13

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signific antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Five-year Averages by Location

Table 59. Grade characteristics, yield, and value of lines in Martin County, North Carolina, Dig I – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.0	70 ef	6.85	33 bc	2.3	2.0	1.2	69 ab	74 a	20.90 a	4026 a	859 ab
Gregory	2.4	1.5	86 a	7.10	45 a	2.5	1.5	3.3	66 d	73 b	19.34 b	3771 a	738 b
NC 12C	2.6	1.5	78 b	6.84	44 a	2.8	1.8	2.0	68 bc	75 a	20.63 a	3883 a	792 ab
VA 98R	0.9	1.0	72 def	7.22	33 bc	3.2	2.1	2.0	67 c	75 a	20.56 a	4001 a	826 ab
Wilson	0.5	1.0	77 bc	6.91	30 c	2.2	2.1	1.9	64 e	71 c	19.23 b	4179 a	812 ab
Perry	0.9	1.3	68 f	7.06	36 b	2.4	2.0	0.9	70 a	75 a	21.32 a	4052 a	869 a
CHAMPS	1.3	1.1	78 b	7.04	34 bc	2.2	2.0	1.4	69 ab	75 a	20.94 a	3809 a	811 ab
Phillips	1.2	0.9	76 bcd	7.02	44 a	2.6	1.5	1.6	69 ab	75 a	21.16 a	4171 a	902 a
N99103ol(9)	0.8	0.8	73 cde	7.17	37 b	3.3	1.8	1.2	69 ab	75 a	21.31 a	4166 a	903 a
Mean	1.3	1.1	75	7.02	37	2.6	1.9	1.7	68	74	20.60	4006	835
CV (%)[4]			6		11				2	1	4	14	15

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif cantly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 60. Grade characteristics, yield, and value of lines in Martin County, Virginia, Dig II – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.5	1.7	68 de	6.25	34 d	3.2	1.9	1.5	69 a	75 ab	21.14 abc	3827 a	816 a
Gregory	3.4	2.3	87 a	6.01	53 a	3.0	1.0	2.4	68 ab	75 b	20.81 c	4050 a	852 a
NC 12C	3.9	1.8	76 b	6.28	49 b	4.1	1.3	1.5	69 a	76 a	21.83 a	3942 a	857 a
VA 98R	1.1	1.4	70 de	6.16	38 c	3.6	1.4	1.9	69 a	76 ab	20.91 bc	3832 a	806 a
Wilson	1.0	3.9	73 bcd	6.35	34 d	2.0	1.9	1.9	66 c	72 c	19.78 d	3845 a	754 a
Perry	1.8	1.6	67 e	6.20	41 c	3.4	2.0	1.4	69 a	76 a	21.59 abc	3931 a	860 a
CHAMPS	3.0	2.7	75 bc	6.03	38 c	2.3	2.0	1.8	69 a	75 ab	20.82 c	3674 a	766 a
Phillips	2.0	1.4	72 bcd	6.14	49 b	3.8	1.3	1.6	70 a	76 a	21.76 ab	3938 a	854 a
N99103ol(9)	1.3	3.6	70 cde	6.42	41 c	5.1	1.3	1.9	67 b	76 a	21.02 abc	4030 a	855 a
Mean	2.1	2.3	73	6.20	42	3.4	1.5	1.8	69	75	21.07	3897	825
CV (%)[4]			6		8				2	1	4	14	14

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 61. Grade characteristics, yield, and value of lines in Columbus County, Virginia, Dig I – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.9	68 d	6.77	27 c	1.7	3.3	2.0	63 bcd	70 b	19.03 ab	3504 bcd	678 bcd
Gregory	1.4	2.1	88 a	6.61	40 a	1.9	2.3	3.2	61 d	69 c	17.63 c	3514 bcd	630 d
NC 12C	2.6	1.9	80 b	6.57	39 a	1.8	2.1	2.5	65 ab	71 ab	18.98 ab	3417 cd	656 cd
VA 98R	0.7	1.4	70 d	6.58	32 b	2.6	3.1	2.0	64 abc	72 a	19.58 ab	3615 bcd	723 abc
Wilson	0.5	1.4	79 b	6.71	31 b	2.3	2.6	1.6	62 cd	68 c	18.81 b	4102 a	776 a
Perry	0.8	2.0	71 cd	6.65	32 b	2.4	2.8	1.8	65 ab	72 a	19.79 ab	3198 d	638 d
CHAMPS	1.0	1.2	79 b	6.60	33 b	1.5	2.7	1.1	66 a	72 a	20.05 a	3667 bc	759 ab
Phillips	0.7	1.3	75 c	6.37	38 a	2.3	2.4	2.1	65 ab	72 a	19.65 ab	3452 bcd	682 bcd
N99103ol(9)	0.7	1.6	70 d	6.67	30 bc	3.1	2.9	2.3	64 bc	72 a	19.27 ab	3847 ab	754 ab
Mean	1.1	1.6	75	6.61	34	2.2	2.7	2.1	64	71	19.20	3591	699
CV (%)[4]			5		11				4	2	6	12	12

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 62. Grade characteristics, yield, and value of lines in Columbus County, North Carolinia, Dig II – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.3	1.2	64 f	6.07	32 c	4.4	3.0	3.5	61 b	72 c	18.26 cd	3186 ab	600 a
Gregory	2.1	1.4	83 a	6.07	43 ab	3.0	1.9	4.9	62 b	71 d	17.33 d	2870 ab	546 ab
NC 12C	3.6	1.5	76 bc	6.05	43 ab	4.4	1.9	5.0	62 b	73 abc	17.45 d	2725 b	494 b
VA 98R	1.2	1.0	66 ef	6.22	36 c	4.5	2.8	3.6	63 b	73 abc	18.61 bcd	3299 a	627 a
Wilson	0.8	1.0	72 cd	6.38	33 c	3.3	2.8	2.7	61 b	70 e	18.62 bcd	3030 ab	586 ab
Perry	1.5	1.5	68 def	6.22	41 b	3.7	2.3	2.2	66 a	74 a	20.45 a	3053 ab	644 a
CHAMPS	1.8	3.0	78 ab	6.20	40 b	2.8	2.7	2.8	64 a	73 bc	19.16 abc	2958 ab	616 a
Phillips	1.3	1.0	78 ab	6.13	47 a	4.6	1.8	2.5	65 a	74 ab	19.92 ab	2988 ab	624 a
N99103ol(9)	1.1	0.7	70 de	6.32	35 c	6.0	2.5	3.2	62 b	74 ab	19.28 abc	2939 ab	583 ab
Mean	1.6	1.4	73	6.18	39	4.1	2.4	3.4	63	73	18.79	3005	591
CV (%)[4]			8		12				3	1	8	16	16

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 63. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig I – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.4	1.2	76 d	6.49	36 c	1.7	2.1	0.9	68 abc	73 a	20.80 ab	4639 ab	984 ab
Gregory	2.8	1.7	90 a	6.47	48 a	1.9	1.5	2.0	66 de	71 b	20.08 bc	4719 a	972 ab
NC 12C	3.9	1.5	83 b	6.41	45 a	2.4	1.6	1.5	68 abc	74 a	21.13 a	4312 c	927 b
VA 98R	1.3	1.0	71 e	6.64	35 c	2.8	2.0	1.8	67 cd	73 a	20.30 bc	4621 ab	969 ab
Wilson	0.9	0.9	83 b	6.57	36 c	2.1	1.9	1.1	65 e	70 b	19.94 c	4739 a	965 ab
Perry	1.5	1.7	71 e	6.44	40 b	2.5	2.5	1.1	67 bcd	73 a	20.71 ab	4383 bc	935 b
CHAMPS	1.8	1.1	81 bc	6.43	37 c	1.9	1.9	0.7	70 a	74 a	21.24 a	4856 a	1042 a
Phillips	1.7	0.9	81 bc	6.46	47 a	2.4	1.4	1.2	69 ab	74 a	21.24 a	4634 ab	1013 a
N99103ol(9)	1.2	0.7	77 cd	6.72	36 c	2.6	2.0	1.6	67 bc	74 a	20.57 abc	4570 abc	965 ab
Mean	1.8	1.2	79	6.51	40	2.2	1.9	1.3	67	73	20.67	4608	975
CV (%)[4]			6		8				2	1	4	7	8

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 64. Grade characteristics, yield, and value of lines in Southampton County, Virginia, Dig II – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	0.8	73 e	6.87	42 d	2.5	2.2	1.2	68 cd	74 c	21.11 bc	4790 ab	1025 b
Gregory	2.0	1.0	88 a	6.98	55 a	1.8	1.5	1.5	68 bcd	73 c	20.96 c	4690 b	1015 b
NC 12C	3.9	1.0	83 b	6.84	56 a	3.5	1.2	1.4	70 ab	76 a	22.08 a	4742 ab	1057 ab
VA 98R	1.1	0.7	72 e	6.92	42 d	3.4	1.8	1.5	68 bcd	75 b	21.26 bc	4753 ab	1037 b
Wilson	0.9	0.7	79 d	6.90	42 d	2.8	1.6	0.8	67 d	72 d	20.78 c	4688 b	1015 b
Perry	1.5	0.9	72 e	6.76	48 b	3.2	1.7	0.6	70 a	76 ab	21.98 a	4724 ab	1081 ab
CHAMPS	1.8	0.9	79 cd	6.73	47 bc	2.7	1.8	1.2	70 abc	76 ab	21.71 ab	4675 b	1030 b
Phillips	1.3	0.7	82 bc	6.85	55 a	3.3	1.4	1.3	69 abc	75 b	21.77 ab	5110 a	1140 a
N99103ol(9)	1.0	0.6	78 d	6.97	44 cd	3.9	1.6	1.4	68 bcd	75 b	21.42 abc	4557 b	991 b
Mean	1.6	0.8	78	6.87	48	3.0	1.6	1.2	69	75	21.45	4748	1043
CV (%)[4]			4			7			3	1	3	8	9

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 65. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig I – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.5	1.5	81 de	7.24	33 cde	1.4	2.3	0.5	67 bc	71 a	20.29 ab	4977 ab	1006 abc
Gregory	1.1	1.6	94 a	7.22	47 a	1.0	1.7	0.8	66 c	70 b	20.11 b	5020 ab	1005 abc
NC 12C	1.9	1.7	88 b	7.19	45 ab	1.2	1.5	0.8	68 ab	72 a	20.66 a	4557 c	935 bc
VA 98R	0.6	1.3	79 e	7.15	35 cd	1.8	2.0	0.5	68 bc	72 a	20.52 ab	5023 ab	1021 abc
Wilson	0.3	1.1	84 cd	7.49	30 e	1.2	1.9	0.3	65 d	68 c	19.57 c	5117 ab	1005 abc
Perry	0.6	2.1	81 de	7.04	37 c	1.1	2.2	0.7	68 ab	72 a	20.40 ab	4522 c	910 c
CHAMPS	0.9	1.3	86 bc	7.18	37 c	1.0	1.8	0.3	69 a	72 a	20.76 a	5231 a	1086 a
Phillips	0.6	1.3	86 bc	7.33	42 b	1.3	1.9	0.4	68 ab	72 a	20.65 a	5018 ab	1033 ab
N99103ol(9)	0.4	1.1	81 de	7.40	32 de	1.3	2.7	0.5	68 ab	72 a	20.42 ab	4872 b	995 abc
Mean	0.8	1.4	84	7.25	38	1.3	2.0	0.5	67	71	20.37	4926	1000
CV (%)[4]			4		11				2	2	3	7	11

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 66. Grade characteristics, yield, and value of lines in the City of Suffolk, Virginia, Dig II – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	0.7	0.8	80 cd	6.60	41 de	2.5	2.2	0.7	68 bc	73 cd	20.98 d	5375 ab	1111 b
Gregory	1.5	0.7	94 a	6.34	57 a	2.1	1.3	0.9	68 abc	73 d	21.20 bcd	5557 a	1164 ab
NC 12C	2.4	1.2	88 b	6.41	52 b	2.9	1.6	1.3	68 cd	74 bc	21.11 cd	4841 c	999 c
VA 98R	0.6	0.7	74 e	6.34	43 cd	3.2	2.0	0.8	69 abc	75 a	21.39 abc	5299 ab	1109 b
Wilson	0.4	0.6	81 cd	6.40	39 e	2.3	1.8	0.5	66 d	71 e	20.39 e	5493 ab	1100 b
Perry	0.7	0.9	77 de	6.36	44 cd	3.5	2.2	0.5	68 cd	74 ab	21.27 a-d	5180 b	1091 b
CHAMPS	0.9	0.9	83 c	6.32	45 c	2.0	1.9	0.9	70 ab	74 a	21.32 a-d	5218 b	1104 b
Phillips	0.6	0.7	85 bc	6.44	54 ab	2.3	1.5	0.8	70 a	74 a	21.57 ab	5586 a	1199 a
N99103ol(9)	0.4	0.5	81 cd	6.53	45 c	3.5	1.6	0.5	69 abc	75 a	21.61 a	5415 ab	1165 ab
Mean	0.9	0.8	83	6.42	47	2.7	1.8	0.8	68	74	21.20	5329	1116
CV (%)[4]			6		8				2	1	2	6	8

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 67. Grade characteristics, yield, and value of lines averaged across all locations, Dig I – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.0	1.4	74 de	6.84	32 ef	1.8	2.4	1.2	67 bc	72 b	20.26 b	4287 b	882 ab
Gregory	1.9	1.7	89 a	6.85	45 a	1.8	1.8	2.3	65 d	71 c	19.29 c	4256 b	836 bc
NC 12C	2.8	1.7	82 b	6.75	43 b	2.1	1.7	1.7	67 bc	73 a	20.35 ab	4042 c	828 c
VA 98R	0.9	1.2	73 e	6.90	34 de	2.6	2.3	1.6	67 c	73 a	20.24 b	4315 b	885 ab
Wilson	0.5	1.1	81 bc	6.92	32 f	2.0	2.1	1.2	64 d	69 d	19.39 c	4534 a	890 a
Perry	1.0	1.8	73 e	6.80	36 c	2.1	2.4	1.1	67 b	73 a	20.56 ab	4039 c	838 bc
CHAMPS	1.3	1.2	81 bc	6.81	35 cd	1.7	2.1	0.9	69 a	73 a	20.75 a	4391 ab	924 a
Phillips	1.0	1.1	79 c	6.79	43 b	2.1	1.8	1.3	68 b	73 a	20.67 a	4319 b	908 a
N99103ol(9)	0.8	1.0	75 d	6.99	34 de	2.6	2.3	1.4	67 bc	73 a	20.39 ab	4364 ab	904 a
Mean	1.2	1.3	79	6.85	37	2.1	2.1	1.4	67	72	20.21	4283	877
CV (%)[4]			5		10				3	1	4	10	12

[1] Dug when early- to mid-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

Table 68. Grade characteristics, yield, and value of lines averaged across all locations, Dig II – five-year averages 2001-2005[1]

Variety or Line	% LSK	% FM	% Fancy[2]	% Moisture	% ELK	% SS	% OK	% DK	% SMK	% Total Kernels	Support Price $/cwt	Yield[3] lb/A	Value $/A
NC-V 11	1.2	1.1	71 d	6.45	37 f	3.1	2.3	1.7	67 b	74 c	20.37 bc	4294 ab	888 bc
Gregory	2.2	1.4	88 a	6.35	52 a	2.5	1.4	2.4	67 b	73 d	20.07 cd	4292 ab	894 bc
NC 12C	3.5	1.4	81 b	6.39	50 b	3.7	1.5	2.3	67 b	75 ab	20.62 b	4062 c	852 c
VA 98R	1.0	0.9	70 d	6.41	40 e	3.7	2.0	1.9	67 b	75 b	20.54 b	4296 ab	895 bc
Wilson	0.8	1.5	76 c	6.51	37 f	2.6	2.0	1.5	65 c	71 e	19.89 d	4264 abc	864 c
Perry	1.4	1.2	71 d	6.38	43 c	3.5	2.1	1.2	68 a	75 a	21.32 a	4222 abc	919 ab
CHAMPS	1.9	1.9	79 b	6.32	43 cd	2.5	2.1	1.7	68 a	75 b	20.75 b	4131 bc	879 bc
Phillips	1.3	0.9	79 b	6.39	51 ab	3.5	1.5	1.6	68 a	75 ab	21.25 a	4405 a	954 a
N99103ol(9)	0.9	1.4	75 c	6.56	41 de	4.6	1.8	1.8	67 b	75 ab	20.83 b	4235 abc	898 bc
Mean	1.6	1.3	77	6.42	44	3.3	1.8	1.8	67	74	20.63	4245	894
CV (%)[4]			6		9				3	1	5	11	11

[1] Dug when mid- to late-maturing lines were at their optimum maturity (60% to 70% of whole pods with mesocarp tissue either brown or black).

[2] Duncan's New Multiple Range Test (0.05). Means sharing the same letter(s) are not signif[ic]antly different.

[3] All yields are net, adjusted to a standard 7% moisture and foreign material is deducted.

[4] Values of relatively low importance are not reported.

PUBLICATION 432-301

www.ext.vt.edu

Produced by Communications and Marketing, College of Agriculture and Life Sciences,
Virginia Polytechnic Institute and State University, 2009