

UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2011

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Annual reports are available online at

<http://www.ars.usda.gov/Business/Business.htm?docid=4357&modecode=64-02-15-00&page=3>

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ISSUED ~ NOVEMBER, 2012

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INTRODUCTION

The Uniform Soybean Testing Program has been directed toward the testing of elite breeding lines that ultimately leads to the release of varieties. Breeding lines are developed and evaluated in several participating federal and state research programs. As breeding lines demonstrate specific qualities in the individual programs, they are advanced to the preliminary and uniform regional tests conducted in cooperation with research workers in the southern states. This testing program enables breeders to evaluate new strains under a wide variety of conditions, and permits new strains to be put into production in a minimum amount of time. Lines are usually entered only once in the Preliminary Test and then are either dropped or advanced to the Uniform Test for a maximum of three years if performance warrants further testing.

Eleven uniform test groups have been established to evaluate the best strains developed in the breeding programs. The groups 00 through IV are adapted in the northern part of the United States, and the groups IV-S through VIII are grown in the southern part. Within their area of adaptation, there is a maturity range of 12 to 18 days within each maturity class. The best varieties available in each maturity class are used as check varieties with which to compare new strains as to seed yield, chemical composition, maturity, height, lodging, seed quality, and reaction to diseases and nematodes. For the groups grown in the southern area, the check varieties are: AG3803(RR), AG4103(RR), AG4403(RR), LD00-3309, DK4866, AG4903(RR), AG4907(RR), 5002T, AG5606(RR), Osage, JTN5503, JTN-5203, AGS606(RR), Dillon, NC-Roy, TN08-109, AGS758RR, G03-1187RR, N7002, N7003CN, SC01-803RR, G04-1618RR, N05-7432, and N8001.

A wide range of soil and climatic conditions exists in the regions. As an aid in recognizing regional adaptation, the region has been subdivided into five rather broad areas which still represent a wide range of soil types. These are: (1) the East Coast, consisting of the Coastal Plain and Tidewater areas of the eastern shore of Maryland, Virginia, North Carolina, and the upper half of South Carolina; (2) the Southeast, consisting primarily of the Coastal Plain soils of the Gulf Coast area, but also including similar soil from South Carolina, southward; (3) the Upper and Central South, including the Piedmont and loessial hill soils east of the Mississippi River; (4) the Delta area, composed of the alluvial soils along the Mississippi River from southern Missouri, southward; and (5) the West, comprising Arkansas and Louisiana (outside the Delta), Kansas, Oklahoma, and Texas. In the West, the potential soybean-growing areas would include alluvial soils, and the Gulf Coast of Louisiana.

On nearly all of the soils, other than the alluvial soils along the Mississippi River, fertilization is essential for satisfactory soybean production. The soil test information is based upon analyses run by laboratories in conjunction with the states. Different methods are used for extraction and reporting by the various laboratories.

POLICY ON EVALUATION AND RELEASE OF STRAINS

Germplasm exchange among breeding programs is the foundation of breeding progress. The purpose of the Uniform Soybean Test is to facilitate the free exchange of germplasm in an effort to maximize genetic diversity and provide well-adapted, stable breeding lines and varieties in the pursuit of breeding progress. Participants are encouraged to exchange germplasm within the legal guidelines pertaining to transgenic strains.

Qualifications for Participation in the Uniform Soybean Tests

Participants must be willing and able to conduct unified tests with conventional strains and strains containing proprietary and/or transgenic traits.

Participants, upon submission of entries, must disclose pedigrees to the Uniform Soybean Test Coordinator for publication with performance data in the Uniform Soybean Test Report.

Participants are individually responsible to ensure that any transgenic entries that they submit are cleared for sale as commodity seed.

Use of Uniform Soybean Test Entries in Soybean Breeding and Research

Seed of Uniform Soybean Test entries is for evaluation in the Uniform Soybean Tests only, and may not be distributed to non-participants in these tests without prior approval by the originator of the entry.

Non-transgenic entries in the Uniform Soybean Test may be used by Uniform Soybean Test participants as parents only in biparental crosses or for developing recurrent selection populations. Transgenic entries may be used in crossing subject to similar rules unless licensing or patenting restrictions regarding ownership of the transgenic trait limit this use.

Uniform Soybean Test participants must obtain prior approval before using any entry, other than their own, for a recurrent parent in backcrossing, molecular research, genetic studies, or any other research which may lead to the citation of the entry in a patent.

Seed of any transgenic entry must not be used for further evaluation without written permission from the originator of the entry, and must be discarded at the end of the season, except for crossing purposes, subject to the restrictions outlined in the preceding sections two and three.

All published results from the USDA-ARS Uniform Soybean Tests Southern States may be used as a data base for statistical research and publication related to soybean breeding.

Release of Uniform Soybean Test Entries

Entries in the Uniform Soybean Tests are released according to USDA-ARS and State Agricultural Experiment Station policies.

ACKNOWLEDGEMENTS

The cooperation of the following scientists is gratefully acknowledged for their ratings of the Uniform Test entries: Dr. Roger Boerma, University of Georgia, Athens, Georgia - root-knot nematode; Dr. Patricia Donald, USDA-ARS, Jackson, Tennessee - soybean cyst nematode; Cathy Schmidt, Southern Illinois University, Carbondale, Illinois - soybean sudden death syndrome; and Gary Shelton and Dr. Susan Li, USDA-ARS, Stoneville, MS - stem canker.

The cooperation of Debbie Boykin, USDA-ARS, Stoneville, Mississippi, in the revision of the statistical analyses of the data and rewriting the computer programs to output the results of the analysis into tables is sincerely appreciated. The assistance of Gary Shelton in processing and distributing the seed for the Uniform Tests is sincerely appreciated.

We would like to acknowledge the support of this project provided by the United Soybean Board.

A special thanks to the following people whose cooperation and participation have helped to make the Uniform Soybean Tests Southern States possible:

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STRAIN DESIGNATION

The strains designated by number carry a letter prefix. This letter identifies where each strain was selected:

B	-	Virginia Agricultural Experiment Station, Blacksburg
CM	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
DB	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
DS	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
G	-	Georgia Agricultural Experiment Station
JTN	-	Tennessee Agricultural Experiment Station, Jackson and USDA-ARS
K	-	Kansas Agricultural Experiment Station
LG	-	Delta Branch Experiment Station and USDA-ARS, Stoneville, MS
LS	-	Southern Illinois University, Carbondale
MD	-	Maryland Agricultural Experiment Station and USDA-ARS
N	-	North Carolina Agricultural Experiment Station and USDA-ARS
NCC	-	North Carolina Agricultural Experiment Station and USDA-ARS
NMS	-	North Carolina Agricultural Experiment Station and USDA-ARS
R	-	Arkansas Agricultural Experiment Station
S	-	Missouri Agricultural Experiment Station
SC	-	South Carolina Agricultural Experiment Station, Clemson
TCHM	-	North Carolina Agricultural Experiment Station and USDA-ARS
TN	-	Tennessee Agricultural Experiment Station
V	-	Virginia Agricultural Experiment Station, Virginia Tech

SOYBEAN NURSERY INFORMATION

A. LOCATION CONTACT AND TESTS- 2011

	Location Contact	Area	IV-S-EARLY	IV-S	IV-S	V	V	VI	VI	VII	VII	VIII	VIII
Belle Mina,AL	David Weaver	South					U		U				
Fairhope,AL	David Weaver	South							U		U		U
Tallassee,AL(A)	David Weaver	South						P	U	P	U	P	U
Tallassee,AL(B)	David Weaver	South											U
Keiser,AR	P. Chen	Delta	P	P	U	P	U	P	U				
Stuttgart,AR	P. Chen	Delta	P	P	U	P	U	P	U				
Athens,GA(A)	H. Roger Boerma	South							U	P	U	P	U
Athens,GA(B)	H. Roger Boerma	South									U		U
Calhoun,GA	Don Day	South							U		U		
Plains,GA	H. Roger Boerma	South						P		P	U	P	U
Tifton,GA	Don Day	South							U		U		U
Dowell,IL	Jim Klein	South	P	P	U								
Ullin,IL(SDS)	Cathy Schmidt	South			U		U						
McCune,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Pittsburg,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Princeton,KY	Claire Venard	South			U		U						
Bossier City,LA	Blair Buckley	West			U		U		U		U		
Queenstown,MD	W. J. Kenworthy	East	P	P	U	P							
Portageville,MO(A)	Grover Shannon	Delta			U		U						
Portageville,MO(B)	Grover Shannon	Delta	P	P	U	P	U						
Starkville,MS	Brad Burgess	South			U		U						
Stoneville,MS	Gary Shelton	Delta	P	P	U	P	U	P	U				
Clayton,NC	Tommy Carter	East									U	P	U
Kinston,NC(A)	Tommy Carter	East				P	U			P	U	P	U
Kinston,NC(B)	Andrea Cardinal	East						P	U				
Plymouth,NC(A)	Tommy Carter	East						P	U	P	U		
Plymouth,NC(B)	Andrea Cardinal	East	P	P	U	P	U						
Stillwater,OK	Steve Moore	West			U		U						
Blackville,SC(A)	Emerson R. Shipe	South							U	P	U	P	
Blackville,SC(B)	Emerson R. Shipe	South									U		U
Clemson,SC	Emerson R. Shipe	South						P	U		U		U
Florence,SC(A)	Emerson R. Shipe	South							U		U	P	U
Jackson,TN	P. Arelli	South	P	P	U	P	U						
Knoxville,TN	Vincent R. Pantalone	South	P		U		U						
Springfield,TN	Vincent R. Pantalone	South	P		U		U						
Orange,VA	Steve A. Gulick	South	P		U		U						
Suffolk,VA	David Holshouser	East					U						
Warsaw,VA	Katy Martin Rainey	East	P	P	U	P	U						
TOTAL LOCATIONS PLANTED			12	11	20	11	21	8	15	6	15	7	12

B. PLANTING DATES – 2011

	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								6/3	6/3		
Fairhope,AL									6/15	6/15	6/15
Tallassee,AL(A)				5/23	5/23	5/23			5/23	5/23	5/23
Tallassee,AL(B)											8/3
Keiser,AR	6/3	6/3	6/2	6/2			6/3	6/2	6/2		
Stuttgart,AR	5/18	5/18	5/18	5/19			5/18	5/18	5/19		
Athens,GA(A)					5/31	5/31			5/31	5/31	5/24
Athens,GA(B)										6/20	6/20
Calhoun,GA									ND	ND	
Plains,GA				6/9	6/9	6/9				6/9	6/9
Tifton,GA									ND	ND	ND
Dowell,IL	6/2	6/2					6/2				
McCune,KS		ND	ND				ND	ND			
Pittsburg,KS		ND	ND				ND	ND			
Princeton,KY							ND	ND			
Bossier City,LA							ND	ND	ND	ND	
Queenstown,MD	5/31	ND	ND				ND				
Portageville,MO(A)							5/10	5/10			
Portageville,MO(B)	5/31	5/31	5/31				5/31	5/31			
Starkville,MS							ND	ND			
Stoneville,MS	4/17	4/17	4/17	4/17			4/17	4/17	4/17		
Clayton,NC						5/17				5/18	5/18
Kinston,NC(A)			6/13		6/14	6/14		6/14		6/14	6/14
Kinston,NC(B)				ND					ND		
Plymouth,NC(A)				ND	ND				ND	ND	
Plymouth,NC(B)	ND	ND	ND				ND	ND			
Stillwater,OK							5/4	5/4			
Blackville,SC(A)					6/1	6/1			6/1	6/1	
Blackville,SC(B)										6/23	6/23
Clemson,SC				6/14					6/14	6/14	6/14
Florence,SC(A)						ND			ND	ND	ND
Jackson,TN	5/18	5/20	5/31				5/31	5/31			
Knoxville,TN	6/11						5/11	5/11			
Springfield,TN	6/2						6/2	6/10			
Orange,VA	6/1						6/1	6/1			
Suffolk,VA								ND			
Warsaw,VA	5/23	5/23	5/23				5/23	5/23			

^z ND = No data reported

C. HARVEST DATES – 2011

	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								10/25	11/4		
Fairhope,AL									11/8	11/8	11/8
Tallassee,AL(A)				11/17	11/17	11/17			11/18	11/18	11/18
Tallassee,AL(B)											12/14
Keiser,AR	10/16	10/16	10/25	11/10			10/16	10/25	11/10		
Stuttgart,AR	10/20	10/20	10/20	10/25			10/20	10/20	10/25		
Athens,GA(A)					11/11	11/18			11/3	11/11	11/18
Athens,GA(B)										11/18	11/18
Calhoun,GA									ND	ND	
Plains,GA				10/26	11/1	11/22				11/1	11/2
Tifton,GA									ND	ND	ND
Dowell,IL	10/28	10/28					10/28				
McCune,KS		ND	ND				ND	ND			
Pittsburg,KS		ND	ND				ND	ND			
Princeton,KY							ND	ND			
Bossier City,LA							ND	ND	ND	ND	
Queenstown,MD	10/20	ND	ND				ND				
Portageville,MO(A)							10/11	10/20			
Portageville,MO(B)	10/11	10/17	10/24				10/17	10/24			
Starkville,MS							ND	ND			
Stoneville,MS	ND	ND	ND	ND			ND	ND	ND		
Clayton,NC						11/14				11/14	11/14
Kinston,NC(A)			11/20		11/20	11/20		11/20		11/20	11/20
Kinston,NC(B)				ND					ND		
Plymouth,NC(A)				ND	ND				ND	ND	
Plymouth,NC(B)	ND	ND	ND				ND	ND			
Stillwater,OK							10/6	10/19			
Blackville,SC(A)					11/8	11/8			10/25	11/3	
Blackville,SC(B)										11/15	11/15
Clemson,SC				12/13					11/14	12/13	12/13
Florence,SC(A)						ND			ND	ND	ND
Jackson,TN	9/16	9/30	10/17				9/30	10/14			
Knoxville,TN	10/17						10/18	10/31			
Springfield,TN	10/7						10/21	11/2			
Orange,VA	11/3						11/3	11/3			
Suffolk,VA								ND			
Warsaw,VA	10/24	10/24	10/26				10/24	10/24			

^z ND = No dates reported

2011 Locations	Location Notes
Fairhope,AL	Drought and disease.
Keiser,AR	Very dry and hot summer.
Stuttgart,AR	Very dry and hot summer.
McCune,KS	Severe drought.
Pittsburg,KS	Severe drought.
Bossier City,LA	Drought and heat.
Queenstown,MD	Poor stands and emergence issues from dry soil conditions after planting.
Stoneville,MS	Poor stands due to heavy packing rains after planting.
Kinston,NC(B)	7 inches of rain from hurricane.
Plymouth,NC(A)	Poor stands and a hurricane.
Florence,SC(A)	Poor stands and drought.
Jackson,TN	Sandy spots in the field accentuated by a dry September.
Orange,VA	Poor stands due to heavy packing rains after planting.

D. AGRONOMIC CHARACTERISTICS OF LOCATIONS – 2011

2011 Locations	Soil Type	Row Spacing	Planted Length	Harvested Length	Trial Bordered	End Trimmed	Rows Planted	Rows Harvested	Prior Crop	Irrigated
Belle Mina,AL	Decatur silt loam	30	20	15	No	Yes	4	2	Cotton	No
Fairhope,AL	Malbis fine sandy loam	38	20	18	Yes	Yes	4	2	Cotton	No
Tallassee,AL(A)	Cahaba fine sandy loam	30	16	12	Yes	Yes	4	2	Fallow	No
Tallassee,AL(B)	Cahaba fine sandy loam	30	16	12	Yes	Yes	2	2	Fallow	No
Keiser,AR	Sharkey silty clay	38	15	15	Yes	No	4	2	Corn	Yes
Stuttgart,AR	Crowley silt loam	30	15	15	Yes	No	4	2	Rice	Yes
Athens,GA(A)	Altavista loamy coarse sand, Cecil coarse sandy loam, Appling coarse sandy loam	30	20	12	Yes	Yes	4	2	Grain Sorghum, Sunflower	Yes
Athens,GA(B)	Appling coarse sandy loam	30	20	12	Yes	Yes	4	2	Grain sorghum	Yes
Calhoun,GA	Rome gravelly clay loam	30	20	16	Yes	Yes	4	2	Corn	Yes
Plains,GA	Greenville sandy clay loam	30	20	10	Yes	Yes	4	2	Peanuts, Wheat	Yes
Tifton,GA	Tifton sandy loam	30	20	16	Yes	Yes	4	2	Corn	Yes
Dowell,IL	Hoyleton	30	15	15	Yes	No	4	2	Corn	No
Ullin,IL(SDS)	Bonnie silt loam	30	15	15	Yes	No	4	2	Corn	No
McCune,KS	Parsons silt loam	30	11	11	Yes	No	4	2	Corn	No
Pittsburg,KS	Parsons silt loam	30	11	11	Yes	No	4	2	Wheat	No
Princeton,KY	Crider silt loam	16	20	16	Yes	Yes	6	4	Tobacco	No
Bossier City,LA	Moreland silty clay loam	40	28	20	Yes	Yes	4	2	Cotton	Yes
Queenstown,MD	Mattapeake silt loam	24	20	16	Yes	Yes	4	2	Corn	No
Portageville,MO(A)	Dundee silt loam	30	12	12	Yes	No	4	2	Soybean	Yes
Portageville,MO(B)	Sharkey clay	30	12	12	Yes	No	4	2	Soybean	Yes
Starkville,MS	Brookville silty clay	18	20	15	Yes	Yes	3	3	Corn	No
Stoneville,MS	Sharkey clay	24	18.5	16	Yes	Yes	5	3	Soybean	Yes
Clayton,NC	Norfolk sandy loam	38	18	15	Yes	Yes	3	1	Cotton	Yes
Kinston,NC(A)	Stallings loamy sand	38	18	15	Yes	Yes	3	1	Corn, Corn	No
Kinston,NC(B)	Stallings loamy sand	38	18	15	Yes	Yes	3	1	Corn, Corn	No
Plymouth,NC(A)	Portsmouth silt loam	38	19	16	Yes	Yes	3	1	Corn, Corn	No
Plymouth,NC(B)	Portsmouth silt loam	38	16	13	Yes	Yes	4	2		Yes
Stillwater,OK		30	44	42	Yes	Yes	4	2		No
Blackville,SC(A)	Grady Fine Sandy Loam	38	20	12	Yes	Yes	4	2	Corn	Yes
Blackville,SC(B)	Norfolk sandy loam	38	20	12	Yes	Yes	4	2	Soybean	Yes
Clemson,SC	Cartecay fine sandy loam	38	20	12	Yes	Yes	4	2	Soybean	No
Florence,SC(A)	Goldsboro sandy loam	38	20	12	Yes	Yes	4	2	Corn	No
Jackson,TN	Vicksburg silt loam, Henry silt loam, Dexter loam, and Hatchie loam	30	20	20	Yes	No	4	2	Soybeans	No
Knoxville,TN	Sequatchie silt loam	30	20	16	Yes	Yes	4	2	1 year, corn	Yes
Springfield,TN	Mountview Silt Loam	30	25	16	Yes	Yes	4	2	1 year, corn	Yes
Orange,VA	Starr silty clay loam	21	16	12	Yes	Yes	3	3	Barley	No
Suffolk,VA	Dragston fsl / Eunola lfs	15	24	17	Yes	Yes	5	3	Corn	No
Warsaw,VA	Kempsville loam	30	18	12	Yes	Yes	4	2	Small grains	No

E. WEATHER STATION URL

Location	Weather Station URL	Notes
Belle Mina, AL	national weather sevice	
Fairhope, AL	national weather sevice	
Tallassee, AL(A)	not reported	
Tallassee, AL(B)	not reported	
Pine Tree, AR	N/A	
Rohwer, AR	http://www.aragriculture.org/weather/default.asp	
Georgetown, DE	http://www.rec.udel.edu/TopLevel/Weather.htm	
Athens, GA (A)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Athens, GA (B)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Calhoun, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA	
Plains, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL	
Tifton, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI	
Ullin, IL	none	
McCune, KS	http://www.oznet.ksu.edu/wdl/	
Pittsburg, KS	http://www.oznet.ksu.edu/wdl/	
Princeton, KY	http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct226.pdf	
Alexandria, LA	www.lsuagcenter.com/weather	
Bossier City, LA	www.lsuagcenter.com/weather/tabledata.asp	
Queenstown, MD	none	
Portageville, MO(A)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Portageville, MO(B)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Starkville, MS	http://www.deltaweather.msstate.edu/	
Stoneville, MS	http://www.deltaweather.msstate.edu/	Stoneville is at the end of the list of weather stations.
Jackson Springs, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&temporal=daily	Sandhills Station, NC (Jackson Springs)
Kinston, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&temporal=D	Kinston, NC
Plymouth, NC(A)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Plymouth, NC(B)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Bixby, OK	www.mesonet.ou.edu	
Stillwater, OK	www.mesonet.ou.edu	
Blackville, SC(A)	http://www.ncdc.noaa.gov/crn/	
Blackville, SC(B)	http://www.ncdc.noaa.gov/crn/	
Clemson, SC	http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&graphspan=month&month=6&day=1&year=2007	
Florence, SC	not reported	
Jackson, TN	None on the web	
Knoxville, TN	www.ncdc.noaa.gov	Look on left menu for "Find a Station" for Knoxville Experiment Station
Springfield, TN	not reported	
Bardwell, TX	not reported	
Cooper, TX	not reported	
Orange, VA	not reported	
Petersburg, VA	http://www.accuweather.com/forecast-climo.asp?partner=30371&traveler=0&zipChg=1&zipcode=23841&metric=0	This only has the past two months of data
Suffolk, VA	not reported	
Warsaw, VA	http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472,102	EVAREC is location name

METHODS

CULTURAL PRACTICES

Please see Soybean Nursery Information – Tables A, B, C, D, and E for details on locations including contacts, row spacing, plot dimensions, end trimming, planting dates, harvest dates, crop rotation and weather station URLs. The uniform tests were planted with three (3) replications and the preliminary tests were planted with two (2) replications except three replications were planted for PVII and PVIII.

MATURITY, HARVEST, AND YIELD

Height. Height in a plot was measured as the average length of plants in inches from the ground to the top extremity at maturity.

Lodging. Lodging notes were recorded on a scale of 1 to 5 according to the following criteria:

- 1 - almost all plants erect
- 2 - either all plants leaning slightly, or a few plants down
- 3 - either all plants leaning moderately, or 25 to 50% of the plants down
- 4 - either all plants leaning considerably, or 50 to 80% of the plants down
- 5 - all plants down

Maturity. Maturity was recorded as the date when 95% of the pods had reached mature pod color (Fehr and Caviness, 1977). Maturity in all summaries is expressed as days earlier (-) or later (+) than the reference variety. Reference varieties used in the different maturity groups were as follows: UIV-S - 5002T; PIV-S (E) - AG 3906; PIV-S (L) - 5002T; UV and PV - 5601T; UVI and PVI - DILLON; UVII and PVII - AGS758RR; and UVIII and PVIII - SC01-803RR RR.

Yield. Please see Agronomic Characteristics of Locations for information on end trimming and which rows were harvested for yield data at each location. Actual seed weights were recorded after the seed of the strains had reached a uniform moisture content or seed weight at harvest was adjusted to a 13% moisture content. Seed weights were converted to bushels per acre (60 lbs./bu.) by using the appropriate conversion factor for each location with respect to harvested plot size.

Seed Quality. Seed quality was rated from 1 to 5 according to the following scale:

- 1 - very good; 2 - good; 3 - fair; 4 - poor; 5 - very poor

Factors considered in estimating seed quality were development of seed, wrinkling damage, and brightness. While the seed quality score indicates relative appearance of seed for strains at one location, considerable differences can exist among factors responsible for the poorer grades at different locations. Seed size for each strain was determined from a composite sample from all replications at a location. Seed size is reported as grams per 100 seed.

Oil and Protein. Oil and protein percentages were determined from representative locations of the uniform and preliminary tests. A 25-30-g composite sample of each strain from all replications at a location was sent to the USDA-ARS, National Center for Agricultural Utilization Research, Bio-Oils Research Unit at Peoria, Illinois for analysis. Please note that the analysis was performed by a different Research Unit than in previous years. One sample of 40-50 ml of seed was analyzed using 10 subsamples

(10 readings on the sample) for protein and oil composition with a Foss Infratec 1241 Grain Analyzer. Analysis of the seed was conducted on an as is basis and then mathematically converted to a moisture-free basis for reporting.

PEST ASSESSMENT

Soybean Mosaic Virus (SMV). Thirty seeds of each entry are planted in a single three-foot row in the field at Blacksburg, VA. Inoculation is done 3 to 4 weeks later using SMV strain G1. Inoculation method is described in Ma et. al. 1995. Counts of resistant and susceptible plants are taken about 4 weeks after inoculation. 'Lee 68' and 'York' were susceptible and resistant controls, respectively. Lines were rated as follows.

- R = resistant
- Sus = susceptible
- Seg = segregating for susceptibility and resistance
- Sev = severe SMV susceptibility
- Mild = mild SMV susceptibility
- Few = few plants in row.

Generally any line that displays a severe reaction may suffer yield loss under disease pressure in commercial plantings. Lines described as resistant showed no virus symptoms. NOTE: No results were reported in 2011 due to personnel changes.

Root-knot Nematode. Screenings of strains of UIV-S - UVIII were conducted in a greenhouse at the University of Georgia.

Three seeds of each genotype were planted in Ray Leach Cone-tainers (20.6 cm long) filled with fumigated sandy loam soil to within 5 cm of the top and then covered with 2.5 cm of fumigated sand. Ten Cone-tainers each of a susceptible and resistant standard cultivar were included in each test. Forty-nine Cone-tainers were placed in a RL-98 tray, filling every other row of the tray. The trays (45) were placed on a greenhouse bench under supplemental light provided by 400-watt metal halide lamps and under an automatic irrigation system. Seven to 10 days after planting, plants were thinned to one seedling per Cone-tainer and inoculated with 3000 root-knot nematode eggs collected with 0.5% NaOCL (10% Clorox). The inoculum (3-5 ml depending on egg concentration) was placed with a digital dispensing pump in a soil at a depth of 2-3 cm. Plants were watered manually for 1-2 days following inoculation before turning on the automatic irrigation system. All plants were fertilized weekly with 20-20-20 (N = 20%, P = 8.7%, K = 16.6%) fertilizer solution.

Thirty days after inoculation, roots of two of the standard check plants were examined for galls to assess whether to begin the process of evaluating the entire test. For evaluation, shoots were excised and root systems removed from the Cone-tainers and washed free of soil. For screening advanced breeding lines, the total number of galls per root system was counted. For all other studies, the number of galls on the remainder of the susceptible and resistant check plants was used to develop a gall index for evaluating the genotypes. The gall indexes (based on the number of galls/plant) were as follows: *Meloidogyne incognita* (SRK): 1 = 0-10, 2 = 11-20, 3 = 21-30, 4 = 31-40, and 5 = 41+ galls; *M. arenaria* (PRK): 1 = 0-30, 2 = 31-60, 3 = 61-90, 4 = 91-120, and 5 = 121+ galls.

Soybean Cyst Nematode (SCN). Screening for plant reaction to SCN was conducted in the greenhouse at Jackson, TN in 2011. Screening for SCN was done with HG Type 1.2.5.7 (race 2), HG Type 0 (race 3), and HG Type 2.5.7 (race 5). One seed of each soybean entry (UIVS-UVIII and PIV-S-PVIII) was planted in sterile

soil mix with 7 replications per each SCN population. At the time of planting, 2500 eggs of the population being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of cysts on the roots. The ratings were as follows: 1 = 0-5 cysts on the root, 2=6-10 cysts on the root, 3=11-20 cysts on the root, 4=21-40 cysts on the root, and 5=> 40 cysts on the root. The 7 replications were averaged and if there were less than 4 plants to rate, the screening was repeated and the data was not shown if there were less than 4 plants for the rating. The mean rating = (rating category x number of plants receiving rating)/total number of plants in that comparison.

In 2011 the HG Type of the populations was as follows: HG Type 1.2.5.7 (race 2), HG Type 0 (race 3), and HG Type 2.5.7 (race 5). Williams 82 was used as the standard susceptible due to germination and lack of vigor issues with PI 548658 although PI 548658 was included in all tests. The standard index lines were included in every test to confirm characterization. For race 2, Williams 82 had an average of 253 cysts per test. The female index for the cultures were as follows: Pickett FI 51, PI 548402 FI 13, PI 88788 FI 37, PI 90763 FI <1, PI 437654 FI <1, PI 209332 FI 70, PI 89772 FI 1, and PI 548316 FI 33. For race 3, Williams 82 had an average of 212 cysts per test. The female index for the cultures were as follows: Pickett FI 5, PI 548402 FI 1, PI 88788 FI 2, PI 90763 FI <1, PI 437654 FI 0, PI 209332 FI 4, PI 89772 FI 1, and PI 548316 FI 9. For race 5, Williams 82 had an average of 124 cysts per test. The female index for the cultures were as follows: Pickett FI 32, PI 548402 FI 6, PI 88788 FI 37, PI 90763 FI <1, PI 437654 FI <1, PI 209332 FI 41, PI 89772 FI <1, and PI 548316 FI 38.

Stem Canker. Strains from all tests were evaluated at the Delta Research and Extension Center, Stoneville, Mississippi. Strains were planted in single-row plots 1.8 m long. Inoculum was produced by aseptically culturing isolates Li 196, Li 197 and Li 198 of the fungus *Diaporthe phaseolorum* var *meridionalis* on autoclaved toothpicks. Twelve plants per plot were inoculated by forcing a toothpick through the stem in the upper one-third of the plant. Stem canker lesion development was rated after the susceptible check had been killed by the disease. Plants having any external lesion were rated as susceptible.

R = resistant. No plants exhibited external lesions and no leaf damage.

S = susceptible

SS = segregating for susceptible and resistant plants

MS = moderate susceptible

MR = moderately resistant

Sudden Death Syndrome (SDS). SDS was evaluated for UIV-S and UV at Valmeyer, Illinois in two plots 10 feet long. Disease incidence (DI), the % of plant exhibiting symptoms, was recorded between growth stages R5.8 and R6.4, along with disease severity (DS), which was scored on a 1-9 scale with 1 = mild chlorosis, 5 = severe leaf scorch, and 9 = premature death of plant. Disease index (DX) was then calculated as (DI*DS)/9. DX is reported. The DX for UIV-S susceptible checks CM497 and SS03-13390 and resistant check Pharaoh respectively, were 47, 39 and 8. The DX for the UV lines were not reported due to drought.

STATISTICAL ANALYSES

Yield, maturity, height, lodging and quality data for each test were analyzed by location by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as the fixed effect and replication as random. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output for yield. LSmeans are presented when multiple replications of data were available. Any location that does not have at least two replications of yield data is not included in the yield analysis. In the cases when only 1 rep of data was provided for variables other than yield, the actual values for that rep were presented.

Yield, maturity, height, lodging and quality for each test were analyzed by area for the uniform tests by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location rep(location) location*variety; as random effects. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. The location means are presented for areas that only have data from one location. Yield data from locations with a yield CV of over 15 were omitted from area means.

Yield, maturity, height, lodging and quality for each test were analyzed over all locations for the uniform tests and the preliminary tests by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location rep(location) location*variety as random effects. Coefficient of variation (CV) and LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. Yield data from locations with a yield CV of over 15 were omitted from test means and ranks.

The protein and oil data for a variety/strain at a location is the NIR analysis results from one composite sample of all replications at the location. Size data is collected either for all replications, or as a composite sample, so arithmetic means or composite sample NIR results are presented. Protein, oil and size were analyzed by test by analysis of variance using a mixed model (Proc Mixed in SAS) with variety as a fixed effect and location; as a random effect. Coefficient of variation (CV) and average LSD ($\alpha = 0.05$) were calculated from the Proc Mixed output. LSmeans are presented for the test means.

The Rank column in the general summary tables indicated the relative ranking of the yield based on the average performance of a line across locations. Locations with a high yield CV value are not included in Rank calculations.

The Average Rank column in the general summary tables indicates the yield rank of a line based on the average of a line's rank at each individual location. Locations with a high yield CV value are not included in Average Rank calculations.

IDENTIFICATION OF PARENT STRAINS - UPDATED IN 2004

This section has not been updated since 2004. Please see prior reports for this information.

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TABLE 1 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	DK 4866	Commercial check		
3	AG 4403	Commercial check		
4	AG 4907	Commercial check		
5	AG 4903	Commercial check		
6	TN09-004	Fowler x Anand		
7	B05-8046	LODA x LG93-7054	F4	ASR, Exotic
8	JTN-4408	S97-1753 x V94-0198-9-LOAM02	F11	SCN
9	JTN-4607	LS94-3207 X S95-1908-3-LOAM02	F12	SCN
10	LS07-1934	SS98-7851 x LS01-5907	F6	
11	LS07-3131	SS98-7851 x LS00-3309	F6	
12	Md 0708WN 109	Md 01-5866 x S99-11509	F5	Diversity
13	Md 0708WN 157	Md 00-5326 x Md 03-5517	F5	Low phytate
14	Md 07-5092	Md 97-6065 x Md 00-5020	F5	
15	NCC05-1168	TN97-167xS99-2281	F4:10	
16	NCC05-1261	TN97-167xS99-2281	F4:10	
17	NCC06-148	S00-9925-10xDT99-17400	F4:9	
18	NCC06-339	S00-9925-10xDT99-17400	F4:9	
19	NCC07-241R	R99-2172xNCC01-250RR	F4:8	
20	NCC07-974R	V00-1988x(F2{R98-1817 x [Tn96-58 x N94-550 BC3F1RR]F4})	F4:8	
21	R05-3239	Ozark x Anand	F5	
22	R07-10231	S99-2281 x UA 4805	F5	
23	R07-10244	S99-2281 x UA 4805	F5	
24	S08-14087	R00-1194F X S04-5969RR		RR,SCN
25	S08-17361	LG04-5196 X S00-9925-10 BS		CONV
26	V05-2037	5002T X V99-3337	F4	Pro
27	V05-2664	R95-2210 X V96-0332	F4	
28	V05-2607	R95-2210 X V94-0436	F4	
29	V06-0855	S96-2641 X V97-1549	F4	Pro

**TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2011**

STRAIN/ VARIETY	AVERAGE		YIELD‡			PROTEIN			OIL		
	RANK	RANK	2011	10-11	09-11	2011	10-11	09-11	2011	10-11	09-11
5002T	17	17	44.2	46.8	49.2	40.1	39.0	39.3	21.9	21.6	21.0
DK 4866	12	14	45.5	46.1	49.7	39.3	39.4	39.7	21.2	21.3	21.0
AG 4403	18	16	44.0	43.0	46.1	40.7	39.5	39.4	22.8	22.3	22.0
AG 4907	9	12	46.2	46.5	.	40.0	39.5	.	21.4	21.1	.
AG 4903	5	11	47.9	47.4	50.9	39.9	39.5	39.8	22.0	21.8	21.5
TN09-004	10	13	46.2	.	.	38.9	.	.	22.1	.	.
B05-8046	29	27	33.6	.	.	40.3	.	.	21.9	.	.
JTN-4408	16	16	44.9	44.9	48.0	40.6	39.9	40.0	21.3	20.7	20.4
JTN-4607	20	16	43.6	42.0	43.9	41.2	40.9	40.9	21.3	20.7	20.3
LS07-1934	28	22	38.5	.	.	40.2	.	.	22.8	.	.
LS07-3131	27	18	41.7	.	.	41.0	.	.	22.3	.	.
Md 0708WN 109	24	18	42.6	.	.	41.9	.	.	21.9	.	.
Md 0708WN 157	23	20	43.0	.	.	42.4	.	.	20.0	.	.
Md 07-5092	19	16	43.7	.	.	41.0	.	.	21.5	.	.
NCC05-1168	1	8	48.8	49.0	50.7	39.7	39.0	39.2	20.9	20.8	20.5
NCC05-1261	3	9	48.2	49.1	50.6	40.2	39.4	39.7	20.3	20.0	19.8
NCC06-148	2	9	48.8	48.1	.	40.9	39.9	.	21.3	20.7	.
NCC06-339	6	12	47.6	49.3	.	39.9	39.3	.	21.3	21.0	.
NCC07-241R	21	17	43.1	.	.	41.0	.	.	20.2	.	.
NCC07-974R	22	18	43.0	.	.	42.1	.	.	20.5	.	.
R05-3239	7	13	46.3	46.8	.	40.0	39.8	.	21.3	20.7	.
R07-10231	13	14	45.5	.	.	38.9	.	.	21.4	.	.
R07-10244	14	14	45.4	.	.	38.9	.	.	21.3	.	.
S08-14087	8	12	46.3	.	.	40.1	.	.	22.1	.	.
S08-17361	4	10	47.9	.	.	38.9	.	.	22.0	.	.
V05-2037	25	18	42.1	42.2	.	39.6	39.1	.	21.9	21.4	.
V05-2664	15	13	45.3	45.9	.	39.6	39.1	.	21.8	21.6	.
V05-2607	11	13	45.9	43.3	.	40.4	39.6	.	21.2	21.1	.
V06-0855	26	20	41.7	41.7	.	41.2	40.5	.	20.5	20.0	.
Mean	.	.	44.5	.	.	40.3	.	.	21.5	.	.
LSD(0.05)	.	.	3.8	.	.	0.8	.	.	0.4	.	.
CV(%)	.	.	16.0	.	.	1.9	.	.	2.0	.	.

‡Data not included in mean: 2011 – Stuttgart, AR; Knoxville, TN; Orange, VA; Springfield, TN
2010 – Pine Tree, AR; Queenstown, MD; Warsaw, VA; Knoxville, TN; Springfield, TN

**TABLE 3 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2011**

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
5002T	0	1.3	25	2.1	14.6	W	T	T
DK 4866	0	1.5	34	2.0	14.4	P	G	Br
AG 4403	-6	1.6	35	2.2	13.0	P	G	T
AG 4907	0	1.3	36	2.1	13.5	P	G	Br
AG 4903	0	1.7	35	2.0	14.7	P	G	T
TN09-004	1	1.2	27	1.8	14.1	P	T	T
B05-8046	-8	1.9	32	2.7	13.9	P	G	T
JTN-4408	1	1.5	30	1.8	14.1	W	T	T
JTN-4607	-3	1.6	28	2.0	13.5	W	T	T
LS07-1934	-9	1.4	32	2.9	14.2	P	G	Br
LS07-3131	-7	1.5	34	2.6	14.8	P	G	Br
Md 0708WN 109	-2	1.3	24	2.0	15.0	W	T	T
Md 0708WN 157	-2	1.6	35	2.4	14.6	P	G	T
Md 07-5092	-3	1.3	26	2.2	12.7	P	T	T
NCC05-1168	-1	1.4	26	2.4	13.0	W	G	T
NCC05-1261	-2	1.5	27	2.2	12.5	W	G	T
NCC06-148	1	1.3	27	1.9	15.1	W	T	T
NCC06-339	0	1.2	25	2.1	13.5	P	T	T
NCC07-241R	-2	1.3	27	2.1	11.1	W	G	T
NCC07-974R	-1	1.4	27	2.1	12.2	S	G	Br
R05-3239	0	1.2	28	2.1	14.2	P	T	T
R07-10231	-1	1.5	26	2.2	12.9	W	G	T
R07-10244	0	1.6	27	2.1	12.6	W	G	T
S08-14087	-2	1.8	38	2.1	14.2	P	Lt	T
S08-17361	3	1.5	35	2.0	16.1	W	T	T
V05-2037	-2	1.3	25	2.0	13.9	W	T	T
V05-2664	0	1.5	27	2.1	13.8	W	T	T
V05-2607	0	1.2	26	2.1	14.7	W	T	T
V06-0855	0	1.1	26	2.1	12.7	P	T	T
Mean	-2	1.4	29	2.1	13.8			
LSD(0.05)	2	0.4	2	0.4	0.7			
CV(%)	159	41.0	14	25.0	6.8			

**TABLE 4 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST IV-S FOR YEAR 2011**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK GA	SRK GA	SC RATING	SC SCORE	SDS DX
	1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5					
5002T	5	*	5	2.8	2.0	R	1.0	8
DK 4866	5	4	*	2.5	4.5	S	5.0	7
AG 4403	5	4	5	3.5	1.3	S	5.0	11
AG 4907	5	1	5	1.8	3.8	R	1.0	31
AG 4903	5	4	5	3.0	5.0	SS	3.0	19
TN09-004	1	3	3	3.5	5.0	R	1.0	11
B05-8046	5	3	5	2.3	4.5	R	1.0	28
JTN-4408	2	1	*	4.0	1.5	SS	3.0	28
JTN-4607	1	1	1	2.0	2.3	R	1.0	8
LS07-1934	5	1	5	1.3	4.5	R	1.0	11
LS07-3131	5	1	5	2.0	2.8	R	1.0	8
Md 0708WN 109	5	4	5	2.3	4.5	MS	4.0	17
Md 0708WN 157	5	5	5	3.8	2.3	R	1.0	17
Md 07-5092	2	5	5	2.5	1.5	MS	4.0	6
NCC05-1168	4	1	4	1.5	2.5	R	1.0	36
NCC05-1261	4	1	4	3.5	1.8	R	1.0	22
NCC06-148	5	5	5	4.0	3.0	MS	4.0	33
NCC06-339	5	4	4	5.0	5.0	S	5.0	33
NCC07-241R	4	4	4	2.5	1.8	MS	4.0	28
NCC07-974R	5	4	5	3.0	5.0	S	5.0	33
R05-3239	5	3	5	4.5	2.0	R	1.0	14
R07-10231	1	1	1	1.8	1.0	R	1.0	28
R07-10244	1	1	1	1.5	1.0	S	5.0	28
S08-14087	5	4	3	4.8	3.5	R	1.0	17
S08-17361	5	4	4	3.8	4.3	R	1.0	11
V05-2037	5	4	5	2.8	2.5	R	1.0	14
V05-2664	5	1	4	3.3	2.0	R	1.0	31
V05-2607	4	5	4	5.0	2.3	R	1.0	22
V06-0855	5	3	*	2.8	3.5	R	1.0	36

TABLE 5 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, ‡ AR	Area Mean
5002T	62.9	65.5	54.7	57.3	61.0
DK 4866	70.2	68.0	70.1	56.2	69.5
AG 4403	70.0	70.7	61.2	43.7	67.4
AG 4907	70.4	72.4	68.0	55.3	70.3
AG 4903	70.9	68.0	64.7	50.7	67.9
TN09-004	71.0	69.4	62.3	53.8	67.6
B05-8046	58.5	65.2	48.6	24.3	57.4
JTN-4408	67.5	66.4	60.7	43.9	64.9
JTN-4607	63.2	68.1	55.5	40.3	62.3
LS07-1934	64.6	66.7	53.2	35.2	61.5
LS07-3131	68.0	75.3	61.5	34.6	68.3
Md 0708WN 109	71.6	63.2	55.0	33.2	63.3
Md 0708WN 157	68.5	65.3	60.0	53.0	64.6
Md 07-5092	74.3	59.9	58.4	24.0	64.2
NCC05-1168	78.8	66.9	69.4	28.6	72.1
NCC05-1261	77.6	60.1	66.1	40.6	67.9
NCC06-148	79.2	61.9	67.2	57.9	69.4
NCC06-339	72.5	59.3	63.7	52.8	65.2
NCC07-241R	64.9	58.0	55.1	43.1	59.3
NCC07-974R	69.5	61.4	61.0	44.9	64.0
R05-3239	64.6	61.4	65.1	51.8	63.7
R07-10231	69.1	63.5	58.3	45.6	63.5
R07-10244	68.5	62.6	60.7	38.7	63.9
S08-14087	76.1	74.1	60.8	38.2	70.3
S08-17361	76.6	61.8	72.9	55.8	70.4
V05-2037	71.5	48.0	59.1	41.2	59.5
V05-2664	73.8	57.9	63.0	51.5	65.2
V05-2607	71.9	57.6	66.1	54.9	65.2
V06-0855	71.5	59.2	56.1	36.5	62.3
Mean	70.3	64.1	61.3	44.4	65.2
LSD(0.05)	7.5	12.1	8.2	19.5	8.0
CV(%)	6.5	11.3	8.2	24.6	10.3

‡Data not included in mean

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2011

East

STRAIN/ VARIETY	Plymouth, NC(B)	Warsaw, VA	Area Mean
5002T	43.0	69.4	56.2
DK 4866	43.1	74.8	59.0
AG 4403	38.1	60.1	49.1
AG 4907	42.6	70.6	56.6
AG 4903	36.8	68.2	52.5
TN09-004	46.9	71.9	59.4
B05-8046	25.0	53.8	39.4
JTN-4408	37.4	61.9	49.6
JTN-4607	43.1	67.3	55.2
LS07-1934	35.3	49.0	42.1
LS07-3131	37.0	65.8	51.4
Md 0708WN 109	42.7	64.3	53.5
Md 0708WN 157	35.9	68.5	52.2
Md 07-5092	50.8	62.0	56.4
NCC05-1168	45.3	70.7	58.0
NCC05-1261	40.5	69.2	54.8
NCC06-148	40.2	70.5	55.3
NCC06-339	43.2	74.4	58.8
NCC07-241R	36.4	62.6	49.5
NCC07-974R	40.6	70.7	55.7
R05-3239	44.6	68.5	56.6
R07-10231	39.3	64.7	52.0
R07-10244	36.7	57.6	47.2
S08-14087	36.2	70.6	53.4
S08-17361	39.4	70.2	54.8
V05-2037	46.2	71.8	59.0
V05-2664	39.3	70.7	55.0
V05-2607	39.5	63.9	51.7
V06-0855	33.7	62.9	48.3
Mean	40.0	66.4	53.2
LSD(0.05)	7.0	8.3	7.6
CV(%)	10.7	7.6	10.0

TABLE 5 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2011

South

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Knoxville,‡ TN	Orange,‡ VA	Princeton, KY	Springfield,‡ TN	Starkville, MS	Area Mean
5002T	62.5	30.8	21.6	10.8	54.2	35.4	55.3	51.3
DK 4866	62.8	30.6	21.4	11.2	58.8	33.5	53.3	52.1
AG 4403	58.2	47.5	22.1	29.9	61.4	28.6	51.7	54.5
AG 4907	65.8	29.5	22.3	15.0	67.5	38.0	53.9	55.2
AG 4903	64.9	37.0	33.9	34.0	72.1	38.4	51.0	56.4
TN09-004	62.8	44.2	26.7	28.1	52.7	31.3	49.5	52.3
B05-8046	47.6	33.6	19.1	11.6	52.3	19.2	41.9	43.9
JTN-4408	60.2	46.5	27.6	28.6	53.9	29.2	53.9	53.5
JTN-4607	63.2	50.9	25.9	32.2	51.3	31.0	52.0	54.1
LS07-1934	57.4	42.9	23.6	12.4	65.2	20.9	37.7	51.2
LS07-3131	60.5	48.3	24.3	18.8	64.1	26.0	33.5	51.6
Md 0708WN 109	57.5	34.9	30.5	21.8	54.5	37.6	52.9	49.9
Md 0708WN 157	53.4	25.8	24.8	27.5	49.6	30.6	60.0	48.0
Md 07-5092	65.2	39.3	27.7	34.8	56.3	34.2	52.2	53.2
NCC05-1168	69.0	39.7	30.7	36.5	61.7	46.3	57.6	57.1
NCC05-1261	69.0	40.5	27.3	28.9	63.5	41.8	61.6	58.6
NCC06-148	63.9	42.1	34.7	29.1	56.4	39.9	60.6	55.7
NCC06-339	59.8	31.7	34.4	29.1	60.1	46.3	66.0	54.7
NCC07-241R	59.6	43.6	27.3	27.9	56.4	36.5	46.2	51.5
NCC07-974R	55.7	46.9	21.6	20.3	53.3	31.3	43.0	49.4
R05-3239	66.1	49.3	30.6	22.1	55.4	38.6	52.3	55.8
R07-10231	57.4	42.9	34.2	23.8	54.9	45.1	51.9	51.8
R07-10244	57.3	45.3	36.5	31.8	58.4	41.5	54.7	53.9
S08-14087	64.1	38.8	34.3	25.1	62.1	36.1	56.4	55.3
S08-17361	67.2	24.9	32.3	28.5	67.4	36.0	55.6	53.8
V05-2037	57.7	40.9	16.2	18.8	63.2	32.9	45.5	51.8
V05-2664	67.3	40.2	26.3	12.7	61.0	39.9	50.1	54.6
V05-2607	64.5	35.5	31.0	32.3	65.5	36.1	49.9	54.0
V06-0855	56.1	32.9	23.9	26.3	53.4	35.2	49.9	48.1
Mean	61.3	39.2	27.3	24.5	58.9	35.1	51.7	52.9
LSD(0.05)	7.2	10.0	10.3	13.7	8.9	9.6	9.0	8.5
CV(%)	7.2	12.8	23.1	34.2	9.2	16.8	10.4	13.8

‡Data not included in mean.

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
5002T	23.6	14.3	41.6	26.5
DK 4866	25.4	14.1	32.7	24.1
AG 4403	29.5	14.4	18.6	20.8
AG 4907	23.3	19.3	24.1	22.2
AG 4903	28.1	13.1	33.0	24.7
TN09-004	27.4	17.6	23.2	22.7
B05-8046	17.5	4.1	16.0	12.5
JTN-4408	22.6	21.0	37.5	27.0
JTN-4607	18.1	19.7	16.6	18.1
LS07-1934	23.4	14.9	12.5	16.9
LS07-3131	28.1	7.9	12.2	16.1
Md 0708WN 109	22.9	13.0	24.8	20.2
Md 0708WN 157	23.9	11.4	23.8	19.7
Md 07-5092	24.1	14.8	20.9	19.9
NCC05-1168	29.1	13.4	36.7	26.4
NCC05-1261	28.7	18.2	38.6	28.5
NCC06-148	29.1	12.0	35.4	25.5
NCC06-339	22.1	13.0	31.5	22.2
NCC07-241R	31.3	15.6	24.7	23.9
NCC07-974R	26.3	14.5	28.2	23.0
R05-3239	28.6	12.5	29.0	23.4
R07-10231	26.9	23.0	27.1	25.7
R07-10244	28.2	22.1	26.4	25.6
S08-14087	28.7	14.9	24.1	22.6
S08-17361	31.5	15.7	30.8	26.0
V05-2037	20.1	12.6	28.1	20.3
V05-2664	26.2	17.3	26.8	23.4
V05-2607	23.4	16.0	24.6	21.3
V06-0855	27.5	16.6	24.5	22.9
Mean	25.7	15.1	26.7	22.5
LSD(0.05)	3.9	3.5	3.2	7.8
CV(%)	9.2	14.2	7.4	22.7

TABLE 6 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(A)	Princeton, KY	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	20.9	21.6	22.7	21.8	22.0	22.7	22.0	21.9
DK 4866	21.1	20.8	22.0	21.3	20.3	21.9	21.4	21.2
AG 4403	23.1	22.3	24.2	23.1	22.1	22.3	22.6	22.8
AG 4907	20.8	20.9	22.0	21.8	20.6	22.4	21.6	21.4
AG 4903	20.5	21.7	22.7	22.0	22.3	22.5	22.2	22.0
TN09-004	21.4	21.7	22.9	22.1	20.7	23.2	22.7	22.1
B05-8046	22.7	21.2	.	22.4	21.2	21.8	21.9	22.0
JTN-4408	20.6	21.1	22.1	21.4	21.2	21.5	21.5	21.3
JTN-4607	20.6	20.9	21.8	21.7	20.7	21.8	21.4	21.3
LS07-1934	23.8	22.0	.	23.5	22.2	23.0	22.4	22.9
LS07-3131	22.8	21.5	23.0	22.5	21.8	22.5	22.0	22.3
Md 0708WN 109	20.9	21.7	22.7	22.9	20.7	21.9	22.5	21.9
Md 0708WN 157	18.9	20.1	21.2	20.8	19.0	19.3	20.9	20.0
Md 07-5092	20.2	20.9	22.6	21.9	20.9	21.8	21.9	21.5
NCC05-1168	20.2	20.3	21.1	21.2	20.8	21.8	21.3	20.9
NCC05-1261	19.5	19.4	20.5	20.0	20.5	21.6	20.8	20.3
NCC06-148	21.0	20.6	21.7	22.1	20.2	21.7	21.5	21.3
NCC06-339	20.8	21.3	21.6	21.6	20.6	21.8	21.5	21.3
NCC07-241R	19.5	19.6	20.9	20.5	19.9	20.9	20.3	20.2
NCC07-974R	20.0	20.2	21.2	20.7	19.9	20.8	20.6	20.5
R05-3239	20.7	20.5	21.9	21.2	21.1	22.1	21.8	21.3
R07-10231	20.5	20.7	22.0	21.8	21.2	22.4	21.3	21.4
R07-10244	20.6	20.6	22.2	21.4	21.1	22.2	21.0	21.3
S08-14087	21.9	21.6	22.7	22.4	21.6	22.2	22.1	22.1
S08-17361	.	21.4	22.9	21.9	21.3	22.5	22.0	21.9
V05-2037	21.8	21.5	22.2	22.4	21.0	22.5	21.8	21.9
V05-2664	21.3	21.3	22.3	21.9	21.5	22.3	22.1	21.8
V05-2607	19.9	21.0	21.6	21.5	21.4	21.7	21.6	21.2
V06-0855	19.9	20.4	20.5	21.0	19.9	21.1	20.5	20.5
Mean	20.9	21.0	22.0	21.7	20.9	21.9	21.6	.

TABLE 7 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(A)	Princeton, KY	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	43.1	39.4	39.6	39.2	39.6	39.7	40.5	40.1
DK 4866	40.4	37.9	39.7	38.9	39.7	38.5	40.3	39.3
AG 4403	41.2	38.4	41.5	38.7	41.5	41.6	41.8	40.7
AG 4907	40.4	40.1	41.1	38.8	41.1	38.3	40.3	40.0
AG 4903	42.6	39.5	38.8	39.5	38.8	39.1	40.7	39.9
TN09-004	40.3	37.9	40.2	37.4	40.2	37.7	38.3	38.9
B05-8046	39.9	39.7	39.9	38.8	39.9	42.3	41.8	40.3
JTN-4408	42.2	40.3	40.1	39.0	40.1	41.8	40.9	40.6
JTN-4607	42.5	40.7	41.5	38.9	41.5	42.1	41.4	41.2
LS07-1934	38.8	39.9	39.9	38.7	39.9	41.1	43.3	40.2
LS07-3131	40.9	39.8	41.8	39.5	41.8	41.0	42.4	41.0
Md 0708WN 109	44.3	40.8	42.6	39.2	42.6	42.7	41.5	41.9
Md 0708WN 157	43.6	40.1	43.5	40.3	43.5	43.3	42.7	42.4
Md 07-5092	42.5	41.0	41.0	38.8	41.0	41.5	41.6	41.0
NCC05-1168	41.7	38.7	39.8	38.0	39.8	39.6	40.6	39.7
NCC05-1261	42.0	39.6	39.8	39.2	39.8	39.8	40.9	40.1
NCC06-148	42.0	40.1	41.4	38.5	41.4	41.8	41.1	40.9
NCC06-339	41.0	39.1	40.8	38.2	40.8	40.7	39.0	39.9
NCC07-241R	42.6	41.0	41.3	38.6	41.3	41.0	41.4	41.0
NCC07-974R	43.0	41.1	42.4	39.9	42.4	43.2	42.3	42.1
R05-3239	41.8	39.6	40.2	38.8	40.2	39.9	39.2	40.0
R07-10231	40.6	38.8	38.6	36.6	38.6	39.2	40.2	38.9
R07-10244	40.4	38.5	38.3	37.2	38.3	39.0	40.4	38.9
S08-14087	41.7	39.0	40.3	38.1	40.3	40.1	41.1	40.1
S08-17361	.	39.0	39.5	37.1	39.5	38.4	39.8	39.1
V05-2037	40.6	39.1	39.7	37.7	39.7	40.3	40.3	39.6
V05-2664	41.7	39.5	39.5	37.7	39.5	39.4	40.1	39.6
V05-2607	41.8	40.0	40.2	39.2	40.2	39.8	41.6	40.4
V06-0855	43.1	39.9	41.5	39.9	41.5	41.6	41.0	41.2
Mean	41.7	39.6	40.5	38.6	40.5	40.5	40.9	.

TABLE 8 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	McCune, KS	Orange, VA	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(A)	Portageville, MO(B)	Princeton, KY	Springfield, TN	Starkville, MS	Stillwater, OK	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	13.9	9.6	.	13.7	15.5	16.5	12.8	15.8	15.0	15.5	15.0	.	.	12.8	16.5	16.9	14.6
DK 4866	13.8	12.2	.	13.3	13.8	16.2	13.2	14.3	15.2	15.5	13.0	.	.	14.3	15.5	17.0	14.4
AG 4403	10.9	11.3	.	10.0	13.1	14.6	10.3	14.4	13.8	13.7	15.0	.	.	11.3	14.0	16.6	13
AG 4907	12.7	9.3	.	12.3	13.4	15.3	13.4	13.6	14.5	14.5	14.0	.	.	12.0	14.2	15.8	13.5
AG 4903	13.6	11.0	.	12.9	14.7	18.4	14.2	15.6	15.4	15.8	14.0	.	.	11.7	16.0	17.8	14.7
TN09-004	12.4	12.5	.	13.1	15.4	16.9	13.5	14.6	14.2	14.0	14.0	.	.	10.6	15.0	17.3	14.1
B05-8046	11.5	11.8	.	10.7	14.5	16.1	9.9	16.3	15.5	14.3	13.0	.	.	13.3	16.3	17.2	13.9
JTN-4408	13.3	11.6	.	12.5	16.9	15.7	12.9	14.3	13.5	14.3	16.0	.	.	10.5	16.3	15.2	14.1
JTN-4607	13.1	11.3	.	11.8	14.3	15.0	12.1	13.7	13.7	14.2	14.0	.	.	11.6	14.6	16.4	13.5
LS07-1934	13.4	12.5	.	12.0	13.3	15.0	11.2	17.0	14.9	15.4	14.0	.	.	12.1	16.7	16.8	14.2
LS07-3131	12.8	13.4	.	12.2	15.4	17.2	11.0	14.7	16.2	16.2	16.0	.	.	12.9	15.7	19.1	14.8
Md 0708WN 109	13.7	12.0	.	13.1	16.7	16.9	12.9	15.4	15.2	15.5	13.0	.	.	16.8	16.6	17.4	15
Md 0708WN 157	12.8	9.6	.	11.3	15.3	17.6	14.2	15.3	15.6	15.2	14.0	.	.	13.5	16.7	18.2	14.6
Md 07-5092	12.5	8.6	.	10.8	12.9	14.7	10.2	14.0	12.2	13.2	15.0	.	.	11.3	14.0	15.5	12.7
NCC05-1168	12.3	8.9	.	10.7	14.1	14.9	10.9	14.0	13.9	13.5	14.0	.	.	12.4	14.2	15.1	13
NCC05-1261	11.3	9.9	.	10.8	13.7	14.5	10.3	12.3	12.0	12.0	16.0	.	.	10.9	13.6	15.3	12.5
NCC06-148	13.6	12.7	.	13.8	16.4	15.9	12.5	16.1	15.9	15.7	15.0	.	.	12.3	18.9	17.9	15.1
NCC06-339	12.0	11.2	.	12.4	14.5	14.8	11.9	13.8	13.7	13.8	15.0	.	.	11.2	16.3	15.4	13.5
NCC07-241R	9.4	8.3	.	8.9	13.5	12.6	10.0	11.9	11.6	10.6	12.0	.	.	9.0	13.5	12.8	11.1
NCC07-974R	10.8	9.3	.	11.0	14.0	13.4	11.0	12.6	11.8	12.4	13.0	.	.	10.8	14.1	14.8	12.2
R05-3239	13.1	12.5	.	12.5	15.4	16.8	11.8	15.0	15.4	14.0	14.0	.	.	11.3	15.6	17.0	14.2
R07-10231	11.8	10.1	.	10.7	14.5	14.3	11.7	13.8	13.8	12.2	14.0	.	.	11.7	14.2	14.4	12.9
R07-10244	11.7	10.6	.	11.0	13.3	13.0	11.4	13.5	13.7	12.2	15.0	.	.	10.0	14.4	13.9	12.6
S08-14087	12.8	12.9	.	12.7	15.9	15.7	12.3	14.6	15.7	13.9	18.0	.	.	10.5	13.0	16.9	14.2
S08-17361	15.3	15.4	.	14.7	15.9	17.5	13.8	15.8	17.7	15.5	16.0	.	.	16.1	16.3	19.9	16.1
V05-2037	12.3	11.5	.	12.8	15.3	16.2	11.9	14.5	13.3	13.6	13.0	.	.	13.0	16.8	16.7	13.9
V05-2664	13.9	10.3	.	12.6	12.9	16.5	13.9	14.2	13.1	13.2	15.0	.	.	11.1	15.3	16.9	13.8
V05-2607	14.4	10.0	.	12.3	16.6	15.4	14.4	15.3	14.9	14.8	16.0	.	.	13.4	15.6	17.4	14.7
V06-0855	11.6	10.6	.	11.0	14.3	14.2	11.2	13.1	12.1	13.3	14.0	.	.	10.9	14.2	14.1	12.7
Mean	12.6	11.1	.	12.0	14.7	15.6	12.1	14.5	14.3	14.1	14.5	.	.	12.0	15.3	16.4	.

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
5002T	10/11	10/7	10/12	9/25	10/6
DK 4866	-1	1	0	3	1
AG 4403	-7	-8	-7	-4	-7
AG 4907	1	0	0	4	1
AG 4903	1	0	-1	3	1
TN09-004	-1	-3	0	0	-1
B05-8046	-5	-16	-9	-3	-8
JTN-4408	1	0	0	-1	0
JTN-4607	-1	-4	-5	-2	-3
LS07-1934	-10	-17	-11	-5	-11
LS07-3131	-9	-12	-6	-9	-9
Md 0708WN 109	-1	-5	-3	2	-2
Md 0708WN 157	-3	-2	-2	2	-1
Md 07-5092	-1	-7	-4	-3	-4
NCC05-1168	1	-2	-3	3	0
NCC05-1261	-1	-5	-2	-1	-2
NCC06-148	0	-1	1	4	1
NCC06-339	1	-2	0	3	1
NCC07-241R	-1	-3	-2	-1	-2
NCC07-974R	-1	-3	-2	0	-2
R05-3239	-1	-3	-1	2	-1
R07-10231	-1	-2	-2	3	-1
R07-10244	0	-2	-2	2	-1
S08-14087	-5	1	-2	4	-1
S08-17361	0	4	2	3	2
V05-2037	0	-6	-2	1	-2
V05-2664	-1	-4	-1	-2	-2
V05-2607	0	-3	0	4	0
V06-0855	0	0	1	2	1
Mean	-2	-4	-2	0	-2

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

East

STRAIN/ VARIETY	Plymouth, NC(B)	Warsaw, VA	Area Mean
5002T	10/2	10/12	10/7
DK 4866	-2	0	-1
AG 4403	-8	-9	-8
AG 4907	-2	0	-1
AG 4903	-2	0	-1
TN09-004	0	2	1
B05-8046	-9	-8	-8
JTN-4408	0	1	0
JTN-4607	-3	-1	-2
LS07-1934	-10	-4	-7
LS07-3131	-10	-4	-7
Md 0708WN 109	-1	-5	-3
Md 0708WN 157	0	-2	-1
Md 07-5092	-4	-5	-4
NCC05-1168	-4	-4	-4
NCC05-1261	-5	-5	-5
NCC06-148	-1	0	-1
NCC06-339	-1	1	0
NCC07-241R	-3	-6	-4
NCC07-974R	-1	-1	-1
R05-3239	0	0	0
R07-10231	-2	-3	-2
R07-10244	-1	-3	-2
S08-14087	-6	-4	-5
S08-17361	-1	3	1
V05-2037	-4	-3	-3
V05-2664	-3	0	-1
V05-2607	0	1	1
V06-0855	1	-1	0
Mean	-3	-2	-2

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

South

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Area Mean
5002T	10/13	9/27	9/30	10/21	10/2	10/7
DK 4866	0	1	-3	0	-2	-1
AG 4403	-10	-2	-8	-3	-3	-5
AG 4907	-1	1	-2	0	0	0
AG 4903	-3	1	2	2	1	0
TN09-004	2	1	4	1	2	2
B05-8046	-10	-6	-19	-4	-3	-8
JTN-4408	3	1	2	1	-1	1
JTN-4607	-1	-2	-7	-2	-3	-3
LS07-1934	-10	-9	-19	-2	-3	-9
LS07-3131	-10	-4	-16	-3	-2	-7
Md 0708WN 109	-2	0	-5	-2	-3	-2
Md 0708WN 157	-5	-4	-5	3	-2	-3
Md 07-5092	-3	0	-6	-4	-3	-3
NCC05-1168	-1	0	-3	1	-1	-1
NCC05-1261	-1	0	-4	-1	-1	-1
NCC06-148	0	1	2	-1	2	1
NCC06-339	0	1	0	-2	2	0
NCC07-241R	-2	0	-4	-2	-3	-2
NCC07-974R	-3	0	-3	1	-2	-1
R05-3239	-1	1	-1	-1	-1	-1
R07-10231	1	0	-3	0	0	0
R07-10244	2	1	-2	0	1	0
S08-14087	-3	0	-3	-2	-2	-2
S08-17361	4	10	6	1	4	5
V05-2037	-2	0	-2	-2	-2	-2
V05-2664	3	0	0	1	1	1
V05-2607	1	0	0	0	0	0
V06-0855	2	1	-2	0	-1	0
Mean	-2	0	-3	-1	-1	-1

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

West

STRAIN/ VARIETY	Stillwater, OK	Area Mean
5002T	10/3	10/3
DK 4866	0	0
AG 4403	-2	-2
AG 4907	0	0
AG 4903	0	0
TN09-004	0	0
B05-8046	-2	-2
JTN-4408	0	0
JTN-4607	-1	-1
LS07-1934	-2	-2
LS07-3131	-2	-2
Md 0708WN 109	5	5
Md 0708WN 157	-1	-1
Md 07-5092	0	0
NCC05-1168	0	0
NCC05-1261	0	0
NCC06-148	0	0
NCC06-339	0	0
NCC07-241R	0	0
NCC07-974R	0	0
R05-3239	0	0
R07-10231	0	0
R07-10244	0	0
S08-14087	-1	-1
S08-17361	0	0
V05-2037	0	0
V05-2664	0	0
V05-2607	0	0
V06-0855	-1	-1
Mean	0	0

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
5002T	26	24	25	15	23
DK 4866	37	46	41	29	38
AG 4403	42	46	39	34	40
AG 4907	41	47	41	28	39
AG 4903	35	45	37	30	37
TN09-004	31	26	26	17	25
B05-8046	37	41	35	26	35
JTN-4408	28	33	32	17	28
JTN-4607	29	25	28	16	25
LS07-1934	36	37	32	29	33
LS07-3131	39	42	38	28	37
Md 0708WN 109	27	22	25	13	22
Md 0708WN 157	41	47	40	35	41
Md 07-5092	29	22	28	13	23
NCC05-1168	32	23	27	13	24
NCC05-1261	30	24	26	15	24
NCC06-148	31	23	26	16	24
NCC06-339	27	23	24	14	22
NCC07-241R	32	24	28	12	24
NCC07-974R	29	22	27	18	24
R05-3239	36	27	29	17	27
R07-10231	27	23	29	14	23
R07-10244	29	25	29	14	24
S08-14087	45	49	42	31	42
S08-17361	44	47	39	29	40
V05-2037	26	20	24	11	20
V05-2664	30	27	26	19	26
V05-2607	29	25	25	16	24
V06-0855	29	24	24	15	23
Mean	33	31	31	20	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

East

STRAIN/ VARIETY	Plymouth, NC(B)	Warsaw, VA	Area Mean
5002T	34	28	31
DK 4866	50	37	44
AG 4403	44	29	37
AG 4907	47	35	41
AG 4903	45	34	40
TN09-004	37	30	33
B05-8046	40	29	35
JTN-4408	41	34	37
JTN-4607	37	34	36
LS07-1934	37	27	32
LS07-3131	45	29	37
Md 0708WN 109	32	23	27
Md 0708WN 157	49	34	42
Md 07-5092	35	27	31
NCC05-1168	33	28	31
NCC05-1261	34	27	30
NCC06-148	35	30	32
NCC06-339	34	26	30
NCC07-241R	37	29	33
NCC07-974R	35	30	33
R05-3239	38	31	34
R07-10231	39	28	34
R07-10244	37	26	32
S08-14087	51	35	43
S08-17361	51	33	42
V05-2037	34	28	31
V05-2664	34	29	32
V05-2607	35	27	31
V06-0855	35	28	32
Mean	39	30	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

South

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
5002T	30	29	18	14	37	28	.	26
DK 4866	44	34	25	18	43	25	.	31
AG 4403	45	38	28	19	40	28	.	33
AG 4907	44	38	26	23	45	34	.	35
AG 4903	45	45	26	21	43	30	.	35
TN09-004	32	34	22	18	38	31	.	29
B05-8046	46	38	25	17	42	28	.	33
JTN-4408	35	31	22	20	46	35	.	32
JTN-4607	31	31	24	15	43	30	.	29
LS07-1934	40	37	24	19	43	25	.	31
LS07-3131	44	43	26	17	39	30	.	33
Md 0708WN 109	32	25	19	14	34	32	.	26
Md 0708WN 157	43	32	30	24	42	31	.	34
Md 07-5092	35	30	23	14	41	29	.	29
NCC05-1168	29	29	21	17	38	31	.	28
NCC05-1261	31	31	21	16	40	32	.	28
NCC06-148	35	28	24	17	39	31	.	29
NCC06-339	32	26	20	17	35	30	.	26
NCC07-241R	36	35	23	15	41	28	.	29
NCC07-974R	33	35	22	17	41	31	.	30
R05-3239	34	33	23	18	39	31	.	30
R07-10231	32	35	19	16	39	29	.	28
R07-10244	35	36	20	16	39	29	.	29
S08-14087	50	47	32	22	43	31	.	38
S08-17361	43	44	28	20	43	27	.	34
V05-2037	35	32	17	13	40	30	.	28
V05-2664	34	33	22	13	40	32	.	29
V05-2607	35	28	19	16	37	27	.	27
V06-0855	30	31	19	17	37	30	.	27
Mean	37	34	23	17	40	30	.	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
5002T	21	24	17	21
DK 4866	27	28	28	28
AG 4403	30	28	32	30
AG 4907	24	33	35	31
AG 4903	29	28	36	31
TN09-004	24	26	21	24
B05-8046	28	28	27	28
JTN-4408	23	27	21	24
JTN-4607	24	26	20	23
LS07-1934	31	29	28	29
LS07-3131	30	27	29	29
Md 0708WN 109	20	24	16	20
Md 0708WN 157	25	28	31	28
Md 07-5092	21	24	18	21
NCC05-1168	27	28	20	25
NCC05-1261	24	26	22	24
NCC06-148	22	24	18	22
NCC06-339	19	23	21	21
NCC07-241R	24	24	21	23
NCC07-974R	23	25	23	23
R05-3239	22	26	13	20
R07-10231	23	28	15	22
R07-10244	24	28	15	22
S08-14087	30	32	29	30
S08-17361	27	29	27	28
V05-2037	20	24	14	19
V05-2664	22	25	16	21
V05-2607	23	24	17	21
V06-0855	24	25	18	22
Mean	25	27	22	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
5002T	1.7	1.0	1.0	1.0	1.2
DK 4866	1.0	2.0	2.7	2.0	1.9
AG 4403	1.0	3.0	2.0	2.0	2.0
AG 4907	1.0	1.7	2.0	1.3	1.5
AG 4903	1.0	2.7	2.7	2.0	2.1
TN09-004	1.0	1.0	1.0	1.0	1.0
B05-8046	1.0	2.3	2.0	2.7	2.0
JTN-4408	1.0	1.0	1.7	1.0	1.2
JTN-4607	1.0	1.0	1.7	1.0	1.2
LS07-1934	1.0	1.7	2.0	2.0	1.7
LS07-3131	1.0	2.7	2.0	1.7	1.8
Md 0708WN 109	1.0	1.0	1.0	1.0	1.0
Md 0708WN 157	1.0	2.3	2.3	2.0	1.9
Md 07-5092	1.0	2.0	1.0	1.0	1.3
NCC05-1168	1.0	1.3	1.0	1.0	1.1
NCC05-1261	1.0	1.0	1.0	1.0	1.0
NCC06-148	1.0	1.0	1.0	1.0	1.0
NCC06-339	1.0	1.0	1.0	1.0	1.0
NCC07-241R	1.0	1.0	1.0	1.0	1.0
NCC07-974R	1.0	1.0	1.0	1.0	1.0
R05-3239	1.0	1.0	1.0	1.0	1.0
R07-10231	1.0	1.3	1.3	1.0	1.2
R07-10244	1.0	1.0	1.0	1.0	1.0
S08-14087	1.0	3.0	3.0	2.3	2.3
S08-17361	1.0	3.0	2.0	1.7	1.9
V05-2037	1.0	1.0	1.3	1.0	1.1
V05-2664	1.0	1.0	1.7	1.0	1.2
V05-2607	1.0	1.0	1.0	1.0	1.0
V06-0855	1.0	1.0	1.0	1.0	1.0
Mean	1.0	1.6	1.5	1.3	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

East

STRAIN/ VARIETY	Plymouth, NC(B)	Warsaw, VA	Area Mean
5002T	.	2.3	2.3
DK 4866	.	2.2	2.2
AG 4403	.	1.9	1.9
AG 4907	.	1.8	1.8
AG 4903	.	2.1	2.1
TN09-004	.	1.5	1.5
B05-8046	.	2.2	2.2
JTN-4408	.	2.9	2.9
JTN-4607	.	2.6	2.6
LS07-1934	.	1.6	1.6
LS07-3131	.	1.8	1.8
Md 0708WN 109	.	2.5	2.5
Md 0708WN 157	.	2.3	2.3
Md 07-5092	.	1.4	1.4
NCC05-1168	.	2.4	2.4
NCC05-1261	.	2.6	2.6
NCC06-148	.	2.2	2.2
NCC06-339	.	1.9	1.9
NCC07-241R	.	2.5	2.5
NCC07-974R	.	2.9	2.9
R05-3239	.	1.9	1.9
R07-10231	.	2.7	2.7
R07-10244	.	2.8	2.8
S08-14087	.	2.1	2.1
S08-17361	.	1.9	1.9
V05-2037	.	1.8	1.8
V05-2664	.	2.5	2.5
V05-2607	.	2.0	2.0
V06-0855	.	1.9	1.9
Mean	.	2.2	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

South

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
5002T	1.7	1.0	1.0	1.0	2.3	1.0	.	1.3
DK 4866	2.0	1.3	1.0	1.0	1.0	1.0	.	1.2
AG 4403	2.0	1.7	1.3	1.0	1.3	1.0	.	1.4
AG 4907	2.0	1.0	1.0	1.0	1.7	1.0	.	1.3
AG 4903	2.0	2.7	1.0	1.0	1.7	1.0	.	1.6
TN09-004	1.0	1.7	1.0	1.0	2.3	1.0	.	1.3
B05-8046	2.7	3.3	1.5	1.0	2.7	1.0	.	2.0
JTN-4408	1.7	2.0	1.0	1.0	3.3	1.0	.	1.7
JTN-4607	1.7	2.7	1.0	1.0	3.7	1.0	.	1.8
LS07-1934	2.0	1.7	1.5	1.0	1.3	1.0	.	1.4
LS07-3131	2.3	1.7	1.5	1.0	1.0	1.0	.	1.4
Md 0708WN 109	1.3	1.0	1.0	1.0	2.7	1.0	.	1.3
Md 0708WN 157	2.0	1.0	1.2	1.0	2.0	1.0	.	1.4
Md 07-5092	1.0	1.0	1.0	1.0	4.0	1.0	.	1.5
NCC05-1168	2.3	1.0	1.0	1.0	3.7	1.0	.	1.7
NCC05-1261	1.7	1.7	1.0	1.0	4.3	1.0	.	1.8
NCC06-148	1.3	1.0	1.0	1.0	3.0	1.0	.	1.4
NCC06-339	1.3	1.0	1.0	1.0	2.7	1.0	.	1.3
NCC07-241R	1.7	1.0	1.0	1.0	3.3	1.0	.	1.5
NCC07-974R	1.7	2.0	1.0	1.0	2.3	1.0	.	1.5
R05-3239	1.0	1.3	1.0	1.0	2.3	1.0	.	1.3
R07-10231	2.0	2.7	1.0	1.0	3.0	1.0	.	1.8
R07-10244	2.3	3.3	1.0	1.0	3.0	1.0	.	1.9
S08-14087	2.0	3.0	1.2	1.0	2.0	1.0	.	1.7
S08-17361	2.0	2.0	1.0	1.0	1.0	1.0	.	1.3
V05-2037	1.0	1.0	1.0	1.0	3.3	1.0	.	1.4
V05-2664	2.0	2.3	1.0	1.0	3.3	1.0	.	1.8
V05-2607	1.3	1.0	1.0	1.0	2.3	1.0	.	1.3
V06-0855	1.0	1.0	1.0	1.0	1.3	1.0	.	1.1
Mean	1.7	1.7	1.1	1.0	2.5	1.0	.	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
5002T	1.0	1.0	.	1.0
DK 4866	1.0	1.0	.	1.0
AG 4403	1.0	1.0	.	1.0
AG 4907	1.0	1.0	.	1.0
AG 4903	1.0	1.0	.	1.0
TN09-004	1.0	1.0	.	1.0
B05-8046	1.0	1.0	.	1.0
JTN-4408	1.0	1.0	.	1.0
JTN-4607	1.0	1.0	.	1.0
LS07-1934	1.0	1.0	.	1.0
LS07-3131	1.0	1.0	.	1.0
Md 0708WN 109	1.0	1.0	.	1.0
Md 0708WN 157	1.0	1.0	.	1.0
Md 07-5092	1.0	1.0	.	1.0
NCC05-1168	1.0	1.0	.	1.0
NCC05-1261	1.0	1.0	.	1.0
NCC06-148	1.0	1.0	.	1.0
NCC06-339	1.0	1.0	.	1.0
NCC07-241R	1.0	1.0	.	1.0
NCC07-974R	1.0	1.0	.	1.0
R05-3239	1.0	1.0	.	1.0
R07-10231	1.0	1.0	.	1.0
R07-10244	1.0	1.0	.	1.0
S08-14087	1.0	1.0	.	1.0
S08-17361	1.0	1.0	.	1.0
V05-2037	1.0	1.0	.	1.0
V05-2664	1.0	1.0	.	1.0
V05-2607	1.0	1.0	.	1.0
V06-0855	1.0	1.0	.	1.0
Mean	1.0	1.0	.	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
5002T	.	2.0	2.3	3.0	2.3
DK 4866	.	2.7	2.0	2.5	2.4
AG 4403	.	3.0	2.3	2.5	2.6
AG 4907	.	2.3	2.3	2.5	2.4
AG 4903	.	2.3	2.3	2.5	2.4
TN09-004	.	2.7	2.0	2.0	2.3
B05-8046	.	2.7	2.7	3.5	2.8
JTN-4408	.	2.7	2.0	2.0	2.3
JTN-4607	.	2.3	3.0	2.0	2.6
LS07-1934	.	2.3	3.0	3.5	2.8
LS07-3131	.	3.0	4.0	3.0	3.4
Md 0708WN 109	.	2.3	3.0	2.0	2.6
Md 0708WN 157	.	2.7	3.0	2.5	2.8
Md 07-5092	.	2.0	3.0	2.5	2.5
NCC05-1168	.	2.0	3.0	4.0	2.7
NCC05-1261	.	3.0	3.7	3.0	3.3
NCC06-148	.	2.3	2.0	2.5	2.2
NCC06-339	.	3.0	3.3	3.0	3.1
NCC07-241R	.	3.3	2.7	2.5	2.9
NCC07-974R	.	3.0	3.3	3.0	3.1
R05-3239	.	3.3	2.7	3.0	3.0
R07-10231	.	2.7	2.7	3.5	2.8
R07-10244	.	2.0	3.0	3.0	2.6
S08-14087	.	2.7	3.0	2.0	2.7
S08-17361	.	2.0	2.7	2.0	2.3
V05-2037	.	3.0	2.0	3.0	2.6
V05-2664	.	3.3	2.0	2.5	2.6
V05-2607	.	2.0	3.0	2.5	2.5
V06-0855	.	3.3	3.7	2.5	3.4
Mean	.	2.6	2.7	2.7	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

East

STRAIN/ VARIETY	Plymouth, NC(B)	Warsaw, VA	Area Mean
5002T	3.0	1.7	2.3
DK 4866	3.5	1.6	2.6
AG 4403	3.5	3.8	3.7
AG 4907	3.5	2.4	3.0
AG 4903	3.3	1.6	2.5
TN09-004	2.7	1.5	2.1
B05-8046	4.5	4.6	4.6
JTN-4408	2.8	1.5	2.2
JTN-4607	3.3	1.6	2.5
LS07-1934	4.5	4.8	4.7
LS07-3131	4.0	3.5	3.8
Md 0708WN 109	3.5	1.6	2.6
Md 0708WN 157	2.8	1.9	2.4
Md 07-5092	3.3	1.9	2.6
NCC05-1168	3.8	2.7	3.3
NCC05-1261	3.3	2.2	2.8
NCC06-148	3.0	1.4	2.2
NCC06-339	3.0	1.5	2.3
NCC07-241R	3.2	1.5	2.3
NCC07-974R	3.0	1.9	2.4
R05-3239	2.8	1.7	2.3
R07-10231	3.2	1.8	2.5
R07-10244	3.3	1.7	2.5
S08-14087	3.8	2.3	3.1
S08-17361	3.0	1.6	2.3
V05-2037	3.5	2.0	2.8
V05-2664	3.0	1.7	2.4
V05-2607	3.5	1.7	2.6
V06-0855	3.3	1.3	2.3
Mean	3.4	2.1	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

South

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
5002T	1.0	2.3	2.2	1.0	3.0	.	.	1.7
DK 4866	1.0	1.7	2.0	1.3	1.0	.	.	1.5
AG 4403	1.0	1.3	2.2	1.0	2.0	.	.	1.4
AG 4907	1.0	2.0	2.2	1.3	1.0	.	.	1.6
AG 4903	1.0	1.3	1.8	1.3	1.0	.	.	1.3
TN09-004	1.0	1.0	1.5	1.0	2.0	.	.	1.2
B05-8046	1.0	1.7	2.3	1.7	2.0	.	.	1.7
JTN-4408	1.0	1.0	1.7	1.0	2.0	.	.	1.2
JTN-4607	1.0	1.0	1.3	1.0	3.0	.	.	1.2
LS07-1934	1.0	2.0	3.7	1.7	2.0	.	.	2.1
LS07-3131	1.0	2.0	2.7	1.7	1.0	.	.	1.8
Md 0708WN 109	1.0	1.7	1.5	1.0	2.0	.	.	1.3
Md 0708WN 157	1.0	3.0	3.0	1.3	2.0	.	.	2.1
Md 07-5092	1.0	1.0	2.0	1.0	3.0	.	.	1.4
NCC05-1168	1.0	2.0	2.2	1.0	2.0	.	.	1.6
NCC05-1261	1.0	1.0	2.2	1.3	2.0	.	.	1.4
NCC06-148	1.3	1.0	1.3	1.0	2.0	.	.	1.2
NCC06-339	1.0	1.0	1.5	1.0	3.0	.	.	1.3
NCC07-241R	1.3	1.0	2.2	2.0	2.0	.	.	1.7
NCC07-974R	1.3	1.3	1.7	1.0	1.0	.	.	1.3
R05-3239	1.0	1.0	1.7	1.0	4.0	.	.	1.4
R07-10231	1.7	1.0	2.0	1.3	2.0	.	.	1.5
R07-10244	1.3	1.0	2.0	1.0	3.0	.	.	1.5
S08-14087	1.0	1.0	2.3	1.0	2.0	.	.	1.4
S08-17361	1.3	2.0	1.8	1.0	2.0	.	.	1.6
V05-2037	1.0	1.0	1.8	1.7	1.0	.	.	1.3
V05-2664	1.0	1.0	1.8	1.7	3.0	.	.	1.5
V05-2607	1.7	1.7	1.7	1.3	2.0	.	.	1.6
V06-0855	1.0	1.0	1.8	1.0	2.0	.	.	1.3
Mean	1.1	1.4	2.0	1.2	2.1	.	.	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
5002T	2.0	2.0	.	2.0
DK 4866	2.0	2.0	.	2.0
AG 4403	2.0	2.0	.	2.0
AG 4907	2.0	2.0	.	2.0
AG 4903	3.0	2.0	.	2.5
TN09-004	2.0	2.0	.	2.0
B05-8046	3.0	3.0	.	3.0
JTN-4408	2.0	2.0	.	2.0
JTN-4607	2.0	2.0	.	2.0
LS07-1934	3.0	3.0	.	3.0
LS07-3131	3.0	2.0	.	2.5
Md 0708WN 109	2.0	2.0	.	2.0
Md 0708WN 157	2.0	3.0	.	2.5
Md 07-5092	3.0	3.0	.	3.0
NCC05-1168	2.0	3.0	.	2.5
NCC05-1261	2.0	2.0	.	2.0
NCC06-148	2.0	3.0	.	2.5
NCC06-339	2.0	2.0	.	2.0
NCC07-241R	2.0	2.0	.	2.0
NCC07-974R	2.0	2.0	.	2.0
R05-3239	2.0	2.0	.	2.0
R07-10231	2.0	3.0	.	2.5
R07-10244	2.0	2.0	.	2.0
S08-14087	2.0	2.0	.	2.0
S08-17361	2.0	2.0	.	2.0
V05-2037	2.0	2.0	.	2.0
V05-2664	2.0	2.0	.	2.0
V05-2607	2.0	2.0	.	2.0
V06-0855	2.0	2.0	.	2.0
Mean	2.2	2.2	.	.

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TABLE 13 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	F_n	SPECIAL TRAITS
1	AG 4103	Commercial check		
2	AG 4403	Commercial check		
3	AG 3803	Commercial check		
4	LD00-3309	Maverick X Dwight		
5	LG04-1459-8	S32-Z3 x LG00-3056	F7	Diversity, Exotic
6	LS08-4934	LS00-4221 x LS01-1158	F6	
7	LS08-5552	LS97-3617 x LS98-0582	F6	
8	LS08-5852	LS93-0375 x LS98-0582	F6	
9	LS08-6003	MD96-5722 x LS01-0971	F6	
10	LS08-6034	MD96-5722 x LS01-0971	F6	
11	Md 0809WN 139	Md selection from LG 06-4429	F5	Diversity
12	Md 08-5809	Md selection from LG 05-2887	F5	Diversity
13	R08-2687	99VPI-120 x S98-1375	F5	
14	S08-14072	R00-1194F X S04-5969RR		RR,SCN
15	S08-14117	R00-1194F X S04-5969RR		RR,SCN
16	S08-2014	S04-3962RR X S04-5997RR		RR,SCN
17	S09-10320	S04-10364 x LG03-3780	F5	STS,DIV,CONV
18	S09-5587	S04-10364 x S04-3962RR	F5	RR
19	V07-9734	MD97-6065 x MD98-5579	F4	SCN
20	V07-9764	TN97-167 x V99-8097	F4	SCN
21	V06-9664	LODA x LG96-1797	F4	Exotic
22	V06-10038	V95-0391 x PI2227328	F4	Exotic

**TABLE 14 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST IV-S-EARLY FOR YEAR 2011**

STRAIN/ VARIETY	SEED		AVG.	MAT.	SEED		%	%	HG TYPE			SC	SC	FL	PUB.	POD		
	YIELD	RANK	RANK	INDEX	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL	1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5	RATING	SCORE	COLOR	COLOR	COLOR
AG 4103	55.1	1	6	0	1.9	33	2.5	14.8	40.4	22.2	5	2	4	R	1	W	G	T
AG 4403	54.0	4	7	2	1.7	35	2.1	13.5	39.3	22.9	4	3	4	S	5	P	G	T
AG 3803	53.4	6	7	-2	1.5	32	2.7	15.2	41.4	21.9	4	2	3	MR	2	P	G	Br
LD00-3309	48.3	17	12	-3	1.5	30	2.7	12.6	41.0	21.5	5	2	4	R	1	P	T	Br
LG04-1459-8	41.9	22	17	3	3.3	34	2.2	14.7	39.6	22.6	4	5	4	S	5	W	G	Br
LS08-4934	49.6	10	12	1	1.7	33	2.5	14.2	42.6	20.3	4	1	4	R	1	W	S	T
LS08-5552	48.9	15	13	2	2.5	35	2.4	14.2	41.1	20.8	4	3	5	S	5	W	T	T
LS08-5852	48.8	16	14	1	2.4	36	2.3	13.6	41.0	20.8	5	2	5	S	5	S	T	T
LS08-6003	49.4	12	11	2	2.0	34	2.8	15.0	41.2	21.5	5	3	5	S	5	W	G	Br
LS08-6034	50.3	9	10	2	2.3	37	2.4	17.9	42.2	21.5	4	4	5	R	1	P	G	Br
Md 0809WN 139	44.3	20	17	-1	2.7	34	2.7	17.3	40.9	22.6	4	3	4	SS	3	W	T	T
Md 08-5809	42.4	21	19	-1	2.4	32	3.1	15.5	40.6	22.4	4	4	4	R	1	W	G	Br
R08-2687	49.5	11	12	6	1.4	29	2.0	15.0	39.8	21.6	4	5	5	MS	4	W	G	T
S08-14072	54.5	2	7	5	1.8	38	2.2	13.8	39.7	22.0	4	2	3	R	1	W	T	T
S08-14117	54.4	3	6	2	1.6	35	2.2	13.3	39.4	22.5	5	2	.	R	1	W	T	T
S08-2014	49.1	14	12	2	2.3	38	2.4	15.9	40.4	21.8	3	5	4	R	1	P	Lt	T
S09-10320	53.0	7	9	6	1.8	35	2.1	16.5	41.5	21.2	4	4	5	R	1	S	T	T
S09-5587	53.7	5	6	2	1.9	34	2.8	16.8	40.2	21.4	5	3	.	R	1	P	Lt	T
V07-9734	50.6	8	11	0	2.0	35	2.1	14.9	40.3	22.2	5	5	5	R	1	P	T	T
V07-9764	46.8	18	15	-2	2.4	39	2.2	15.4	42.1	21.8	4	4	5	MR	2	P	T	T
V06-9664	44.3	19	18	5	2.7	35	2.1	14.1	40.7	21.5	4	1	.	R	1	P	G	T
V06-10038	49.4	13	12	4	1.1	25	1.7	13.5	40.0	21.0	5	3	5	R	1	W	G	T
Mean	49.6	.	.	2	2.0	34	2.4	14.9	40.7	21.7	.	.	.	.	.	.	.	.
LSD(0.05)	5.1	.	.	2	.	2	0.5	0.8	0.9	0.5	.	.	.	.	.	.	.	.
CV(%)	12.0	.	.	155	.	10	24.0	5.5	2.1	2.0	.	.	.	.	.	.	.	.

TABLE 15 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville,‡ TN	Orange,‡ VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield,‡ TN	Stuttgart,‡ AR	Warsaw, VA	Test Mean
AG 4103	63.8	26.9	69.3	9.7	5.9	39.4	73.4	58.1	33.1	46.7	54.8	55.1
AG 4403	59.1	19.8	72.6	24.8	12.8	39.0	73.9	59.9	28.8	54.0	53.4	54.0
AG 3803	68.8	18.3	62.5	20.6	11.4	42.7	70.1	54.8	36.7	48.9	56.6	53.4
LD00-3309	57.0	24.6	61.7	16.1	16.0	34.3	65.8	54.5	21.8	46.7	42.6	48.3
LG04-1459-8	43.0	17.6	42.8	3.7	19.4	32.5	57.7	45.0	30.1	46.4	56.6	41.9
LS08-4934	55.7	17.6	56.4	17.2	16.4	41.3	69.1	50.9	42.0	32.3	56.0	49.6
LS08-5552	58.6	15.7	67.2	13.7	15.0	31.9	65.3	46.5	36.2	40.5	56.9	48.9
LS08-5852	56.7	16.1	74.6	15.2	19.1	30.6	61.6	49.7	37.8	49.6	52.4	48.8
LS08-6003	57.5	23.9	67.6	17.2	25.3	35.3	71.9	44.5	39.1	41.6	45.4	49.4
LS08-6034	58.2	24.7	61.0	28.4	20.1	32.9	66.1	52.9	41.1	45.3	56.4	50.3
Md 0809WN 139	58.0	16.9	51.7	30.3	18.5	30.4	60.6	45.8	30.5	35.7	46.5	44.3
Md 08-5809	45.2	19.5	57.2	17.5	8.5	27.2	56.9	44.1	43.0	39.6	46.4	42.4
R08-2687	52.7	12.5	66.1	29.9	17.5	39.4	67.8	46.3	30.5	61.8	61.5	49.5
S08-14072	64.6	15.5	70.2	19.1	26.9	39.1	73.5	62.0	35.1	46.9	56.6	54.5
S08-14117	63.4	22.4	69.9	12.7	24.7	39.2	71.4	58.6	41.2	45.2	56.4	54.4
S08-2014	56.9	22.9	60.0	4.7	27.9	30.4	65.6	48.3	41.8	44.5	59.5	49.1
S09-10320	61.1	15.0	78.6	29.9	22.7	41.8	68.4	51.1	44.7	51.4	55.4	53.0
S09-5587	67.4	18.5	70.4	14.7	15.5	40.1	67.2	52.5	35.9	44.3	60.2	53.7
V07-9734	53.8	22.8	72.9	26.2	20.8	35.0	64.9	55.0	39.6	55.1	49.9	50.6
V07-9764	54.7	24.3	63.5	30.4	19.2	32.1	62.2	42.5	38.6	45.8	48.5	46.8
V06-9664	51.6	11.2	57.0	22.9	23.4	29.0	60.0	39.2	29.5	55.6	62.3	44.3
V06-10038	56.8	18.2	63.9	24.5	14.3	32.9	59.5	51.8	36.8	41.4	63.1	49.4
Mean	57.5	19.3	64.4	19.5	18.2	35.3	66.0	50.6	36.1	46.3	54.4	49.6
LSD(0.05)	9.3	5.9	14.7	12.5	21.9	9.2	9.7	11.3	14.6	22.0	10.8	5.1
CV(%)	7.8	14.0	10.7	30.9	57.9	12.3	7.0	10.8	19.5	22.9	9.6	12.0

‡Data not included in mean.

TABLE 16 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	.	23.4	.	22.4	21.2	22.8	22.4	21.3	.	22.3	.	22.2
AG 4403	.	22.4	.	23.4	22.9	24.1	22.5	22.1	.	22.9	.	22.9
AG 3803	.	22.3	.	22.3	20.8	22.3	22.0	21.7	.	21.7	.	21.9
LD00-3309	.	21.2	.	21.5	21.2	22.5	21.8	20.9	.	21.6	.	21.5
LG04-1459-8	.	22.3	.	22.8	21.8	24.0	22.8	22.0	.	22.8	.	22.6
LS08-4934	.	20.1	.	21.7	20.1	20.2	20.4	19.7	.	20.1	.	20.3
LS08-5552	.	20.6	.	21.4	20.3	21.1	20.6	20.4	.	21.1	.	20.8
LS08-5852	.	21.1	.	21.6	20.4	20.9	21.2	20.2	.	20.4	.	20.8
LS08-6003	.	22.5	.	23.1	19.8	21.9	21.5	20.6	.	21.2	.	21.5
LS08-6034	.	22.1	.	22.2	20.4	22.4	21.2	20.8	.	21.2	.	21.5
Md 0809WN 139	.	23.0	.	23.4	21.5	23.2	22.8	21.6	.	22.5	.	22.6
Md 08-5809	.	22.2	.	23.3	21.4	23.5	22.5	21.7	.	22.3	.	22.4
R08-2687	.	21.2	.	22.1	21.2	21.9	21.9	20.8	.	22.1	.	21.6
S08-14072	.	22.1	.	22.8	20.6	22.5	22.1	21.4	.	22.3	.	22.0
S08-14117	.	22.5	.	22.5	21.7	23.2	22.9	21.4	.	23.6	.	22.5
S08-2014	.	22.2	.	22.2	21.2	23.0	21.9	21.2	.	21.3	.	21.8
S09-10320	.	20.8	.	22.0	20.8	21.7	21.5	20.9	.	20.5	.	21.2
S09-5587	.	21.7	.	22.1	20.8	21.9	21.8	20.7	.	20.8	.	21.4
V07-9734	.	22.2	.	23.0	22.3	22.9	22.4	21.6	.	21.2	.	22.2
V07-9764	.	22.3	.	22.4	20.8	22.9	22.2	20.3	.	21.5	.	21.8
V06-9664	.	21.1	.	22.3	21.1	22.4	21.9	20.8	.	21.2	.	21.5
V06-10038	.	20.0	.	21.4	20.5	21.5	22.0	19.8	.	22.0	.	21.0
Mean	.	21.8	.	22.4	21.0	22.4	21.9	21.0	.	21.7	.	.

TABLE 17 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	.	40.8	.	38.7	39.3	42.4	39.0	41.4	.	41.2	.	40.4
AG 4403	.	39.9	.	37.3	38.5	39.8	38.7	40.0	.	41.0	.	39.3
AG 3803	.	41.0	.	39.2	42.0	43.1	40.8	41.7	.	42.1	.	41.4
LD00-3309	.	39.9	.	41.0	40.3	43.3	39.5	41.3	.	42.0	.	41.0
LG04-1459-8	.	40.1	.	37.8	39.9	40.3	37.1	41.5	.	40.2	.	39.6
LS08-4934	.	41.3	.	39.9	42.0	45.2	41.9	43.0	.	45.2	.	42.6
LS08-5552	.	40.3	.	40.2	41.8	42.4	41.0	41.7	.	40.7	.	41.1
LS08-5852	.	39.9	.	39.8	41.0	42.1	39.7	41.9	.	42.5	.	41.0
LS08-6003	.	39.6	.	38.8	42.0	43.8	39.3	42.7	.	42.4	.	41.2
LS08-6034	.	40.8	.	40.9	42.6	43.6	40.9	42.8	.	44.0	.	42.2
Md 0809WN 139	.	39.4	.	38.7	41.5	43.2	39.4	42.1	.	42.1	.	40.9
Md 08-5809	.	38.6	.	37.6	41.5	43.4	39.3	42.0	.	41.7	.	40.6
R08-2687	.	41.1	.	37.8	39.1	41.3	38.5	40.1	.	40.8	.	39.8
S08-14072	.	39.9	.	37.3	41.5	41.6	38.1	40.3	.	39.7	.	39.7
S08-14117	.	39.8	.	39.1	39.4	41.5	37.3	41.4	.	37.5	.	39.4
S08-2014	.	40.4	.	38.7	39.8	41.1	38.2	41.6	.	42.9	.	40.4
S09-10320	.	41.7	.	39.3	41.3	42.1	40.2	43.1	.	43.1	.	41.5
S09-5587	.	39.6	.	38.4	41.3	41.3	38.6	40.6	.	42.0	.	40.2
V07-9734	.	39.8	.	39.2	38.5	42.6	38.7	41.3	.	42.2	.	40.3
V07-9764	.	41.8	.	40.2	40.5	44.9	40.2	44.2	.	43.2	.	42.1
V06-9664	.	41.2	.	39.2	41.2	41.4	37.6	42.7	.	41.4	.	40.7
V06-10038	.	40.7	.	38.8	39.9	40.9	37.7	41.6	.	40.4	.	40.0
Mean	.	40.3	.	39.0	40.7	42.3	39.2	41.8	.	41.7	.	.

TABLE 18 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	12.3	12.0	.	13.3	15.5	16.6	15.6	15.5	.	14.4	18.2	14.8
AG 4403	12.5	9.3	.	12.4	15.5	14.1	13.8	13.2	.	14.0	17.3	13.5
AG 3803	12.7	11.1	.	13.4	17.8	15.4	15.5	15.8	.	15.3	19.6	15.2
LD00-3309	10.4	8.1	.	10.7	15.2	13.0	13.3	14.6	.	13.1	14.9	12.6
LG04-1459-8	12.8	10.0	.	14.4	16.7	16.0	14.0	15.0	.	14.1	19.4	14.7
LS08-4934	13.6	9.4	.	13.0	16.2	14.4	14.6	14.8	.	15.3	16.7	14.2
LS08-5552	13.7	9.7	.	12.5	18.6	13.7	14.9	15.7	.	12.4	17.1	14.2
LS08-5852	11.8	9.8	.	12.5	16.4	13.1	14.0	14.4	.	14.8	16.0	13.6
LS08-6003	13.6	10.9	.	13.6	17.4	14.7	16.2	16.5	.	16.4	16.1	15.0
LS08-6034	15.7	13.3	.	16.3	21.1	17.7	18.1	19.4	.	19.0	20.4	17.9
Md 0809WN 139	15.6	11.0	.	14.8	21.5	19.0	18.0	18.6	.	17.4	20.0	17.3
Md 08-5809	11.9	10.7	.	13.2	18.9	17.0	16.6	17.6	.	17.0	16.9	15.5
R08-2687	13.3	9.3	.	13.7	17.1	16.1	15.2	16.1	.	16.4	17.8	15.0
S08-14072	12.0	8.5	.	12.6	16.2	15.4	14.3	14.5	.	13.8	17.4	13.8
S08-14117	11.4	9.2	.	12.0	14.6	13.7	13.6	14.5	.	12.9	17.5	13.3
S08-2014	14.4	11.8	.	14.5	18.8	15.8	15.2	16.9	.	16.6	19.1	15.9
S09-10320	14.5	10.3	.	15.9	20.0	16.5	16.3	19.5	.	16.2	19.8	16.5
S09-5587	14.6	11.9	.	15.0	20.4	17.3	17.8	16.2	.	16.8	21.0	16.8
V07-9734	11.9	10.9	.	13.5	17.4	16.6	15.3	16.1	.	13.8	18.6	14.9
V07-9764	13.5	12.3	.	13.5	17.8	16.5	15.8	15.3	.	15.6	17.9	15.4
V06-9664	12.9	9.2	.	12.6	16.7	14.8	14.5	14.4	.	15.0	17.1	14.1
V06-10038	12.0	8.5	.	11.8	16.1	14.5	13.8	13.1	.	14.9	16.6	13.5
Mean	13.0	10.3	.	13.4	17.5	15.5	15.3	15.8	.	15.2	18.0	.

TABLE 19 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	10/3	9/4	10/1	9/24	10/18	9/22	10/5	10/8	10/24	9/14	10/8	10/1
AG 4403	0	9	2	3	-1	-1	1	1	-1	4	-1	2
AG 3803	-1	-3	-2	-2	1	-5	-3	-2	-3	0	-3	-2
LD00-3309	-6	-5	-5	-4	0	-6	-6	-1	-2	-2	-4	-3
LG04-1459-8	4	8	6	2	1	0	1	6	-2	6	-2	3
LS08-4934	2	5	0	-2	1	0	0	1	0	1	2	1
LS08-5552	3	11	3	-1	2	1	3	3	-3	1	-5	2
LS08-5852	0	8	-1	-1	2	0	4	2	-1	4	-3	1
LS08-6003	3	5	4	0	2	1	3	5	1	1	2	2
LS08-6034	2	8	0	0	3	-3	1	5	-1	6	-3	2
Md 0809WN 139	0	-3	-1	-2	3	-2	-3	1	-1	-1	1	-1
Md 08-5809	-5	3	-1	-3	3	-4	-6	0	0	1	1	-1
R08-2687	9	10	9	11	5	7	5	8	-2	7	1	6
S08-14072	6	11	3	5	3	8	4	8	1	8	0	5
S08-14117	2	8	2	3	2	-1	-1	1	2	7	0	2
S08-2014	3	9	3	2	3	-1	0	2	-1	6	0	2
S09-10320	9	12	8	12	2	6	6	6	-1	8	2	6
S09-5587	2	5	1	3	2	1	2	3	0	7	0	2
V07-9734	-1	0	-1	-1	0	-4	-2	5	0	0	-2	0
V07-9764	0	-2	0	-2	2	-5	-4	1	2	2	-10	-2
V06-9664	9	12	3	10	0	6	5	6	-2	8	2	5
V06-10038	6	9	9	6	2	2	3	6	0	8	0	4
Mean	2	5	2	2	2	0	1	3	0	4	-1	.

TABLE 20 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	45	36	42	22	19	40	41	32	27	34	27	33
AG 4403	44	40	42	25	21	44	40	32	30	36	27	35
AG 3803	41	28	39	24	20	42	42	32	30	29	29	32
LD00-3309	39	27	35	22	18	36	35	33	28	32	26	30
LG04-1459-8	41	36	30	25	24	44	41	35	28	36	33	34
LS08-4934	42	35	37	28	24	38	38	33	31	32	30	33
LS08-5552	44	33	40	28	23	42	41	35	31	37	31	35
LS08-5852	45	36	40	25	27	43	44	35	29	39	33	36
LS08-6003	43	36	37	27	23	43	40	34	30	28	30	33
LS08-6034	41	41	39	30	24	46	42	37	32	39	32	37
Md 0809WN 139	40	36	43	30	23	40	37	34	34	28	31	34
Md 08-5809	39	34	38	23	20	39	34	29	34	36	30	32
R08-2687	35	31	33	21	17	44	30	29	29	20	29	29
S08-14072	45	42	47	26	24	52	43	36	32	44	32	38
S08-14117	46	38	39	26	23	44	37	35	35	31	30	35
S08-2014	46	42	44	25	27	50	43	38	35	33	32	38
S09-10320	44	39	41	25	26	44	41	29	32	33	30	35
S09-5587	42	34	39	26	24	42	40	31	34	32	28	34
V07-9734	42	39	40	28	22	41	40	34	35	35	29	35
V07-9764	44	42	45	29	23	51	41	38	38	40	36	39
V06-9664	36	35	39	28	26	42	40	36	32	34	33	35
V06-10038	36	24	29	20	17	33	24	26	31	14	27	25
Mean	42	35	39	26	22	43	39	33	31	33	30	.

TABLE 21 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	2.0	2.5	1.0	1.0	1.0	.	2.5	4.0	1.0	2.0	1.8	1.9
AG 4403	1.5	1.5	1.0	1.5	1.0	.	3.0	3.0	1.0	2.0	1.7	1.7
AG 3803	1.5	1.0	1.0	1.0	1.0	.	3.0	2.5	1.0	2.0	1.4	1.5
LD00-3309	1.0	1.0	1.0	1.2	1.0	.	2.5	3.0	1.0	2.0	1.2	1.5
LG04-1459-8	3.5	3.0	4.0	3.0	1.0	.	3.0	5.0	1.0	4.5	4.5	3.3
LS08-4934	1.5	2.0	1.0	1.0	1.0	.	2.0	3.0	1.0	2.5	1.7	1.7
LS08-5552	3.0	3.0	1.0	2.0	1.0	.	3.0	5.0	1.0	3.0	2.5	2.5
LS08-5852	2.0	3.5	1.0	2.2	1.0	.	3.0	5.0	1.0	3.5	2.0	2.4
LS08-6003	2.5	2.5	1.0	1.5	1.0	.	3.0	3.0	1.0	2.5	1.5	2.0
LS08-6034	2.5	3.5	1.0	1.7	1.0	.	3.0	3.5	1.0	3.5	2.7	2.3
Md 0809WN 139	3.5	3.0	1.0	3.5	1.0	.	3.0	4.5	1.0	3.5	2.8	2.7
Md 08-5809	2.5	1.5	2.0	1.2	1.0	.	3.5	4.5	1.0	4.0	2.7	2.4
R08-2687	2.0	1.0	1.0	1.0	1.0	.	1.0	2.0	1.0	1.0	3.0	1.4
S08-14072	2.0	1.5	1.5	1.2	1.0	.	3.0	2.5	1.0	3.0	1.7	1.8
S08-14117	2.0	1.0	1.0	1.2	1.0	.	2.0	3.0	1.0	2.0	1.7	1.6
S08-2014	2.0	2.0	1.0	3.0	1.0	.	3.0	3.5	1.0	4.0	2.4	2.3
S09-10320	2.0	1.5	1.0	1.7	1.0	.	2.5	2.5	1.0	2.0	2.5	1.8
S09-5587	2.5	1.0	1.0	1.5	1.0	.	2.5	5.0	1.0	2.0	1.9	1.9
V07-9734	2.0	1.5	1.0	2.0	1.0	.	3.0	3.5	1.0	3.0	2.1	2.0
V07-9764	2.0	3.5	1.5	2.0	1.0	.	2.5	4.0	1.0	3.5	2.8	2.4
V06-9664	4.0	3.0	1.5	2.0	1.0	.	3.0	4.5	1.0	3.0	3.5	2.7
V06-10038	1.0	1.0	1.0	1.0	1.0	.	1.0	1.5	1.0	1.0	1.7	1.1
Mean	2.2	2.0	1.3	1.7	1.0	.	2.6	3.5	1.0	2.7	2.2	.

TABLE 22 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	Knoxville, TN	Orange, VA	Plymouth, NC(B)	Portageville, MO(B)	Queenstown, MD	Springfield, TN	Stuttgart, AR	Warsaw, VA	Test Mean
AG 4103	1.0	2.5	.	3.0	2.0	4.0	2.0	1.5	.	1.5	4.4	2.5
AG 4403	1.5	2.0	.	2.0	1.0	3.7	2.0	1.0	.	2.5	3.7	2.1
AG 3803	1.5	2.5	.	3.0	1.5	4.0	3.0	1.0	.	3.0	4.5	2.7
LD00-3309	1.0	2.0	.	2.3	2.5	4.2	3.0	2.0	.	3.0	4.2	2.7
LG04-1459-8	1.0	2.0	.	2.0	1.0	4.0	2.5	2.0	.	2.0	3.3	2.2
LS08-4934	1.0	2.0	.	2.5	2.0	4.0	3.0	2.0	.	2.0	4.3	2.5
LS08-5552	1.0	2.0	.	1.8	2.0	4.2	3.0	2.0	.	1.5	3.9	2.4
LS08-5852	1.0	1.5	.	2.3	1.5	4.2	3.0	1.0	.	2.0	4.2	2.3
LS08-6003	1.0	3.0	.	3.3	2.5	4.0	3.0	1.0	.	3.0	4.5	2.8
LS08-6034	1.5	2.0	.	2.0	1.5	4.5	2.0	1.0	.	3.0	3.9	2.4
Md 0809WN 139	2.5	2.5	.	2.5	2.5	4.5	2.5	1.0	.	2.0	4.5	2.7
Md 08-5809	1.0	3.5	.	3.0	2.5	4.7	2.5	2.0	.	3.5	4.9	3.1
R08-2687	1.5	2.0	.	1.5	2.0	3.5	3.0	1.0	.	1.5	1.9	2.0
S08-14072	1.0	2.5	.	2.0	1.5	3.7	3.0	1.0	.	2.0	3.1	2.2
S08-14117	1.0	2.5	.	2.0	1.0	3.7	3.0	1.0	.	2.0	3.4	2.2
S08-2014	1.0	2.0	.	1.3	2.0	4.2	3.0	1.0	.	3.0	4.0	2.4
S09-10320	1.0	2.5	.	1.8	1.5	4.0	3.0	1.0	.	1.5	2.8	2.1
S09-5587	2.0	1.5	.	1.5	2.0	4.2	4.0	2.5	.	3.0	4.3	2.8
V07-9734	1.0	2.0	.	2.0	1.0	4.0	2.5	1.5	.	1.5	3.7	2.1
V07-9764	1.0	2.0	.	2.0	1.0	4.0	2.5	2.0	.	2.0	3.5	2.2
V06-9664	1.5	2.5	.	1.5	1.0	4.0	3.0	1.5	.	2.5	1.7	2.1
V06-10038	1.0	1.5	.	1.8	1.5	3.5	2.0	1.0	.	1.5	1.9	1.7
Mean	1.2	2.2	.	2.1	1.7	4.1	2.7	1.4	.	2.3	3.6	.

TABLE 23 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	5002T	Commercial check		
2	DK 4866	Commercial check		
3	AG 4403	Commercial check		
4	AG 4907	Commercial check		
5	AG 4903	Commercial check		
6	DS19-1	PI 547879 x GC00138-29	F5	Rust resistance, Exotic
7	DS25-1	DT98-9102 x PI 587982A	F5	Exotic, high germinability
8	DS25-4	DT98-9102 x PI 587982A	F5	Exotic, high germinability
9	LS08-6332	LS00-1755 x 5002T	F6	
10	Md 0708WN 13	S02-2259 x Md 99-6226	F5	Diversity
11	R07-1685	5002T x Ozark	F5	
12	R07-1882	R99-2512 x R01-1092	F5	
13	R07-5351	LS96-1631 x R96-3427	F5	
14	R08-141	R00-1076 x R00-1940	F5	
15	R08-265	R00-1551 x R00-1940	F5	
16	S08-10045	R00-1194F X S04-5997RR		RR,SCN
17	S08-9942	R00-1194F X S03-383RR		RR,SCN
18	S09-10857	S04-10364 x S04-12412	F5	SCN,CONV
19	S09-13608	LG04-6863 x S04-10364	F5	DIV,CONV
20	S09-9618	K03-3825 x S04-10364	F5	CONV
21	TN08-101	5601T x PI417088		
22	TN09-016	Fowler x Anand		
23	TN09-029	Fowler x Anand		
24	V07-5775	V97-2276 x GP26062	F4	
25	V07-3209	99VPI-67 x GP 26082	F4	
26	V06-9723	KOTTMAN x LODA	F4	

**TABLE 24 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST IV-S-LATE FOR YEAR 2011**

STRAIN/ VARIETY	SEED		AVG.	MAT.	SEED		%	%	HG TYPE			SC	SC	FL	PUB.	POD		
	YIELD	RANK	RANK	INDEX	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL	1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5	RATING	SCORE	COLOR	COLOR	COLOR
5002T	50.5	17	15	0	1.3	27	2.1	15.1	40.5	22.3	5	4	.	R	1	W	T	T
DK 4866	51.8	13	12	-1	1.8	37	2.1	14.6	39.7	21.3	5	5	5	S	5	P	G	Br
AG 4403	48.0	21	19	-7	1.8	37	2.5	13.1	40.9	23.3	4	5	5	S	5	P	G	T
AG 4907	52.4	11	10	0	1.8	39	2.2	13.5	40.0	21.8	5	1	5	R	1	P	G	Br
AG 4903	52.8	7	10	0	2.0	39	2.2	15.3	40.8	22.1	5	5	5	SS	3	P	G	T
DS19-1	29.8	26	26	-4	2.6	43	2.6	16.2	43.0	21.1	5	5	3	MS	4	P	T	Br
DS25-1	43.9	25	21	-2	2.6	42	2.2	11.9	40.9	19.8	5	5	5	R	1	W	G	T
DS25-4	45.5	23	19	-3	2.8	41	2.4	15.5	41.0	21.5	4	5	5	SS	3	W	G	T
LS08-6332	54.1	4	10	-2	1.2	25	2.2	15.3	40.5	22.1	5	1	5	R	1	W	T	T
Md 0708WN 13	51.3	15	13	0	1.5	26	2.2	16.0	40.8	22.3	5	5	5	R	1	P	G	T
R07-1685	52.5	10	13	-1	1.4	28	2.0	13.8	40.2	21.8	5	5	4	R	1	P	T	T
R07-1882	48.6	20	16	0	1.3	30	2.2	13.4	41.1	20.4	5	3	5	S	5	S	G	Br
R07-5351	52.8	6	12	0	1.9	31	2.0	14.6	40.4	21.6	5	1	5	SS	3	P	G	T
R08-141	52.4	12	10	1	2.4	36	1.9	13.7	40.4	22.0	5	1	.	S	5	P	T	T
R08-265	50.9	16	12	0	1.9	30	1.8	14.0	41.2	21.8	5	2	5	S	5	W	T	T
S08-10045	53.8	5	8	0	2.3	42	2.3	13.3	39.4	22.5	5	1	5	R	1	P	Lt	T
S08-9942	51.8	14	11	-1	2.0	40	2.0	12.9	37.9	22.9	5	2	5	R	1	P	Lt	T
S09-10857	55.1	2	8	-1	1.8	35	2.0	15.7	40.3	21.3	5	5	5	MR	2	W	T	T
S09-13608	52.8	8	10	-2	2.0	36	2.5	15.0	39.6	21.2	4	5	4	R	1	W	G	Br
S09-9618	54.4	3	8	0	1.8	34	2.1	14.6	40.8	21.2	5	4	.	R	1	W	T	T
TN08-101	55.7	1	8	1	1.5	31	2.1	15.3	41.6	21.6	4	5	5	R	1	P	G	T
TN09-016	52.7	9	10	0	1.1	29	2.1	14.2	39.1	22.2	3	4	4	S	5	P	T	T
TN09-029	50.4	18	13	0	1.2	31	2.2	13.6	39.5	21.3	1	1	1	S	5	P	T	T
V07-5775	49.5	19	15	-4	1.5	30	2.4	11.1	38.9	23.0	5	5	3	SS	3	P	G	T
V07-3209	46.0	22	20	-4	1.1	24	2.4	14.7	39.7	23.1	4	5	.	R	1	P	T	T
V06-9723	44.9	24	22	-2	2.8	38	2.1	14.4	40.5	22.7	5	5	5	R	1	P	G	T
Mean	50.2	.	.	-1	1.8	34	2.2	14.3	40.3	21.9	.	.	.	.	.	.	.	.
LSD(0.05)	4.4	.	.	2	.	4	0.4	0.8	1.0	0.6	.	.	.	.	.	.	.	.
CV(%)	10.7	.	.	-169	.	14	19.5	5.6	1.8	1.9	.	.	.	.	.	.	.	.

TABLE 25 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart,‡ AR	Warsaw, VA	Test Mean
5002T	60.0	51.3	71.9	22.4	13.8	45.2	68.0	54.8	71.3	50.5
DK 4866	64.9	44.8	70.3	23.1	18.5	37.8	77.0	60.2	78.4	51.8
AG 4403	60.6	53.7	65.5	23.6	13.8	35.2	63.0	63.6	67.2	48.0
AG 4907	67.6	47.1	76.5	28.1	20.2	39.5	68.6	52.6	72.0	52.4
AG 4903	62.5	56.4	75.0	26.3	19.5	40.3	72.9	66.5	69.8	52.8
DS19-1	37.9	37.3	43.1	13.4	0.8	18.6	42.9	21.3	44.4	29.8
DS25-1	48.5	47.6	64.1	29.4	13.6	29.8	59.7	38.2	58.4	43.9
DS25-4	49.1	47.7	66.0	27.5	17.3	37.6	62.5	57.5	56.5	45.5
LS08-6332	63.9	59.1	82.8	21.1	11.8	49.4	70.0	57.2	74.7	54.1
Md 0708WN 13	60.7	59.9	75.5	21.1	10.8	40.8	73.9	48.2	68.6	51.3
R07-1685	62.8	64.2	77.1	25.0	16.1	39.2	66.8	64.2	69.3	52.5
R07-1882	54.7	41.7	71.0	27.5	16.7	43.5	66.4	56.1	67.2	48.6
R07-5351	69.3	59.0	71.0	25.0	16.1	48.0	66.2	61.7	68.1	52.8
R08-141	60.5	57.0	69.9	30.1	19.6	42.3	68.7	66.8	71.3	52.4
R08-265	61.9	43.8	73.4	30.0	16.8	36.1	69.6	51.3	75.9	50.9
S08-10045	63.3	49.1	82.0	26.9	21.2	39.3	70.9	74.3	77.9	53.8
S08-9942	59.8	48.1	72.3	28.8	23.5	40.0	66.2	50.0	76.0	51.8
S09-10857	67.1	54.0	83.5	26.2	16.1	50.0	70.3	60.2	73.8	55.1
S09-13608	59.0	59.7	78.2	32.0	17.7	40.8	63.0	63.0	71.8	52.8
S09-9618	64.3	61.2	80.6	27.5	19.5	42.4	65.3	39.2	74.3	54.4
TN08-101	68.6	66.7	82.5	26.8	16.5	41.6	69.8	43.9	73.5	55.7
TN09-016	56.7	59.3	75.9	29.4	18.4	45.7	68.4	22.9	67.5	52.7
TN09-029	58.2	56.3	66.0	32.0	20.4	43.1	60.8	55.5	64.8	50.4
V07-5775	56.5	54.8	72.0	25.0	20.4	39.3	58.5	34.1	70.0	49.5
V07-3209	51.4	57.4	62.3	21.1	18.0	38.2	54.2	45.8	65.7	46.0
V06-9723	52.9	42.5	64.3	26.2	11.6	34.3	61.2	57.7	66.2	44.9
Mean	59.3	53.1	72.0	26.0	16.5	39.9	65.6	52.6	69.0	50.2
LSD(0.05)	5.4	10.6	14.2	5.9	4.6	8.9	9.4	21.4	8.4	4.4
CV(%)	4.4	9.7	9.0	11.0	13.5	10.9	7.0	19.5	5.9	10.7

‡Data not included in mean.

**TABLE 26 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011**

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	.	22.5	.	.	.	22.6	21.4	22.8	.	22.3
DK 4866	.	20.9	.	.	.	21.9	20.7	21.7	.	21.3
AG 4403	.	23.1	.	.	.	24.5	23.3	22.5	.	23.3
AG 4907	.	22.3	.	.	.	22.3	20.7	21.9	.	21.8
AG 4903	.	22.5	.	.	.	22.4	21.5	22.0	.	22.1
DS19-1	.	21.6	.	.	.	21.6	20.7	20.6	.	21.1
DS25-1	.	20.2	.	.	.	19.9	18.6	20.6	.	19.8
DS25-4	.	21.5	.	.	.	21.9	21.0	21.7	.	21.5
LS08-6332	.	22.0	.	.	.	22.6	21.2	22.6	.	22.1
Md 0708WN 13	.	22.2	.	.	.	22.6	21.8	22.7	.	22.3
R07-1685	.	21.6	.	.	.	22.4	21.0	22.2	.	21.8
R07-1882	.	20.3	.	.	.	20.7	19.9	20.6	.	20.4
R07-5351	.	21.9	.	.	.	21.4	21.3	21.7	.	21.6
R08-141	.	22.4	.	.	.	22.0	21.6	22.1	.	22.0
R08-265	.	21.9	.	.	.	21.9	21.1	22.3	.	21.8
S08-10045	.	22.5	.	.	.	22.9	22.4	22.2	.	22.5
S08-9942	.	22.6	.	.	.	23.5	22.5	23.1	.	22.9
S09-10857	.	21.3	.	.	.	20.8	21.4	21.9	.	21.3
S09-13608	.	21.5	.	.	.	21.3	21.0	20.9	.	21.2
S09-9618	.	21.4	.	.	.	21.1	21.3	21.1	.	21.2
TN08-101	.	21.7	.	.	.	22.0	21.2	21.7	.	21.6
TN09-016	.	22.2	.	.	.	22.0	21.5	22.9	.	22.2
TN09-029	.	21.6	.	.	.	21.2	20.7	21.7	.	21.3
V07-5775	.	22.7	.	.	.	23.0	23.1	23.2	.	23.0
V07-3209	.	22.5	.	.	.	23.4	23.5	23.2	.	23.1
V06-9723	.	22.3	.	.	.	23.8	22.6	22.3	.	22.7
Mean	.	21.9	.	.	.	22.1	21.4	22.0	.	.

TABLE 27 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	.	41.4	.	.	.	41.3	39.1	40.1	.	40.5
DK 4866	.	40.9	.	.	.	40.4	39.1	38.3	.	39.7
AG 4403	.	41.3	.	.	.	42.7	37.5	42.1	.	40.9
AG 4907	.	39.8	.	.	.	40.7	39.8	39.7	.	40.0
AG 4903	.	41.0	.	.	.	42.2	40.3	39.8	.	40.8
DS19-1	.	42.8	.	.	.	44.2	41.7	43.4	.	43.0
DS25-1	.	40.7	.	.	.	43.1	40.7	39.3	.	40.9
DS25-4	.	41.5	.	.	.	42.8	39.6	40.0	.	41.0
LS08-6332	.	41.2	.	.	.	41.0	39.6	40.1	.	40.5
Md 0708WN 13	.	41.3	.	.	.	41.3	40.5	40.0	.	40.8
R07-1685	.	41.0	.	.	.	40.7	39.2	40.0	.	40.2
R07-1882	.	41.7	.	.	.	41.6	40.1	41.1	.	41.1
R07-5351	.	40.6	.	.	.	42.1	38.6	40.4	.	40.4
R08-141	.	40.7	.	.	.	42.5	37.6	40.7	.	40.4
R08-265	.	41.6	.	.	.	43.0	40.0	40.2	.	41.2
S08-10045	.	40.0	.	.	.	40.9	37.1	39.7	.	39.4
S08-9942	.	39.0	.	.	.	39.4	36.0	37.2	.	37.9
S09-10857	.	40.9	.	.	.	42.4	38.8	39.0	.	40.3
S09-13608	.	39.9	.	.	.	40.7	38.0	39.8	.	39.6
S09-9618	.	40.9	.	.	.	42.1	39.5	40.7	.	40.8
TN08-101	.	42.0	.	.	.	42.4	40.6	41.4	.	41.6
TN09-016	.	39.5	.	.	.	40.0	38.3	38.3	.	39.1
TN09-029	.	39.4	.	.	.	41.1	38.5	39.1	.	39.5
V07-5775	.	39.8	.	.	.	40.3	36.5	38.9	.	38.9
V07-3209	.	40.8	.	.	.	40.2	37.5	40.5	.	39.7
V06-9723	.	41.6	.	.	.	41.3	38.3	40.7	.	40.5
Mean	.	40.8	.	.	.	41.6	38.9	40.0	.	.

TABLE 28 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	13.5	15.1	.	14.7	12.2	15.4	15.4	16.8	17.9	15.1
DK 4866	14.6	12.5	.	14.0	14.3	15.0	15.3	15.3	16.2	14.6
AG 4403	11.1	11.9	.	13.0	10.2	14.3	13.5	14.4	16.8	13.1
AG 4907	12.4	12.2	.	14.2	12.9	13.1	14.0	14.1	15.6	13.5
AG 4903	13.6	14.4	.	14.8	14.2	14.6	16.5	16.7	18.1	15.3
DS19-1	15.2	15.9	.	15.9	13.7	15.8	17.3	17.7	17.9	16.2
DS25-1	10.9	11.9	.	12.0	11.2	12.7	11.6	12.3	13.0	11.9
DS25-4	14.8	15.0	.	13.5	13.2	17.2	15.8	15.5	18.9	15.5
LS08-6332	13.8	13.8	.	16.2	13.6	15.5	15.8	16.2	17.7	15.3
Md 0708WN 13	14.1	15.6	.	15.8	13.7	16.3	17.2	17.4	18.0	16.0
R07-1685	12.6	14.4	.	14.8	10.6	13.8	14.2	15.3	15.1	13.8
R07-1882	11.6	11.6	.	13.3	13.0	13.0	13.7	15.5	15.3	13.4
R07-5351	13.0	14.6	.	15.2	13.0	14.9	13.8	16.2	15.9	14.6
R08-141	11.9	14.0	.	14.2	11.3	13.5	13.5	15.7	15.6	13.7
R08-265	13.2	13.6	.	15.6	13.2	13.5	14.4	13.4	15.6	14.0
S08-10045	11.5	11.9	.	12.1	12.0	15.2	13.8	13.3	16.6	13.3
S08-9942	11.5	12.0	.	13.5	11.4	12.7	12.8	13.5	15.5	12.9
S09-10857	14.9	14.6	.	14.5	14.5	15.3	16.4	16.8	19.1	15.7
S09-13608	13.6	13.9	.	14.8	12.2	16.1	15.6	14.9	19.3	15.0
S09-9618	13.6	14.6	.	14.5	13.0	14.3	13.8	15.7	17.2	14.6
TN08-101	13.5	14.7	.	16.0	12.1	15.1	15.7	17.4	17.9	15.3
TN09-016	11.6	13.3	.	15.7	13.2	15.5	13.7	14.4	16.2	14.2
TN09-029	10.8	12.8	.	14.7	11.9	15.0	12.4	14.7	16.3	13.6
V07-5775	9.5	9.8	.	12.4	9.5	11.2	11.4	11.8	13.2	11.1
V07-3209	14.1	13.3	.	16.2	12.3	14.1	14.6	16.1	16.7	14.7
V06-9723	12.5	13.6	.	15.2	12.7	15.0	14.1	15.3	16.9	14.4
Mean	12.8	13.5	.	14.5	12.5	14.5	14.5	15.2	16.6	.

TABLE 29 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	10/13	9/29	10/13	.	.	10/1	10/11	9/27	10/11	10/7
DK 4866	-2	-1	-3	.	.	0	0	1	-2	-1
AG 4403	-10	-5	-5	.	.	-8	-7	-7	-7	-7
AG 4907	-1	-1	0	.	.	1	0	1	-1	0
AG 4903	-5	0	3	.	.	-1	1	2	2	0
DS19-1	-5	-1	-5	.	.	-3	-1	-6	-4	-4
DS25-1	-2	-1	-6	.	.	-2	1	0	-2	-2
DS25-4	-3	-1	-4	.	.	-3	-2	-3	-4	-3
LS08-6332	-4	-2	-4	.	.	-2	-1	-1	-2	-2
Md 0708WN 13	-1	0	-6	.	.	-2	2	3	0	0
R07-1685	-2	0	-3	.	.	-2	0	0	-3	-1
R07-1882	0	-2	-4	.	.	-1	3	2	-1	0
R07-5351	3	0	-1	.	.	0	1	1	-2	0
R08-141	1	0	-1	.	.	1	1	1	1	1
R08-265	3	0	-4	.	.	0	3	1	0	0
S08-10045	-1	0	1	.	.	-2	1	1	2	0
S08-9942	-2	0	0	.	.	-2	1	-3	0	-1
S09-10857	-1	-1	-4	.	.	-1	-1	1	0	-1
S09-13608	-3	-2	-4	.	.	-4	-1	0	1	-2
S09-9618	-1	1	-2	.	.	0	-1	0	3	0
TN08-101	2	0	-2	.	.	-2	2	3	2	1
TN09-016	1	0	1	.	.	0	2	1	-2	0
TN09-029	2	-2	3	.	.	1	0	-3	1	0
V07-5775	-3	-2	-8	.	.	-3	-3	-5	-4	-4
V07-3209	-5	-2	-3	.	.	-4	-4	-7	-4	-4
V06-9723	-3	0	-5	.	.	-1	-2	-1	-4	-2
Mean	-2	-1	-2	.	.	-1	0	-1	-1	.

TABLE 30 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	27	32	32	24	28	34	24	14	28	27
DK 4866	44	43	36	26	29	44	42	32	37	37
AG 4403	43	49	31	30	29	46	40	38	32	37
AG 4907	41	49	37	29	33	48	42	33	39	39
AG 4903	44	49	39	29	32	47	41	35	35	39
DS19-1	49	54	36	31	35	54	45	40	43	43
DS25-1	45	45	37	34	39	56	41	38	43	42
DS25-4	46	42	44	33	38	57	33	36	40	41
LS08-6332	31	29	30	23	20	29	22	14	28	25
Md 0708WN 13	30	30	25	23	24	34	24	15	27	26
R07-1685	35	32	30	23	24	39	26	17	30	28
R07-1882	34	39	27	26	27	34	29	20	32	29
R07-5351	38	37	32	23	29	36	31	16	34	30
R08-141	32	43	43	34	33	47	28	25	39	36
R08-265	29	33	36	29	26	39	30	15	35	30
S08-10045	44	50	39	36	36	50	43	44	39	42
S08-9942	44	52	32	30	30	54	43	40	36	40
S09-10857	39	46	37	26	27	40	36	32	33	35
S09-13608	40	44	39	31	28	46	36	31	33	36
S09-9618	41	37	31	31	26	43	34	27	32	34
TN08-101	35	36	29	28	27	45	28	15	35	31
TN09-016	33	30	35	25	26	38	27	14	31	28
TN09-029	36	33	37	26	30	39	30	15	29	30
V07-5775	35	39	33	22	26	37	29	18	29	30
V07-3209	28	26	30	21	22	32	21	15	25	24
V06-9723	38	45	36	29	30	49	40	42	36	38
Mean	37	40	34	27	29	43	33	26	34	.

TABLE 31 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	2.0	1.0	1.0	1.0	1.0	.	1.0	1.0	2.8	1.3
DK 4866	2.0	3.0	1.0	1.0	1.0	.	2.5	2.0	2.2	1.8
AG 4403	2.0	3.0	1.0	1.0	1.0	.	2.0	2.5	1.8	1.8
AG 4907	2.0	3.5	1.0	1.0	1.0	.	2.5	1.5	1.8	1.8
AG 4903	2.0	3.5	1.0	1.0	1.0	.	3.0	2.0	2.4	2.0
DS19-1	3.0	4.0	2.0	1.0	1.0	.	3.0	3.5	3.1	2.6
DS25-1	3.0	4.0	1.0	1.0	1.0	.	3.0	3.5	4.7	2.6
DS25-4	3.0	4.5	1.5	1.0	1.0	.	3.0	4.0	4.4	2.8
LS08-6332	1.5	1.0	1.0	1.0	1.0	.	1.0	1.0	2.3	1.2
Md 0708WN 13	1.5	3.5	1.0	1.0	1.0	.	1.0	1.0	2.1	1.5
R07-1685	2.0	2.0	1.0	1.0	1.0	.	1.0	1.0	2.5	1.4
R07-1882	1.0	2.0	1.0	1.0	1.0	.	1.5	1.0	2.0	1.3
R07-5351	2.0	3.5	1.0	1.0	1.0	.	1.5	1.0	4.3	1.9
R08-141	3.5	4.0	2.5	1.0	1.0	.	1.5	2.0	4.0	2.4
R08-265	2.5	3.5	1.0	1.0	1.0	.	1.0	1.0	3.8	1.9
S08-10045	2.0	4.5	1.0	1.0	1.0	.	3.0	3.0	3.0	2.3
S08-9942	2.0	4.0	1.0	1.0	1.0	.	2.5	2.0	2.4	2.0
S09-10857	2.0	3.5	1.0	1.0	1.0	.	2.5	1.5	2.3	1.8
S09-13608	2.0	4.0	1.0	1.0	1.0	.	2.5	2.0	2.1	2.0
S09-9618	2.0	3.0	1.0	1.0	1.0	.	2.5	1.5	2.0	1.8
TN08-101	2.0	3.0	1.0	1.0	1.0	.	1.0	1.0	2.3	1.5
TN09-016	1.0	1.0	1.0	1.0	1.0	.	1.0	1.0	1.5	1.1
TN09-029	1.0	2.0	1.0	1.0	1.0	.	1.0	1.0	1.9	1.2
V07-5775	1.5	3.0	1.0	1.0	1.0	.	1.0	1.0	2.6	1.5
V07-3209	1.0	1.0	1.0	1.0	1.0	.	1.0	1.0	1.7	1.1
V06-9723	3.0	5.0	1.5	1.0	1.0	.	3.0	3.5	4.0	2.8
Mean	2.0	3.1	1.1	1.0	1.0	.	1.9	1.8	2.7	.

TABLE 32 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2011

STRAIN/ VARIETY	Dowell, IL	Jackson, TN	Keiser, AR	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
5002T	1.0	2.0	.	2.0	2.0	3.0	2.5	3.0	1.7	2.1
DK 4866	1.0	1.0	.	2.0	2.0	3.2	3.0	2.5	1.7	2.1
AG 4403	1.0	1.5	.	2.0	2.0	4.0	3.0	3.0	3.4	2.5
AG 4907	1.0	1.5	.	2.0	2.0	3.5	3.0	3.0	1.8	2.2
AG 4903	1.0	1.5	.	2.0	2.0	3.5	3.0	2.5	1.7	2.2
DS19-1	1.0	1.5	.	3.0	3.0	4.0	2.5	3.0	3.1	2.6
DS25-1	1.0	1.5	.	2.0	2.0	3.2	3.0	3.0	1.7	2.2
DS25-4	1.0	1.0	.	3.0	3.0	3.5	2.5	3.0	2.3	2.4
LS08-6332	1.5	1.0	.	2.0	3.0	3.0	3.0	2.5	1.7	2.2
Md 0708WN 13	1.0	1.0	.	2.0	3.0	3.0	3.0	3.0	1.5	2.2
R07-1685	1.0	1.0	.	2.0	2.0	2.7	3.0	2.5	1.5	2.0
R07-1882	1.5	2.0	.	2.0	3.0	2.2	2.5	3.0	1.5	2.2
R07-5351	1.0	1.0	.	2.0	2.0	2.5	3.0	3.0	1.7	2.0
R08-141	1.0	1.0	.	2.0	2.0	2.2	3.0	2.5	1.4	1.9
R08-265	1.0	1.0	.	2.0	2.0	2.2	2.5	2.5	1.4	1.8
S08-10045	1.0	1.5	.	2.0	2.0	3.5	3.0	3.0	2.4	2.3
S08-9942	1.0	1.0	.	2.0	2.0	3.5	3.0	2.5	1.4	2.0
S09-10857	1.0	1.5	.	2.0	2.0	3.5	2.5	2.0	1.7	2.0
S09-13608	1.5	1.5	.	3.0	2.0	3.7	2.5	3.0	2.7	2.5
S09-9618	1.0	1.0	.	2.0	2.0	3.5	2.5	3.0	1.8	2.1
TN08-101	1.0	1.5	.	2.0	2.0	2.7	3.5	2.5	1.5	2.1
TN09-016	1.0	1.0	.	2.0	2.0	2.5	3.5	3.0	1.5	2.1
TN09-029	1.5	1.5	.	2.0	2.0	2.5	3.5	3.0	1.7	2.2
V07-5775	1.5	1.0	.	2.0	2.0	3.5	4.0	3.0	2.2	2.4
V07-3209	1.0	1.0	.	2.0	3.0	3.5	3.5	3.0	1.9	2.4
V06-9723	1.0	1.0	.	2.0	3.0	3.2	2.5	2.5	1.7	2.1
Mean	1.1	1.3	.	2.1	2.3	3.1	2.9	2.8	1.8	.

TABLE 33 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	F_n	SPECIAL TRAITS
1	AG 5606	Commercial check		
2	5002T	Holladay X Manokin		
3	OSAGE	Hartz 5545 x KS4895		
4	JTN-5203	R93-171 x Anand	F12	SCN
5	JTN-5503	Fowler x Manokin	F13	SCN
6	DB00-087-08	DT96-6840 X S59-60	F6	
7	DB03-8416	DT96-6840 X R95-798	F6	
8	DB04-10836	DT99-16788(S59-60 x BOLIVAR [A5979 x DP3589]) X J00-2 (MANOKIN X FOWLER)	F6	
9	DB06-2257	S99-2281 W,G,T X LN97-15076	F6	
10	DB06-3442	DT98-9102 W,G,T X PARKER I	F6	
11	JTN-5108	S95-1908 x BOLIVAR-2-LOAM02	F13	SCN
12	JTN-5110	J98-32 X Anand	F9	SCN
13	JTN-5208	S96-2641 x S97-1688-8-LOAM02	F13	SCN
14	N02-417	SC91-2007 X Holladay		
15	NCC04-1555	Md97-5905 x N98-274	F4:11	
16	NCC06-2188	TN96-58xV96-0340	F4:9	
17	NCC06-579	TN96-58xDT99-16864	F4:9	
18	NCC07-1148R	V00-1988x(F2{R98-1817 x [Tn96-58 x N94-550 BC3F1RR]F4})	F4:8	
19	NCC07-7506	K1530x(NC Roy)	F4:8	
20	R04-572	MD 4900 x Ozark	F5	
21	R07-1769	R00-1551 x R00-684	F5	
22	R05-269	P9594 x Ozark	F5	
23	R05-374	Lonoke x DP4748	F5	
24	R06-4433	Lonoke x P9594	F5	
25	S05-11482	S99-2281 X S00-9985-03	F5	CONV
26	S07-2680	S99-2281 X S02-6143	F5	CONV
27	TN05-5018	5601T x 5002T		
28	V06-0245	MD 97-6065 x V95-00	F4	
29	V05-2592	R95-2210 X V94-0436	F4	
30	V05-2326	V95-0391 X N96-7211	F4	
31	V06-0283	V96-0340 X V94-1401	F4	

**TABLE 34 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST V FOR YEAR 2011**

STRAIN/ VARIETY	AVERAGE		YIELD‡			PROTEIN			OIL		
	RANK	RANK	2011	10-11	09-11	2011	10-11	09-11	2011	10-11	09-11
AG 5606	9	12	45.3	44.8	.	39.7	39.1	.	21.5	21.0	.
5002T	27	20	41.7	43.3	45.9	40.7	39.6	39.8	22.0	21.4	21.0
OSAGE	10	14	45.2	43.7	47.5	42.7	41.7	41.6	20.6	20.1	19.9
JTN-5203	28	19	41.2	.	47.0	40.3	.	40.1	21.5	.	21.1
JTN-5503	20	18	43.1	42.8	47.1	40.4	39.8	39.7	20.8	20.3	19.9
DB00-087-08	22	18	43.0	.	.	41.5	.	.	20.3	.	.
DB03-8416	12	15	44.9	.	.	42.2	.	.	21.4	.	.
DB04-10836	11	15	45.0	45.4	49.4	40.2	39.4	39.8	20.9	20.1	19.8
DB06-2257	19	17	43.3	43.8	.	40.1	39.2	.	21.5	21.1	.
DB06-3442	29	23	40.9	41.2	.	39.4	38.7	.	22.1	21.5	.
JTN-5108	15	16	44.4	.	48.4	42.1	.	41.6	20.1	.	19.6
JTN-5110	26	19	41.9	.	.	40.6	.	.	21.5	.	.
JTN-5208	31	21	40.1	.	.	42.3	.	.	19.9	.	.
N02-417	21	20	43.0	43.2	46.8	38.7	38.0	38.3	22.5	22.0	21.8
NCC04-1555	5	13	46.6	43.7	47.8	39.5	38.6	38.8	21.6	21.5	21.2
NCC06-2188	6	13	46.5	44.3	.	41.7	40.9	.	20.7	20.7	.
NCC06-579	1	10	48.8	46.8	.	41.4	40.5	.	20.6	20.0	.
NCC07-1148R	8	14	45.8	.	.	40.0	.	.	21.9	.	.
NCC07-7506	13	14	44.8	.	.	40.7	.	.	21.7	.	.
R04-572	18	17	44.0	43.6	48.4	39.9	39.2	39.4	21.4	21.1	21.0
R07-1769	16	16	44.3	.	.	39.7	.	.	22.2	.	.
R05-269	23	18	42.6	.	.	40.2	.	.	21.6	.	.
R05-374	2	10	47.7	.	.	39.7	.	.	21.6	.	.
R06-4433	7	13	45.9	45.4	.	41.1	40.2	.	20.9	20.5	.
S05-11482	14	15	44.5	45.8	49.1	40.5	39.4	39.7	21.2	20.7	20.4
S07-2680	4	11	47.0	46.4	.	40.7	40.0	.	21.1	20.8	.
TN05-5018	3	9	47.2	45.7	.	40.2	39.6	.	20.8	21.3	.
V06-0245	24	19	42.5	.	.	40.1	.	.	21.0	.	.
V05-2592	30	22	40.4	41.8	.	41.1	40.0	.	20.7	20.9	.
V05-2326	17	17	44.3	43.2	.	40.3	39.6	.	21.0	20.9	.
V06-0283	25	20	41.9	.	.	40.7	.	.	21.9	.	.
Mean	.	.	44.1	.	.	40.6	.	.	21.2	.	.
LSD(0.05)	.	.	3.4	.	.	0.7	.	.	0.4	.	.
CV(%)	.	.	17.4	.	.	1.8	.	.	1.8	.	.

‡Data not included in mean: 2011 – Belle Mina, AL; Knoxville, TN; Orange, VA; Springfield, TN
2010 – Calhoun, GA; Knoxville, TN; Springfield, TN
2009 – Rohwer, AR (only yield was omitted)

TABLE 35 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2011

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
AG 5606	0	1.9	32	2.0	15.5	W	T	T
5002T	-3	1.6	24	2.4	15.0	W	T	T
OSAGE	-2	1.3	25	1.8	13.4	W	T	T
JTN-5203	-3	1.6	25	1.9	13.2	W	G	T
JTN-5503	1	1.5	27	1.8	14.8	W	T	T
DB00-087-08	-2	2.0	27	1.8	13.7	P	T	T
DB03-8416	-1	1.8	30	1.8	16.2	P	G	T
DB04-10836	0	1.8	32	1.9	13.7	P	T	T
DB06-2257	-1	1.5	28	1.7	15.6	P	T	T
DB06-3442	-5	1.5	27	2.0	15.7	W	G	T
JTN-5108	0	1.8	28	1.8	14.2	W	T	T
JTN-5110	-1	1.5	27	1.9	14.7	P	T	T
JTN-5208	0	1.8	32	1.9	13.0	W	T	T
N02-417	0	1.3	26	1.9	17.0	P	G	T
NCC04-1555	2	1.4	27	1.9	12.7	P	T	T
NCC06-2188	-1	1.4	30	1.7	14.8	W	G	T
NCC06-579	3	1.4	31	1.9	14.9	P	G	T
NCC07-1148R	-1	1.8	34	1.8	15.9	P	G	T
NCC07-7506	-3	1.7	27	2.0	14.1	W	G	Br
R04-572	3	1.4	27	1.8	15.3	P	G	T
R07-1769	0	1.6	30	1.7	15.3	W	G	T
R05-269	-1	1.5	28	1.7	17.4	W	G	T
R05-374	-3	1.9	30	2.0	14.3	W	G	Br
R06-4433	2	1.7	28	1.8	15.1	W	G	T
S05-11482	-3	1.7	28	2.0	14.1	W	T	T
S07-2680	-1	1.6	30	1.7	15.7	W	G	T
TN05-5018	-2	1.2	26	1.9	13.3		G	T
V06-0245	0	1.4	29	1.8	12.7	P	G	T
V05-2592	-3	1.5	27	2.0	14.8	W	G	T
V05-2326	0	1.4	28	1.7	13.8	W	G	T
V06-0283	1	1.4	27	1.9	15.7	P	G	T
Mean	-1	1.6	28	1.9	14.7			
LSD(0.05)	1	0.3	2	0.3	0.7			
CV(%)	292	35.0	12	24.0	6.6			

**TABLE 36 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST V FOR YEAR 2011**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SC	SC	SDS
	1.2.5.7	0	2.5.7						GA	GA	RATING	SCORE	DX
	Race 2	Race 3	Race 5					
AG 5606	5	1	4	4.8	1.0	R	1.0	.
5002T	5	4	5	1.8	2.5	R	1.0	.
OSAGE	5	4	4	4.3	4.8	R	1.0	.
JTN-5203	1	2	1	4.5	5.0	R	1.0	.
JTN-5503	1	1	1	3.0	3.8	R	1.0	.
DB00-087-08	5	4	2	4.8	4.0	SS	3.0	.
DB03-8416	5	5	5	4.8	4.0	R	1.0	.
DB04-10836	5	1	2	3.0	1.3	R	1.0	.
DB06-2257	5	3	5	4.8	2.8	R	1.0	.
DB06-3442	5	3	4	4.3	4.8	S	5.0	.
JTN-5108	3	1	2	3.5	1.0	R	1.0	.
JTN-5110	1	1	1	4.8	4.3	R	1.0	.
JTN-5208	1	1	1	2.8	5.0	S	5.0	.
N02-417	5	4	4	3.5	1.3	R	1.0	.
NCC04-1555	5	4	5	3.5	2.0	R	1.0	.
NCC06-2188	5	5	5	4.8	3.8	R	1.0	.
NCC06-579	5	4	4	3.5	1.0	R	1.0	.
NCC07-1148R	5	4	5	3.8	4.8	R	1.0	.
NCC07-7506	5	3	5	4.8	3.5	R	1.0	.
R04-572	5	5	5	4.8	4.8	R	1.0	.
R07-1769	5	*	5	1.8	4.3	R	1.0	.
R05-269	5	3	5	4.8	3.8	S	5.0	.
R05-374	5	4	4	3.3	3.5	R	1.0	.
R06-4433	5	4	5	3.5	3.3	MS	4.0	.
S05-11482	1	2	1	2.0	1.3	S	5.0	.
S07-2680	3	1	2	3.8	1.3	R	1.0	.
TN05-5018	5	4	5	3.3	3.3	R	1.0	.
V06-0245	5	1	4	2.5	2.3	MS	4.0	.
V05-2592	5	4	4	3.8	3.3	R	1.0	.
V05-2326	5	4	5	4.0	3.5	S	5.0	.
V06-0283	5	4	5	5.0	5.0	R	1.0	.

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
AG 5606	75.5	61.3	72.1	49.3	64.6
5002T	70.4	62.7	74.4	59.4	66.7
OSAGE	69.6	62.9	71.6	69.5	67.9
JTN-5203	64.1	62.0	73.0	53.4	63.1
JTN-5503	75.0	52.4	63.9	58.4	62.4
DB00-087-08	72.6	65.5	71.9	48.7	64.7
DB03-8416	70.9	64.6	73.1	69.8	69.6
DB04-10836	68.5	67.0	69.3	55.7	65.1
DB06-2257	73.2	57.0	71.4	51.6	63.3
DB06-3442	67.5	58.6	66.6	56.1	62.2
JTN-5108	64.7	63.1	63.4	59.2	62.6
JTN-5110	69.7	62.8	67.9	52.8	63.3
JTN-5208	57.6	64.0	58.3	49.1	57.2
N02-417	67.9	63.0	68.7	46.4	61.5
NCC04-1555	77.9	61.2	67.3	65.9	67.8
NCC06-2188	71.9	63.4	71.3	65.0	67.9
NCC06-579	76.1	65.4	72.1	70.6	71.0
NCC07-1148R	73.0	59.9	74.0	68.3	68.8
NCC07-7506	75.3	57.1	76.7	60.0	67.3
R04-572	71.2	61.3	68.7	55.9	64.2
R07-1769	76.5	60.3	73.4	61.4	67.9
R05-269	69.5	63.3	72.8	51.9	64.4
R05-374	73.3	64.2	76.1	62.5	69.0
R06-4433	76.0	61.0	73.3	63.4	68.4
S05-11482	79.8	60.0	71.8	63.7	68.8
S07-2680	69.0	64.8	71.3	61.1	66.5
TN05-5018	75.0	61.6	75.8	55.2	66.8
V06-0245	67.6	54.0	69.4	55.9	61.7
V05-2592	70.1	50.8	69.8	44.8	58.9
V05-2326	68.3	58.9	70.6	58.6	64.1
V06-0283	72.7	55.5	73.0	47.0	62.0
Mean	71.3	61.0	70.7	57.8	65.2
LSD(0.05)	6.8	7.8	3.9	14.6	6.3
CV(%)	5.7	7.9	3.4	15.3	9.7

TABLE 37 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(A)	Plymouth, NC(B)	Suffolk, VA	Warsaw, VA	Area Mean
AG 5606	49.8	45.3	51.1	71.6	54.4
5002T	43.6	37.6	46.9	71.1	49.8
OSAGE	43.7	48.1	49.1	69.4	52.5
JTN-5203	42.9	52.0	43.3	68.8	51.7
JTN-5503	44.1	46.5	42.3	64.2	49.3
DB00-087-08	45.8	36.8	49.0	68.6	50.1
DB03-8416	34.1	42.8	53.6	68.6	49.8
DB04-10836	43.3	44.3	57.8	64.5	52.5
DB06-2257	45.0	39.8	48.8	72.5	51.5
DB06-3442	42.1	36.9	46.1	65.0	47.5
JTN-5108	43.3	44.3	46.8	65.2	49.9
JTN-5110	46.5	45.8	42.4	65.9	50.2
JTN-5208	44.1	29.8	40.7	54.9	42.4
N02-417	41.9	38.6	50.8	68.1	49.8
NCC04-1555	50.8	33.2	53.9	68.2	51.5
NCC06-2188	46.2	36.8	52.0	66.0	50.3
NCC06-579	52.1	39.3	50.5	74.6	54.1
NCC07-1148R	40.9	34.6	55.4	68.7	49.9
NCC07-7506	48.8	46.3	52.6	71.3	54.7
R04-572	45.7	39.8	46.9	65.5	49.5
R07-1769	47.0	38.4	48.9	66.2	50.1
R05-269	47.2	39.7	47.6	69.1	50.9
R05-374	53.2	46.7	51.2	71.4	55.6
R06-4433	48.1	44.3	53.2	73.6	54.8
S05-11482	51.4	41.4	54.1	66.6	53.4
S07-2680	48.4	42.4	56.3	70.0	54.3
TN05-5018	48.6	46.1	58.4	75.7	57.2
V06-0245	42.2	41.0	48.5	68.3	50.0
V05-2592	47.4	34.4	46.5	65.4	48.4
V05-2326	46.9	43.3	52.2	66.3	52.2
V06-0283	44.8	37.5	54.4	67.2	51.0
Mean	45.8	41.1	50.0	68.1	51.3
LSD(0.05)	5.6	7.5	8.9	7.5	5.3
CV(%)	7.5	11.2	10.9	6.8	10.4

TABLE 37 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2011

South

STRAIN/ VARIETY	Belle Mina, ‡	Jackson,	Knoxville, ‡	Orange, ‡	Princeton,	Springfield, ‡	Starkville,	Area Mean
	AL	TN	TN	VA	KY	TN	MS	
AG 5606	27.5	46.6	25.8	24.4	57.3	22.4	51.5	51.8
5002T	37.8	37.5	15.6	17.1	48.8	18.6	48.4	44.9
OSAGE	37.5	42.3	36.5	26.0	53.0	17.1	50.1	48.5
JTN-5203	26.6	50.5	18.4	29.7	52.0	19.1	26.5	42.2
JTN-5503	35.1	44.2	39.7	34.3	52.5	10.0	47.6	48.1
DB00-087-08	27.7	40.9	28.8	32.6	49.2	19.2	48.4	46.1
DB03-8416	31.3	42.3	33.6	34.8	49.6	13.8	48.1	46.7
DB04-10836	41.9	26.8	11.0	34.8	49.2	21.1	50.5	43.7
DB06-2257	38.5	35.1	16.3	31.5	52.5	22.4	43.6	43.9
DB06-3442	29.5	38.2	23.1	24.2	46.7	15.2	50.6	45.2
JTN-5108	38.2	46.6	18.0	41.4	52.2	18.1	38.6	46.2
JTN-5110	37.8	44.3	11.9	37.6	49.6	14.9	46.5	46.6
JTN-5208	33.4	38.8	24.9	26.5	48.2	22.7	45.9	44.3
N02-417	34.6	40.6	27.7	33.8	55.5	15.4	43.9	46.7
NCC04-1555	38.5	34.9	40.8	28.4	61.8	17.7	39.7	45.5
NCC06-2188	35.8	46.3	30.8	40.2	66.2	21.1	43.3	51.9
NCC06-579	34.9	42.2	41.5	32.7	64.1	28.9	49.4	51.9
NCC07-1148R	34.3	44.9	24.4	34.3	59.8	23.5	50.2	51.6
NCC07-7506	34.6	41.8	10.3	32.5	58.6	22.1	51.5	50.6
R04-572	35.9	47.2	22.2	21.1	61.6	23.2	48.5	52.4
R07-1769	45.7	37.8	15.1	24.2	63.4	17.8	46.5	49.2
R05-269	27.3	36.2	10.8	24.7	58.1	25.3	49.3	47.9
R05-374	40.3	38.7	49.0	23.8	54.7	21.5	51.8	48.6
R06-4433	40.9	43.8	17.3	41.2	63.0	15.3	47.4	51.4
S05-11482	33.0	34.5	16.7	34.0	46.2	19.2	56.7	45.8
S07-2680	34.1	49.6	31.9	32.8	62.5	23.3	49.5	53.6
TN05-5018	30.4	47.5	9.9	40.1	54.7	22.6	52.7	51.5
V06-0245	33.9	43.7	12.3	32.8	49.0	23.6	42.1	44.7
V05-2592	41.8	34.3	11.0	24.4	45.1	25.3	44.8	41.4
V05-2326	42.9	40.1	22.8	23.8	49.1	26.1	44.1	44.3
V06-0283	31.2	45.6	26.2	19.2	48.2	27.0	41.9	44.9
Mean	35.3	41.4	23.4	30.3	54.3	20.4	46.8	47.5
LSD(0.05)	12.0	10.9	29.1	16.6	9.0	13.6	9.1	8.9
CV(%)	20.8	14.1	75.0	33.5	10.2	40.7	11.8	14.8

‡Data not included in mean.

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
AG 5606	32.7	20.1	32.4	28.4
5002T	24.4	12.9	23.4	20.3
OSAGE	30.6	17.2	23.0	23.6
JTN-5203	26.9	20.9	14.3	20.7
JTN-5503	26.3	21.1	18.9	22.1
DB00-087-08	25.0	15.3	27.8	22.7
DB03-8416	27.7	13.1	36.8	25.9
DB04-10836	30.3	21.5	43.6	31.8
DB06-2257	29.3	17.5	31.8	26.2
DB06-3442	28.3	18.9	22.6	23.3
JTN-5108	29.5	22.9	41.2	31.2
JTN-5110	22.8	19.9	16.1	19.6
JTN-5208	29.8	26.6	27.1	27.8
N02-417	24.9	14.7	37.0	25.5
NCC04-1555	35.0	20.7	45.3	33.7
NCC06-2188	23.5	21.3	36.5	27.1
NCC06-579	25.9	15.0	43.2	28.1
NCC07-1148R	24.4	13.4	40.6	26.1
NCC07-7506	24.3	18.0	24.5	22.3
R04-572	28.5	15.5	32.6	25.5
R07-1769	29.4	16.2	29.7	25.1
R05-269	27.5	15.5	28.6	23.9
R05-374	32.9	19.3	25.7	26.0
R06-4433	24.1	15.2	25.4	21.6
S05-11482	30.7	21.1	20.1	24.0
S07-2680	28.1	18.5	34.5	27.1
TN05-5018	33.0	23.2	40.0	32.1
V06-0245	30.1	18.6	31.0	26.6
V05-2592	25.1	14.9	29.8	23.3
V05-2326	28.3	16.9	37.0	27.4
V06-0283	23.4	15.3	25.8	21.5
Mean	27.8	18.1	30.5	25.5
LSD(0.05)	4.4	4.2	4.1	8.3
CV(%)	9.6	14.1	8.2	21.7

TABLE 38 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Kinston, NC(A)	Orange, VA	Plymouth, NC(B)	Portageville, MO(A)	Princeton, KY	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	20.7	22.1	21.0	22.2	20.8	21.4	22.3	21.8	21.5
5002T	21.8	22.5	21.5	22.5	21.0	21.7	22.5	22.3	22.0
OSAGE	19.6	21.0	19.9	20.8	20.0	20.9	21.5	21.0	20.6
JTN-5203	20.5	22.3	21.6	21.6	20.8	21.8	21.8	21.7	21.5
JTN-5503	20.6	21.1	20.2	21.1	19.6	21.1	21.5	21.2	20.8
DB00-087-08	20.3	21.1	19.8	20.6	18.9	20.1	21.0	20.5	20.3
DB03-8416	20.9	21.2	21.4	21.8	21.5	21.6	21.1	21.7	21.4
DB04-10836	20.3	21.1	20.1	21.4	20.4	20.6	22.2	21.4	20.9
DB06-2257	20.0	22.1	20.5	22.7	21.0	21.4	22.2	22.5	21.5
DB06-3442	21.5	22.6	21.3	23.0	21.8	20.7	23.1	22.4	22.1
JTN-5108	19.6	20.7	19.5	20.8	19.3	20.4	20.0	20.8	20.1
JTN-5110	20.5	22.0	21.3	21.3	20.6	21.7	22.5	21.8	21.5
JTN-5208	19.5	19.9	20.4	20.1	18.8	20.4	19.6	20.5	19.9
N02-417	22.2	22.9	21.9	22.7	21.9	22.8	23.1	22.9	22.5
NCC04-1555	21.3	21.6	20.8	22.7	20.4	22.0	22.4	21.6	21.6
NCC06-2188	20.5	20.6	20.1	20.9	20.2	21.3	20.9	20.8	20.7
NCC06-579	20.2	20.5	20.1	20.7	20.1	21.3	21.0	21.0	20.6
NCC07-1148R	22.3	21.6	20.9	22.3	21.5	22.2	22.4	22.2	21.9
NCC07-7506	21.0	22.1	21.1	22.0	21.6	21.7	22.1	21.9	21.7
R04-572	21.6	21.9	20.9	21.7	21.0	21.2	21.4	21.9	21.4
R07-1769	21.6	22.6	21.6	22.7	21.8	22.5	22.1	22.5	22.2
R05-269	21.0	22.0	20.9	22.0	20.9	21.9	22.2	22.2	21.6
R05-374	20.0	22.0	20.4	22.7	21.0	21.6	22.2	22.7	21.6
R06-4433	20.2	21.1	20.1	21.4	20.4	21.4	21.6	21.4	20.9
S05-11482	19.6	21.5	20.7	21.5	21.0	21.0	22.5	21.7	21.2
S07-2680	19.8	21.4	20.7	21.7	20.9	21.2	21.2	22.0	21.1
TN05-5018	19.9	21.0	20.5	21.4	20.2	21.1	21.6	21.1	20.8
V06-0245	20.7	21.0	20.5	21.7	20.0	21.6	21.1	21.7	21.0
V05-2592	19.1	21.0	20.3	21.5	20.3	21.0	21.4	20.9	20.7
V05-2326	20.5	21.2	20.3	21.6	20.3	20.4	21.4	21.9	21.0
V06-0283	20.9	22.1	21.2	22.4	21.8	22.0	22.2	22.4	21.9
Mean	20.6	21.5	20.7	21.7	20.6	21.4	21.7	21.7	.

TABLE 39 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Kinston, NC(A)	Orange, VA	Plymouth, NC(B)	Portageville, MO(A)	Princeton, KY	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	40.1	40.0	39.3	41.2	38.5	39.0	39.6	40.3	39.7
5002T	42.3	40.0	39.9	41.9	39.9	40.3	40.7	40.3	40.7
OSAGE	45.2	43.2	41.7	44.2	42.5	40.3	41.7	42.6	42.7
JTN-5203	41.2	38.6	38.6	41.5	40.7	39.6	41.0	40.8	40.3
JTN-5503	40.4	40.5	39.5	41.8	41.3	39.7	39.4	40.2	40.4
DB00-087-08	42.2	41.1	40.6	43.7	42.1	40.7	40.4	41.5	41.5
DB03-8416	42.9	43.5	40.7	43.1	40.8	40.6	43.9	42.3	42.2
DB04-10836	41.9	41.2	39.8	41.5	39.6	39.1	38.7	40.2	40.2
DB06-2257	42.0	40.0	40.9	40.3	39.7	38.6	39.5	39.4	40.1
DB06-3442	41.0	38.4	38.7	40.9	37.7	40.1	39.0	39.6	39.4
JTN-5108	43.0	42.5	41.7	43.2	41.9	40.3	41.8	42.1	42.1
JTN-5110	41.8	40.0	39.6	42.1	41.6	39.6	39.5	40.8	40.6
JTN-5208	42.0	43.1	40.8	44.5	42.8	40.4	42.0	42.6	42.3
N02-417	40.0	38.0	38.4	39.6	39.1	37.2	39.1	38.4	38.7
NCC04-1555	41.1	39.1	39.3	39.8	39.9	37.5	39.3	40.1	39.5
NCC06-2188	41.8	42.0	41.5	42.8	40.7	41.0	42.0	41.6	41.7
NCC06-579	41.4	42.5	41.0	43.3	40.2	39.6	41.2	41.8	41.4
NCC07-1148R	39.6	41.3	39.7	41.4	39.0	38.5	39.5	40.8	40.0
NCC07-7506	41.9	41.0	39.7	41.9	39.5	39.3	41.6	40.7	40.7
R04-572	40.5	39.3	39.6	41.3	39.2	38.6	40.9	39.6	39.9
R07-1769	40.3	39.8	39.2	41.4	38.6	38.7	40.3	39.5	39.7
R05-269	41.3	41.1	39.9	41.3	40.3	37.8	39.4	40.2	40.2
R05-374	41.6	40.0	39.2	40.6	38.5	38.0	39.9	39.9	39.7
R06-4433	41.1	42.0	41.4	42.6	40.9	39.8	39.9	41.4	41.1
S05-11482	42.6	40.8	39.6	42.2	38.3	40.5	40.2	40.0	40.5
S07-2680	41.9	40.4	39.4	41.6	39.8	40.2	41.3	40.8	40.7
TN05-5018	42.4	40.0	39.6	40.1	39.9	38.6	40.7	40.0	40.2
V06-0245	40.6	40.3	40.0	41.0	40.2	38.7	40.3	39.9	40.1
V05-2592	43.0	41.8	40.0	41.5	39.8	41.2	41.0	40.6	41.1
V05-2326	40.4	40.9	40.5	40.7	39.9	39.9	40.3	40.2	40.3
V06-0283	42.3	40.5	40.2	41.5	40.5	39.9	40.9	40.1	40.7
Mean	41.6	40.7	40.0	41.8	40.1	39.5	40.5	40.6	.

TABLE 40 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Keiser, AR	Kinston, NC(A)	Knoxville, TN	McCune, KS	Orange, VA	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(A)	Portageville, MO(B)	Princeton, KY	Springfield, TN	Starkville, MS	Stillwater, OK	Stuttgart, AR	Suffolk, VA	Warsaw, VA	Test Mean
AG 5606	.	12.4	.	16.9	14.1	15.0	16.8	12.7	15.9	15.2	15.1	16.0	.	.	12.9	17.0	19	17.8	15.5
5002T	.	12.2	.	15.9	14.7	15.3	15.6	13.1	16.4	15.6	15.4	14.0	.	.	10.8	16.4	18	17.2	15.0
OSAGE	.	10.7	.	14.2	11.9	14.5	13.8	12.7	13.4	12.8	13.4	13.0	.	.	11.2	15.0	16.2	15.2	13.4
JTN-5203	.	10.2	.	12.9	12.3	14.1	13.5	11.3	13.4	12.3	12.6	15.0	.	.	11.0	14.4	16.3	15.1	13.2
JTN-5503	.	13.0	.	14.8	13.9	15.5	14.9	13.8	16.3	14.1	14.4	14.0	.	.	13.3	15.7	18	16.0	14.8
DB00-087-08	.	10.5	.	13.5	11.8	13.4	14.4	13.1	14.1	13.0	14.7	15.0	.	.	11.6	14.7	15.8	15.7	13.7
DB03-8416	.	14.0	.	16.0	14.8	16.0	14.9	14.3	16.9	15.3	15.1	19.0	.	.	14.3	18.7	20.5	17.7	16.2
DB04-10836	.	11.4	.	13.6	11.3	13.3	13.2	13.6	14.0	12.3	13.4	17.0	.	.	13.3	13.6	16.8	15.6	13.7
DB06-2257	.	11.6	.	14.4	14.2	17.0	15.0	15.4	15.9	15.5	15.6	15.0	.	.	15.1	17.6	19.1	16.7	15.6
DB06-3442	.	11.8	.	16.0	14.1	15.2	15.7	13.6	17.7	14.6	15.3	17.0	.	.	12.7	17.2	20.4	18.5	15.7
JTN-5108	.	12.7	.	15.0	12.8	14.0	13.7	13.3	14.2	13.0	13.5	17.0	.	.	13.3	15.0	16.3	15.4	14.2
JTN-5110	.	11.7	.	15.1	14.9	15.2	13.5	12.9	16.2	14.7	14.8	14.0	.	.	12.1	15.0	18.5	17.0	14.7
JTN-5208	.	9.8	.	11.6	12.7	13.5	15.4	12.9	11.3	12.5	12.1	14.0	.	.	13.4	14.2	15.2	13.4	13.0
N02-417	.	14.0	.	15.4	16.1	17.5	17.3	15.6	15.7	16.8	16.8	18.0	.	.	14.9	18.7	21.7	18.9	17.0
NCC04-1555	.	10.7	.	11.8	11.2	12.6	15.0	11.2	12.6	12.5	12.8	12.0	.	.	12.6	14.3	14.9	13.2	12.7
NCC06-2188	.	12.4	.	15.6	14.0	15.4	13.6	13.9	15.2	14.9	15.4	14.0	.	.	12.5	17.1	17	16.4	14.8
NCC06-579	.	12.1	.	13.6	13.1	16.1	15.9	14.3	13.8	14.8	14.6	16.0	.	.	14.0	17.2	18.3	15.4	14.9
NCC07-1148R	.	14.1	.	15.6	14.3	15.4	15.8	14.4	15.0	15.6	16.5	17.0	.	.	12.7	16.7	20.7	18.8	15.9
NCC07-7506	.	11.0	.	14.4	16.9	14.0	14.0	11.8	14.1	13.3	14.9	13.0	.	.	9.9	17.2	17.6	15.9	14.1
R04-572	.	13.8	.	14.5	14.6	15.1	15.5	13.7	14.5	14.9	15.6	17.0	.	.	12.7	18.3	17.3	16.2	15.3
R07-1769	.	10.9	.	14.4	14.3	16.0	15.8	13.9	15.6	14.6	16.0	15.0	.	.	12.5	17.7	19.8	17.4	15.3
R05-269	.	13.1	.	19.0	16.3	17.2	16.8	13.4	19.2	17.7	18.0	17.0	.	.	13.7	19.7	21.4	21.0	17.4
R05-374	.	9.6	.	14.6	14.3	15.4	15.0	12.3	15.1	14.1	13.9	15.0	.	.	10.6	15.4	18	17.5	14.3
R06-4433	.	11.6	.	14.5	13.8	15.8	15.2	14.3	15.6	14.2	14.5	17.0	.	.	14.0	16.7	18.1	16.4	15.1
S05-11482	.	9.1	.	14.5	12.3	16.3	15.4	12.7	15.5	13.1	13.5	14.0	.	.	10.8	16.3	17.1	16.1	14.1
S07-2680	.	11.5	.	16.5	14.5	17.3	15.2	16.7	15.7	15.7	15.3	17.0	.	.	13.2	17.7	15.3	18.8	15.7
TN05-5018	.	9.3	.	12.8	11.9	14.5	15.6	12.6	13.1	12.7	12.8	17.0	.	.	10.7	14.7	15.2	14.0	13.3
V06-0245	.	9.7	.	11.7	12.9	13.0	14.5	12.2	12.3	11.4	12.3	14.0	.	.	11.0	13.1	14.9	14.3	12.7
V05-2592	.	10.1	.	16.1	13.6	14.0	15.2	13.9	16.0	13.5	14.2	15.0	.	.	13.5	16.5	18.8	17.0	14.8
V05-2326	.	10.4	.	13.3	12.8	15.9	14.4	13.1	14.2	13.7	13.8	12.0	.	.	11.7	15.5	17.4	14.7	13.8
V06-0283	.	11.5	.	14.8	15.4	17.2	16.0	15.9	14.6	15.6	16.6	15.0	.	.	14.2	16.6	19.6	17.3	15.7
Mean	.	11.5	.	14.6	13.7	15.2	15.0	13.5	14.9	14.2	14.6	15.3	.	.	12.6	16.3	17.8	16.5	.

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
AG 5606	10/22	10/10	10/16	10/1	10/12
5002T	-3	-6	-4	-2	-4
OSAGE	-2	-4	-1	-1	-2
JTN-5203	-3	-5	-1	-4	-3
JTN-5503	1	-1	1	-1	0
DB00-087-08	-2	-5	0	-1	-2
DB03-8416	-2	-3	-1	0	-1
DB04-10836	-1	1	0	1	0
DB06-2257	-3	-5	0	0	-2
DB06-3442	-1	-6	-4	-7	-5
JTN-5108	-2	-3	0	-1	-1
JTN-5110	0	-4	0	0	-1
JTN-5208	1	0	1	-2	0
N02-417	-2	1	2	-1	0
NCC04-1555	-2	4	2	2	1
NCC06-2188	-1	-2	1	0	-1
NCC06-579	-1	3	2	1	1
NCC07-1148R	-2	-1	0	-5	-2
NCC07-7506	-1	-5	-1	-3	-2
R04-572	1	2	2	0	1
R07-1769	-1	-3	1	0	-1
R05-269	-3	-2	0	-1	-1
R05-374	-5	-4	-1	-2	-3
R06-4433	-1	0	2	1	1
S05-11482	-4	-7	-2	-1	-3
S07-2680	-2	-4	-1	-3	-2
TN05-5018	-3	-5	-1	-1	-2
V06-0245	-2	-2	0	1	-1
V05-2592	-2	-5	-1	-3	-3
V05-2326	-1	-3	0	-1	-1
V06-0283	-2	0	2	3	1
Mean	-2	-2	0	-1	-1

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(A)	Plymouth, NC(B)	Warsaw, VA	Area Mean
AG 5606	10/17	10/9	10/17	10/14
5002T	1	-6	-6	-4
OSAGE	1	-4	-2	-2
JTN-5203	-1	-3	-2	-2
JTN-5503	7	2	-2	2
DB00-087-08	1	0	-3	-1
DB03-8416	3	1	-3	0
DB04-10836	-1	2	2	1
DB06-2257	0	1	-4	-1
DB06-3442	-2	-7	-9	-6
JTN-5108	1	2	-1	0
JTN-5110	1	2	-2	0
JTN-5208	-1	-3	-2	-2
N02-417	-1	-2	1	0
NCC04-1555	4	0	4	2
NCC06-2188	1	-1	-2	-1
NCC06-579	7	3	4	4
NCC07-1148R	1	-2	0	0
NCC07-7506	1	-4	-6	-3
R04-572	1	1	4	2
R07-1769	-1	-3	1	-1
R05-269	1	1	-1	1
R05-374	-1	-4	-3	-3
R06-4433	4	6	1	4
S05-11482	-1	-4	-6	-4
S07-2680	0	0	-2	-1
TN05-5018	0	-1	-4	-2
V06-0245	-1	-1	-1	-1
V05-2592	-2	-1	-5	-2
V05-2326	1	2	-1	0
V06-0283	0	0	2	1
Mean	1	-1	-2	-1

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Springfield, TN	Area Mean
AG 5606	9/30	10/3	10/12	10/31	10/14	10/12
5002T	3	-6	-8	0	0	-2
OSAGE	-2	-1	-5	0	2	-1
JTN-5203	-6	-3	-7	0	0	-3
JTN-5503	1	5	-4	0	3	1
DB00-087-08	-2	-4	-7	0	0	-3
DB03-8416	-4	2	-6	0	0	-2
DB04-10836	-1	2	-3	0	0	0
DB06-2257	2	-3	-4	0	0	-1
DB06-3442	-5	-6	-9	0	0	-4
JTN-5108	0	5	-3	0	1	1
JTN-5110	1	-3	-6	0	3	-1
JTN-5208	2	3	0	0	2	1
N02-417	1	3	-4	0	3	1
NCC04-1555	2	5	-1	0	0	1
NCC06-2188	-3	1	-7	0	0	-2
NCC06-579	1	6	1	.	-1	2
NCC07-1148R	1	2	-6	0	1	0
NCC07-7506	-2	-5	-8	0	0	-3
R04-572	3	11	3	0	4	4
R07-1769	5	-1	-5	0	0	0
R05-269	-2	-3	-3	0	0	-1
R05-374	1	-5	-6	0	-1	-2
R06-4433	1	5	-2	0	1	1
S05-11482	-5	-6	-8	0	1	-4
S07-2680	2	-3	-7	0	4	-1
TN05-5018	-5	-6	-7	0	2	-3
V06-0245	-1	0	-3	0	2	0
V05-2592	-4	-6	-7	0	0	-3
V05-2326	1	-1	-5	0	2	0
V06-0283	-1	1	-1	.	2	1
Mean	0	0	-5	0	1	-1

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

West

STRAIN/ VARIETY	Stillwater, OK	Area Mean
AG 5606	10/15	10/15
5002T	-3	-3
OSAGE	0	0
JTN-5203	-7	-7
JTN-5503	5	5
DB00-087-08	-3	-3
DB03-8416	4	4
DB04-10836	5	5
DB06-2257	0	0
DB06-3442	-3	-3
JTN-5108	3	3
JTN-5110	-3	-3
JTN-5208	3	3
N02-417	-3	-3
NCC04-1555	3	3
NCC06-2188	-3	-3
NCC06-579	4	4
NCC07-1148R	-3	-3
NCC07-7506	-3	-3
R04-572	0	0
R07-1769	4	4
R05-269	0	0
R05-374	-3	-3
R06-4433	4	4
S05-11482	-3	-3
S07-2680	0	0
TN05-5018	0	0
V06-0245	4	4
V05-2592	0	0
V05-2326	4	4
V06-0283	0	0
Mean	0	0

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
AG 5606	34	30	31	20	29
5002T	25	23	26	15	22
OSAGE	27	23	25	16	23
JTN-5203	26	20	26	14	21
JTN-5503	27	25	29	17	25
DB00-087-08	29	28	30	21	27
DB03-8416	31	33	33	26	31
DB04-10836	32	36	37	25	32
DB06-2257	29	24	30	18	25
DB06-3442	27	24	28	16	24
JTN-5108	31	30	29	21	28
JTN-5110	29	25	29	19	26
JTN-5208	34	33	39	25	33
N02-417	22	27	27	20	24
NCC04-1555	29	24	29	18	25
NCC06-2188	32	26	30	23	28
NCC06-579	36	26	31	23	29
NCC07-1148R	41	34	34	29	35
NCC07-7506	28	20	30	17	24
R04-572	30	24	28	18	25
R07-1769	31	27	31	23	28
R05-269	28	22	30	18	25
R05-374	30	27	33	21	28
R06-4433	31	28	30	17	27
S05-11482	29	22	31	16	25
S07-2680	34	26	33	18	28
TN05-5018	29	21	29	15	24
V06-0245	35	24	31	15	26
V05-2592	26	22	28	20	24
V05-2326	28	24	31	19	25
V06-0283	30	22	28	15	24
Mean	30	26	30	19	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(A)	Plymouth, NC(B)	Suffolk, VA	Warsaw, VA	Area Mean
AG 5606	36	42	31	40	37
5002T	28	28	29	29	29
OSAGE	29	34	25	28	29
JTN-5203	40	34	27	30	31
JTN-5503	32	35	26	31	31
DB00-087-08	28	35	26	33	31
DB03-8416	38	40	32	33	35
DB04-10836	39	47	32	37	38
DB06-2257	32	35	32	31	33
DB06-3442	30	38	28	30	32
JTN-5108	29	39	28	30	32
JTN-5110	23	34	29	35	31
JTN-5208	38	44	36	35	38
N02-417	35	34	25	28	30
NCC04-1555	32	34	30	29	31
NCC06-2188	26	40	33	33	34
NCC06-579	33	41	29	36	35
NCC07-1148R	44	44	38	35	40
NCC07-7506	31	32	28	33	31
R04-572	33	35	27	28	30
R07-1769	34	41	31	31	34
R05-269	33	35	31	32	33
R05-374	25	37	31	39	34
R06-4433	32	35	30	34	33
S05-11482	29	36	28	32	32
S07-2680	33	38	29	35	34
TN05-5018	26	33	28	29	29
V06-0245	33	37	31	33	34
V05-2592	30	32	28	32	31
V05-2326	31	38	29	32	33
V06-0283	26	35	29	29	30
Mean	32	37	30	32	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
AG 5606	31	43	29	18	44	30	.	33
5002T	30	30	19	13	35	25	.	25
OSAGE	28	33	22	17	34	23	.	26
JTN-5203	29	33	21	16	39	21	.	26
JTN-5503	28	33	24	20	37	20	.	27
DB00-087-08	29	32	24	22	37	24	.	28
DB03-8416	28	37	25	20	39	20	.	28
DB04-10836	32	38	24	23	44	22	.	31
DB06-2257	32	38	25	19	38	25	.	29
DB06-3442	30	38	24	20	38	20	.	28
JTN-5108	28	34	25	24	38	22	.	28
JTN-5110	29	33	23	20	37	29	.	29
JTN-5208	34	38	27	18	41	24	.	30
N02-417	29	34	20	20	36	20	.	26
NCC04-1555	31	37	23	16	37	24	.	28
NCC06-2188	35	42	28	23	44	23	.	33
NCC06-579	29	42	29	21	44	28	.	32
NCC07-1148R	33	49	31	22	45	29	.	35
NCC07-7506	30	38	22	19	34	31	.	29
R04-572	31	37	23	15	38	28	.	29
R07-1769	28	40	25	17	37	26	.	29
R05-269	31	39	24	17	40	23	.	29
R05-374	30	42	31	16	37	25	.	30
R06-4433	29	38	27	19	36	24	.	29
S05-11482	28	36	27	16	39	31	.	30
S07-2680	32	38	24	20	41	26	.	30
TN05-5018	31	34	20	18	37	27	.	28
V06-0245	29	35	23	24	42	30	.	31
V05-2592	28	35	24	18	39	27	.	28
V05-2326	32	38	22	17	41	24	.	29
V06-0283	30	37	26	17	36	29	.	29
Mean	30	37	25	19	39	25	.	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
AG 5606	31	33	16	27
5002T	23	24	12	20
OSAGE	22	26	14	21
JTN-5203	22	23	14	20
JTN-5503	26	28	15	23
DB00-087-08	24	28	13	22
DB03-8416	24	31	14	23
DB04-10836	27	30	15	24
DB06-2257	24	29	13	22
DB06-3442	28	29	13	23
JTN-5108	24	27	13	21
JTN-5110	22	26	12	20
JTN-5208	30	32	15	26
N02-417	22	24	14	20
NCC04-1555	27	28	15	23
NCC06-2188	28	30	15	25
NCC06-579	29	30	16	25
NCC07-1148R	27	35	17	27
NCC07-7506	25	26	16	22
R04-572	24	28	15	22
R07-1769	31	32	18	27
R05-269	24	27	15	22
R05-374	29	30	21	27
R06-4433	25	28	18	24
S05-11482	27	27	14	23
S07-2680	30	30	20	27
TN05-5018	24	28	16	23
V06-0245	26	25	17	23
V05-2592	25	29	16	23
V05-2326	25	25	20	23
V06-0283	23	25	13	21
Mean	26	28	15	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
AG 5606	1.3	1.3	2.0	1.3	1.5
5002T	1.0	1.0	1.3	1.0	1.1
OSAGE	1.0	1.0	1.0	1.0	1.0
JTN-5203	1.0	2.0	1.0	1.0	1.3
JTN-5503	1.0	1.0	1.0	1.0	1.0
DB00-087-08	1.0	2.0	2.3	1.7	1.8
DB03-8416	1.0	1.7	1.7	2.0	1.6
DB04-10836	1.0	2.0	2.0	1.3	1.6
DB06-2257	1.0	1.0	2.3	1.0	1.3
DB06-3442	1.0	1.0	1.3	1.0	1.1
JTN-5108	1.0	2.0	2.0	1.0	1.5
JTN-5110	1.0	1.0	1.7	1.0	1.2
JTN-5208	1.0	1.3	2.3	2.0	1.7
N02-417	1.0	1.0	1.3	1.0	1.1
NCC04-1555	1.0	1.0	1.7	1.0	1.2
NCC06-2188	1.0	1.0	1.7	1.0	1.2
NCC06-579	1.0	1.0	1.3	1.0	1.1
NCC07-1148R	1.0	1.7	2.0	2.0	1.7
NCC07-7506	1.3	1.0	2.0	1.0	1.3
R04-572	1.0	1.0	1.7	1.0	1.2
R07-1769	1.0	1.0	2.0	1.0	1.3
R05-269	1.0	1.0	1.5	1.0	1.1
R05-374	1.0	1.0	2.3	1.7	1.5
R06-4433	1.0	1.0	1.3	1.0	1.1
S05-11482	1.0	1.0	2.0	1.0	1.3
S07-2680	1.0	1.3	1.7	1.3	1.3
TN05-5018	1.0	1.0	1.0	1.0	1.0
V06-0245	1.0	1.0	1.7	1.0	1.2
V05-2592	1.0	1.0	1.0	1.0	1.0
V05-2326	1.0	1.3	1.3	1.0	1.2
V06-0283	1.0	1.0	1.3	1.0	1.1
Mean	1.0	1.2	1.6	1.2	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(A)	Plymouth, NC(B)	Suffolk, VA	Warsaw, VA	Area Mean
AG 5606	3.0	.	2.3	3.0	2.7
5002T	2.0	.	1.5	2.7	2.1
OSAGE	2.0	.	1.5	1.6	1.6
JTN-5203	1.5	.	1.5	1.9	1.7
JTN-5503	3.0	.	1.5	2.9	2.3
DB00-087-08	2.5	.	2.0	4.6	3.2
DB03-8416	4.0	.	2.0	2.9	2.7
DB04-10836	3.0	.	1.7	2.9	2.4
DB06-2257	2.0	.	1.7	2.5	2.1
DB06-3442	2.0	.	1.5	3.8	2.5
JTN-5108	3.0	.	1.5	3.3	2.5
JTN-5110	2.0	.	1.5	3.1	2.3
JTN-5208	3.0	.	2.0	3.2	2.6
N02-417	2.0	.	1.5	2.0	1.8
NCC04-1555	2.0	.	1.3	2.2	1.8
NCC06-2188	2.5	.	1.5	2.2	2.0
NCC06-579	2.0	.	1.7	2.3	2.0
NCC07-1148R	3.0	.	2.2	2.5	2.4
NCC07-7506	2.0	.	2.0	3.3	2.5
R04-572	2.0	.	1.3	1.6	1.5
R07-1769	3.0	.	1.5	2.5	2.1
R05-269	3.0	.	1.8	2.2	2.2
R05-374	2.0	.	1.8	3.2	2.4
R06-4433	2.5	.	2.2	3.3	2.7
S05-11482	2.5	.	1.5	3.0	2.3
S07-2680	2.0	.	1.5	3.4	2.4
TN05-5018	1.5	.	1.3	1.6	1.5
V06-0245	2.0	.	1.3	1.9	1.7
V05-2592	3.0	.	2.0	2.8	2.5
V05-2326	2.0	.	1.3	2.3	1.9
V06-0283	2.0	.	1.8	2.0	1.9
Mean	2.4	.	1.7	2.7	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
AG 5606	3.0	1.3	1.7	1.0	3.7	1.0	.	1.9
5002T	3.7	1.3	1.3	1.0	2.3	1.0	.	1.8
OSAGE	2.3	1.0	1.0	1.0	1.7	1.0	.	1.3
JTN-5203	3.0	1.3	1.0	1.0	4.0	1.0	.	1.9
JTN-5503	2.3	2.7	1.0	1.3	1.3	1.0	.	1.6
DB00-087-08	3.3	3.3	2.0	1.0	1.3	1.0	.	2.0
DB03-8416	3.3	1.7	1.0	1.0	2.0	1.0	.	1.7
DB04-10836	3.0	1.3	1.0	1.0	3.3	1.0	.	1.8
DB06-2257	2.3	1.0	1.0	1.0	3.0	1.0	.	1.6
DB06-3442	3.3	2.0	1.0	1.0	1.0	1.0	.	1.6
JTN-5108	2.3	3.0	1.0	1.7	2.0	1.0	.	1.8
JTN-5110	3.0	1.7	1.0	1.0	1.7	1.0	.	1.6
JTN-5208	3.0	3.7	1.0	1.0	1.3	1.0	.	1.8
N02-417	2.7	1.0	1.0	1.0	1.0	1.0	.	1.3
NCC04-1555	2.0	1.3	1.0	1.0	2.3	1.0	.	1.4
NCC06-2188	2.0	1.7	1.0	1.0	1.0	1.0	.	1.3
NCC06-579	2.7	1.7	1.0	1.0	2.0	1.0	.	1.6
NCC07-1148R	2.3	3.0	1.3	1.0	2.3	1.0	.	1.8
NCC07-7506	3.3	2.7	1.0	1.0	1.7	1.0	.	1.8
R04-572	1.7	1.3	1.0	1.0	3.7	1.0	.	1.6
R07-1769	3.3	1.3	1.3	1.0	2.3	1.0	.	1.7
R05-269	2.0	1.0	1.0	1.0	2.7	1.0	.	1.4
R05-374	3.0	2.0	2.0	1.0	4.0	1.0	.	2.2
R06-4433	4.0	1.7	1.0	1.0	2.0	1.0	.	1.8
S05-11482	3.3	3.0	1.0	1.0	2.3	1.0	.	1.9
S07-2680	2.0	2.0	1.0	1.0	2.7	1.0	.	1.6
TN05-5018	2.3	1.0	1.0	1.0	1.3	1.0	.	1.3
V06-0245	3.0	1.3	1.0	1.0	1.0	1.0	.	1.4
V05-2592	2.7	1.3	1.3	1.0	2.0	1.0	.	1.6
V05-2326	2.7	1.3	1.3	1.0	1.7	1.0	.	1.5
V06-0283	2.0	1.3	1.0	1.0	2.0	1.0	.	1.4
Mean	2.7	1.8	1.1	1.0	2.2	1.0	.	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
AG 5606	1.0	1.0	.	1.0
5002T	1.0	1.0	.	1.0
OSAGE	1.0	1.0	.	1.0
JTN-5203	1.0	1.0	.	1.0
JTN-5503	1.0	1.0	.	1.0
DB00-087-08	1.0	1.0	.	1.0
DB03-8416	1.0	1.0	.	1.0
DB04-10836	1.0	1.0	.	1.0
DB06-2257	1.0	1.0	.	1.0
DB06-3442	1.0	1.0	.	1.0
JTN-5108	1.0	1.0	.	1.0
JTN-5110	1.0	1.0	.	1.0
JTN-5208	1.0	1.0	.	1.0
N02-417	1.0	1.0	.	1.0
NCC04-1555	1.0	1.0	.	1.0
NCC06-2188	1.0	1.0	.	1.0
NCC06-579	1.0	1.0	.	1.0
NCC07-1148R	1.0	1.0	.	1.0
NCC07-7506	1.0	1.0	.	1.0
R04-572	1.0	1.0	.	1.0
R07-1769	1.0	1.3	.	1.2
R05-269	1.0	1.0	.	1.0
R05-374	1.0	1.0	.	1.0
R06-4433	1.0	1.0	.	1.0
S05-11482	1.0	1.0	.	1.0
S07-2680	1.0	1.0	.	1.0
TN05-5018	1.0	1.0	.	1.0
V06-0245	1.0	1.0	.	1.0
V05-2592	1.0	1.0	.	1.0
V05-2326	1.0	1.0	.	1.0
V06-0283	1.0	1.0	.	1.0
Mean	1.0	1.0	.	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Portageville, MO(A)	Portageville, MO(B)	Stuttgart, AR	Area Mean
AG 5606	.	3.0	3.7	2.0	3.1
5002T	.	3.0	3.3	2.5	3.1
OSAGE	.	2.3	3.7	2.5	2.9
JTN-5203	.	3.0	3.0	2.0	2.9
JTN-5503	.	3.0	3.3	2.0	3.0
DB00-087-08	.	3.0	2.3	2.5	2.6
DB03-8416	.	3.0	3.0	2.0	2.9
DB04-10836	.	3.3	3.0	2.0	3.0
DB06-2257	.	2.3	3.0	2.0	2.6
DB06-3442	.	2.3	2.0	2.0	2.1
JTN-5108	.	2.0	3.3	1.5	2.5
JTN-5110	.	3.7	3.3	2.0	3.3
JTN-5208	.	3.3	4.0	1.5	3.4
N02-417	.	3.3	2.7	2.0	2.9
NCC04-1555	.	2.7	4.3	2.0	3.3
NCC06-2188	.	2.7	2.0	1.5	2.2
NCC06-579	.	2.7	4.0	2.0	3.1
NCC07-1148R	.	2.3	3.0	3.0	2.7
NCC07-7506	.	3.7	3.0	2.0	3.1
R04-572	.	3.0	2.3	2.0	2.6
R07-1769	.	3.0	2.0	2.0	2.4
R05-269	.	2.3	2.0	3.0	2.3
R05-374	.	2.7	3.7	2.0	3.0
R06-4433	.	2.7	3.0	2.0	2.7
S05-11482	.	2.7	3.0	2.5	2.8
S07-2680	.	2.7	2.0	2.0	2.3
TN05-5018	.	2.7	3.0	3.0	2.9
V06-0245	.	3.3	3.0	2.0	3.0
V05-2592	.	3.7	3.7	2.0	3.4
V05-2326	.	2.3	2.3	2.0	2.3
V06-0283	.	3.0	3.0	2.0	2.9
Mean	.	2.9	3.0	2.1	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(A)	Plymouth, NC(B)	Suffolk, VA	Warsaw, VA	Area Mean
AG 5606	.	1.2	2.3	1.5	1.7
5002T	.	2.7	1.5	1.9	2.0
OSAGE	.	1.3	1.5	1.3	1.4
JTN-5203	.	1.5	1.5	1.9	1.6
JTN-5503	.	1.3	1.5	1.6	1.5
DB00-087-08	.	1.2	2.0	1.5	1.6
DB03-8416	.	1.5	2.0	1.5	1.7
DB04-10836	.	1.0	1.7	1.6	1.4
DB06-2257	.	1.5	1.7	1.3	1.5
DB06-3442	.	2.5	1.5	1.9	2.0
JTN-5108	.	1.0	1.5	1.6	1.4
JTN-5110	.	1.3	1.5	1.8	1.5
JTN-5208	.	1.5	2.0	1.3	1.6
N02-417	.	1.5	1.5	1.7	1.6
NCC04-1555	.	1.5	1.3	1.4	1.4
NCC06-2188	.	1.5	1.5	1.9	1.6
NCC06-579	.	1.2	1.7	1.5	1.4
NCC07-1148R	.	1.3	2.2	1.7	1.7
NCC07-7506	.	1.8	2.0	1.6	1.8
R04-572	.	1.5	1.3	1.5	1.4
R07-1769	.	1.3	1.5	1.6	1.5
R05-269	.	1.2	1.8	1.5	1.5
R05-374	.	1.5	1.8	1.8	1.7
R06-4433	.	1.5	2.2	1.6	1.8
S05-11482	.	2.0	1.5	1.8	1.8
S07-2680	.	1.5	1.5	1.9	1.6
TN05-5018	.	1.5	1.3	1.6	1.5
V06-0245	.	1.5	1.3	1.5	1.4
V05-2592	.	1.5	2.0	1.9	1.8
V05-2326	.	1.3	1.3	1.5	1.4
V06-0283	.	1.3	1.8	1.8	1.7
Mean	.	1.5	1.7	1.6	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

South

STRAIN/ VARIETY	Belle Mina, AL	Jackson, TN	Knoxville, TN	Orange, VA	Princeton, KY	Springfield, TN	Starkville, MS	Area Mean
AG 5606	.	1.3	1.5	1.0	2.0	.	.	1.4
5002T	.	2.0	2.0	1.0	4.0	.	.	1.9
OSAGE	.	1.0	1.3	1.3	1.0	.	.	1.2
JTN-5203	.	1.0	1.8	1.0	1.0	.	.	1.3
JTN-5503	.	1.0	1.0	1.0	1.0	.	.	1.0
DB00-087-08	.	1.0	1.7	1.0	1.0	.	.	1.2
DB03-8416	.	1.0	1.5	1.0	1.0	.	.	1.2
DB04-10836	.	1.3	1.5	1.0	3.0	.	.	1.5
DB06-2257	.	1.3	1.3	1.0	1.0	.	.	1.2
DB06-3442	.	1.0	1.7	1.3	3.0	.	.	1.5
JTN-5108	.	1.0	1.3	1.0	2.0	.	.	1.2
JTN-5110	.	1.3	1.7	1.0	1.0	.	.	1.3
JTN-5208	.	1.0	1.5	1.0	2.0	.	.	1.3
N02-417	.	1.7	1.5	1.0	2.0	.	.	1.5
NCC04-1555	.	1.0	1.7	1.0	2.0	.	.	1.3
NCC06-2188	.	1.0	1.3	1.0	2.0	.	.	1.2
NCC06-579	.	1.0	1.3	1.7	2.0	.	.	1.4
NCC07-1148R	.	1.0	1.5	1.0	1.0	.	.	1.2
NCC07-7506	.	1.3	1.7	1.0	1.0	.	.	1.3
R04-572	.	1.0	1.7	1.3	2.0	.	.	1.4
R07-1769	.	1.0	1.7	1.0	1.0	.	.	1.2
R05-269	.	1.0	1.7	1.0	1.0	.	.	1.2
R05-374	.	1.7	1.5	1.0	2.0	.	.	1.5
R06-4433	.	1.0	1.0	1.0	2.0	.	.	1.1
S05-11482	.	1.0	1.8	1.0	3.0	.	.	1.5
S07-2680	.	1.3	1.3	1.3	1.0	.	.	1.3
TN05-5018	.	1.0	1.7	1.0	2.0	.	.	1.3
V06-0245	.	1.0	1.5	1.0	2.0	.	.	1.3
V05-2592	.	1.3	1.3	1.0	1.0	.	.	1.2
V05-2326	.	1.0	1.5	1.0	2.0	.	.	1.3
V06-0283	.	1.7	1.3	1.0	1.0	.	.	1.3
Mean	.	1.2	1.5	1.1	1.7	.	.	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2011

West

STRAIN/ VARIETY	McCune, KS	Pittsburg, KS	Stillwater, OK	Area Mean
AG 5606	2.0	2.0	.	2.0
5002T	3.0	3.0	.	3.0
OSAGE	2.0	2.0	.	2.0
JTN-5203	3.0	2.0	.	2.5
JTN-5503	2.0	2.0	.	2.0
DB00-087-08	2.0	2.0	.	2.0
DB03-8416	2.0	2.0	.	2.0
DB04-10836	2.0	2.0	.	2.0
DB06-2257	2.0	2.0	.	2.0
DB06-3442	2.0	3.0	.	2.5
JTN-5108	3.0	2.0	.	2.5
JTN-5110	2.0	2.0	.	2.0
JTN-5208	2.0	2.0	.	2.0
N02-417	2.0	2.0	.	2.0
NCC04-1555	2.0	2.0	.	2.0
NCC06-2188	2.0	2.0	.	2.0
NCC06-579	2.0	2.0	.	2.0
NCC07-1148R	2.0	2.0	.	2.0
NCC07-7506	2.0	2.0	.	2.0
R04-572	2.0	2.0	.	2.0
R07-1769	2.0	2.0	.	2.0
R05-269	2.0	2.0	.	2.0
R05-374	2.0	2.0	.	2.0
R06-4433	2.0	2.0	.	2.0
S05-11482	2.0	2.0	.	2.0
S07-2680	2.0	2.0	.	2.0
TN05-5018	2.0	2.0	.	2.0
V06-0245	2.0	2.0	.	2.0
V05-2592	2.0	2.0	.	2.0
V05-2326	2.0	2.0	.	2.0
V06-0283	2.0	2.0	.	2.0
Mean	2.1	2.1	.	.

INTENTIONALLY BLANK

TABLE 45 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1 AG 5606	Commercial check		
2 5002T	Holladay X Manokin		
3 OSAGE	Hartz 5545 x KS4895		
4 JTN-5203	R93-171 x Anand	F12	SCN
5 JTN-5503	Fowler x Manokin	F13	SCN
6 DB2004x45-391	DB00-141 x Macon	F6	
7 CM4022	5601T x PI 547879	F4	Rust resistance
8 DB05x23-26	FREEDOM X DS95-217-1-880	F6	
9 DB05x039-22	DB00- 087 X MD02-5634	F6	
10 DB05x039-36	DB00- 087 X MD02-5634	F6	
11 DB05x039-5	DB00- 087 X MD02-5634	F6	
12 DS5-67	Williams 82 x Ankur	F5	Rust resistance, Exotic
13 JTN-5111	PI 437655 x 5601T	F9	unique SCN, Exotic
14 JTN-5207	J98-32 X DT96-6840	F9	SCN
15 JTN-5209	PI 567516C x 5601T	F9	unique SCN, Exotic
16 JTN-5211	PI 507471 x Hutcheson	F7	SCN, Exotic
17 K08-5997	K1639-2/U98-311422	F4	
18 K09-5546	5002T / KS5004N	F4	
19 K09-5553	5002T / KS5004N	F4	
20 K09-5624	DS4-SCN05 / 5601T	F4	
21 K09-5667	DS4-SCN05 / 5601T	F4	
22 Md 0708WN 21	R01-3474F x Md 00-6015	F5	Diversity
23 Md 0708WN 93	Md 99-6226 x R01-3474F	F5	Diversity
24 Md 08-5141	S02-2259 x Md 00-6015	F5	Diversity
25 N06-523	N99-510 X G98-1053		
26 N08-147	N99-186 X TN99-117		
27 N08-174	N99-186 X TN99-117		
28 N08-93	N99-186 X TN99-117		
29 N09-13659	GRAHx8597	F4	Diversity
30 NCC05-456	TN96-58xDelsoy 5710	F4:10	
31 NCC07-7496	K1530x(NC Roy)	F4:8	
32 NCC07-7714	K1530x(NC Roy)	F4:8	
33 NCC07-8693	R99-2070x(Md 00-6015)	F4:8	
34 NCC07-8792	R99-2070x(Md 00-6015)	F4:8	
35 R04-1268RR	R96-3427 x 98601	F5	
36 R06-1270	Lonoke x PI 88310	F5	
37 R07-1857	R01-2373 x R01-315	F5	
38 R07-6654	Lonoke x R00-33	F5	
39 R08-47	5601T x R00-1940	F5	
40 R08-991	S97-1688 x Caviness-RR	F5	
41 S08-9727	S04-8952 X S03-1904		RR,SCN
42 S08-9936	R00-1194F X S03-383RR		RR,SCN
43 S09-14162	S04-11681 x S04-12412	F5	CONV
44 S09-14199	S04-11681 x S04-12412	F5	CONV
45 S09-18186	S04-11681 X S04-8882	F5	CONV
46 S09-9838	S04-10364 X S04-12978	F5	DIV,STS,CONV
47 TN07-700	LS97-1610 x TN02-225		
48 TN07-754	5601T x 5002T		
49 TN09-008	Fowler x Anand		
50 TN09-168	MD00-5326 x HC99-2846		
51 TN09-242	S98-1375 x TN02-225		
52 V07-5944	V96-4174 x (RR BC2 F1)	F4	small seed
53 V07-9330	V99-0376 x V96-0340	F4	Pro
54 V07-9387	V96-0340 x R98-1817	F4	Rsv1
55 V07-9496	S99-2281 x R98-1817	F4	SCN

**TABLE 46 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST V FOR YEAR 2011**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LOGGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5					
AG 5606	49.2	17	22	0	1.9	33	2.2	16.3	40.2	21.7	3	1	3	R	1	W	T	T
5002T	47.5	36	28	-5	1.5	25	2.4	15.6	41.0	22.1	5	3	5	R	1	W	T	T
OSAGE	48.5	25	22	-3	1.2	27	1.8	13.5	43.1	20.6	3	3	4	R	1	W	T	T
JTN-5203	48.3	27	26	-3	1.4	27	1.9	13.5	40.8	21.4	1	2	1	R	1	W	G	T
JTN-5503	47.9	30	30	1	1.9	29	1.9	15.0	40.6	20.8	1	1	1	R	1	W	T	T
DB2004x45-391	43.3	51	34	-6	2.4	36	2.4	16.8	41.5	22.0	5	3	4	MR	2	W	G	Br
CM4022	40.0	53	48	0	2.8	45	1.9	15.8	41.6	21.4	5	2	.	R	1	W	G	T
DB05x023-26	49.7	11	19	0	1.7	28	2.0	13.9	40.2	21.0	5	1	5	R	1	W	T	T
DB05x039-22	48.4	26	25	-2	2.0	28	1.7	13.6	41.5	20.5	5	4	5	MS	4	P	T	T
DB05x039-36	48.2	28	27	-1	2.5	31	1.8	13.5	41.6	20.4	5	4	5	R	1	P	T	T
DB05x039-5	48.9	19	26	-2	1.5	25	2.0	17.0	40.3	21.8	4	3	5	R	1	P	T	T
DS5-67	37.0	55	51	3	2.2	32	1.9	15.6	42.3	21.0	4	3	.	R	1	W	T	T
JTN-5111	38.5	54	46	2	2.7	34	2.2	12.7	40.3	19.6	4	.	3	R	1	W	G	Br
JTN-5207	44.8	48	38	1	2.0	35	2.0	16.1	41.6	21.1	1	1	2	R	1	W	T	T
JTN-5209	36.7	56	48	1	1.8	31	2.0	10.2	43.8	17.8	4	3	3	R	1	W	G	T
JTN-5211	41.5	52	47	-2	1.8	30	1.9	14.5	40.6	21.8	5	5	5	R	1	W	G	T
K08-5997	46.8	38	31	-3	1.3	25	2.1	15.7	41.4	20.7	5	1	.	MS	4	P	G	T
K09-5546	50.2	7	17	-4	1.9	27	2.0	14.8	40.2	22.4	2	2	4	R	1	W	G	T
K09-5553	48.5	23	26	-5	1.7	27	2.4	15.0	40.5	22.5	3	4	5	R	1	W	G	T
K09-5624	47.5	35	29	-5	1.4	28	2.0	14.7	42.1	21.3	4	1	5	R	1	W	S	T
K09-5667	49.5	15	23	-4	1.7	28	2.1	14.3	41.6	20.9	4	3	5	R	1	W	G	Br
Md 0708WN 21	50.7	4	19	-1	1.7	28	1.8	14.6	39.5	21.7	5	4	5	R	1	P	G	T
Md 0708WN 93	50.7	5	22	-1	1.2	24	2.0	15.5	41.7	22.2	5	4	5	R	1	P	G	T
Md 08-5141	50.0	9	23	0	1.6	26	2.3	13.2	39.9	22.0	4	1	5	R	1	P	G	T
N06-523	47.7	32	28	1	2.0	32	2.1	14.1	40.2	21.4	5	3	5	R	1	W	T	T
N08-147	48.8	20	23	3	2.0	30	2.1	18.0	38.9	22.6	5	4	5	MS	4	P	T	T
N08-174	46.8	37	31	3	1.4	29	1.9	16.0	40.0	21.4	5	4	5	R	1	P	T	T
N08-93	48.0	29	25	0	1.8	26	1.9	14.4	40.2	21.6	4	4	5	S	5	P	G	T
N09-13659	46.4	39	35	-1	1.7	30	2.0	14.4	40.3	21.5	5	4	5	S	5	P	G	Br
NCC05-456	48.7	21	26	-1	1.5	33	1.9	13.9	41.7	20.8	1	1	2	R	1	W	T	T
NCC07-7496	49.4	16	22	-5	1.2	26	1.9	14.7	40.7	22.1	4	3	5	S	5	W	G	T
NCC07-7714	51.1	3	16	-6	1.4	28	2.4	12.9	40.0	22.4	4	1	5	R	1	W	G	Br
NCC07-8693	48.7	22	24	-2	1.3	26	2.3	13.5	39.9	22.1	4	4	5	S	5	S	G	T
NCC07-8792	47.6	34	30	-2	1.3	24	2.3	14.1	39.9	21.4	4	4	5	S	5	W	G	T
R04-1268RR	44.9	47	37	-2	1.9	32	2.0	13.3	40.1	21.0	5	4	5	MS	4	W	G	T
R06-1270	46.1	42	35	2	1.9	33	2.0	14.5	33.1	16.7	5	1	5	R	1	W	G	T
R07-1857	49.7	12	20	0	1.4	26	2.1	15.4	41.7	21.0	5	1	5	R	1	S	G	T
R07-6654	49.8	10	19	0	2.1	27	1.9	12.5	42.4	21.3	5	1	5	R	1	W	G	T
R08-47	52.4	2	13	-2	1.5	28	2.1	13.8	41.9	20.5	5	1	5	R	1	P	G	T
R08-991	44.5	49	41	-4	2.2	35	2.0	11.7	41.3	20.6	5	2	5	R	1	W	G	T
S08-9727	47.6	33	26	-1	1.8	38	1.9	13.5	39.2	22.6	5	1	4	MS	4	W	T	T
S08-9936	45.3	45	36	-1	2.1	42	2.0	16.0	40.1	22.5	5	1	5	R	1	W	T	T
S09-14162	49.6	14	23	-1	1.5	27	1.9	15.4	42.1	20.6	2	1	4	R	1	W	G	T
S09-14199	49.2	18	23	2	2.0	32	2.1	17.0	41.8	21.0	3	2	.	R	1	W	T	T
S09-18186	49.7	13	23	0	2.7	41	2.2	14.3	42.0	21.2	5	1	.	R	1	W	G	T
S09-9838	46.2	40	31	-4	2.1	41	2.5	17.3	40.5	21.4	5	3	5	R	1	W	T	Br
TN07-700	48.5	24	25	-4	1.7	26	2.1	15.8	40.5	22.2	5	4	5	R	1	W	T	T
TN07-754	50.5	6	20	-4	1.4	25	2.0	14.8	41.1	21.4	5	4	5	R	1	W	G	T
TN09-008	52.5	1	12	0	1.4	30	2.1	16.4	38.8	21.7	2	2	1	MR	2	P	T	T
TN09-168	50.0	8	20	1	1.8	39	2.0	15.2	39.6	21.9	3	3	3	R	1	P	S	T
TN09-242	44.9	46	38	-2	2.0	42	1.9	15.1	39.9	21.8	2	3	4	S	5	P	S	T
V07-5944	44.1	50	36	-5	1.3	26	2.1	9.5	41.6	20.1	5	3	4	S	5	W	G	T
V07-9330	47.8	31	27	-4	1.2	27	2.0	14.7	40.3	22.1	5	4	4	R	1	P	G	T
V07-9387	46.1	41	30	-2	1.6	28	2.0	12.5	39.0	21.5	5	4	5	R	1	P	G	T
V07-9496	45.9	43	36	-6	2.0	29	2.2	12.0	41.2	21.2	5	4	4	S	5	P	G	T
V07-9390	45.4	44	38	-3	1.3	26	2.0	15.2	40.5	22.1	4	3	.	R	1	P	G	T
Mean	47.3	.	.	-2	1.8	30	2.1	14.5	40.7	21.3	.	.	.	.	.	.	.	.
LSD(0.05)	4.6	.	.	2	.	3	0.4	1.0	3.2	1.7	.	.	.	.	.	.	.	.
CV(%)	11.9	.	.	-166	.	14	22.7	6.7	6.3	6.3	.	.	.	.	.	.	.	.

TABLE 47 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart,‡ AR	Warsaw, VA	Test Mean
AG 5606	46.8	79.7	41.0	25.1	21.4	38.4	72.6	55.6	68.8	49.9
5002T	38.5	76.3	37.2	19.1	21.6	46.6	71.9	39.4	68.8	46.6
OSAGE	43.6	54.9	44.9	27.4	22.0	48.0	70.1	58.4	76.8	49.6
JTN-5203	36.2	68.9	41.1	24.4	24.9	48.9	67.1	55.3	74.5	48.9
JTN-5503	44.2	72.3	39.9	25.2	20.6	47.2	67.0	45.6	66.9	47.7
DB2004x45-391	44.0	44.2	34.6	32.0	21.7	32.4	69.1	55.7	68.2	44.2
CM4022	34.5	55.3	31.7	24.4	18.6	29.5	66.1	47.5	60.3	40.9
DB05x023-23-26	45.7	76.7	40.9	28.8	25.0	45.8	68.9	52.1	66.1	50.0
DB05x039-22	47.8	72.5	42.2	22.7	21.2	40.5	72.2	41.7	67.9	47.6
DB05x039-36	45.1	72.8	38.0	24.9	17.8	43.5	76.0	66.0	67.2	49.5
DB05x039-5	42.5	74.6	49.9	22.9	22.5	38.3	68.9	63.7	71.4	50.0
DS5-67	43.4	52.5	27.3	21.7	14.9	31.3	58.5	45.1	46.2	37.9
JTN-5111	37.2	58.7	24.4	23.9	26.2	28.9	50.7	43.1	58.1	39.0
JTN-5207	44.8	66.2	37.8	23.5	24.4	37.2	63.7	45.9	61.2	45.0
JTN-5209	34.2	55.8	25.2	25.5	22.0	31.6	48.4	31.9	50.6	36.1
JTN-5211	37.0	65.6	40.4	15.8	13.6	29.2	68.0	37.1	62.7	41.0
K08-5997	52.0	68.7	37.8	20.0	13.0	41.4	69.4	49.4	72.4	47.1
K09-5546	49.7	71.4	45.6	26.1	22.9	42.2	72.4	36.9	71.5	48.8
K09-5553	48.6	71.6	40.0	25.2	18.5	42.9	69.2	53.3	72.2	49.1
K09-5624	45.1	70.2	37.7	29.6	25.7	35.3	66.1	45.8	70.5	47.3
K09-5667	45.7	70.6	46.4	21.5	28.5	43.3	66.1	41.9	74.3	48.7
Md 0708WN 21	49.0	83.5	35.6	26.7	20.4	42.1	75.3	70.8	73.3	53.0
Md 0708WN 93	50.2	77.3	34.2	19.7	14.6	55.0	74.3	60.1	80.4	51.8
Md 08-5141	53.5	80.1	36.8	20.2	18.5	41.6	71.5	48.7	77.6	49.8
N06-523	48.2	67.9	40.4	28.7	28.8	33.2	66.0	33.9	68.4	46.2
N08-147	43.9	76.2	38.9	27.8	22.1	39.1	70.7	61.2	72.0	50.2
N08-174	47.8	70.9	33.5	31.8	18.1	35.4	68.4	35.8	68.9	45.6
N08-93	46.0	75.4	41.1	26.0	20.5	35.5	71.3	64.9	68.6	49.3
N09-13659	45.9	71.7	33.4	19.1	16.6	45.6	68.3	38.7	70.5	45.5
NCC05-456	43.9	68.0	40.4	27.0	28.3	40.5	67.0	47.6	74.2	48.6
NCC07-7496	44.3	71.9	35.5	29.4	20.8	44.0	69.7	45.6	79.5	49.0
NCC07-7714	44.0	75.8	38.9	27.4	25.9	46.1	71.7	35.8	79.0	49.4
NCC07-8693	41.9	73.6	36.6	27.9	23.7	45.7	68.9	45.4	71.0	48.3
NCC07-8792	36.1	72.8	40.4	23.3	20.0	45.4	68.6	58.0	73.6	48.7
R04-1268RR	39.1	68.7	36.9	27.0	22.9	30.0	67.5	60.7	66.9	46.2
R06-1270	46.4	71.3	30.9	23.0	20.5	40.0	69.6	58.3	67.1	47.1
R07-1857	56.1	75.1	40.7	25.7	26.0	39.3	72.2	38.2	62.6	48.8
R07-6654	53.1	74.1	41.1	31.1	22.5	39.5	69.7	73.8	67.3	51.6
R08-47	49.0	81.6	44.6	29.4	22.7	45.6	68.4	29.2	77.4	50.4
R08-991	40.4	66.1	41.2	19.1	17.7	39.0	67.9	48.9	64.2	45.0
S08-9727	38.4	69.1	40.0	28.8	25.3	37.3	73.8	58.6	68.4	48.5
S08-9936	40.9	72.5	34.6	25.8	23.6	31.9	68.3	47.4	64.7	45.5
S09-14162	46.7	76.0	33.0	21.2	22.5	51.0	70.6	25.0	75.7	46.8
S09-14199	53.8	73.4	43.4	25.6	18.5	40.8	70.5	66.9	67.7	50.6
S09-18186	40.4	80.4	48.8	30.8	24.9	38.2	67.3	69.8	67.0	51.9
S09-9838	42.1	73.5	41.6	21.3	21.7	33.6	72.9	55.3	62.8	46.8
TN07-700	53.8	66.8	34.5	29.2	15.3	41.0	70.8	43.4	76.9	48.0
TN07-754	55.0	75.8	43.3	28.7	21.1	37.6	67.6	43.5	74.8	49.9
TN09-008	54.2	77.0	41.0	28.8	27.9	47.1	66.1	63.7	78.1	53.8
TN09-168	48.2	74.3	39.4	24.3	24.0	41.6	70.7	64.7	77.5	51.2
TN09-242	44.0	68.3	37.4	21.3	24.7	29.3	67.9	53.3	66.5	45.8
V07-5944	30.9	68.4	34.5	31.6	23.0	35.4	59.5	9.0	69.4	40.2
V07-9330	47.3	71.8	43.9	20.0	24.3	42.4	61.7	25.5	70.6	45.3
V07-9387	49.0	64.7	42.1	27.6	22.0	32.2	69.4	32.1	62.3	44.6
V07-9496	44.1	68.2	33.7	26.1	20.2	37.9	59.4	30.7	77.4	44.2
V07-9390	46.6	71.7	39.0	21.1	15.8	38.2	63.9	36.6	67.0	44.4
Mean	45.0	70.6	38.5	25.2	21.7	39.6	68.0	48.1	69.4	47.3
LSD(0.05)	13.3	9.0	7.3	4.6	5.5	9.3	6.6	28.9	11.5	5.5
CV(%)	14.5	6.4	9.5	9.1	12.7	11.7	4.9	26.2	8.3	15.0

‡Data not included in mean.

TABLE 48 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	21.5	.	22.1	.	.	22.1	20.8	22.0	.	21.7
5002T	22.0	.	21.8	.	.	22.7	21.5	22.6	.	22.1
OSAGE	20.1	.	20.7	.	.	21.1	20.3	20.9	.	20.6
JTN-5203	20.5	.	21.4	.	.	21.8	21.4	22.0	.	21.4
JTN-5503	20.4	.	20.8	.	.	21.4	19.8	21.6	.	20.8
DB2004x45-391	21.8	.	21.6	.	.	22.5	22.1	22.0	.	22.0
CM4022	21.5	.	21.4	.	.	21.7	20.6	22.1	.	21.4
DB05x023-26	20.6	.	20.9	.	.	21.3	20.3	21.7	.	21.0
DB05x039-22	20.4	.	20.3	.	.	20.7	20.2	20.8	.	20.5
DB05x039-36	21.0	.	20.2	.	.	20.9	20.0	20.2	.	20.4
DB05x039-5	20.7	.	21.6	.	.	22.8	21.4	22.6	.	21.8
DS5-67	21.2	.	21.0	.	.	21.7	19.9	20.8	.	21.0
JTN-5111	19.6	.	19.3	.	.	20.0	19.0	20.0	.	19.6
JTN-5207	20.9	.	20.7	.	.	21.4	20.4	22.3	.	21.1
JTN-5209	17.8	.	17.5	.	.	18.2	18.1	17.5	.	17.8
JTN-5211	21.7	.	22.2	.	.	22.0	21.6	21.4	.	21.8
K08-5997	20.8	.	20.1	.	.	21.2	20.3	21.2	.	20.7
K09-5546	22.2	.	22.8	.	.	22.5	21.7	22.7	.	22.4
K09-5553	22.3	.	22.2	.	.	23.0	22.0	23.2	.	22.5
K09-5624	20.5	.	21.3	.	.	21.7	21.3	21.6	.	21.3
K09-5667	20.1	.	21.2	.	.	21.5	20.6	21.0	.	20.9
Md 0708WN 21	21.4	.	21.9	.	.	22.5	20.9	21.7	.	21.7
Md 0708WN 93	21.9	.	21.9	.	.	22.8	22.2	22.3	.	22.2
Md 08-5141	21.8	.	22.0	.	.	22.5	21.6	22.1	.	22.0
N06-523	21.6	.	21.2	.	.	21.8	20.2	22.1	.	21.4
N08-147	22.5	.	22.9	.	.	23.2	21.9	22.4	.	22.6
N08-174	21.4	.	21.3	.	.	21.8	21.0	21.6	.	21.4
N08-93	21.5	.	21.6	.	.	22.1	21.2	21.7	.	21.6
N09-13659	21.6	.	21.5	.	.	21.8	20.9	21.7	.	21.5
NCC05-456	20.9	.	20.4	.	.	21.5	20.0	21.1	.	20.8
NCC07-7496	20.2	.	23.0	.	.	22.7	22.5	22.1	.	22.1
NCC07-7714	22.1	.	22.1	.	.	22.5	22.5	22.7	.	22.4
NCC07-8693	21.8	.	21.6	.	.	22.3	21.3	23.6	.	22.1
NCC07-8792	21.5	.	20.7	.	.	22.2	20.7	21.7	.	21.4
R04-1268RR	20.7	.	21.2	.	.	21.6	20.2	21.4	.	21.0
R06-1270	21.2	.	20.9	.	.	21.2	20.4	0.0	.	16.7
R07-1857	20.7	.	20.5	.	.	21.3	20.6	21.8	.	21.0
R07-6654	21.6	.	21.4	.	.	21.1	21.0	21.6	.	21.3
R08-47	19.2	.	20.8	.	.	21.7	20.2	20.5	.	20.5
R08-991	18.7	.	20.4	.	.	21.2	21.2	21.6	.	20.6
S08-9727	22.6	.	22.1	.	.	23.0	22.5	23.0	.	22.6
S08-9936	23.0	.	21.8	.	.	23.0	22.5	22.4	.	22.5
S09-14162	20.2	.	20.5	.	.	20.8	20.6	20.7	.	20.6
S09-14199	21.2	.	20.8	.	.	21.7	20.4	20.8	.	21.0
S09-18186	20.4	.	21.0	.	.	21.6	21.2	21.7	.	21.2
S09-9838	21.2	.	20.8	.	.	22.3	21.4	21.5	.	21.4
TN07-700	22.3	.	21.7	.	.	22.6	22.0	22.6	.	22.2
TN07-754	21.4	.	21.1	.	.	21.8	20.9	21.7	.	21.4
TN09-008	21.2	.	21.8	.	.	22.1	21.2	22.4	.	21.7
TN09-168	21.9	.	21.4	.	.	21.7	22.1	22.3	.	21.9
TN09-242	21.1	.	21.7	.	.	22.0	21.7	22.4	.	21.8
V07-5944	18.6	.	20.2	.	.	20.7	20.3	20.7	.	20.1
V07-9330	21.8	.	22.2	.	.	22.2	22.1	22.1	.	22.1
V07-9387	21.0	.	21.7	.	.	21.5	21.2	22.3	.	21.5
V07-9496	21.2	.	20.6	.	.	21.1	21.5	21.9	.	21.2
V07-9390	21.5	.	21.6	.	.	22.6	22.0	22.7	.	22.1
Mean	21.1	.	21.2	.	.	21.8	21.0	21.3	.	.

TABLE 49 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson,	Keiser,	Kinston,	McCune,	Pittsburg,	Plymouth,	Portageville,	Stuttgart,	Warsaw,	Test
	TN	AR	NC(A)	KS	KS	NC(B)	MO(B)	AR	VA	Mean
AG 5606	39.4	.	40.0	.	.	41.2	40.0	40.4	.	40.2
5002T	41.6	.	41.5	.	.	41.2	39.5	41.2	.	41.0
OSAGE	44.1	.	42.6	.	.	43.8	42.4	42.8	.	43.1
JTN-5203	41.7	.	41.2	.	.	41.2	40.2	39.7	.	40.8
JTN-5503	40.9	.	40.7	.	.	41.9	40.7	38.7	.	40.6
DB2004x45-391	42.2	.	42.4	.	.	41.5	39.1	42.1	.	41.5
CM4022	41.4	.	42.8	.	.	42.6	40.7	40.4	.	41.6
DB05x023-26	40.3	.	40.3	.	.	41.2	39.8	39.3	.	40.2
DB05x039-22	41.6	.	41.7	.	.	42.8	40.6	41.0	.	41.5
DB05x039-36	40.6	.	42.1	.	.	42.9	40.8	41.7	.	41.6
DB05x039-5	41.8	.	40.2	.	.	40.3	40.3	39.1	.	40.3
DS5-67	41.5	.	42.8	.	.	43.4	41.8	42.0	.	42.3
JTN-5111	39.3	.	41.1	.	.	42.3	39.6	39.1	.	40.3
JTN-5207	41.4	.	41.4	.	.	43.0	42.2	40.2	.	41.6
JTN-5209	43.8	.	44.8	.	.	44.5	41.9	43.8	.	43.8
JTN-5211	40.6	.	40.2	.	.	41.4	39.9	40.9	.	40.6
K08-5997	41.4	.	42.4	.	.	41.9	40.0	41.4	.	41.4
K09-5546	40.6	.	40.2	.	.	41.9	38.5	40.0	.	40.2
K09-5553	40.8	.	41.4	.	.	41.1	39.0	39.9	.	40.5
K09-5624	43.2	.	42.7	.	.	42.7	40.4	41.4	.	42.1
K09-5667	43.0	.	41.4	.	.	42.1	39.8	41.9	.	41.6
Md 0708WN 21	40.0	.	39.6	.	.	40.3	37.6	39.8	.	39.5
Md 0708WN 93	42.8	.	42.3	.	.	41.5	40.2	41.9	.	41.7
Md 08-5141	40.5	.	39.8	.	.	40.3	38.4	40.7	.	39.9
N06-523	39.6	.	40.9	.	.	41.2	40.6	38.8	.	40.2
N08-147	38.1	.	38.8	.	.	39.8	38.6	38.9	.	38.9
N08-174	39.5	.	39.5	.	.	41.1	39.3	40.5	.	40.0
N08-93	40.1	.	39.8	.	.	41.6	39.2	40.1	.	40.2
N09-13659	39.5	.	40.5	.	.	40.6	40.6	40.1	.	40.3
NCC05-456	40.5	.	43.7	.	.	42.1	41.4	40.7	.	41.7
NCC07-7496	42.2	.	39.9	.	.	41.0	38.8	41.4	.	40.7
NCC07-7714	40.9	.	40.4	.	.	41.1	37.4	40.4	.	40.0
NCC07-8693	41.7	.	41.2	.	.	40.1	39.3	37.3	.	39.9
NCC07-8792	40.4	.	39.9	.	.	40.1	39.9	39.2	.	39.9
R04-1268RR	41.4	.	39.7	.	.	40.8	39.2	39.5	.	40.1
R06-1270	40.7	.	41.4	.	.	42.3	41.0	0.0	.	33.1
R07-1857	41.5	.	42.3	.	.	43.0	41.2	40.7	.	41.7
R07-6654	42.1	.	42.3	.	.	44.1	41.2	42.1	.	42.4
R08-47	43.2	.	42.5	.	.	42.8	40.0	41.2	.	41.9
R08-991	42.4	.	42.0	.	.	42.5	39.6	40.3	.	41.3
S08-9727	39.0	.	40.6	.	.	40.4	38.8	37.5	.	39.2
S08-9936	39.3	.	42.0	.	.	41.2	38.5	39.4	.	40.1
S09-14162	42.3	.	42.6	.	.	42.8	40.7	41.8	.	42.1
S09-14199	40.5	.	42.7	.	.	42.6	40.5	42.6	.	41.8
S09-18186	42.8	.	43.0	.	.	42.8	40.5	40.8	.	42.0
S09-9838	40.7	.	42.2	.	.	42.1	37.9	39.4	.	40.5
TN07-700	40.8	.	41.4	.	.	41.9	38.4	40.3	.	40.5
TN07-754	41.9	.	41.6	.	.	41.1	39.8	41.0	.	41.1
TN09-008	39.3	.	39.5	.	.	39.1	38.6	37.5	.	38.8
TN09-168	39.4	.	39.8	.	.	40.1	38.4	40.1	.	39.6
TN09-242	40.1	.	41.0	.	.	41.0	38.4	38.8	.	39.9
V07-5944	43.5	.	41.8	.	.	42.4	39.9	40.7	.	41.6
V07-9330	41.0	.	40.6	.	.	41.1	38.2	40.5	.	40.3
V07-9387	39.9	.	38.0	.	.	40.5	37.2	39.3	.	39.0
V07-9496	41.9	.	42.3	.	.	43.5	38.3	39.8	.	41.2
V07-9390	41.9	.	40.4	.	.	41.4	39.0	39.9	.	40.5
Mean	41.1	.	41.2	.	.	41.7	39.7	39.6	.	.

TABLE 50 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	13.3	.	21.2	15.2	13.1	15.7	16.7	17.0	18.3	16.3
5002T	12.6	.	19.1	15.0	13.7	15.8	15.5	16.1	16.9	15.6
OSAGE	10.2	.	13.7	13.7	12.8	13.7	13.5	15.1	15.0	13.5
JTN-5203	10.3	.	14.3	15.5	11.7	13.9	13.0	14.6	15.0	13.5
JTN-5503	12.6	.	16.2	15.0	13.9	15.8	14.8	15.8	16.1	15.0
DB2004x45-391	13.7	.	20.1	15.3	14.5	16.3	15.8	18.0	21.0	16.8
CM4022	14.4	.	17.6	13.4	13.9	17.2	16.1	16.1	17.4	15.8
DB05x023-26	12.0	.	13.9	13.8	12.6	13.4	15.1	15.2	15.2	13.9
DB05x039-22	11.4	.	13.9	13.3	12.3	13.4	14.9	14.9	15.2	13.6
DB05x039-36	11.9	.	12.7	13.2	12.0	13.7	14.7	15.2	14.9	13.5
DB05x039-5	13.6	.	17.7	17.0	12.5	17.4	18.2	18.7	20.8	17.0
DS5-67	14.0	.	16.9	15.0	13.7	16.1	16.6	15.7	16.9	15.6
JTN-5111	11.2	.	15.8	12.3	11.8	11.2	12.4	14.1	13.0	12.7
JTN-5207	14.4	.	16.9	15.4	14.8	16.8	16.5	16.8	17.5	16.1
JTN-5209	8.9	.	9.5	10.9	10.1	10.3	10.5	10.8	10.7	10.2
JTN-5211	12.3	.	15.1	16.0	12.4	13.9	16.0	15.4	14.6	14.5
K08-5997	14.1	.	15.1	16.9	14.5	15.0	15.3	18.7	15.8	15.7
K09-5546	11.6	.	15.5	15.3	12.7	15.2	14.6	16.7	16.8	14.8
K09-5553	12.5	.	15.6	14.7	12.2	15.2	15.7	16.3	17.8	15.0
K09-5624	11.9	.	16.4	14.3	13.6	13.7	15.3	15.7	16.4	14.7
K09-5667	10.9	.	15.8	13.3	12.8	15.2	14.7	16.7	15.1	14.3
Md 0708WN 21	12.1	.	15.4	15.5	13.0	13.8	15.0	15.7	16.3	14.6
Md 0708WN 93	13.6	.	16.1	14.9	13.6	14.5	16.4	17.9	17.2	15.5
Md 08-5141	11.1	.	12.6	13.4	12.5	13.8	13.0	15.1	14.2	13.2
N06-523	11.5	.	14.7	14.8	13.2	13.2	14.4	16.2	14.6	14.1
N08-147	13.7	.	22.3	17.1	15.0	17.5	18.3	21.3	19.1	18.0
N08-174	13.4	.	16.8	15.9	13.5	15.1	18.5	17.7	17.2	16.0
N08-93	11.9	.	14.3	14.9	13.1	14.5	14.5	16.6	15.9	14.4
N09-13659	12.1	.	17.3	15.3	12.6	13.6	13.7	15.1	15.8	14.4
NCC05-456	11.9	.	14.0	14.0	13.0	14.7	14.0	15.1	15.0	13.9
NCC07-7496	11.9	.	16.3	14.6	11.4	14.4	15.0	17.1	17.0	14.7
NCC07-7714	9.7	.	13.5	13.8	11.0	12.9	12.6	14.1	15.7	12.9
NCC07-8693	10.7	.	15.1	14.4	11.3	13.0	14.2	14.3	15.0	13.5
NCC07-8792	10.1	.	14.0	13.6	12.8	15.1	15.5	16.5	15.2	14.1
R04-1268RR	10.4	.	14.4	13.1	12.4	12.7	13.4	15.7	14.5	13.3
R06-1270	11.8	.	15.1	14.3	15.3	14.3	15.4	14.1	15.5	14.5
R07-1857	13.0	.	15.9	15.5	14.6	14.8	15.8	16.4	17.7	15.4
R07-6654	10.2	.	13.4	14.0	11.9	12.1	12.3	12.7	13.1	12.5
R08-47	10.2	.	14.1	13.9	11.8	14.3	13.7	16.0	16.4	13.8
R08-991	7.0	.	11.1	13.6	11.9	11.8	12.6	13.4	12.5	11.7
S08-9727	11.9	.	14.0	13.9	12.5	12.6	14.0	13.3	15.6	13.5
S08-9936	13.0	.	19.1	13.7	15.3	15.3	16.6	16.2	19.0	16.0
S09-14162	12.5	.	15.3	14.4	14.8	15.9	16.2	17.7	16.5	15.4
S09-14199	15.9	.	17.2	16.2	14.9	17.1	16.8	19.1	18.8	17.0
S09-18186	10.1	.	15.3	15.0	14.1	13.7	14.9	15.6	15.7	14.3
S09-9838	15.1	.	17.8	12.9	14.9	19.4	19.1	18.1	21.5	17.3
TN07-700	14.2	.	16.8	15.3	13.3	16.2	16.0	17.5	16.9	15.8
TN07-754	13.2	.	14.6	15.9	13.7	14.0	15.3	15.7	15.8	14.8
TN09-008	13.6	.	18.2	16.1	14.6	17.1	15.8	17.1	18.5	16.4
TN09-168	12.6	.	16.3	14.4	14.8	15.6	15.2	15.7	16.8	15.2
TN09-242	12.9	.	16.6	14.7	14.9	15.0	15.1	15.5	16.0	15.1
V07-5944	6.6	.	10.7	10.6	9.2	9.0	9.7	9.9	10.6	9.5
V07-9330	12.4	.	15.9	14.8	12.9	13.9	14.1	16.2	17.9	14.7
V07-9387	10.9	.	12.0	13.6	11.5	12.0	12.3	13.5	14.2	12.5
V07-9496	9.3	.	11.6	12.7	11.0	12.4	12.6	13.1	13.6	12.0
V07-9390	13.4	.	17.1	15.4	13.3	13.6	15.9	17.2	15.8	15.2
Mean	12.0	.	15.5	14.5	13.1	14.4	14.9	15.8	16.1	.

TABLE 51 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	10/5	10/22	10/24	.	.	10/12	10/17	9/29	10/15	10/14
5002T	-6	-3	-6	.	.	-12	-4	-1	-5	-5
OSAGE	-5	-2	-7	.	.	-5	-3	1	-1	-3
JTN-5203	-7	-1	-5	.	.	-6	-3	1	1	-3
JTN-5503	1	1	-1	.	.	1	1	1	2	1
DB2004x45-391	-8	-1	-5	.	.	-14	-9	-2	-7	-6
CM4022	4	-2	0	.	.	-1	-1	0	1	0
DB05x023-26	3	-4	-3	.	.	-2	0	5	2	0
DB05x039-22	-2	-3	-4	.	.	-1	-1	0	-4	-2
DB05x039-36	2	-1	-4	.	.	-2	-1	3	-3	-1
DB05x039-5	-3	-3	-5	.	.	-3	-2	3	0	-2
DS5-67	9	0	-2	.	.	3	0	5	5	3
JTN-5111	9	-1	1	.	.	-3	0	5	4	2
JTN-5207	7	0	-2	.	.	-1	-2	5	-2	1
JTN-5209	9	0	-3	.	.	-3	-1	5	1	1
JTN-5211	2	-1	-8	.	.	-5	-2	0	-3	-2
K08-5997	-2	-1	-8	.	.	-12	-2	5	-3	-3
K09-5546	-4	3	-6	.	.	-11	-4	-1	-6	-4
K09-5553	-7	-3	-5	.	.	-13	-4	-1	-5	-5
K09-5624	-8	-1	-2	.	.	-11	-5	-1	-6	-5
K09-5667	-8	-3	-4	.	.	-6	-3	-1	-3	-4
Md 0708WN 21	-1	1	-4	.	.	-6	-1	3	0	-1
Md 0708WN 93	-2	-1	-1	.	.	-4	-2	5	1	-1
Md 08-5141	-1	2	-1	.	.	-6	-1	5	2	0
N06-523	4	0	-5	.	.	-2	1	5	0	1
N08-147	5	0	1	.	.	3	2	5	4	3
N08-174	7	-2	3	.	.	-1	3	6	5	3
N08-93	0	-1	-5	.	.	-1	1	5	0	0
N09-13659	0	-1	-4	.	.	-4	0	3	-1	-1
NCC05-456	-2	-1	-3	.	.	-3	0	1	-1	-1
NCC07-7496	-7	-1	-8	.	.	-9	-4	2	-6	-5
NCC07-7714	-8	-1	-9	.	.	-8	-6	-1	-6	-6
NCC07-8693	-7	-1	-1	.	.	-5	-1	1	1	-2
NCC07-8792	-7	1	-6	.	.	-4	-1	2	-2	-2
R04-1268RR	-3	-1	-7	.	.	-6	0	3	-1	-2
R06-1270	6	-1	-1	.	.	0	2	3	2	2
R07-1857	6	-1	-3	.	.	-4	-1	5	-1	0
R07-6654	5	-1	-1	.	.	-4	0	0	0	0
R08-47	-5	-1	-5	.	.	-6	-1	5	-2	-2
R08-991	-2	0	-7	.	.	-8	-4	-1	-5	-4
S08-9727	1	-2	-4	.	.	-5	0	3	-1	-1
S08-9936	3	-4	-5	.	.	-3	-1	5	-1	-1
S09-14162	2	-2	-4	.	.	-6	-1	5	0	-1
S09-14199	9	-1	-1	.	.	2	1	5	1	2
S09-18186	2	1	-3	.	.	-4	0	3	0	0
S09-9838	-4	-3	-9	.	.	-7	-3	1	-7	-4
TN07-700	-3	-2	-4	.	.	-9	-5	-1	-6	-4
TN07-754	-8	-1	-5	.	.	-9	-4	2	-3	-4
TN09-008	-1	-1	-2	.	.	1	-1	5	0	0
TN09-168	-1	1	-1	.	.	-4	0	5	3	1
TN09-242	0	0	-7	.	.	-4	-3	3	-4	-2
V07-5944	-8	-2	-1	.	.	-10	-4	0	-8	-5
V07-9330	-6	0	-9	.	.	-8	-4	2	-2	-4
V07-9387	-1	0	-5	.	.	-8	-3	5	-4	-2
V07-9496	-8	-3	-7	.	.	-9	-7	-1	-6	-6
V07-9390	-6	0	-5	.	.	-8	-4	5	-6	-3
Mean	-1	-1	-4	.	.	-5	-2	2	-1	.

TABLE 52 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	42	34	33	28	31	42	33	18	38	33
5002T	28	25	28	21	25	32	25	13	30	25
OSAGE	33	28	32	22	24	33	24	19	26	27
JTN-5203	34	28	27	22	27	29	24	14	34	27
JTN-5503	31	36	29	23	29	33	32	16	33	29
DB2004x45-391	38	34	41	31	32	39	45	25	36	36
CM4022	52	35	52	31	40	56	41	45	53	45
DB05x023-26	33	29	29	22	27	34	26	20	33	28
DB05x039-22	32	28	31	23	27	35	29	18	32	28
DB05x039-36	38	38	29	25	26	39	29	18	34	31
DB05x039-5	32	26	29	23	23	26	22	16	25	25
DS5-67	37	34	33	27	32	37	30	26	35	32
JTN-5111	41	33	34	29	30	40	33	29	38	34
JTN-5207	42	32	27	27	33	38	54	18	42	35
JTN-5209	37	31	32	24	26	38	31	24	35	31
JTN-5211	35	27	30	25	27	39	27	20	38	30
K08-5997	32	20	28	21	22	31	27	17	26	25
K09-5546	36	27	27	20	29	34	26	14	31	27
K09-5553	34	31	28	25	26	34	23	13	27	27
K09-5624	32	31	29	26	26	40	27	15	28	28
K09-5667	34	24	32	23	27	34	27	12	36	28
Md 0708WN 21	34	31	33	24	26	32	26	22	28	28
Md 0708WN 93	27	24	28	19	21	31	23	17	29	24
Md 08-5141	29	24	28	20	24	32	27	18	27	26
N06-523	38	27	32	26	32	43	30	23	38	32
N08-147	35	34	33	28	26	33	24	24	32	30
N08-174	36	33	34	27	28	37	23	14	27	29
N08-93	30	32	27	23	24	32	25	13	29	26
N09-13659	39	30	31	26	26	33	29	16	36	30
NCC05-456	42	31	33	30	31	40	31	18	41	33
NCC07-7496	28	25	28	24	25	34	26	13	28	26
NCC07-7714	34	28	31	26	29	31	26	13	35	28
NCC07-8693	33	28	31	22	26	32	21	13	29	26
NCC07-8792	30	26	28	21	22	29	20	17	23	24
R04-1268RR	42	31	35	26	28	39	29	22	33	32
R06-1270	43	34	38	25	28	39	35	17	38	33
R07-1857	36	25	34	22	24	33	22	11	29	26
R07-6654	33	29	25	26	25	33	25	16	32	27
R08-47	35	28	31	21	26	38	27	14	32	28
R08-991	44	36	38	27	32	39	32	27	40	35
S08-9727	50	40	39	30	31	48	38	30	33	38
S08-9936	47	44	49	29	36	53	45	37	41	42
S09-14162	34	24	26	22	25	31	33	14	32	27
S09-14199	37	26	31	29	31	38	32	21	43	32
S09-18186	42	41	37	32	42	50	32	35	51	41
S09-9838	55	39	49	31	31	49	44	35	36	41
TN07-700	37	27	26	22	24	32	27	14	28	26
TN07-754	32	27	28	23	23	34	23	11	27	25
TN09-008	34	30	34	27	28	36	28	22	33	30
TN09-168	50	43	41	27	28	42	44	29	44	39
TN09-242	52	48	50	27	32	46	43	44	40	42
V07-5944	32	28	28	23	24	33	24	12	30	26
V07-9330	32	31	27	22	26	37	23	15	28	27
V07-9387	35	28	28	23	29	33	29	16	30	28
V07-9496	36	26	33	22	32	35	27	14	35	29
V07-9390	32	30	33	20	24	31	22	16	30	26
Mean	37	31	32	25	28	37	30	20	33	.

**TABLE 53 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP V FOR YEAR 2011**

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	3.0	1.0	3.0	1.0	1.0	.	2.0	1.5	2.9	1.9
5002T	1.0	1.0	3.0	1.0	1.0	.	1.0	1.0	2.7	1.5
OSAGE	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	1.8	1.2
JTN-5203	1.5	1.0	2.0	1.0	1.0	.	1.0	1.0	3.0	1.4
JTN-5503	3.5	1.0	3.0	1.0	1.0	.	1.0	1.0	3.3	1.9
DB2004x45-391	4.0	1.0	3.0	1.0	1.0	.	2.0	2.5	4.8	2.4
CM4022	3.0	1.5	3.5	1.5	1.0	.	3.0	4.5	4.5	2.8
DB05x023-26	2.5	1.0	3.0	1.0	1.0	.	1.5	1.0	2.7	1.7
DB05x039-22	3.0	1.0	3.0	1.0	1.0	.	2.5	1.0	3.7	2.0
DB05x039-36	4.5	1.0	3.0	1.0	1.0	.	3.0	1.5	4.8	2.5
DB05x039-5	2.0	1.0	3.0	1.0	1.0	.	1.0	1.0	1.9	1.5
DS5-67	4.0	1.0	3.0	1.0	1.0	.	2.0	2.5	2.9	2.2
JTN-5111	4.0	3.0	3.0	1.0	1.0	.	3.0	3.0	3.3	2.7
JTN-5207	4.0	1.0	3.0	1.0	1.0	.	2.0	1.0	3.2	2.0
JTN-5209	2.0	1.0	2.5	1.0	1.0	.	1.5	2.0	3.0	1.8
JTN-5211	1.5	1.0	3.0	1.0	1.0	.	1.0	2.0	3.5	1.8
K08-5997	1.5	1.0	1.5	1.0	1.0	.	1.0	1.0	2.0	1.3
K09-5546	3.5	1.0	3.0	1.0	1.0	.	1.0	1.0	3.3	1.9
K09-5553	2.0	1.0	3.0	1.0	1.0	.	1.0	1.0	3.2	1.7
K09-5624	2.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.4	1.4
K09-5667	2.0	1.0	3.0	1.0	1.0	.	1.0	1.0	3.2	1.7
Md 0708WN 21	1.5	1.0	3.0	1.0	1.0	.	1.0	2.0	2.7	1.7
Md 0708WN 93	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.0	1.2
Md 08-5141	1.5	1.0	3.0	1.0	1.0	.	1.5	1.0	2.6	1.6
N06-523	3.0	2.0	3.0	1.0	1.0	.	2.0	1.5	2.5	2.0
N08-147	3.0	1.0	3.5	1.0	1.0	.	1.5	2.0	3.0	2.0
N08-174	1.0	1.0	3.0	1.0	1.0	.	1.5	1.0	1.6	1.4
N08-93	2.0	1.0	3.0	1.0	1.0	.	1.0	1.0	4.2	1.8
N09-13659	2.0	1.0	2.5	1.0	1.0	.	1.5	1.0	3.3	1.7
NCC05-456	1.0	1.0	3.0	1.0	1.0	.	1.5	1.0	2.3	1.5
NCC07-7496	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.0	1.2
NCC07-7714	1.0	1.0	2.5	1.0	1.0	.	1.0	1.0	3.0	1.4
NCC07-8693	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.1	1.3
NCC07-8792	1.0	1.0	2.5	1.0	1.0	.	1.0	1.0	1.6	1.3
R04-1268RR	3.0	1.0	2.0	1.0	1.0	.	2.0	1.5	3.8	1.9
R06-1270	2.5	1.0	3.0	1.0	1.0	.	2.0	1.5	3.1	1.9
R07-1857	1.5	1.0	3.0	1.0	1.0	.	1.0	1.0	1.9	1.4
R07-6654	4.5	1.0	3.0	1.0	1.0	.	1.5	1.0	4.0	2.1
R08-47	1.5	1.0	2.5	1.0	1.0	.	1.0	1.0	2.8	1.5
R08-991	3.0	1.0	3.0	1.0	1.0	.	2.5	2.0	4.0	2.2
S08-9727	2.5	1.0	2.5	1.0	1.0	.	3.0	1.5	2.1	1.8
S08-9936	2.5	1.0	3.0	1.0	1.0	.	3.0	3.0	2.6	2.1
S09-14162	2.0	1.0	2.5	1.0	1.0	.	1.0	1.0	2.7	1.5
S09-14199	4.0	1.0	3.0	1.0	1.0	.	1.5	1.0	3.7	2.0
S09-18186	4.0	2.0	3.5	1.0	1.0	.	2.5	3.5	3.8	2.7
S09-9838	2.5	1.0	3.0	1.0	1.0	.	3.0	2.5	2.5	2.1
TN07-700	3.0	1.0	3.0	1.0	1.0	.	1.0	1.0	2.3	1.7
TN07-754	1.0	1.0	3.0	1.0	1.0	.	1.0	1.0	1.8	1.4
TN09-008	1.0	1.0	1.5	1.0	1.0	.	1.5	1.5	2.8	1.4
TN09-168	2.0	1.0	3.0	1.0	1.0	.	2.0	1.5	2.8	1.8
TN09-242	2.5	1.0	3.0	1.0	1.0	.	2.5	2.5	2.5	2.0
V07-5944	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.1	1.3
V07-9330	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.0	1.2
V07-9387	1.5	1.0	2.5	1.0	1.0	.	1.5	1.5	2.6	1.6
V07-9496	1.5	1.0	3.0	1.0	1.0	.	2.0	2.0	4.5	2.0
V07-9390	1.0	1.0	2.0	1.0	1.0	.	1.0	1.0	2.6	1.3
Mean	2.2	1.1	2.7	1.0	1.0	.	1.6	1.5	2.9	.

TABLE 54 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2011

STRAIN/ VARIETY	Jackson, TN	Keiser, AR	Kinston, NC(A)	McCune, KS	Pittsburg, KS	Plymouth, NC(B)	Portageville, MO(B)	Stuttgart, AR	Warsaw, VA	Test Mean
AG 5606	2.0	.	.	3.0	2.0	1.8	3.0	2.5	1.5	2.2
5002T	2.5	.	.	2.0	3.0	2.8	2.0	3.0	1.9	2.4
OSAGE	1.0	.	.	2.0	2.0	1.8	2.5	2.0	1.5	1.8
JTN-5203	1.0	.	.	2.0	2.0	1.8	2.0	2.5	2.0	1.9
JTN-5503	1.0	.	.	2.0	2.0	1.5	3.5	1.5	1.5	1.9
DB2004x45-391	2.5	.	.	2.0	2.0	3.0	2.5	3.0	2.2	2.4
CM4022	1.0	.	.	2.0	2.0	1.8	3.0	2.0	1.7	1.9
DB05x023-26	1.0	.	.	2.0	2.0	1.8	3.5	2.0	1.5	2.0
DB05x039-22	1.0	.	.	1.0	2.0	1.8	3.0	2.0	1.5	1.7
DB05x039-36	1.0	.	.	1.0	2.0	1.8	3.5	2.0	1.7	1.8
DB05x039-5	2.0	.	.	2.0	2.0	1.8	2.0	3.0	1.8	2.0
DS5-67	1.0	.	.	2.0	2.0	1.5	3.0	2.5	1.5	1.9
JTN-5111	2.0	.	.	2.0	2.0	2.0	3.5	2.0	1.9	2.2
JTN-5207	2.0	.	.	2.0	2.0	2.0	2.5	2.0	1.7	2.0
JTN-5209	1.0	.	.	2.0	2.0	1.5	3.5	2.5	1.9	2.0
JTN-5211	1.5	.	.	2.0	2.0	1.8	2.5	1.5	1.7	1.9
K08-5997	1.0	.	.	2.0	2.0	2.5	3.0	3.0	1.7	2.1
K09-5546	2.0	.	.	2.0	2.0	2.0	2.5	2.0	1.4	2.0
K09-5553	1.5	.	.	3.0	2.0	3.0	2.5	3.0	1.7	2.4
K09-5624	1.0	.	.	2.0	2.0	3.0	2.0	2.0	2.2	2.0
K09-5667	1.0	.	.	2.0	2.0	2.3	4.0	2.0	1.7	2.1
Md 0708WN 21	1.0	.	.	2.0	2.0	1.8	2.5	1.5	1.8	1.8
Md 0708WN 93	1.0	.	.	2.0	3.0	1.8	2.5	2.5	1.5	2.0
Md 08-5141	1.0	.	.	2.0	3.0	2.0	4.0	2.0	1.7	2.3
N06-523	1.0	.	.	2.0	2.0	1.5	4.0	2.0	1.8	2.1
N08-147	1.0	.	.	2.0	2.0	1.8	3.5	2.5	1.8	2.1
N08-174	1.0	.	.	2.0	2.0	1.5	3.5	2.5	1.2	1.9
N08-93	1.0	.	.	2.0	2.0	1.5	3.0	2.5	1.7	1.9
N09-13659	1.0	.	.	2.0	2.0	1.5	4.0	2.0	1.7	2.0
NCC05-456	1.0	.	.	2.0	2.0	1.5	3.5	1.5	1.5	1.9
NCC07-7496	1.0	.	.	2.0	2.0	2.5	2.0	2.0	1.8	1.9
NCC07-7714	1.0	.	.	2.0	3.0	2.3	3.5	3.0	1.8	2.4
NCC07-8693	1.0	.	.	2.0	3.0	2.0	4.0	2.5	1.9	2.3
NCC07-8792	1.5	.	.	2.0	3.0	2.0	3.0	3.0	1.9	2.3
R04-1268RR	1.0	.	.	2.0	2.0	2.0	2.5	2.5	1.9	2.0
R06-1270	1.0	.	.	2.0	2.0	2.0	3.0	2.5	1.7	2.0
R07-1857	1.5	.	.	2.0	3.0	1.5	3.0	2.5	1.2	2.1
R07-6654	1.5	.	.	2.0	2.0	1.8	2.5	1.5	1.7	1.9
R08-47	1.5	.	.	2.0	3.0	1.5	3.0	2.5	1.5	2.1
R08-991	1.5	.	.	2.0	2.0	2.0	2.0	2.5	1.8	2.0
S08-9727	1.0	.	.	2.0	2.0	2.3	3.0	2.0	1.4	1.9
S08-9936	1.0	.	.	2.0	2.0	2.3	2.5	2.5	1.8	2.0
S09-14162	1.0	.	.	2.0	2.0	2.0	2.5	2.0	1.7	1.9
S09-14199	2.0	.	.	2.0	2.0	1.5	4.0	1.5	1.8	2.1
S09-18186	2.0	.	.	2.0	2.0	1.8	3.0	3.0	1.9	2.2
S09-9838	1.5	.	.	2.0	3.0	3.8	2.0	2.0	2.8	2.5
TN07-700	1.5	.	.	2.0	2.0	2.3	2.5	2.5	1.8	2.1
TN07-754	1.0	.	.	2.0	2.0	2.5	3.0	2.0	1.5	2.0
TN09-008	2.0	.	.	2.0	2.0	1.8	3.5	2.0	1.7	2.1
TN09-168	1.0	.	.	2.0	2.0	2.3	2.5	2.5	1.7	2.0
TN09-242	1.5	.	.	2.0	2.0	2.3	2.0	2.0	1.5	1.9
V07-5944	1.0	.	.	2.0	2.0	2.8	3.0	2.5	1.4	2.1
V07-9330	1.0	.	.	2.0	2.0	2.0	3.0	2.5	1.5	2.0
V07-9387	1.0	.	.	2.0	2.0	2.3	3.0	2.5	1.7	2.0
V07-9496	1.5	.	.	2.0	2.0	2.5	3.0	3.0	1.5	2.2
V07-9390	1.0	.	.	2.0	2.0	2.3	2.5	2.5	1.9	2.0
Mean	1.3	.	.	2.0	2.2	2.0	2.9	2.3	1.7	.

TABLE 55 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	AGS606RR	Commercial check		
3	NC-ROY	Holladay X Brim		
4	G05-1102 RR	G98-1420 X H7242 RR	F5d	
5	G06-2460 RR	G98-1420 X H7242 RR	F5d	
6	N05-7353	N7002 x N98-7265	F4	Diversity, Drought, Exotic
7	N05-7375	N7002 x N98-7265	F4	Diversity, Drought, Exotic
8	N06-06	N99-510 X G98-1053		
9	N06-7023	N98-7265 x N98-7288	F4	Slow Wilt, Exotic
10	NCC04-619	N97-61 x TN96-64	F4:11	
11	NCC05-1543	N97-61xN95-614	F4:10	
12	NCC06-1090	N99-8137xTN99-117	F4:9	
13	NCC06-5894R	TN99-184xNC ROY RR, BC4F2	F4:9	
14	NCC07-8138	Md 99-6226x(N97-9677)	F4:8	
15	R03-1250	PIO 9592 x KS4895	F5	
16	R04-522	Lonoke x P9594	F5	
17	R05-3817	R96-3427 x 605	F5	
18	R07-10322	R97-1634 x V00-3824	F5	
19	R07-1810	R00-1551 x R01-2346	F5	
20	TN08-109	TN02-303/S98-1375		

**TABLE 56 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VI FOR YEAR 2011**

STRAIN/ VARIETY	AVERAGE		YIELD‡			PROTEIN			OIL		
	RANK	RANK	2011	10-11	09-11	2011	10-11	09-11	2011	10-11	09-11
DILLON	13	12	47.7	48.0	46.8	42.1	41.2	41.1	21.4	20.4	20.4
AGS606RR	20	14	43.2	45.3	.	42.5	42.1	.	21.3	19.9	.
NC-ROY	2	7	51.4	49.5	49.4	42.3	41.6	41.4	20.9	19.8	19.8
G05-1102 RR	1	6	52.3	49.7	49.8	42.6	41.7	41.5	22.0	20.6	20.5
G06-2460 RR	10	10	48.6	46.9	.	42.0	41.5	.	21.8	19.8	.
N05-7353	5	9	50.7	48.2	.	41.1	40.5	.	22.1	20.8	.
N05-7375	16	12	44.8	45.9	.	40.5	39.5	.	22.3	21.4	.
N06-06	9	10	48.8	.	.	40.5	.	.	21.9	.	.
N06-7023	18	14	44.4	45.6	.	40.5	39.9	.	22.2	21.7	.
NCC04-619	3	9	51.0	47.6	48.4	40.2	39.6	39.5	21.8	20.5	20.6
NCC05-1543	11	11	47.9	44.3	45.1	41.0	40.3	40.4	22.4	21.0	20.8
NCC06-1090	6	8	50.5	50.6	.	39.7	39.1	.	22.3	21.6	.
NCC06-5894R	8	9	50.0	48.7	.	41.3	40.5	.	20.9	19.8	.
NCC07-8138	4	8	50.9	.	.	40.0	.	.	22.2	.	.
R03-1250	19	15	44.3	46.4	47.8	40.4	40.5	40.4	22.0	21.1	21.1
R04-522	14	13	46.0	47.7	47.9	39.8	39.6	39.6	22.1	20.7	20.7
R05-3817	17	14	44.5	.	.	39.6	.	.	22.4	.	.
R07-10322	7	8	50.1	.	.	40.8	.	.	22.2	.	.
R07-1810	15	13	45.7	.	.	41.1	.	.	21.7	.	.
TN08-109	12	10	47.8	.	.	37.8	.	.	22.7	.	.
Mean	.	.	48.0	.	.	40.8	.	.	21.9	.	.
LSD(0.05)	.	.	4.8	.	.	0.9	.	.	0.5	.	.
CV(%)	.	.	16.6	.	.	2.0	.	.	2.3	.	.

‡Data not included in mean: 2011 – Keiser, AR; Fairhope, AL
2010 – Stoneville, MS; Calhoun, GA
2009 – Bossier City, LA (only yield was omitted)

TABLE 57 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2011

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
DILLON	0	1.8	31	1.7	16.1	P	G	T
AGS606RR	-3	1.4	26	1.7	16.1	W	T	T
NC-ROY	8	2.2	31	1.6	14.6	W	G	Br
G05-1102 RR	8	1.3	32	1.5	16.1	P	T	T
G06-2460 RR	2	1.3	28	1.5	15.8	P	T	T
N05-7353	6	1.7	28	1.6	16.7	W	G	T
N05-7375	2	1.7	28	1.7	15.4	P	G	T
N06-06	2	1.4	26	1.7	14.3	W	T	T
N06-7023	2	1.5	28	1.6	17.5	W	G	T
NCC04-619	7	1.2	26	1.5	14.1	P	G	T
NCC05-1543	6	1.7	25	1.7	14.0	W	T	T
NCC06-1090	3	1.6	28	1.7	17.5	P	G	T
NCC06-5894R	8	1.5	29	1.6	12.8	W	G	T
NCC07-8138	-3	1.3	24	1.9	16.8	P	G	T
R03-1250	-5	1.1	27	2.0	15.6	W	G	T
R04-522	-5	1.8	27	1.9	13.1	W	G	T
R05-3817	-4	1.4	27	2.0	16.8	W	G	T
R07-10322	-3	1.7	25	1.9	17.5	W	G	T
R07-1810	-4	1.8	29	1.6	15.1	P	G	T
TN08-109	-4	1.2	26	2.0	14.9	W	T	T
Mean	1	1.5	28	1.7	15.5			
LSD(0.05)	3	0.3	2	0.3	0.9			
CV(%)	316	36.0	12	18.0	5.3			

**TABLE 58 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VI FOR YEAR 2011**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SC	SC	SDS
	1.2.5.7	0	2.5.7						GA	GA	RATING	SCORE	DX
	Race 2	Race 3	Race 5					
DILLON	.	1	5	4.5	3.3	MS	4.0	.
AGS606RR	.	.	.	4.8	4.8	R	1.0	.
NC-ROY	5	4	5	5.0	4.8	MS	4.0	.
G05-1102 RR	4	1	3	2.5	1.0	R	1.0	.
G06-2460 RR	4	1	5	2.5	1.0	R	1.0	.
N05-7353	5	4	3	3.0	3.3	S	5.0	.
N05-7375	5	3	5	4.5	3.5	R	1.0	.
N06-06	5	3	5	4.0	3.8	S	5.0	.
N06-7023	5	4	5	4.8	5.0	MS	4.0	.
NCC04-619	5	4	5	4.8	5.0	R	1.0	.
NCC05-1543	5	4	5	4.0	3.0	R	1.0	.
NCC06-1090	5	3	5	3.8	3.0	R	1.0	.
NCC06-5894R	5	2	5	3.0	3.5	R	1.0	.
NCC07-8138	5	4	5	4.5	4.5	R	1.0	.
R03-1250	4	3	5	2.3	4.5	R	1.0	.
R04-522	5	1	4	4.5	3.8	R	1.0	.
R05-3817	5	4	5	3.3	5.0	R	1.0	.
R07-10322	5	2	4	2.5	3.0	R	1.0	.
R07-1810	4	4	5	2.8	4.8	R	1.0	.
TN08-109	3	2	4	5.0	3.0	S	5.0	.

TABLE 59 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, ‡ AR	Stuttgart, AR	Area Mean
DILLON	72.8	57.7	57.7
AGS606RR	42.9	58.8	58.8
NC-ROY	61.1	65.5	65.5
G05-1102 RR	64.7	62.5	62.5
G06-2460 RR	60.4	61.2	61.2
N05-7353	68.5	58.0	58.0
N05-7375	45.3	66.0	66.0
N06-06	64.5	67.8	67.8
N06-7023	59.7	59.7	59.7
NCC04-619	61.7	60.7	60.7
NCC05-1543	64.7	63.6	63.6
NCC06-1090	69.6	61.2	61.2
NCC06-5894R	70.4	67.5	67.5
NCC07-8138	70.8	64.3	64.3
R03-1250	58.5	57.4	57.4
R04-522	63.4	64.9	64.9
R05-3817	66.5	66.7	66.7
R07-10322	69.5	58.2	58.2
R07-1810	61.0	61.2	61.2
TN08-109	67.3	58.5	58.5
Mean	63.2	62.1	62.1
LSD(0.05)	22.0	6.1	6.1
CV(%)	20.9	6.0	6.0

‡Data not included in mean.

TABLE 59 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(B)	Area Mean
DILLON	39.9	39.9
AGS606RR	42.1	42.1
NC-ROY	40.3	40.3
G05-1102 RR	42.8	42.8
G06-2460 RR	42.5	42.5
N05-7353	38.2	38.2
N05-7375	26.4	26.4
N06-06	37.8	37.8
N06-7023	42.8	42.8
NCC04-619	39.9	39.9
NCC05-1543	40.8	40.8
NCC06-1090	43.6	43.6
NCC06-5894R	39.2	39.2
NCC07-8138	47.7	47.7
R03-1250	35.4	35.4
R04-522	39.8	39.8
R05-3817	39.5	39.5
R07-10322	48.0	48.0
R07-1810	40.6	40.6
TN08-109	45.6	45.6
Mean	40.6	40.6
LSD(0.05)	9.6	9.6
CV(%)	13.4	13.4

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Fairhope,‡ AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	22.4	43.6	53.7	43.9	26.5	54.1	62.5	46.7
AGS606RR	16.8	45.5	52.5	37.2	15.5	59.8	62.5	45.7
NC-ROY	26.3	48.7	58.6	55.4	30.8	60.9	66.5	52.7
G05-1102 RR	24.0	45.8	55.8	53.0	42.7	60.9	69.8	51.6
G06-2460 RR	30.7	42.3	56.8	53.4	13.8	62.0	62.6	51.3
N05-7353	18.7	45.2	61.0	46.6	40.6	66.4	63.9	50.3
N05-7375	24.0	47.8	55.8	43.8	35.5	56.0	45.3	45.4
N06-06	20.0	42.9	64.0	52.0	14.7	59.5	65.3	50.6
N06-7023	16.1	47.8	56.5	45.8	14.9	50.8	48.5	44.3
NCC04-619	25.7	55.8	58.7	51.4	35.0	59.2	61.5	52.1
NCC05-1543	21.8	44.9	59.5	48.1	21.7	53.5	59.6	48.0
NCC06-1090	26.8	45.2	59.2	50.6	38.9	51.7	58.5	48.6
NCC06-5894R	22.3	42.9	58.9	43.5	29.3	60.9	65.0	48.9
NCC07-8138	19.1	41.6	60.8	55.5	32.5	61.0	55.5	48.9
R03-1250	22.8	38.4	68.3	48.4	19.1	38.7	55.4	45.3
R04-522	27.4	42.6	53.0	45.7	17.0	45.6	60.5	45.8
R05-3817	20.6	38.1	57.0	46.4	13.0	46.6	50.6	43.2
R07-10322	23.3	49.0	55.7	47.3	22.3	65.8	64.0	50.9
R07-1810	26.1	44.2	53.2	38.6	24.8	52.8	54.5	44.9
TN08-109	20.8	46.8	60.4	44.4	23.4	49.6	61.7	47.3
Mean	22.8	44.9	58.0	47.6	25.6	55.8	59.7	48.1
LSD(0.05)	5.5	11.5	7.2	5.3	17.8	14.3	7.5	5.4
CV(%)	14.6	15.5	7.5	6.7	42.2	14.9	7.6	13.5

‡Data not included in mean.

TABLE 60 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Kinston, NC(B)	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	20.9	21.9	21.3	21.4	21.8	20.4	21.9	21.4
AGS606RR	21.1	21.1	21.2	21.7	21.3	20.8	22.1	21.3
NC-ROY	20.5	22.9	20.3	20.9	21.0	20.0	20.6	20.9
G05-1102 RR	22.2	21.7	21.8	22.0	22.2	20.8	22.9	22.0
G06-2460 RR	22.1	22.7	21.8	21.6	21.6	20.5	22.1	21.8
N05-7353	21.3	23.2	21.8	22.0	22.1	21.5	22.8	22.1
N05-7375	21.1	22.6	21.6	22.6	22.6	22.0	23.6	22.3
N06-06	21.2	23.1	20.9	21.9	21.8	21.0	23.1	21.9
N06-7023	22.8	21.7	22.3	22.1	22.4	21.2	23.3	22.2
NCC04-619	22.1	22.4	21.9	21.6	21.8	20.8	22.2	21.8
NCC05-1543	22.2	23.6	22.0	22.7	22.4	21.5	22.6	22.4
NCC06-1090	22.2	21.2	22.1	22.5	23.2	21.7	23.6	22.3
NCC06-5894R	20.5	21.9	20.5	21.4	20.8	19.9	21.3	20.9
NCC07-8138	22.4	22.2	22.6	21.7	22.4	21.6	22.5	22.2
R03-1250	21.7	21.8	22.5	21.4	22.2	21.7	22.9	22.0
R04-522	22.8	22.5	22.1	21.5	21.8	20.7	23.0	22.1
R05-3817	22.3	22.6	23.0	21.9	22.0	21.4	23.3	22.4
R07-10322	22.5	21.7	22.1	22.2	21.9	21.8	23.1	22.2
R07-1810	21.3	22.5	21.6	21.0	22.1	21.1	22.5	21.7
TN08-109	23.6	.	22.4	22.0	22.8	21.8	23.4	22.7
Mean	21.8	22.3	21.8	21.8	22.0	21.1	22.6	.

TABLE 61 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Kinston, NC(B)	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	41.5	43.0	40.3	43.2	43.4	41.9	41.2	42.1
AGS606RR	43.0	41.9	41.3	42.4	43.3	43.3	42.0	42.5
NC-ROY	41.1	41.5	42.0	42.5	43.3	42.9	42.4	42.3
G05-1102 RR	42.2	42.0	41.9	43.5	43.4	43.9	41.0	42.6
G06-2460 RR	41.8	40.7	41.0	42.8	42.9	42.9	41.7	42.0
N05-7353	41.8	39.4	40.6	41.9	42.1	41.5	40.4	41.1
N05-7375	41.1	39.9	40.5	40.8	42.3	40.1	38.8	40.5
N06-06	41.4	38.9	39.6	40.9	41.9	40.1	40.5	40.5
N06-7023	40.7	38.8	40.4	40.9	41.3	41.5	39.8	40.5
NCC04-619	40.3	40.0	39.2	40.4	40.9	40.5	39.9	40.2
NCC05-1543	40.3	38.5	41.6	41.2	42.2	41.8	41.3	41.0
NCC06-1090	39.6	41.3	39.3	39.6	39.9	40.2	38.3	39.7
NCC06-5894R	41.3	39.8	41.4	41.4	42.9	42.1	40.2	41.3
NCC07-8138	39.6	40.6	38.6	40.9	40.1	40.6	39.6	40.0
R03-1250	41.4	40.8	39.7	40.3	42.2	39.4	38.8	40.4
R04-522	39.1	40.9	37.2	41.1	41.3	40.6	38.2	39.8
R05-3817	39.2	41.1	37.4	40.1	41.4	40.3	38.2	39.6
R07-10322	40.3	42.2	39.2	41.1	42.3	40.5	40.0	40.8
R07-1810	41.6	38.0	40.1	43.0	42.7	41.5	40.9	41.1
TN08-109	37.5	.	37.1	38.4	38.6	38.5	36.7	37.7
Mean	40.7	40.5	39.9	41.3	41.9	41.2	40.0	.

TABLE 62 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Keiser, AR	Kinston, NC(B)	Stuttgart, AR	Tallassee, AL(A)	Tifton, GA	Test Mean
DILLON	14.5	.	.	.	18.1	.	17.1	16.7	15.4	14.8	16.1
AGS606RR	15.4	.	.	.	16.8	.	16.1	16.7	17.1	14.7	16.1
NC-ROY	13.8	.	.	.	15.7	.	14.1	14.9	14.8	14.3	14.6
G05-1102 RR	16.2	.	.	.	17.8	.	16.0	15.9	15.9	14.6	16.1
G06-2460 RR	17.4	.	.	.	15.8	.	16.3	15.4	16.6	13.0	15.8
N05-7353	16.9	.	.	.	17.1	.	17.4	17.0	15.8	15.9	16.7
N05-7375	14.5	.	.	.	16.4	.	16.4	15.9	15.4	13.7	15.4
N06-06	13.9	.	.	.	13.6	.	14.7	15.5	14.3	13.8	14.3
N06-7023	18.0	.	.	.	17.8	.	18.4	18.5	16.6	15.7	17.5
NCC04-619	14.6	.	.	.	14.1	.	13.9	14.5	15.0	12.6	14.1
NCC05-1543	12.9	.	.	.	14.9	.	15.0	14.1	14.1	13.2	14.0
NCC06-1090	15.8	.	.	.	18.2	.	18.1	18.6	17.5	16.9	17.5
NCC06-5894R	13.2	.	.	.	14.4	.	12.9	12.5	12.5	11.7	12.8
NCC07-8138	16.3	.	.	.	17.1	.	15.9	18.4	16.8	16.1	16.8
R03-1250	16.7	.	.	.	14.7	.	17.2	16.4	14.5	14.2	15.6
R04-522	14.4	.	.	.	13.1	.	13.6	13.7	12.5	11.4	13.1
R05-3817	16.8	.	.	.	16.3	.	17.4	19.0	15.2	16.2	16.8
R07-10322	17.3	.	.	.	16.3	.	18.6	18.9	17.5	16.3	17.5
R07-1810	15.3	.	.	.	14.6	.	15.7	15.6	15.3	13.9	15.1
TN08-109	13.1	.	.	.	14.3	.	15.5	16.8	15.1	14.5	14.9
Mean	15.4	.	.	.	15.9	.	16.0	16.3	15.4	14.4	.

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Stuttgart, AR	Area Mean
DILLON	10/26	10/6	10/16
AGS606RR	-1	-1	-1
NC-ROY	0	6	3
G05-1102 RR	2	4	3
G06-2460 RR	1	-2	0
N05-7353	1	4	3
N05-7375	1	-1	0
N06-06	1	-1	0
N06-7023	-1	0	0
NCC04-619	0	5	3
NCC05-1543	0	4	2
NCC06-1090	1	3	2
NCC06-5894R	1	4	3
NCC07-8138	-1	-1	-1
R03-1250	0	-5	-2
R04-522	1	-1	0
R05-3817	0	-1	-1
R07-10322	0	-3	-1
R07-1810	2	-6	-2
TN08-109	-1	-1	-1
Mean	0	0	0

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(B)	Area Mean
DILLON	10/21	10/21
AGS606RR	-8	-8
NC-ROY	2	2
G05-1102 RR	4	4
G06-2460 RR	1	1
N05-7353	4	4
N05-7375	0	0
N06-06	1	1
N06-7023	2	2
NCC04-619	3	3
NCC05-1543	2	2
NCC06-1090	0	0
NCC06-5894R	2	2
NCC07-8138	-6	-6
R03-1250	-7	-7
R04-522	-8	-8
R05-3817	-5	-5
R07-10322	-1	-1
R07-1810	-7	-7
TN08-109	-10	-10
Mean	-2	-2

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	10/13	10/10	10/9	10/24	10/5	9/21	10/9
AGS606RR	-1	-4	-2	-3	-3	-5	-3
NC-ROY	12	9	8	4	12	18	11
G05-1102 RR	11	9	7	10	9	18	11
G06-2460 RR	6	2	-1	4	2	0	2
N05-7353	12	7	7	8	5	11	8
N05-7375	6	5	3	3	1	1	3
N06-06	3	2	1	3	-3	14	3
N06-7023	5	3	2	5	-1	0	3
NCC04-619	11	7	9	4	11	15	9
NCC05-1543	9	4	4	6	9	16	8
NCC06-1090	7	-1	3	8	2	0	3
NCC06-5894R	13	9	7	6	12	14	10
NCC07-8138	1	-9	-4	-2	-1	-2	-3
R03-1250	1	-10	-6	-4	-6	-5	-5
R04-522	-1	-9	-6	-5	-7	-9	-6
R05-3817	-3	-12	-5	-5	-5	-3	-6
R07-10322	-1	-8	-4	-2	-4	-3	-4
R07-1810	1	-7	-3	-4	-3	-5	-4
TN08-109	-1	-7	-6	-1	-4	-7	-4
Mean	5	-1	1	2	1	3	2

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Stuttgart, AR	Area Mean
DILLON	37	25	31
AGS606RR	27	20	23
NC-ROY	33	32	32
G05-1102 RR	34	31	33
G06-2460 RR	33	21	27
N05-7353	34	24	29
N05-7375	30	23	26
N06-06	32	18	25
N06-7023	37	26	31
NCC04-619	35	22	29
NCC05-1543	26	26	26
NCC06-1090	31	24	28
NCC06-5894R	34	29	31
NCC07-8138	27	19	23
R03-1250	32	19	25
R04-522	27	25	26
R05-3817	30	19	25
R07-10322	24	17	21
R07-1810	33	23	28
TN08-109	30	20	25
Mean	31	23	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(B)	Area Mean
DILLON	42	42
AGS606RR	35	35
NC-ROY	43	43
G05-1102 RR	41	41
G06-2460 RR	35	35
N05-7353	35	35
N05-7375	39	39
N06-06	33	33
N06-7023	35	35
NCC04-619	35	35
NCC05-1543	34	34
NCC06-1090	35	35
NCC06-5894R	36	36
NCC07-8138	30	30
R03-1250	34	34
R04-522	35	35
R05-3817	36	36
R07-10322	33	33
R07-1810	38	38
TN08-109	38	38
Mean	36	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	22	33	37	36	18	30	36	30
AGS606RR	16	34	31	30	12	26	29	25
NC-ROY	23	32	36	38	15	33	29	29
G05-1102 RR	21	39	38	34	19	32	34	31
G06-2460 RR	19	35	36	31	13	29	31	28
N05-7353	20	31	32	30	17	29	28	27
N05-7375	24	28	33	34	14	29	27	27
N06-06	19	31	33	29	13	26	29	26
N06-7023	18	29	37	32	14	27	27	26
NCC04-619	18	31	29	27	16	25	21	24
NCC05-1543	18	29	31	29	12	27	22	24
NCC06-1090	22	30	36	34	19	26	28	28
NCC06-5894R	21	35	37	31	15	29	25	28
NCC07-8138	16	29	28	27	14	24	23	23
R03-1250	20	32	35	28	15	23	28	26
R04-522	22	28	31	33	15	29	29	27
R05-3817	20	34	34	31	14	25	29	27
R07-10322	19	31	34	29	13	24	29	25
R07-1810	21	32	32	33	18	29	31	28
TN08-109	15	31	30	30	16	24	26	25
Mean	20	32	33	31	15	27	28	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Stuttgart, AR	Area Mean
DILLON	1.0	2.0	1.5
AGS606RR	1.0	1.7	1.4
NC-ROY	3.0	2.3	2.7
G05-1102 RR	1.0	1.3	1.2
G06-2460 RR	1.0	1.0	1.0
N05-7353	1.0	2.0	1.5
N05-7375	1.0	1.7	1.4
N06-06	1.0	1.7	1.3
N06-7023	1.0	2.0	1.5
NCC04-619	1.0	1.7	1.3
NCC05-1543	1.7	2.0	1.8
NCC06-1090	1.0	1.7	1.3
NCC06-5894R	1.3	1.7	1.5
NCC07-8138	1.0	1.3	1.2
R03-1250	1.0	1.0	1.0
R04-522	1.0	2.0	1.5
R05-3817	1.0	1.3	1.2
R07-10322	2.3	1.3	1.8
R07-1810	1.0	2.0	1.5
TN08-109	1.0	1.0	1.0
Mean	1.2	1.6	.

NOTE: Kinston, NC did not report lodging data, therefore there is no Table 65 for the East area.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	1.0	3.0	2.8	1.8	2.0	1.0	1.7	1.9
AGS606RR	1.0	2.0	1.7	1.3	1.7	1.0	1.0	1.4
NC-ROY	1.0	3.3	3.7	2.5	1.3	1.3	1.0	2.0
G05-1102 RR	1.0	2.0	1.5	1.0	1.7	1.0	1.3	1.4
G06-2460 RR	1.0	1.7	1.8	1.2	2.0	1.0	1.3	1.4
N05-7353	1.0	2.7	2.7	2.0	1.0	1.0	1.7	1.7
N05-7375	1.0	3.0	2.5	2.2	2.0	1.0	1.0	1.8
N06-06	1.0	2.7	1.7	1.2	1.3	1.0	1.0	1.4
N06-7023	1.0	2.3	1.7	2.3	1.3	1.0	1.0	1.6
NCC04-619	1.0	2.3	1.0	1.0	1.0	1.0	1.0	1.2
NCC05-1543	1.0	2.7	2.5	1.3	1.7	1.0	1.0	1.6
NCC06-1090	1.0	2.7	2.7	1.3	1.7	1.0	1.7	1.7
NCC06-5894R	1.0	2.0	2.2	1.3	1.7	1.0	1.0	1.5
NCC07-8138	1.0	2.3	1.8	1.2	1.0	1.0	1.0	1.3
R03-1250	1.0	2.3	1.0	1.0	1.0	1.0	1.0	1.2
R04-522	1.0	3.3	2.7	1.7	1.7	1.3	1.3	1.9
R05-3817	1.0	2.7	1.5	1.2	1.0	1.0	1.7	1.4
R07-10322	1.0	2.7	2.2	1.5	2.0	1.0	1.3	1.7
R07-1810	1.0	3.0	1.8	1.8	2.7	1.0	1.7	1.9
TN08-109	1.0	2.0	1.3	1.5	1.0	1.0	1.0	1.3
Mean	1.0	2.5	2.0	1.5	1.5	1.0	1.2	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

Delta

STRAIN/ VARIETY	Keiser, AR	Stuttgart, AR	Area Mean
DILLON	.	2.5	2.5
AGS606RR	.	2.5	2.5
NC-ROY	.	2.5	2.5
G05-1102 RR	.	2.0	2.0
G06-2460 RR	.	1.5	1.5
N05-7353	.	2.0	2.0
N05-7375	.	2.5	2.5
N06-06	.	2.5	2.5
N06-7023	.	2.0	2.0
NCC04-619	.	2.5	2.5
NCC05-1543	.	2.5	2.5
NCC06-1090	.	2.0	2.0
NCC06-5894R	.	2.0	2.0
NCC07-8138	.	2.5	2.5
R03-1250	.	2.5	2.5
R04-522	.	2.0	2.0
R05-3817	.	3.0	3.0
R07-10322	.	2.5	2.5
R07-1810	.	1.5	1.5
TN08-109	.	2.5	2.5
Mean	.	2.3	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

East

STRAIN/ VARIETY	Kinston, NC(B)	Area Mean
DILLON	1.2	1.2
AGS606RR	1.0	1.0
NC-ROY	1.5	1.5
G05-1102 RR	1.0	1.0
G06-2460 RR	1.3	1.3
N05-7353	1.3	1.3
N05-7375	1.2	1.2
N06-06	1.3	1.3
N06-7023	1.2	1.2
NCC04-619	1.2	1.2
NCC05-1543	1.0	1.0
NCC06-1090	1.5	1.5
NCC06-5894R	1.5	1.5
NCC07-8138	1.5	1.5
R03-1250	1.3	1.3
R04-522	1.3	1.3
R05-3817	1.3	1.3
R07-10322	1.2	1.2
R07-1810	1.3	1.3
TN08-109	1.5	1.5
Mean	1.3	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	2.5	.	.	.	1.0	1.0	2.0	1.6
AGS606RR	2.8	.	.	.	1.0	1.0	2.0	1.7
NC-ROY	1.7	.	.	.	1.0	1.0	1.8	1.4
G05-1102 RR	2.2	.	.	.	1.0	1.0	2.0	1.6
G06-2460 RR	2.2	.	.	.	1.0	1.0	1.7	1.5
N05-7353	2.3	.	.	.	1.0	1.0	1.7	1.5
N05-7375	2.5	.	.	.	1.0	1.0	1.8	1.6
N06-06	2.0	.	.	.	1.0	1.0	2.3	1.6
N06-7023	2.5	.	.	.	1.0	1.0	2.2	1.7
NCC04-619	2.0	.	.	.	1.0	1.0	1.7	1.4
NCC05-1543	2.2	.	.	.	1.0	1.0	2.5	1.7
NCC06-1090	2.7	.	.	.	1.0	1.0	2.0	1.7
NCC06-5894R	2.0	.	.	.	1.0	1.0	2.0	1.5
NCC07-8138	2.7	.	.	.	1.0	1.0	2.7	1.8
R03-1250	3.2	.	.	.	1.3	1.0	2.5	2.0
R04-522	2.8	.	.	.	2.0	1.0	2.3	2.0
R05-3817	3.2	.	.	.	1.3	1.0	2.5	2.0
R07-10322	3.0	.	.	.	1.5	1.0	2.5	2.0
R07-1810	2.5	.	.	.	1.2	1.0	2.0	1.7
TN08-109	2.7	.	.	.	1.3	1.0	3.2	2.0
Mean	2.5	.	.	.	1.1	1.0	2.2	.

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TABLE 67 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	AGS606RR	Commercial check		
3	NC-ROY	Holladay X Brim		
4	G08-1166 RR	S99-1171 X H7242 RR	F7d	
5	G08-1569 RR	H7242 RR(2) X N98-7261	F7d	
6	G08-3323 RR	BOGGS RR(2) X N98-7288	F7d	
7	G08-3658 RR	BOGGS RR(2) X N98-7288	F7d	
8	G08-4171 RR	N97-9658 X BOGGS RR	F7d	
9	N06-10029	Young x N6202	F4	Diversity, Exotic
10	N06-10053	Young x N6202	F4	Diversity, Exotic
11	N06-10059	Young x N6202	F4	Diversity, Exotic
12	N06-10237	Young x N6202	F4	Diversity, Exotic
13	N07-14182	N7002 x Clifford	F4	Diversity, Exotic
14	N07-14718	Young x N94-7350(SUZ)	F4	Diversity, Exotic
15	N07-14730	Young x N94-7350(SUZ)	F4	Diversity, Exotic
16	N07-187	5601T X N00-370		
17	N08-145	N99-186 X TN99-117		
18	N08-148	N99-186 X TN99-117		
19	N08-374	S99-1171 X N00-370		
20	N6202	N6201 x N95-7390	F4	Exotic
21	NCC07-7961	Md 99-6226x(N97-9677)	F4:8	
22	R06-4475	R98-3267F x R97-1832	F5	
23	R07-1738	R00-1076 x R01-2373	F5	
24	R07-6669	Lonoke x R00-33	F5	
25	R08-1178	S98-1375 x R97-1634	F5	
26	SC06-007RR	SC98-1850/SC00-892RR	F5	Long juvenile trait
27	SC06-013RR	SC98-1850/SC00-892RR	F5	Long juvenile trait
28	SC06-045RR	SC98-1850/SC00-892RR	F5	Long juvenile trait
29	SC06-051RR	SC98-1850/SC00-892RR	F5	Long juvenile trait
30	SC06-247RR	SC98-1850/SC00-579RR	F5	Long juvenile trait
31	TN08-113	TN02-303 x S98-1375		
32	TN08-114	TN02-303 x S98-1375		
33	TN08-109			
34	YoungBC4LX			

**TABLE 68 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VI FOR YEAR 2011**

STRAIN/ VARIETY	SEED		AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED		% PROTEIN	% OIL	HG TYPE	HG TYPE	HG TYPE	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK					QUALITY	SIZE			1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5					
DILLON	56.0	13	16	0	1.5	37	2.0	17.0	42.0	21.6	4	5	5	MS	4	P	G	T
AGS606RR	56.6	10	15	-3	1.2	32	2.0	16.7	42.4	21.3	.	.	.	R	1	W	T	T
NC-ROY	58.9	7	9	7	1.9	37	1.9	14.3	41.8	20.8	4	5	5	MS	4	W	G	Br
G08-1166 RR	53.3	21	20	5	1.4	37	1.7	16.4	40.9	22.4	1	1	1	S	5	P	T	T
G08-1569 RR	50.3	28	25	3	1.6	41	1.9	16.1	39.9	22.4	4	1	5	R	1	P	T	T
G08-3323 RR	48.8	30	27	3	1.3	38	1.8	12.5	41.6	21.1	4	1	4	R	1	W	T	T
G08-3658 RR	50.4	27	24	3	1.6	40	1.8	13.9	41.2	21.5	3	1	3	R	1	W	T	T
G08-4171 RR	55.9	14	16	5	2.2	40	1.8	13.0	40.3	22.4	4	1	4	S	5	W	T	T
N06-10029	48.1	32	27	0	2.2	35	1.9	19.6	42.0	20.9	5	5	5	R	1	P	G	T
N06-10053	52.5	25	22	0	1.6	35	2.0	18.6	41.9	21.7	5	5	5	S	5	S	G	T
N06-10059	52.9	22	22	1	1.5	34	2.0	20.8	43.0	21.7	5	5	5	R	1	S	G	T
N06-10237	56.5	11	15	0	1.5	33	2.0	17.2	42.1	21.2	5	5	5	R	1	P	G	T
N07-14182	59.4	3	10	6	1.2	32	2.0	17.5	41.4	21.6	4	5	5	S	5	P	T	Br
N07-14718	58.9	6	9	3	1.4	33	1.8	16.8	42.1	21.9	5	5	5	S	5	P	G	T
N07-14730	54.9	18	15	2	1.8	36	1.9	15.9	41.1	22.0	4	5	5	S	5	W	G	T
N07-187	60.9	2	6	6	1.9	36	1.7	15.3	40.1	22.4	5	5	4	R	1	W	G	T
N08-145	65.6	1	2	0	1.1	29	1.8	18.1	40.4	22.4	5	5	5	R	1	P	T	T
N08-148	55.2	16	15	1	1.2	28	2.4	15.7	38.7	22.9	4	4	5	S	5	P	G	T
N08-374	59.4	4	9	2	1.0	28	2.0	16.4	40.9	22.4	5	5	5	R	1	P	G	T
N6202	50.8	26	25	2	2.0	33	2.0	24.2	44.0	20.6	4	5	5	R	1	P	G	T
NCC07-7961	56.2	12	14	-5	1.0	27	2.2	16.5	39.7	22.6	5	5	5	R	1	P	G	T
R06-4475	58.8	8	10	-4	1.7	32	1.8	15.3	39.8	22.3	5	1	5	S	5	W	T	T
R07-1738	52.6	24	19	-3	1.6	35	1.9	16.4	41.4	21.9	3	2	5	R	1	W	G	T
R07-6669	59.3	5	10	-3	1.5	35	1.8	14.7	40.1	21.6	4	2	4	R	1	W	G	T
R08-1178	57.7	9	14	-1	1.1	30	1.9	18.2	39.5	22.3	4	5	5	MS	4	W	G	T
SC06-007RR	49.9	29	24	0	1.3	30	2.0	18.8	41.1	22.4	4	4	.	R	1	P	G	T
SC06-013RR	46.0	34	30	2	1.5	34	2.0	19.3	42.7	21.9	4	.	3	MS	4	P	G	T
SC06-045RR	48.3	31	26	9	1.5	37	1.8	18.9	42.1	21.3	5	5	5	R	1	P	G	T
SC06-051RR	55.6	15	15	9	1.6	38	1.9	18.2	42.1	21.0	5	5	3	R	1	P	G	T
SC06-247RR	47.5	33	27	2	1.7	36	2.1	13.1	40.8	21.6	5	2	4	S	5	W	G	T
TN08-113	55.0	17	17	-2	1.2	32	1.9	17.5	38.2	22.2	2	4	2	S	5	W	T	T
TN08-114	53.6	20	21	-2	1.0	29	2.0	16.2	38.5	22.1	1	4	1	S	5	W	T	T
TN08-109	52.7	23	21	-4	1.0	28	2.1	16.1	38.0	22.6	2	4	2	S	5	W	T	T
YoungBC4LX	54.6	19	20	2	2.1	40	2.1	16.7	42.5	21.6	5	5	5	S	5	W	G	T
Mean	54.5	.	.	1	1.5	34	1.9	16.8	41.0	21.8	.	.	.	.	.	.	.	.
LSD(0.05)	5.4	.	.	4	.	3	0.3	1.0	0.8	0.4	.	.	.	.	.	.	.	.
CV(%)	11.4	.	.	289	.	11	14.3	4.2	1.6	1.5	.	.	.	.	.	.	.	.

TABLE 69 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	45.1	64.6	46.3	51.1	66.1	62.9	56.0
AGS606RR	39.4	64.7	50.5	53.5	61.9	68.4	56.6
NC-ROY	49.3	67.1	43.6	60.2	66.5	65.6	58.9
G08-1166 RR	44.4	55.5	48.0	53.7	60.3	57.8	53.3
G08-1569 RR	47.6	54.7	41.9	50.9	56.3	50.8	50.3
G08-3323 RR	44.8	50.3	43.4	51.7	53.2	50.2	48.8
G08-3658 RR	49.7	54.0	38.8	53.6	54.3	51.7	50.4
G08-4171 RR	42.8	59.6	46.5	57.2	67.4	61.3	55.9
N06-10029	42.1	44.8	43.8	51.6	57.6	49.9	48.1
N06-10053	44.2	56.4	48.1	52.7	59.4	54.4	52.5
N06-10059	44.8	60.0	41.8	53.4	58.3	58.6	52.9
N06-10237	44.4	58.2	46.4	58.7	69.1	61.3	56.5
N07-14182	53.7	69.4	39.8	59.4	62.8	69.9	59.4
N07-14718	49.0	70.7	46.5	58.9	66.4	62.2	58.9
N07-14730	48.1	65.8	47.7	56.8	68.8	44.8	54.9
N07-187	54.0	68.2	50.9	59.0	66.2	66.7	60.9
N08-145	53.6	69.6	57.7	70.7	71.2	69.6	65.6
N08-148	49.3	60.9	36.4	59.5	63.5	60.2	55.2
N08-374	49.0	65.8	48.1	61.3	65.8	65.5	59.4
N6202	46.0	52.7	42.4	50.7	51.6	59.8	50.8
NCC07-7961	49.3	69.3	52.1	54.7	54.1	58.2	56.2
R06-4475	48.3	71.4	49.0	58.8	67.8	58.0	58.8
R07-1738	46.2	60.4	47.2	42.7	59.9	60.3	52.6
R07-6669	42.4	71.7	55.8	57.1	70.3	59.6	59.3
R08-1178	44.0	63.2	48.3	64.3	59.1	65.1	57.7
SC06-007RR	44.3	62.5	46.5	42.1	53.5	53.9	49.9
SC06-013RR	37.7	57.5	42.3	50.2	41.7	46.0	46.0
SC06-045RR	49.0	50.9	40.5	41.5	56.3	53.2	48.3
SC06-051RR	48.9	56.7	50.7	55.8	65.0	57.1	55.6
SC06-247RR	45.1	56.5	41.2	43.5	55.1	46.0	47.5
TN08-113	42.3	61.5	50.6	54.8	62.0	58.8	55.0
TN08-114	40.4	54.8	49.8	67.5	51.1	55.3	53.6
TN08-109	40.7	63.9	49.0	55.2	54.6	52.8	52.7
YoungBC4LX	36.9	68.1	41.7	49.8	65.3	65.3	54.6
Mean	45.8	61.2	46.3	54.8	60.7	58.3	54.5
LSD(0.05)	9.3	9.5	10.1	6.5	7.8	12.4	5.4
CV(%)	10.0	7.7	10.0	7.2	6.3	13.0	11.4

TABLE 70 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	21.9	.	22.3	21.8	20.4	21.6	21.6
AGS606RR	21.1	.	21.6	21.4	20.9	21.8	21.3
NC-ROY	21.1	.	21.0	20.9	19.9	21.3	20.8
G08-1166 RR	22.2	.	22.6	22.8	21.6	22.7	22.4
G08-1569 RR	22.0	.	22.6	23.3	20.9	22.9	22.4
G08-3323 RR	21.5	.	21.5	21.7	20.1	20.8	21.1
G08-3658 RR	21.8	.	21.7	22.0	20.3	21.5	21.5
G08-4171 RR	22.4	.	22.4	23.1	21.6	22.4	22.4
N06-10029	20.4	.	21.3	21.1	20.0	21.8	20.9
N06-10053	21.8	.	21.8	22.2	20.6	22.1	21.7
N06-10059	22.1	.	22.1	21.7	20.6	22.4	21.7
N06-10237	21.7	.	21.3	21.2	20.3	21.4	21.2
N07-14182	21.7	.	22.2	21.7	20.3	22.1	21.6
N07-14718	21.8	.	21.9	22.2	21.3	22.5	21.9
N07-14730	22.0	.	22.4	22.1	20.8	22.6	22.0
N07-187	22.2	.	22.9	22.5	21.3	23.0	22.4
N08-145	22.4	.	22.5	22.8	21.7	22.6	22.4
N08-148	23.0	.	22.8	23.4	22.3	23.1	22.9
N08-374	22.0	.	22.3	22.8	21.9	23.1	22.4
N6202	20.8	.	20.9	20.7	19.3	21.6	20.6
NCC07-7961	23.0	.	22.8	22.5	21.8	22.8	22.6
R06-4475	22.7	.	22.2	22.1	22.0	22.7	22.3
R07-1738	22.0	.	22.2	21.9	21.2	22.4	21.9
R07-6669	22.3	.	21.7	21.8	20.5	22.0	21.6
R08-1178	22.8	.	22.0	22.4	21.7	22.6	22.3
SC06-007RR	22.2	.	22.3	22.7	22.0	22.9	22.4
SC06-013RR	21.4	.	22.4	21.9	21.7	22.3	21.9
SC06-045RR	20.6	.	21.8	22.0	20.5	21.5	21.3
SC06-051RR	20.7	.	21.8	21.2	20.3	20.9	21.0
SC06-247RR	20.9	.	22.3	22.2	20.7	22.1	21.6
TN08-113	22.0	.	22.2	22.8	21.4	22.4	22.2
TN08-114	22.1	.	22.3	22.5	21.2	22.4	22.1
TN08-109	23.2	.	22.7	22.7	21.7	22.7	22.6
YoungBC4LX	21.3	.	21.9	21.6	20.9	22.2	21.6
Mean	21.8	.	22.1	22.1	21.0	22.2	.

TABLE 71 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	40.7	.	42.6	42.1	42.5	41.9	42.0
AGS606RR	41.9	.	42.7	42.9	42.0	42.6	42.4
NC-ROY	40.2	.	43.1	41.7	42.8	41.4	41.8
G08-1166 RR	39.7	.	41.9	40.3	41.5	41.4	40.9
G08-1569 RR	38.8	.	41.6	38.8	41.0	39.6	39.9
G08-3323 RR	39.3	.	42.9	41.2	41.5	43.1	41.6
G08-3658 RR	37.8	.	42.9	41.6	41.7	42.3	41.2
G08-4171 RR	38.6	.	41.8	39.8	40.7	40.7	40.3
N06-10029	41.2	.	43.1	42.0	42.5	41.3	42.0
N06-10053	40.6	.	42.3	41.6	42.5	42.2	41.9
N06-10059	40.8	.	43.9	43.1	44.5	42.6	43.0
N06-10237	40.3	.	43.3	42.1	43.2	41.6	42.1
N07-14182	39.9	.	42.2	41.8	41.8	41.3	41.4
N07-14718	41.2	.	42.5	42.1	43.5	41.0	42.1
N07-14730	39.0	.	42.3	41.1	42.4	40.5	41.1
N07-187	39.2	.	40.8	40.3	40.4	40.0	40.1
N08-145	39.9	.	41.3	40.1	40.9	39.8	40.4
N08-148	37.8	.	40.0	38.3	38.9	38.5	38.7
N08-374	40.3	.	41.9	41.3	40.7	40.2	40.9
N6202	42.4	.	45.3	43.5	45.2	44.0	44.0
NCC07-7961	37.7	.	40.2	40.2	40.3	40.2	39.7
R06-4475	38.3	.	40.7	41.6	39.4	39.2	39.8
R07-1738	40.5	.	42.0	41.5	42.2	40.9	41.4
R07-6669	38.3	.	40.9	41.1	40.7	39.5	40.1
R08-1178	37.9	.	40.9	40.1	39.0	39.4	39.5
SC06-007RR	40.3	.	42.7	41.4	40.5	40.6	41.1
SC06-013RR	42.9	.	43.0	42.8	42.1	42.7	42.7
SC06-045RR	41.0	.	42.9	41.7	43.3	41.9	42.1
SC06-051RR	41.3	.	42.2	42.4	42.1	42.4	42.1
SC06-247RR	39.7	.	42.0	40.7	41.0	40.8	40.8
TN08-113	36.1	.	40.4	38.0	38.5	38.3	38.2
TN08-114	37.4	.	39.0	38.5	39.1	38.4	38.5
TN08-109	34.9	.	38.6	39.0	39.4	38.4	38.0
YoungBC4LX	41.5	.	43.8	42.9	42.6	41.5	42.5
Mean	39.6	.	42.0	41.1	41.5	40.9	.

TABLE 72 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	.	16.5	18.1	17.3	16.0	17.0
AGS606RR	.	.	15.9	18.2	15.6	17.0	16.7
NC-ROY	.	.	14.0	14.2	14.1	14.7	14.3
G08-1166 RR	.	.	17.4	15.9	15.0	17.5	16.4
G08-1569 RR	.	.	16.3	16.8	15.3	15.9	16.1
G08-3323 RR	.	.	13.2	12.8	11.6	12.3	12.5
G08-3658 RR	.	.	14.3	14.1	13.4	13.7	13.9
G08-4171 RR	.	.	12.7	13.4	13.1	13.0	13.0
N06-10029	.	.	20.2	19.8	19.4	19.2	19.6
N06-10053	.	.	18.8	20.5	18.4	16.8	18.6
N06-10059	.	.	21.0	22.5	21.1	18.7	20.8
N06-10237	.	.	16.7	18.2	17.4	16.4	17.2
N07-14182	.	.	17.4	18.9	16.8	16.9	17.5
N07-14718	.	.	16.0	18.0	17.9	15.2	16.8
N07-14730	.	.	16.0	16.6	16.7	14.4	15.9
N07-187	.	.	14.8	16.3	15.4	14.8	15.3
N08-145	.	.	16.7	19.3	18.9	17.3	18.1
N08-148	.	.	14.7	16.8	15.4	15.8	15.7
N08-374	.	.	16.3	17.8	16.0	15.5	16.4
N6202	.	.	23.8	26.1	24.6	22.3	24.2
NCC07-7961	.	.	16.3	16.8	16.7	16.1	16.5
R06-4475	.	.	14.6	16.8	15.8	13.9	15.3
R07-1738	.	.	16.4	17.5	16.5	15.1	16.4
R07-6669	.	.	14.2	16.6	14.7	13.2	14.7
R08-1178	.	.	17.6	19.0	17.4	18.7	18.2
SC06-007RR	.	.	18.6	20.1	17.9	18.6	18.8
SC06-013RR	.	.	19.2	19.6	19.5	18.9	19.3
SC06-045RR	.	.	19.4	19.3	19.2	17.7	18.9
SC06-051RR	.	.	18.6	18.9	18.2	17.3	18.2
SC06-247RR	.	.	13.4	14.2	12.4	12.5	13.1
TN08-113	.	.	17.4	17.6	18.0	17.0	17.5
TN08-114	.	.	16.4	17.0	15.5	15.8	16.2
TN08-109	.	.	15.6	17.4	15.8	15.6	16.1
YoungBC4LX	.	.	17.0	17.8	16.4	15.6	16.7
Mean	.	.	16.7	17.7	16.7	16.2	.

TABLE 73 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	10/26	10/24	10/20	.	10/2	10/7	10/15
AGS606RR	-4	1	-9	.	-2	-2	-3
NC-ROY	4	5	1	.	12	12	7
G08-1166 RR	4	4	4	.	4	8	5
G08-1569 RR	2	4	2	.	4	3	3
G08-3323 RR	-1	4	4	.	3	5	3
G08-3658 RR	1	4	1	.	3	5	3
G08-4171 RR	4	4	0	.	6	10	5
N06-10029	-1	4	0	.	2	-5	0
N06-10053	-1	2	-1	.	3	-3	0
N06-10059	0	4	1	.	3	-3	1
N06-10237	-4	3	-1	.	4	-2	0
N07-14182	5	2	2	.	10	11	6
N07-14718	3	3	2	.	4	3	3
N07-14730	3	4	0	.	4	-1	2
N07-187	5	4	2	.	10	9	6
N08-145	1	3	-5	.	3	-1	0
N08-148	2	3	-6	.	2	2	1
N08-374	-1	5	-1	.	4	2	2
N6202	1	3	2	.	3	0	2
NCC07-7961	-8	5	-11	.	-4	-9	-5
R06-4475	-7	3	-6	.	-3	-6	-4
R07-1738	-5	3	-7	.	-2	-6	-3
R07-6669	-6	4	-8	.	0	-7	-3
R08-1178	0	4	-5	.	-2	-1	-1
SC06-007RR	7	3	-8	.	-4	1	0
SC06-013RR	11	3	-3	.	0	2	2
SC06-045RR	16	7	4	.	4	14	9
SC06-051RR	16	7	4	.	4	13	9
SC06-247RR	9	3	-1	.	-3	1	2
TN08-113	0	3	-6	.	0	-6	-2
TN08-114	-1	3	-6	.	-2	-4	-2
TN08-109	-3	4	-12	.	-3	-7	-4
YoungBC4LX	1	0	2	.	4	1	2
Mean	2	3	-2	.	2	1	.

TABLE 74 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	34	35	51	37	31	32	36
AGS606RR	29	37	49	29	21	26	31
NC-ROY	36	31	50	35	34	37	37
G08-1166 RR	36	37	45	37	35	34	37
G08-1569 RR	38	38	54	43	34	39	41
G08-3323 RR	36	41	45	39	32	37	38
G08-3658 RR	36	39	54	43	33	37	40
G08-4171 RR	38	41	53	42	37	30	40
N06-10029	35	39	39	36	28	31	35
N06-10053	34	38	43	37	33	28	35
N06-10059	33	33	48	35	25	30	34
N06-10237	34	34	48	32	25	28	33
N07-14182	32	30	46	33	22	29	32
N07-14718	30	30	45	34	28	29	33
N07-14730	33	36	53	35	30	32	36
N07-187	36	38	41	34	32	35	36
N08-145	27	34	36	31	22	27	29
N08-148	26	28	38	30	21	25	28
N08-374	30	26	40	29	19	25	28
N6202	32	38	45	33	23	30	33
NCC07-7961	27	28	34	26	28	22	27
R06-4475	34	31	43	34	23	30	32
R07-1738	31	34	49	33	32	32	35
R07-6669	34	37	50	35	23	31	35
R08-1178	30	29	41	31	22	29	30
SC06-007RR	29	35	41	32	19	27	30
SC06-013RR	30	37	48	38	20	30	34
SC06-045RR	30	39	49	36	30	36	37
SC06-051RR	33	39	48	40	31	38	38
SC06-247RR	30	37	45	38	28	37	36
TN08-113	30	36	43	31	24	28	32
TN08-114	26	27	48	29	21	26	29
TN08-109	26	28	41	28	22	23	28
YoungBC4LX	37	37	54	44	34	33	40
Mean	32	34	46	35	27	31	.

**TABLE 75 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI FOR YEAR 2011**

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	1.7	1.0	.	1.0	2.5	1.0	1.5
AGS606RR	1.7	1.0	.	1.0	1.5	1.0	1.2
NC-ROY	2.3	1.5	.	1.0	2.5	2.3	1.9
G08-1166 RR	1.5	1.0	.	1.0	2.5	1.0	1.4
G08-1569 RR	2.0	1.0	.	1.0	2.5	1.3	1.6
G08-3323 RR	1.2	1.0	.	1.3	2.0	1.0	1.3
G08-3658 RR	1.5	1.0	.	1.3	3.0	1.0	1.6
G08-4171 RR	2.5	1.0	.	1.7	3.0	2.7	2.2
N06-10029	1.7	3.0	.	2.0	3.0	1.3	2.2
N06-10053	1.5	2.0	.	1.0	2.0	1.7	1.6
N06-10059	2.0	1.0	.	1.3	2.0	1.0	1.5
N06-10237	1.5	1.0	.	1.7	2.0	1.3	1.5
N07-14182	1.2	1.0	.	1.0	2.0	1.0	1.2
N07-14718	1.0	1.0	.	1.0	2.5	1.3	1.4
N07-14730	2.0	1.5	.	1.7	2.5	1.3	1.8
N07-187	1.7	2.5	.	1.0	2.0	2.3	1.9
N08-145	1.0	1.0	.	1.0	1.5	1.0	1.1
N08-148	1.0	1.0	.	1.0	2.0	1.0	1.2
N08-374	1.0	1.0	.	1.0	1.0	1.0	1.0
N6202	1.7	2.5	.	1.7	2.5	1.7	2.0
NCC07-7961	1.0	1.0	.	1.0	1.0	1.0	1.0
R06-4475	2.0	1.0	.	1.7	2.5	1.3	1.7
R07-1738	2.0	1.0	.	1.3	2.5	1.0	1.6
R07-6669	2.0	1.0	.	1.0	2.0	1.3	1.5
R08-1178	1.0	1.0	.	1.0	1.5	1.0	1.1
SC06-007RR	1.5	1.0	.	1.0	2.0	1.0	1.3
SC06-013RR	1.2	1.5	.	1.3	2.0	1.3	1.5
SC06-045RR	1.2	1.0	.	1.0	3.0	1.0	1.5
SC06-051RR	1.8	1.5	.	1.3	2.5	1.0	1.6
SC06-247RR	1.5	1.0	.	2.0	2.5	1.7	1.7
TN08-113	1.0	1.0	.	1.0	1.0	2.0	1.2
TN08-114	1.0	1.0	.	1.0	1.0	1.0	1.0
TN08-109	1.0	1.0	.	1.0	1.0	1.0	1.0
YoungBC4LX	2.2	1.0	.	1.7	3.5	2.0	2.1
Mean	1.5	1.2	.	1.2	2.1	1.3	.

TABLE 76 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2011

STRAIN/ VARIETY	Clemson, SC	Keiser, AR	Kinston, NC(B)	Plains, GA	Stuttgart, AR	Tallassee, AL(A)	Test Mean
DILLON	.	.	1.3	3.0	2.5	1.2	2.0
AGS606RR	.	.	1.3	2.8	2.5	1.5	2.0
NC-ROY	.	.	1.5	2.5	2.5	1.0	1.9
G08-1166 RR	.	.	1.0	2.8	2.0	1.0	1.7
G08-1569 RR	.	.	1.5	2.5	2.5	1.0	1.9
G08-3323 RR	.	.	1.5	2.5	2.0	1.0	1.8
G08-3658 RR	.	.	1.5	2.3	2.5	1.0	1.8
G08-4171 RR	.	.	1.5	2.5	2.0	1.0	1.8
N06-10029	.	.	1.5	2.7	2.5	1.0	1.9
N06-10053	.	.	1.3	3.0	3.0	1.0	2.0
N06-10059	.	.	1.5	3.0	2.5	1.0	2.0
N06-10237	.	.	1.5	3.2	2.5	1.0	2.0
N07-14182	.	.	1.5	2.8	2.0	1.7	2.0
N07-14718	.	.	1.3	2.7	2.5	1.0	1.8
N07-14730	.	.	1.3	2.8	2.5	1.0	1.9
N07-187	.	.	1.5	2.3	2.0	1.0	1.7
N08-145	.	.	1.0	2.5	3.0	1.0	1.8
N08-148	.	.	1.5	3.8	3.5	1.0	2.4
N08-374	.	.	1.5	2.8	2.5	1.0	2.0
N6202	.	.	1.5	3.2	2.5	1.0	2.0
NCC07-7961	.	.	1.5	3.3	3.0	1.0	2.2
R06-4475	.	.	1.3	2.8	2.0	1.0	1.8
R07-1738	.	.	1.5	2.8	2.0	1.0	1.9
R07-6669	.	.	1.3	3.0	2.0	1.0	1.8
R08-1178	.	.	1.3	2.7	3.0	1.0	1.9
SC06-007RR	.	.	1.5	3.0	2.5	1.2	2.0
SC06-013RR	.	.	1.5	2.8	2.5	1.0	2.0
SC06-045RR	.	.	1.5	2.5	2.3	1.0	1.8
SC06-051RR	.	.	1.3	3.0	2.5	1.0	1.9
SC06-247RR	.	.	1.5	2.8	3.0	1.0	2.1
TN08-113	.	.	1.5	2.5	2.5	1.0	1.9
TN08-114	.	.	1.5	2.8	2.5	1.0	2.0
TN08-109	.	.	1.3	3.0	2.5	1.7	2.1
YoungBC4LX	.	.	1.5	3.0	3.0	1.0	2.1
Mean	.	.	1.4	2.8	2.5	1.1	.

TABLE 77 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	AGS758RR	Commercial check		
2	G03-1187 RR	Commercial check		
3	N7002	N7001 x Cook		
4	N7003CN	Cook x Anand		
5	G04-2215 RR	G96-2272 X H7242 RR	F5d	
6	G06-3182 RR	G99-4158 X P97M50	F5d	
7	G07-1366 RR	G00-3213 X [BOGGS-RR(3) X N98-7288]	F5d	
8	G07-3192 RR	G98-1053 X BOGGS-RR	F5d	
9	G07-3651 RR	G00-3213 X P97M50	F5d	
10	G07-3839 RR	G01-2633 X P97M50	F5d	
11	N05-7281	N96-6809 x N98-7265	F4	Diversity, Drought, Exotic
12	N05-7462	5601T x N96-6809	F4	Diversity, Exotic
13	NCC06-5754R	TN99-184xNC ROY RR, BC4F2	F4:9	
14	NCC06-7018R	N97-9612xNC ROY RR, BC4F2	F4:9	
15	NCC06-899	R97-1634xN97-9693	F4:9	
16	NCC06-929	R97-1634xN97-9693	F4:9	
17	SC06-301RR	N97-9658/SC01-783RR	F5	
18	SC07-1029RR	G00-3213/SC00-643RR	F5	
19	SC07-108RR	N97-9658/SC01-783RR	F5	
20	TCHM06-M-204	Late maturing mutant in Holladay		Yield
21	N05-7452	N7002 x 5601T		

**TABLE 78 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VII FOR YEAR 2011**

STRAIN/ VARIETY	AVERAGE		YIELD‡			PROTEIN			OIL		
	RANK	RANK	2011	10-11	09-11	2011	10-11	09-11	2011	10-11	09-11
AGS758RR	20	16	41.6	41.6	43.0	40.0	39.8	40.0	21.5	20.7	20.2
G03-1187 RR	21	15	41.6	.	45.6	39.4	.	39.7	22.1	.	21.0
N7002	7	9	44.9	45.9	48.4	40.3	39.9	40.2	21.2	20.6	20.3
N7003CN	13	12	43.9	43.9	43.9	39.9	39.6	39.6	21.8	20.8	20.8
G04-2215 RR	10	12	44.5	44.6	46.2	38.8	38.2	38.3	22.1	21.8	21.2
G06-3182 RR	3	9	46.2	46.0	.	38.9	38.6	.	21.7	20.5	.
G07-1366 RR	14	12	43.9	.	.	41.0	.	.	21.1	.	.
G07-3192 RR	19	14	42.0	.	.	40.8	.	.	21.7	.	.
G07-3651 RR	11	10	44.4	.	.	40.5	.	.	21.5	.	.
G07-3839 RR	9	10	44.6	.	.	40.7	.	.	22.4	.	.
N05-7281	8	10	44.8	44.6	46.0	40.2	39.5	39.7	21.9	21.7	21.5
N05-7462	12	11	44.0	44.7	46.7	38.6	38.3	38.7	22.4	21.9	21.7
NCC06-5754R	18	14	42.7	44.0	.	40.2	39.7	.	22.1	21.5	.
NCC06-7018R	16	13	43.4	44.3	.	40.5	40.2	.	21.3	20.7	.
NCC06-899	2	9	46.8	48.6	.	39.2	38.8	.	22.5	22.1	.
NCC06-929	5	8	45.5	47.0	.	39.5	39.3	.	22.8	22.1	.
SC06-301RR	4	8	45.9	45.0	.	39.8	39.7	.	22.4	21.7	.
SC07-1029RR	17	11	43.3	.	.	41.4	.	.	21.5	.	.
SC07-108RR	1	8	46.9	.	.	39.7	.	.	21.6	.	.
TCHM06-M-204	15	12	43.5	.	.	38.5	.	.	22.2	.	.
N05-7452	6	9	45.4	44.9	46.8	40.2	39.4	39.8	21.8	21.1	20.8
Mean	.	.	44.3	.	.	39.9	.	.	21.9	.	.
LSD(0.05)	.	.	3.3	.	.	0.7	.	.	0.4	.	.
CV(%)	.	.	12.8	.	.	1.9	.	.	1.9	.	.

‡Data not included in mean: 2011 – Fairhope, AL
2010 – Calhoun, GA
2009 – Calhoun, GA; Clemson, SC; Tallassee, AL (only yield was omitted)

TABLE 79 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2011

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
AGS758RR	0	1.6	33	1.9	14.6			
G03-1187 RR	2	1.6	33	1.8	15.9			
N7002	4	1.5	32	1.8	14.1	P	G	T
N7003CN	3	1.5	33	2.0	17.2			
G04-2215 RR	3	1.2	30	1.8	13.0	W	T	T
G06-3182 RR	0	1.3	30	1.9	14.7	P	T	T
G07-1366 RR	2	2.0	35	1.8	14.9	W	T	T
G07-3192 RR	-2	1.4	34	1.8	13.4	W	T	T
G07-3651 RR	1	1.7	35	1.8	14.1	P	T	T
G07-3839 RR	2	1.3	33	1.9	18.1	P	T	T
N05-7281	4	1.3	32	1.7	16.4	P	G	
N05-7462	1	1.7	35	1.7	17.1	W	G	
NCC06-5754R	-1	1.1	28	2.0	14.8	S	G	T
NCC06-7018R	3	1.7	32	1.8	14.2	W	G	Br
NCC06-899	2	1.8	31	1.8	16.6	W	G	T
NCC06-929	6	1.5	29	1.8	17.2	W	G	T
SC06-301RR	4	1.4	33	1.8	14.0	P	G	T
SC07-1029RR	4	1.8	37	1.6	16.0	W	T	T
SC07-108RR	7	1.4	34	1.8	14.8	P	G	T
TCHM06-M-204	-2	1.3	30	2.1	15.8	P	G	
N05-7452	0	1.3	30	1.7	11.9	P	G	
Mean	2	1.5	32	1.8	15.2			
LSD(0.05)	2	0.3	2	0.2	0.7			
CV(%)	150	26.0	9	13.0	4.8			

**TABLE 80 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VII FOR YEAR 2011**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SC	SC	SDS
	1.2.5.7	0	2.5.7						GA	GA	RATING	SCORE	DX
	Race 2	Race 3	Race 5					
AGS758RR	5	1	3	1.8	1.0	R	1.0	.
G03-1187 RR	4	1	3	1.3	1.3	R	1.0	.
N7002	5	3	4	4.8	1.8	MS	4.0	.
N7003CN	2	1	1	4.8	3.8	MS	4.0	.
G04-2215 RR	5	1	4	4.3	1.0	R	1.0	.
G06-3182 RR	3	1	3	3.5	1.0	R	1.0	.
G07-1366 RR	4	1	3	2.8	1.0	S	5.0	.
G07-3192 RR	2	1	1	2.0	1.8	R	1.0	.
G07-3651 RR	4	1	3	1.5	2.0	R	1.0	.
G07-3839 RR	4	1	4	4.0	1.3	R	1.0	.
N05-7281	5	2	4	4.5	3.0	S	5.0	.
N05-7462	5	3	4	5.0	3.8	S	5.0	.
NCC06-5754R	5	2	4	4.3	3.5	R	1.0	.
NCC06-7018R	5	2	4	4.5	1.3	S	5.0	.
NCC06-899	5	2	5	4.5	2.0	S	5.0	.
NCC06-929	5	2	5	3.5	2.8	S	5.0	.
SC06-301RR	4	1	3	3.5	1.3	S	5.0	.
SC07-1029RR	5	1	3	4.5	4.3	S	5.0	.
SC07-108RR	5	1	3	3.5	1.3	S	5.0	.
TCHM06-M-204	4	2	5	4.5	3.0	S	5.0	.
N05-7452	5	3	4	4.3	1.5	S	5.0	.

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
AGS758 RR	33.3	37.2	35.3
G03-1187 RR	29.6	37.8	33.7
N7002	28.7	40.5	34.6
N7003CN	36.0	39.9	37.9
G04-2215 RR	27.9	37.4	32.7
G06-3182 RR	33.9	41.0	37.4
G07-1366 RR	34.3	41.1	37.7
G07-3192 RR	35.1	39.5	37.3
G07-3651 RR	34.6	42.9	38.8
G07-3839 RR	30.3	40.0	35.1
N05-7281	34.2	41.5	37.9
N05-7462	32.2	44.2	38.2
NCC06-5754R	30.0	37.7	33.8
NCC06-7018R	33.0	41.3	37.2
NCC06-899	37.7	40.4	39.0
NCC06-929	38.7	41.2	40.0
SC06-301RR	34.5	43.2	38.8
SC07-1029RR	36.0	40.9	38.5
SC07-108RR	28.3	41.2	34.8
TCHM06-M-204	37.7	36.2	37.0
N05-7452	34.9	44.4	39.7
Mean	33.4	40.5	36.9
LSD(0.05)	7.3	5.6	5.2
CV(%)	13.3	8.3	11.1

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope,‡ AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	22.9	24.4	47.8	35.5	45.8	41.8	42.7	54.1	48.1	65.9	42.9
G03-1187 RR	18.1	25.9	48.3	34.0	39.5	44.4	34.6	58.0	58.7	70.2	44.1
N7002	26.3	28.7	53.7	36.4	47.7	49.3	49.9	62.6	53.5	61.7	46.7
N7003CN	26.0	19.2	52.2	34.7	40.0	49.2	35.5	53.3	59.6	81.1	46.2
G04-2215 RR	17.4	23.1	49.4	35.5	53.4	50.1	43.3	64.4	62.9	69.3	47.3
G06-3182 RR	23.5	19.3	52.8	36.0	50.9	51.1	39.9	63.5	66.1	77.5	48.8
G07-1366 RR	21.5	23.8	41.3	45.0	43.9	47.7	47.1	56.4	51.7	71.6	44.8
G07-3192 RR	19.7	19.5	50.8	36.6	38.5	44.6	46.1	58.9	50.0	65.1	42.6
G07-3651 RR	24.2	22.1	46.2	37.1	39.4	49.8	47.6	55.5	55.9	77.5	45.3
G07-3839 RR	23.3	25.5	42.9	40.8	51.8	46.3	47.6	59.8	58.3	69.2	46.4
N05-7281	23.8	24.1	59.3	35.5	46.3	45.6	56.3	61.8	43.1	63.7	45.0
N05-7462	24.9	26.8	46.0	32.8	47.0	44.7	42.3	60.4	55.0	72.3	45.5
NCC06-5754R	24.4	19.7	57.7	32.7	42.0	44.6	43.3	67.3	51.8	61.4	44.6
NCC06-7018R	18.0	21.6	53.2	34.3	50.6	42.3	47.6	60.4	53.2	65.0	44.3
NCC06-899	22.4	23.1	49.8	35.2	57.8	46.6	44.8	65.7	62.8	75.3	48.7
NCC06-929	24.1	27.1	57.3	38.3	46.4	51.8	39.5	58.3	61.2	61.8	47.4
SC06-301RR	29.7	25.0	50.7	36.0	46.2	51.0	44.8	65.4	57.6	66.9	47.6
SC07-1029RR	23.2	23.4	44.7	39.5	46.5	48.0	46.9	60.3	44.3	65.6	44.0
SC07-108RR	29.4	26.4	50.3	35.7	61.1	50.1	49.9	60.1	60.8	69.8	49.3
TCHM06-M-204	18.7	23.9	55.8	36.3	41.3	45.6	45.0	58.1	55.8	68.0	44.8
N05-7452	25.3	23.0	51.3	33.4	50.1	45.1	47.6	64.2	56.8	69.3	46.5
Mean	23.2	23.6	50.5	36.2	47.0	47.1	44.9	60.4	55.6	69.0	45.9
LSD(0.05)	5.5	5.8	6.5	4.3	11.5	7.2	13.0	6.0	11.0	7.9	3.9
CV(%)	14.4	15.0	7.8	7.3	14.9	9.2	17.5	6.0	11.3	6.9	12.3

‡Data not included in mean.

TABLE 82 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	21.0	21.7	22.4	20.8	21.1	21.9	22.4	20.9	21.7	21.7	21.5
G03-1187 RR	20.7	21.5	23.5	21.3	21.9	21.9	23.0	21.6	22.6	23.2	22.1
N7002	20.5	21.2	22.0	20.9	21.2	20.9	21.6	20.7	21.7	21.8	21.2
N7003CN	21.7	22.0	22.7	21.8	21.8	21.9	22.1	21.3	22.2	21.1	21.8
G04-2215 RR	21.4	22.1	22.3	21.5	21.8	21.8	23.1	21.8	22.9	22.5	22.1
G06-3182 RR	20.3	21.5	22.6	21.6	21.8	21.2	22.1	21.3	22.2	22.1	21.7
G07-1366 RR	19.1	20.3	21.5	21.1	21.2	21.0	21.9	20.9	22.0	22.0	21.1
G07-3192 RR	20.8	21.5	21.4	21.8	21.0	21.5	22.5	21.5	22.4	22.5	21.7
G07-3651 RR	20.2	21.1	22.5	20.3	22.0	20.8	22.3	21.1	22.2	22.2	21.5
G07-3839 RR	21.4	22.1	23.4	22.4	22.4	22.1	23.5	22.1	22.6	22.5	22.4
N05-7281	21.5	21.6	23.1	21.8	21.6	21.3	22.5	21.2	22.5	22.2	21.9
N05-7462	21.5	22.0	23.3	22.6	22.8	21.2	22.7	22.1	22.7	23.3	22.4
NCC06-5754R	21.3	21.8	22.7	21.9	23.1	21.9	22.3	21.6	22.2	22.7	22.1
NCC06-7018R	20.7	21.3	21.7	21.5	21.6	21.3	21.8	20.3	21.6	21.4	21.3
NCC06-899	21.9	23.0	23.4	21.4	23.4	21.9	22.9	22.0	22.6	22.7	22.5
NCC06-929	22.7	23.3	23.6	22.5	23.1	22.1	23.0	22.2	22.4	22.9	22.8
SC06-301RR	22.2	22.8	22.8	22.2	21.5	22.3	23.2	22.1	22.6	22.1	22.4
SC07-1029RR	20.7	21.3	22.4	20.6	21.1	20.7	22.6	21.8	22.5	21.9	21.5
SC07-108RR	20.4	21.1	22.6	21.0	20.9	21.1	22.8	21.2	22.6	21.9	21.6
TCHM06-M-204	21.4	22.2	23.2	21.6	23.0	21.6	22.1	21.8	22.6	23.0	22.2
N05-7452	21.5	21.5	21.9	21.3	21.3	21.9	22.2	21.7	22.2	22.1	21.8
Mean	21.1	21.7	22.6	21.5	21.9	21.5	22.5	21.5	22.3	22.3	.

TABLE 83 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	39.2	38.2	40.1	40.8	39.2	38.0	41.4	41.3	41.0	40.8	40.0
G03-1187 RR	37.4	37.9	39.3	41.3	39.5	38.2	40.5	40.6	40.2	38.8	39.4
N7002	39.2	38.6	40.9	41.4	39.6	39.3	41.9	41.7	40.7	40.3	40.3
N7003CN	38.9	38.4	39.8	40.9	40.2	38.6	40.3	40.3	39.9	41.8	39.9
G04-2215 RR	36.8	36.9	39.7	40.3	39.4	37.4	39.5	40.1	38.6	39.6	38.8
G06-3182 RR	38.6	36.9	38.3	40.9	37.8	38.0	40.9	39.2	38.6	39.6	38.9
G07-1366 RR	39.4	38.8	41.6	42.3	40.3	41.0	42.1	42.2	41.3	40.9	41.0
G07-3192 RR	40.0	38.8	41.2	42.5	41.4	39.6	42.0	41.4	41.0	40.5	40.8
G07-3651 RR	39.0	39.3	40.9	41.2	38.3	42.0	41.5	42.3	40.2	40.4	40.5
G07-3839 RR	40.6	39.5	40.3	41.3	40.6	40.2	40.6	41.4	40.6	42.1	40.7
N05-7281	39.7	39.6	38.3	40.4	40.8	40.7	40.9	41.6	39.6	40.8	40.2
N05-7462	37.5	37.4	38.0	40.2	38.5	38.4	39.5	39.1	39.2	38.0	38.6
NCC06-5754R	40.7	38.6	39.9	42.0	38.7	39.5	40.7	40.7	41.1	40.1	40.2
NCC06-7018R	39.1	39.3	40.4	41.8	39.6	39.8	41.7	42.8	39.9	41.1	40.5
NCC06-899	38.2	37.2	38.9	40.7	37.3	38.9	40.3	39.6	40.2	40.6	39.2
NCC06-929	36.8	37.1	38.9	41.0	38.6	40.0	40.9	40.8	39.8	40.7	39.5
SC06-301RR	38.1	37.8	40.5	40.9	41.1	38.1	40.1	40.7	39.9	40.7	39.8
SC07-1029RR	39.4	39.8	42.0	41.9	42.6	41.3	41.9	42.3	40.8	42.2	41.4
SC07-108RR	38.0	37.5	39.1	41.4	41.0	39.4	39.9	41.4	39.4	40.4	39.7
TCHM06-M-204	39.9	37.5	37.1	40.1	37.5	37.3	40.7	38.5	38.1	38.4	38.5
N05-7452	37.8	38.4	40.3	42.3	40.0	39.3	41.4	40.7	41.2	40.4	40.2
Mean	38.8	38.3	39.8	41.2	39.6	39.3	40.9	40.9	40.1	40.4	.

TABLE 84 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Tifton, GA	Test Mean
AGS758 RR	13.3	13.3	.	.	16.1	12.8	.	17.7	14.0	14.8	14.8	15.0	14.6
G03-1187 RR	13.5	15.4	.	.	17.6	14.1	.	18.5	15.8	16.8	14.7	16.4	15.9
N7002	13.8	13.9	.	.	16.1	12.0	.	16.1	13.6	14.0	14.0	12.8	14.1
N7003CN	15.8	16.4	.	.	19.2	15.8	.	18.4	16.8	17.1	18.3	16.6	17.2
G04-2215 RR	11.2	12.5	.	.	15.0	10.3	.	15.0	12.8	13.1	13.9	12.9	13.0
G06-3182 RR	14.4	13.0	.	.	17.1	13.6	.	17.7	13.0	14.3	14.6	14.5	14.7
G07-1366 RR	14.3	14.9	.	.	17.9	12.8	.	17.3	13.7	15.2	14.1	14.4	14.9
G07-3192 RR	12.7	11.6	.	.	15.2	12.3	.	15.4	13.8	13.4	13.3	12.5	13.4
G07-3651 RR	12.4	13.6	.	.	16.9	12.5	.	16.7	12.8	14.2	14.0	14.4	14.1
G07-3839 RR	17.1	16.3	.	.	19.7	15.6	.	20.5	18.2	18.1	18.6	19.1	18.1
N05-7281	13.6	15.4	.	.	18.4	14.9	.	19.6	15.6	16.9	17.2	15.8	16.4
N05-7462	15.6	15.6	.	.	19.6	15.2	.	19.0	19.2	17.3	16.4	16.0	17.1
NCC06-5754R	14.7	13.9	.	.	16.2	12.7	.	16.8	15.0	15.8	14.6	13.7	14.8
NCC06-7018R	12.7	12.9	.	.	16.0	12.8	.	16.8	14.0	13.9	14.5	14.6	14.2
NCC06-899	13.9	14.9	.	.	19.1	15.1	.	18.8	15.7	17.4	18.5	16.3	16.6
NCC06-929	14.9	16.8	.	.	18.5	14.5	.	20.6	16.8	18.0	19.0	15.5	17.2
SC06-301RR	13.4	13.5	.	.	16.5	12.6	.	15.1	13.8	13.5	14.0	13.2	14.0
SC07-1029RR	13.1	14.7	.	.	19.3	13.1	.	18.1	15.7	16.6	16.9	16.7	16.0
SC07-108RR	14.2	14.5	.	.	17.2	12.3	.	16.0	14.1	14.5	15.3	15.0	14.8
TCHM06-M-204	13.5	14.6	.	.	18.2	14.9	.	19.0	13.8	16.4	16.3	15.9	15.8
N05-7452	10.9	11.3	.	.	12.2	10.5	.	14.3	11.3	12.5	11.8	12.4	11.9
Mean	13.8	14.2	.	.	17.2	13.4	.	17.5	14.7	15.4	15.5	14.9	.

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
AGS758 RR	10/25	11/2	10/29
G03-1187 RR	0	-1	0
N7002	0	-1	-1
N7003CN	0	0	0
G04-2215 RR	0	0	0
G06-3182 RR	0	-6	-3
G07-1366 RR	0	1	0
G07-3192 RR	0	0	0
G07-3651 RR	0	-3	-2
G07-3839 RR	0	-1	-1
N05-7281	0	3	1
N05-7462	0	-1	-1
NCC06-5754R	0	-4	-2
NCC06-7018R	0	0	0
NCC06-899	0	-1	-1
NCC06-929	2	1	1
SC06-301RR	0	1	0
SC07-1029RR	1	2	1
SC07-108RR	1	5	3
TCHM06-M-204	0	-8	-4
N05-7452	0	-4	-2
Mean	0	-1	0

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	11/1	10/30	10/23	11/3	10/29	10/31	10/20	10/9	10/26
G03-1187 RR	4	0	0	-1	9	4	-3	4	2
N7002	4	2	3	4	13	3	1	9	5
N7003CN	2	-1	1	2	9	4	0	9	3
G04-2215 RR	3	1	2	-1	10	4	-1	8	3
G06-3182 RR	6	1	-4	1	5	3	-5	-1	1
G07-1366 RR	3	2	1	3	7	4	-3	5	3
G07-3192 RR	-2	-2	-4	-1	2	1	-3	-7	-2
G07-3651 RR	3	0	-2	-1	7	3	-3	1	1
G07-3839 RR	3	3	-1	2	5	3	-1	7	3
N05-7281	2	-1	5	5	10	3	2	9	4
N05-7462	1	-2	-3	-3	6	2	-1	6	1
NCC06-5754R	-1	-3	-5	-3	9	1	-2	0	0
NCC06-7018R	2	2	1	3	6	4	1	9	4
NCC06-899	3	0	-3	1	7	5	1	5	2
NCC06-929	4	4	4	7	13	9	4	10	7
SC06-301RR	4	4	2	5	7	5	0	8	4
SC07-1029RR	5	3	4	6	6	4	3	10	5
SC07-108RR	7	6	7	8	9	8	6	11	8
TCHM06-M-204	-9	-6	-4	-1	9	3	-3	-4	-2
N05-7452	2	1	-2	3	-2	3	-3	7	1
Mean	2	1	0	2	7	4	0	5	3

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
AGS758 RR	.	38	38
G03-1187 RR	.	37	37
N7002	.	37	37
N7003CN	.	41	41
G04-2215 RR	.	40	40
G06-3182 RR	.	36	36
G07-1366 RR	.	43	43
G07-3192 RR	.	40	40
G07-3651 RR	.	41	41
G07-3839 RR	.	37	37
N05-7281	.	37	37
N05-7462	.	39	39
NCC06-5754R	.	34	34
NCC06-7018R	.	37	37
NCC06-899	.	34	34
NCC06-929	.	31	31
SC06-301RR	.	34	34
SC07-1029RR	.	44	44
SC07-108RR	.	39	39
TCHM06-M-204	.	27	27
N05-7452	.	37	37
Mean	.	37	.

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	30	24	41	34	40	30	17	39	35	33	32
G03-1187 RR	27	26	39	31	44	34	18	34	35	35	32
N7002	28	24	35	31	39	34	21	36	32	31	31
N7003CN	31	23	39	31	42	34	21	36	34	35	33
G04-2215 RR	24	20	40	25	45	28	15	34	35	31	30
G06-3182 RR	27	20	35	26	39	30	18	37	31	31	29
G07-1366 RR	29	26	42	36	42	37	22	41	33	37	35
G07-3192 RR	30	24	41	33	42	31	22	42	33	35	33
G07-3651 RR	31	24	44	35	43	35	22	38	36	39	35
G07-3839 RR	28	25	40	31	44	33	16	40	36	31	32
N05-7281	26	24	37	32	39	34	23	37	31	35	32
N05-7462	32	29	42	38	38	38	22	39	36	31	35
NCC06-5754R	26	20	34	28	37	30	16	33	24	28	28
NCC06-7018R	27	25	38	29	39	36	19	37	34	32	32
NCC06-899	27	21	37	31	40	31	20	35	31	31	31
NCC06-929	27	23	36	27	37	30	19	31	30	29	29
SC06-301RR	30	23	38	30	41	37	18	36	36	34	32
SC07-1029RR	32	26	43	37	44	36	21	46	40	37	36
SC07-108RR	32	25	43	30	39	34	21	40	35	39	34
TCHM06-M-204	25	22	37	27	38	30	19	36	31	34	30
N05-7452	26	21	35	28	39	29	18	35	30	28	29
Mean	28	24	39	31	41	33	19	37	33	33	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
AGS758 RR	.	2.5	2.5
G03-1187 RR	.	2.5	2.5
N7002	.	2.5	2.5
N7003CN	.	2.0	2.0
G04-2215 RR	.	2.0	2.0
G06-3182 RR	.	2.0	2.0
G07-1366 RR	.	3.0	3.0
G07-3192 RR	.	2.0	2.0
G07-3651 RR	.	2.5	2.5
G07-3839 RR	.	2.0	2.0
N05-7281	.	2.0	2.0
N05-7462	.	2.5	2.5
NCC06-5754R	.	2.0	2.0
NCC06-7018R	.	2.5	2.5
NCC06-899	.	2.5	2.5
NCC06-929	.	3.0	3.0
SC06-301RR	.	2.5	2.5
SC07-1029RR	.	2.5	2.5
SC07-108RR	.	2.0	2.0
TCHM06-M-204	.	1.5	1.5
N05-7452	.	2.0	2.0
Mean	.	2.3	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	1.0	1.0	3.2	1.7	1.2	2.3	1.7	1.0	1.0	1.0	1.5
G03-1187 RR	1.0	1.0	2.3	1.2	1.7	2.2	2.0	1.3	1.0	1.0	1.5
N7002	1.0	1.0	2.7	1.5	1.3	1.5	1.7	1.0	1.0	1.3	1.4
N7003CN	1.0	1.0	3.3	1.0	1.3	1.0	2.0	1.0	1.0	1.3	1.4
G04-2215 RR	1.0	1.0	1.7	1.0	1.0	1.3	1.0	1.0	1.0	1.0	1.1
G06-3182 RR	1.0	1.0	2.2	1.0	1.0	1.2	1.7	1.3	1.0	1.0	1.2
G07-1366 RR	1.0	1.0	2.7	2.3	1.3	3.0	2.0	1.3	2.0	2.0	1.9
G07-3192 RR	1.0	1.0	2.2	2.0	1.2	1.0	2.0	1.0	1.0	1.0	1.3
G07-3651 RR	1.0	1.0	2.7	1.8	1.3	1.8	2.0	1.3	1.0	2.0	1.6
G07-3839 RR	1.0	1.0	2.0	1.2	1.0	1.7	1.3	1.0	1.0	1.0	1.2
N05-7281	1.0	1.0	1.8	1.2	1.0	1.7	1.7	1.0	1.0	1.0	1.2
N05-7462	1.0	1.0	2.7	2.5	1.0	2.5	2.0	1.0	1.0	1.7	1.6
NCC06-5754R	1.0	1.0	1.5	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.1
NCC06-7018R	1.0	1.0	3.2	1.5	1.2	2.5	1.7	1.7	1.0	1.0	1.6
NCC06-899	1.0	1.0	3.2	1.7	1.3	2.0	2.0	2.0	1.0	1.7	1.7
NCC06-929	1.0	1.0	3.0	1.3	1.2	1.7	2.0	1.0	1.0	1.0	1.4
SC06-301RR	1.0	1.0	2.3	1.5	1.0	2.0	1.7	1.0	1.0	1.0	1.4
SC07-1029RR	1.0	1.0	3.0	2.5	1.8	2.0	2.0	1.3	1.0	2.0	1.8
SC07-108RR	1.0	1.0	2.3	1.3	1.0	1.8	1.3	1.3	1.0	1.3	1.4
TCHM06-M-204	1.0	1.0	2.2	1.0	1.0	1.3	2.0	1.0	1.0	1.0	1.3
N05-7452	1.0	1.0	2.3	1.2	1.0	1.0	1.3	1.0	1.0	1.3	1.2
Mean	1.0	1.0	2.5	1.5	1.2	1.7	1.7	1.2	1.0	1.3	.

TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(A)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	2.0	2.2	.	.	1.7	.	1.0	3.2	1.0	2.0	1.9
G03-1187 RR	2.3	2.3	.	.	1.7	.	1.0	2.5	1.0	1.8	1.8
N7002	2.3	2.0	.	.	2.2	.	1.0	2.3	1.0	1.7	1.8
N7003CN	2.3	2.2	.	.	2.0	.	1.0	2.8	1.5	2.5	2.0
G04-2215 RR	2.2	2.2	.	.	1.8	.	1.0	2.5	1.0	2.0	1.8
G06-3182 RR	2.5	2.2	.	.	1.8	.	1.0	2.5	1.0	2.5	2.0
G07-1366 RR	2.3	2.0	.	.	1.7	.	1.0	2.7	1.0	1.8	1.8
G07-3192 RR	2.5	2.0	.	.	1.8	.	1.0	2.5	1.0	2.0	1.8
G07-3651 RR	2.2	2.0	.	.	1.8	.	1.0	2.7	1.0	1.7	1.8
G07-3839 RR	2.3	2.5	.	.	1.5	.	1.0	2.7	1.0	2.0	1.9
N05-7281	2.2	2.0	.	.	1.7	.	1.0	2.5	1.0	1.8	1.8
N05-7462	2.2	2.0	.	.	1.7	.	1.0	2.2	1.0	2.0	1.7
NCC06-5754R	2.5	2.3	.	.	1.7	.	1.0	3.0	1.0	2.3	2.0
NCC06-7018R	2.0	2.0	.	.	2.2	.	1.0	2.5	1.0	1.7	1.8
NCC06-899	2.2	2.0	.	.	1.8	.	1.0	2.5	1.0	1.8	1.8
NCC06-929	2.5	2.0	.	.	2.0	.	1.0	2.5	1.0	1.8	1.8
SC06-301RR	2.2	2.0	.	.	1.7	.	1.0	2.5	1.0	2.2	1.8
SC07-1029RR	2.0	1.8	.	.	1.5	.	1.0	2.2	1.0	1.8	1.6
SC07-108RR	2.5	2.2	.	.	1.7	.	1.0	2.5	1.0	1.8	1.8
TCHM06-M-204	2.5	2.8	.	.	1.7	.	1.0	3.0	1.0	2.7	2.2
N05-7452	2.0	2.0	.	.	1.8	.	1.0	2.5	1.0	1.8	1.7
Mean	2.3	2.1	.	.	1.8	.	1.0	2.6	1.0	2.0	.

TABLE 89 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	AGS758RR			
2	G03-1187 RR			
3	N7002	N7001 x Cook		
4	N7003CN			
5	G08-1253 RR	S99-1171 X H7242 RR	F7d	
6	G08-3795 RR	G99-2678 X P97M50	F7d	
7	G08-3808 RR	G99-2678 X P97M50	F7d	
8	G08-3848 RR	G99-2678 X P97M50	F7d	
9	G08-4200 RR	N97-9658 X BOGGS RR	F7d	
10	G08-5212 RR	N97-9658 X G02-G176376	F7d	
11	N05-316	Roy X N96-6752		
12	N07-16209	Delsoy 4710 x N01-9059-1	F4	SCN
13	N08-383	S99-1171 X N00-370		
14	N08-391	S99-1171 X N00-370		
15	N08-447	G96-2272 X N00-377		
16	N08-521	G96-2272 X N00-377		
17	N09-12414	N7002xMISUZU DIAZU-BB	F4	Diversity, Exotic
18	N09-13128	N7002xTAMAHAKARI-BB	F4	Diversity, Exotic
19	N09-13565	NC-ROYxN02-8760		Diversity, Exotic
20	N7103	NTCPR90-143 x Pearl	F4	Lodging resistant
21	NMS4-175-709	N7103 x PI 366122	F4	Diversity, Exotic
22	NMS4-1-83	N7103 x PI 366122	F4	Diversity, Exotic
23	SC06-260RR	SC98-1850/SC00-579RR	F5	Long juvenile trait
24	SC06-306RR	SC98-1930/SC00-892RR	F5	Long juvenile trait
25	SC06-5214RR	SC98-1850/SC00-579RR	F5	Long juvenile trait
26	SC06-5306RR	SC98-1930/SC00-892RR	F5	Long juvenile trait
27	SC06-5733RR	SC98-1930/SC00-892RR	F5	Long juvenile trait

**TABLE 90 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VII FOR YEAR 2011**

STRAIN/ VARIETY	SEED		AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED		% PROTEIN	% OIL	HG TYPE	HG TYPE	HG TYPE	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK					QUALITY	SIZE			1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5					
AGS758RR	44.5	15	16	0	1.6	36	1.9	13.8	40.5	21.5	2	1	4	R	1			
G03-1187 RR	46.3	11	12	1	1.5	36	1.8	15.3	39.2	22.5	3	1	4	R	1			
N7002	46.8	9	10	0	1.5	34	1.7	13.6	40.3	21.4	4	5	5	MS	4	P	G	T
N7003CN	49.0	2	7	2	1.7	36	2.2	17.2	40.4	21.6	1	2	1	MS	4			
G08-1253 RR	46.2	12	11	3	1.4	41	1.9	15.3	41.2	22.3	1	2	1	MS	4	P	T	T
G08-3795 RR	46.8	8	10	2	1.9	38	1.8	15.2	41.3	21.9	5	1	4	R	1	P	T	T
G08-3808 RR	40.5	24	19	1	1.8	35	1.8	15.6	41.9	21.5	4	1	.	R	1	P	T	T
G08-3848 RR	45.3	13	15	1	1.9	40	1.8	15.6	41.6	21.8	5	1	5	R	1	P	T	T
G08-4200 RR	48.1	4	9	1	1.8	37	1.8	12.5	40.1	21.6	4	1	2	R	1	W	T	T
G08-5212 RR	45.1	14	13	1	1.4	37	1.8	13.8	39.7	21.8	5	1	4	S	5	W	T	T
N05-316	47.7	7	10	-1	1.4	33	1.8	14.4	41.1	21.9	5	5	5	S	5	W	G	
N07-16209	32.9	27	23	-4	1.1	23	3.1	16.7	41.9	20.6	3	2	2	R	1	P	T	
N08-383	44.5	16	14	3	1.5	37	1.7	17.7	40.8	22.5	5	4	5	MS	4	W	T	
N08-391	48.7	3	8	-4	1.4	32	1.8	15.7	40.6	21.6	5	3	5	R	1	W	G	
N08-447	48.0	5	9	6	1.4	32	1.9	16.0	41.7	21.7	5	4	5	R	1	P	T	
N08-521	51.2	1	4	4	1.3	33	1.7	14.1	42.1	21.0	5	5	5	R	1	W	T	
N09-12414	42.1	20	18	-1	1.7	36	1.9	18.4	41.2	21.1	5	4	5	S	5	P	G	
N09-13128	47.8	6	8	-3	1.6	35	2.1	16.8	38.1	22.4	5	5	5	S	5	P	G	
N09-13565	41.8	21	18	-5	1.7	31	2.5	18.1	41.5	21.1	5	5	5	S	5	P	G	
N7103	46.7	10	14	1	1.4	31	1.7	8.6	41.4	19.9	5	4	4	S	5	W	G	
NMS4-175-709	42.5	19	15	-3	1.4	31	1.7	11.7	41.3	21.4	5	4	5	S	5	W	G	
NMS4-1-83	44.4	17	15	-3	1.6	31	1.7	11.6	40.9	21.3	5	4	5	S	5	W	G	
SC06-260RR	42.7	18	17	-1	1.6	40	1.9	16.0	40.8	22.2	3	2	4	S	5	W	G	T
SC06-306RR	41.8	22	19	5	1.9	46	1.8	14.4	41.4	21.5	4	3	3	S	5	P	G	T
SC06-5214RR	34.6	26	21	8	2.5	39	2.0	13.3	39.7	21.4	5	1	4	S	5	W	G	T
SC06-5306RR	41.6	23	19	6	2.2	47	1.8	13.3	41.5	21.0	4	3	3	S	5	P	G	T
SC06-5733RR	37.6	25	24	7	2.1	43	1.9	15.1	39.9	22.1	2	1	2	S	5	P	G	T
Mean	44.3	.	.	1	1.6	36	1.9	14.8	40.8	21.6	.	.	.	.	.
LSD(0.05)	6.4	.	.	4	.	4	0.3	1.1	0.8	0.5	.	.	.	.	.
CV(%)	13.6	.	.	352	.	9	13.1	5.2	1.6	1.7	.	.	.	.	.

TABLE 91 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	27.3	53.0	37.3	50.1	54.6	44.5
G03-1187 RR	25.7	56.9	38.9	48.3	61.9	46.3
N7002	31.2	59.6	29.6	55.4	58.3	46.8
N7003CN	29.4	56.2	43.7	59.6	56.2	49.0
G08-1253 RR	27.5	50.4	38.2	57.1	57.8	46.2
G08-3795 RR	30.0	48.2	41.9	57.6	56.4	46.8
G08-3808 RR	27.4	51.1	34.6	.	39.5	40.5
G08-3848 RR	26.9	53.0	37.5	55.4	53.7	45.3
G08-4200 RR	32.8	49.7	44.8	53.2	59.8	48.1
G08-5212 RR	33.3	49.4	29.4	58.8	54.6	45.1
N05-316	27.7	54.9	37.7	63.3	54.8	47.7
N07-16209	18.8	51.9	30.3	.	21.2	32.9
N08-383	30.4	54.2	33.6	53.4	50.8	44.5
N08-391	29.7	63.0	37.8	57.1	56.0	48.7
N08-447	31.1	58.3	37.2	54.3	59.1	48.0
N08-521	28.8	66.2	40.2	60.9	59.9	51.2
N09-12414	30.7	50.3	29.3	51.3	48.6	42.1
N09-13128	28.4	55.7	38.5	55.5	61.0	47.8
N09-13565	24.5	54.3	30.8	56.1	43.4	41.8
N7103	25.5	65.3	36.2	55.9	50.4	46.7
NMS4-175-709	28.5	52.1	30.4	57.5	43.9	42.5
NMS4-1-83	27.5	58.4	36.4	55.4	44.2	44.4
SC06-260RR	27.8	50.2	37.8	49.1	48.9	42.7
SC06-306RR	27.3	45.2	31.7	48.1	56.7	41.8
SC06-5214RR	32.1	41.4	24.6	45.1	30.0	34.6
SC06-5306RR	29.3	45.7	27.4	52.4	53.1	41.6
SC06-5733RR	25.0	38.3	28.6	46.1	50.0	37.6
Mean	28.3	53.1	35.0	54.3	51.3	44.3
LSD(0.05)	6.5	5.2	7.0	5.4	7.8	6.4
CV(%)	14.1	6.0	12.2	6.1	9.3	13.6

**TABLE 92 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII FOR YEAR 2011**

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	21.8	21.8	21.1	22.0	21.1	21.5
G03-1187 RR	22.1	23.6	21.7	22.4	22.7	22.5
N7002	20.9	22.0	21.1	21.6	21.5	21.4
N7003CN	21.4	22.2	21.4	22.1	20.9	21.6
G08-1253 RR	22.1	22.4	21.8	22.9	22.4	22.3
G08-3795 RR	21.4	22.3	21.5	22.4	22.0	21.9
G08-3808 RR	21.0	21.9	21.0	21.9	21.6	21.5
G08-3848 RR	21.0	22.3	21.4	22.4	21.7	21.8
G08-4200 RR	21.5	22.0	20.7	22.2	21.6	21.6
G08-5212 RR	21.1	22.4	21.1	22.1	22.1	21.8
N05-316	21.5	21.9	21.6	22.1	22.2	21.9
N07-16209	21.2	20.7	19.4	20.6	21.1	20.6
N08-383	22.0	22.4	22.0	23.0	23.1	22.5
N08-391	21.7	22.0	20.9	21.8	21.7	21.6
N08-447	21.6	22.3	20.9	21.8	22.0	21.7
N08-521	21.4	20.8	20.7	21.3	20.7	21.0
N09-12414	20.1	21.7	20.4	21.5	21.6	21.1
N09-13128	21.9	23.4	21.6	22.1	23.1	22.4
N09-13565	20.8	22.0	20.2	21.3	21.4	21.1
N7103	20.4	19.9	19.0	20.1	19.9	19.9
NMS4-175-709	20.8	22.0	20.4	21.5	22.1	21.4
NMS4-1-83	20.9	21.9	20.5	21.9	21.5	21.3
SC06-260RR	21.7	23.0	21.5	22.4	22.3	22.2
SC06-306RR	21.5	21.6	21.0	21.9	21.4	21.5
SC06-5214RR	21.9	21.9	20.3	21.4	21.7	21.4
SC06-5306RR	21.1	21.1	20.2	21.4	21.3	21.0
SC06-5733RR	22.5	22.0	20.7	23.0	22.2	22.1
Mean	21.4	22.0	20.9	21.9	21.7	.

TABLE 93 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	38.7	41.0	40.8	40.1	42.0	40.5
G03-1187 RR	37.0	38.8	40.4	40.3	39.5	39.2
N7002	38.8	40.2	41.1	40.6	40.8	40.3
N7003CN	39.0	40.3	41.0	39.7	41.9	40.4
G08-1253 RR	39.9	42.4	41.2	40.5	42.1	41.2
G08-3795 RR	40.1	41.9	42.6	40.6	41.5	41.3
G08-3808 RR	40.8	42.0	43.6	41.3	42.0	41.9
G08-3848 RR	40.3	42.0	42.6	40.8	42.3	41.6
G08-4200 RR	39.1	40.1	40.6	40.1	40.6	40.1
G08-5212 RR	38.7	39.5	40.8	39.5	39.9	39.7
N05-316	40.2	41.3	41.3	41.8	41.0	41.1
N07-16209	42.0	41.7	42.0	42.1	41.9	41.9
N08-383	39.4	41.8	41.9	40.9	40.2	40.8
N08-391	38.9	40.2	42.2	40.9	41.0	40.6
N08-447	40.6	42.2	41.9	42.3	41.4	41.7
N08-521	40.5	42.7	42.0	42.5	42.7	42.1
N09-12414	40.0	41.6	42.1	41.4	41.2	41.2
N09-13128	38.2	37.0	38.7	39.5	37.2	38.1
N09-13565	40.0	40.7	42.2	42.3	42.0	41.5
N7103	39.6	41.9	42.1	41.6	41.7	41.4
NMS4-175-709	40.3	40.6	42.6	42.3	40.5	41.3
NMS4-1-83	40.2	40.6	41.6	41.2	41.0	40.9
SC06-260RR	41.0	40.5	40.8	40.7	41.0	40.8
SC06-306RR	39.0	42.4	42.3	41.2	42.0	41.4
SC06-5214RR	38.7	39.3	40.2	40.2	40.2	39.7
SC06-5306RR	39.4	41.9	42.9	41.1	42.0	41.5
SC06-5733RR	38.1	40.0	40.7	39.4	41.2	39.9
Mean	39.6	40.9	41.6	40.9	41.1	.

TABLE 94 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	13.0	.	14.1	14.5	13.8	13.8
G03-1187 RR	14.1	.	16.0	15.9	15.4	15.3
N7002	13.7	.	12.7	14.5	13.4	13.6
N7003CN	15.9	.	17.3	17.6	18.1	17.2
G08-1253 RR	13.5	.	15.3	15.8	16.5	15.3
G08-3795 RR	14.6	.	15.9	15.2	15.1	15.2
G08-3808 RR	14.5	.	16.3	.	15.1	15.6
G08-3848 RR	14.5	.	16.0	16.4	15.6	15.6
G08-4200 RR	12.7	.	11.6	13.2	12.4	12.5
G08-5212 RR	13.5	.	13.5	14.2	14.0	13.8
N05-316	14.6	.	13.2	15.8	13.9	14.4
N07-16209	15.9	.	15.7	.	17.8	16.7
N08-383	16.1	.	17.9	18.9	17.7	17.7
N08-391	15.1	.	15.2	16.8	15.7	15.7
N08-447	15.4	.	14.9	17.2	16.6	16.0
N08-521	13.5	.	13.8	14.7	14.2	14.1
N09-12414	17.9	.	18.6	18.4	18.9	18.4
N09-13128	17.1	.	14.9	18.9	16.4	16.8
N09-13565	17.6	.	16.1	21.4	17.2	18.1
N7103	8.6	.	8.1	9.1	8.4	8.6
NMS4-175-709	11.4	.	10.5	13.6	11.3	11.7
NMS4-1-83	11.1	.	11.1	13.0	11.2	11.6
SC06-260RR	16.4	.	15.8	16.9	15.0	16.0
SC06-306RR	14.2	.	14.4	15.1	13.8	14.4
SC06-5214RR	13.8	.	12.7	13.2	13.3	13.3
SC06-5306RR	12.5	.	13.9	14.0	13.0	13.3
SC06-5733RR	14.0	.	14.8	15.7	15.9	15.1
Mean	14.3	.	14.5	15.6	14.8	.

TABLE 95 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	10/29	10/25	10/29	.	10/17	10/25
G03-1187 RR	0	-1	3	.	3	1
N7002	1	0	-3	.	2	0
N7003CN	1	0	4	.	3	2
G08-1253 RR	0	3	3	.	5	3
G08-3795 RR	1	0	3	.	3	2
G08-3808 RR	-2	0	2	.	4	1
G08-3848 RR	1	0	1	.	4	1
G08-4200 RR	-2	1	5	.	2	1
G08-5212 RR	2	1	-1	.	3	1
N05-316	0	-4	0	.	2	-1
N07-16209	-7	-7	-3	.	0	-4
N08-383	3	1	4	.	3	3
N08-391	-11	-3	0	.	0	-4
N08-447	3	7	7	.	8	6
N08-521	1	3	5	.	7	4
N09-12414	1	-3	-2	.	1	-1
N09-13128	-5	-7	-2	.	1	-3
N09-13565	-4	-8	-8	.	-1	-5
N7103	-3	2	2	.	4	1
NMS4-175-709	-1	-7	-5	.	-1	-3
NMS4-1-83	-1	-6	-3	.	0	-3
SC06-260RR	-7	0	0	.	1	-1
SC06-306RR	2	5	3	.	8	5
SC06-5214RR	-3	13	13	.	8	8
SC06-5306RR	3	7	6	.	7	6
SC06-5733RR	-8	18	9	.	8	7
Mean	-1	1	2	.	3	.

TABLE 96 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	26	42	38	39	35	36
G03-1187 RR	28	41	41	34	38	36
N7002	28	36	38	36	31	34
N7003CN	27	38	46	37	35	36
G08-1253 RR	30	46	41	40	47	41
G08-3795 RR	32	42	46	37	35	38
G08-3808 RR	28	38	40	.	34	35
G08-3848 RR	33	39	45	42	41	40
G08-4200 RR	30	35	42	42	35	37
G08-5212 RR	31	40	42	36	35	37
N05-316	26	36	36	36	31	33
N07-16209	20	26	29	.	17	23
N08-383	29	40	43	37	37	37
N08-391	25	33	35	35	33	32
N08-447	25	35	42	32	29	32
N08-521	23	37	41	34	30	33
N09-12414	31	38	40	37	32	36
N09-13128	30	37	41	39	30	35
N09-13565	27	32	32	29	32	31
N7103	24	35	39	31	28	31
NMS4-175-709	26	33	36	30	29	31
NMS4-1-83	25	35	36	32	28	31
SC06-260RR	29	48	35	40	43	40
SC06-306RR	35	51	56	43	49	46
SC06-5214RR	28	42	38	42	41	39
SC06-5306RR	37	52	51	45	49	47
SC06-5733RR	32	47	47	43	44	43
Mean	28	39	41	37	35	.

TABLE 97 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	1.0	2.7	2.5	1.0	1.0	1.6
G03-1187 RR	1.0	2.0	2.5	1.0	1.0	1.5
N7002	1.0	2.7	2.0	1.0	1.0	1.5
N7003CN	1.0	3.0	2.0	1.3	1.0	1.7
G08-1253 RR	1.0	2.2	2.0	1.0	1.0	1.4
G08-3795 RR	1.0	3.0	2.5	2.0	1.0	1.9
G08-3808 RR	1.0	2.2	3.0	.	1.0	1.8
G08-3848 RR	1.0	3.0	3.0	1.3	1.0	1.9
G08-4200 RR	1.0	3.0	2.5	1.3	1.0	1.8
G08-5212 RR	1.0	2.2	2.0	1.0	1.0	1.4
N05-316	1.0	2.0	2.0	1.0	1.0	1.4
N07-16209	1.0	1.0	1.5	.	1.0	1.1
N08-383	1.0	2.2	2.5	1.0	1.0	1.5
N08-391	1.0	2.0	2.0	1.0	1.0	1.4
N08-447	1.0	2.0	2.0	1.0	1.0	1.4
N08-521	1.0	1.7	2.0	1.0	1.0	1.3
N09-12414	1.0	2.7	2.0	1.3	1.3	1.7
N09-13128	1.0	2.8	2.0	1.0	1.0	1.6
N09-13565	1.0	3.5	1.5	1.0	1.7	1.7
N7103	1.0	1.3	2.5	1.0	1.0	1.4
NMS4-175-709	1.0	2.0	2.0	1.0	1.0	1.4
NMS4-1-83	1.0	2.3	2.5	1.0	1.0	1.6
SC06-260RR	1.0	2.2	2.0	1.7	1.0	1.6
SC06-306RR	1.0	2.8	2.5	2.0	1.3	1.9
SC06-5214RR	1.0	3.5	3.0	3.0	2.0	2.5
SC06-5306RR	1.0	2.5	3.0	2.0	2.3	2.2
SC06-5733RR	1.0	3.3	2.5	2.0	1.7	2.1
Mean	1.0	2.4	2.3	1.3	1.2	.

TABLE 98 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
AGS758 RR	2.0	.	.	2.8	1.0	1.9
G03-1187 RR	2.0	.	.	2.5	1.0	1.8
N7002	2.0	.	.	2.0	1.0	1.7
N7003CN	2.5	.	.	3.0	1.0	2.2
G08-1253 RR	2.3	.	.	2.5	1.0	1.9
G08-3795 RR	2.0	.	.	2.3	1.0	1.8
G08-3808 RR	2.2	.	.	.	1.0	1.8
G08-3848 RR	2.0	.	.	2.5	1.0	1.8
G08-4200 RR	2.2	.	.	2.2	1.0	1.8
G08-5212 RR	2.2	.	.	2.2	1.0	1.8
N05-316	2.2	.	.	2.2	1.0	1.8
N07-16209	3.3	.	.	.	2.3	3.1
N08-383	2.0	.	.	2.2	1.0	1.7
N08-391	2.2	.	.	2.3	1.0	1.8
N08-447	2.5	.	.	2.3	1.0	1.9
N08-521	2.2	.	.	2.0	1.0	1.7
N09-12414	2.3	.	.	2.5	1.0	1.9
N09-13128	2.7	.	.	2.7	1.0	2.1
N09-13565	2.5	.	.	3.5	1.5	2.5
N7103	2.0	.	.	2.2	1.0	1.7
NMS4-175-709	2.2	.	.	2.0	1.0	1.7
NMS4-1-83	2.0	.	.	2.0	1.0	1.7
SC06-260RR	2.3	.	.	2.3	1.0	1.9
SC06-306RR	2.0	.	.	2.3	1.0	1.8
SC06-5214RR	2.0	.	.	3.0	1.0	2.0
SC06-5306RR	2.2	.	.	2.2	1.0	1.8
SC06-5733RR	2.5	.	.	2.3	1.0	1.9
Mean	2.2	.	.	2.4	1.1	.

TABLE 99 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	SC01-803 RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}		
2	G04-1618 RR	Commercial check		
3	N8001	N7001 x Cook		
4	N05-7432	N7002 x N98-7265	F4	Diversity, Drought, Exotic
5	G05-4237 RR	Prichard-RR X G94-3117	F6d	
6	G06-2507 RR	G98-1420 X H7242 RR	F5d	
7	G07-1185 RR	G00-3213 X(Boggs RR(2) X N97-9658)	F5d	
8	G07-1285 RR	G00-3083 X [H7242RR(3) X N97-9612]	F5d	
9	G07-2879 RR	G00-3083 X AGS758RR	F5d	
10	G07-3496 RR	G00-3213 X P97M50	F5d	
11	G07-3557 RR	G00-3213 X P97M50	F5d	
12	SC05-642RR	SC00-603RR/SC94-1573	F5	
13	SC06-676RR	SC01-809RR/G99-3211	F5	
14	SC06-708RR	SC01-809RR/G99-3211	F5	
15	SC07-1490RR	SC01-809RR/G99-3211	F5	
16	SC07-150RR	N97-9658/SC00-643RR	F5	
17	SC07-1518RR	SC01-809RR/G99-3211	F5	
18	SC07-786RR	SC01-786RR/G00-3213	F5	

**TABLE 100 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VIII FOR YEAR 2011**

STRAIN/ VARIETY	RANK	AVERAGE		YIELD‡			PROTEIN			OIL	
		RANK	RANK	2011	10-11	09-11	2011	10-11	09-11	2011	10-11
SC01-803 RR	17	15	43.1	42.6	42.9	41.9	41.5	41.9	20.9	20.4	20.1
G04-1618 RR	9	9	47.0	46.8	46.2	40.6	39.7	40.2	21.0	20.2	20.0
N8001	8	9	47.0	45.9	44.9	41.3	40.8	41.1	20.6	20.3	20.1
N05-7432	4	7	47.7	48.8	47.5	40.5	39.9	40.4	21.1	20.8	20.5
G05-4237 RR	2	7	47.9	45.0	44.4	41.3	40.5	41.0	20.9	20.0	19.8
G06-2507 RR	14	11	45.2	43.9	.	41.5	40.5	.	21.9	20.6	.
G07-1185 RR	5	8	47.7	45.7	.	39.6	39.1	.	21.3	20.2	.
G07-1285 RR	16	13	44.0	.	.	40.7	.	.	21.4	.	.
G07-2879 RR	7	8	47.1	.	.	41.3	.	.	21.4	.	.
G07-3496 RR	12	10	46.0	.	.	41.4	.	.	21.2	.	.
G07-3557 RR	3	7	47.8	.	.	41.1	.	.	21.1	.	.
SC05-642RR	18	12	42.9	43.0	43.4	38.5	38.4	39.0	22.0	21.3	20.9
SC06-676RR	15	11	45.1	44.7	.	40.3	39.4	.	21.2	20.6	.
SC06-708RR	6	8	47.4	45.4	.	39.6	38.9	.	22.3	21.3	.
SC07-1490RR	10	10	46.9	.	.	41.0	.	.	21.6	.	.
SC07-150RR	13	12	45.3	.	.	41.4	.	.	21.0	.	.
SC07-1518RR	11	8	46.7	.	.	41.0	.	.	21.5	.	.
SC07-786RR	1	8	48.4	.	.	41.2	.	.	21.9	.	.
Mean	.	.	46.3	.	.	40.8	.	.	21.3	.	.
LSD(0.05)	.	.	4.0	.	.	0.6	.	.	0.4	.	.
CV(%)	.	.	14.0	.	.	1.5	.	.	2.0	.	.

‡Data not included in mean: 2011 – Fairhope, AL
2010 – Tifton, GA
2009 – Kinston, NC(A) (only yield was omitted)

TABLE 101 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2011

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
SC01-803 RR	0	1.3	35	1.7	16.8			
G04-1618 RR	-3	2.0	33	1.7	14.3			
N8001	-2	1.7	34	1.7	16.3	P	G	T
N05-7432	3	1.8	32	1.7	15.6	P	G	
G05-4237 RR	0	1.7	35	1.7	15.6	W	G	T
G06-2507 RR	-2	1.3	32	1.7	14.8	P	T	T
G07-1185 RR	3	1.6	35	1.6	12.9	W	T	T
G07-1285 RR	0	1.5	34	1.8	16.5	P	T	T
G07-2879 RR	-1	1.4	32	1.7	15.7	P	T	T
G07-3496 RR	-1	1.6	34	1.7	16.6	P	T	T
G07-3557 RR	3	1.9	36	1.7	17.7	W	T	T
SC05-642RR	2	1.3	34	1.7	15.3	W	G	T
SC06-676RR	0	1.5	34	1.7	15.5	W	T	T
SC06-708RR	1	1.6	38	1.7	15.7	W	G	T
SC07-1490RR	1	1.5	37	1.7	16.8	W	G	T
SC07-150RR	2	1.5	34	1.6	16.0	P	G	T
SC07-1518RR	3	1.5	36	1.7	16.6	W	G	T
SC07-786RR	2	1.7	36	1.7	17.4	W	T	T
Mean	1	1.6	34	1.7	15.9			
LSD(0.05)	2	0.3	2	0.2	0.8			
CV(%)	307	23.0	9	12.0	4.8			

**TABLE 102 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY
GROWN IN UNIFORM TEST VIII FOR YEAR 2011**

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SC	SC	SDS
	1.2.5.7	0	2.5.7						GA	GA	RATING	SCORE	DX
	Race 2	Race 3	Race 5					
SC01-803 RR	4	1	2	4.3	2.5	R	1.0	.
G04-1618 RR	5	1	4	4.8	1.5	R	1.0	.
N8001	5	3	4	4.5	2.8	SS	3.0	.
N05-7432	5	3	4	4.0	4.3	S	5.0	.
G05-4237 RR	5	2	4	2.5	1.3	R	1.0	.
G06-2507 RR	5	1	3	4.3	1.0	R	1.0	.
G07-1185 RR	4	1	2	2.3	1.0	MS	4.0	.
G07-1285 RR	5	1	5	3.0	1.0	MS	4.0	.
G07-2879 RR	5	1	4	3.8	1.0	R	1.0	.
G07-3496 RR	5	1	5	3.0	1.5	S	5.0	.
G07-3557 RR	4	1	4	3.5	1.0	S	5.0	.
SC05-642RR	4	1	3	4.8	1.0	S	5.0	.
SC06-676RR	5	1	3	4.5	1.5	R	1.0	.
SC06-708RR	5	1	5	3.8	1.5	R	1.0	.
SC07-1490RR	4	1	4	4.5	1.0	R	1.0	.
SC07-150RR	5	2	4	4.5	1.3	R	1.0	.
SC07-1518RR	5	1	3	4.5	1.3	R	1.0	.
SC07-786RR	4	1	2	4.3	1.3	R	1.0	.

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
SC01-803 RR	27.5	36.5	32.0
G04-1618 RR	36.9	43.3	40.1
N8001	34.1	40.1	37.1
N05-7432	33.9	38.0	35.9
G05-4237 RR	31.2	31.7	31.4
G06-2507 RR	29.6	36.6	33.1
G07-1185 RR	32.5	38.9	35.7
G07-1285 RR	26.9	34.6	30.8
G07-2879 RR	32.3	41.6	36.9
G07-3496 RR	39.1	35.0	37.1
G07-3557 RR	33.3	41.4	37.3
SC05-642RR	29.6	33.0	31.3
SC06-676RR	32.5	38.9	35.7
SC06-708RR	32.7	36.1	34.4
SC07-1490RR	31.2	41.8	36.5
SC07-150RR	30.4	29.8	30.1
SC07-1518RR	32.1	39.1	35.6
SC07-786RR	33.4	35.4	34.4
Mean	32.2	37.3	34.7
LSD(0.05)	5.9	6.3	5.7
CV(%)	11.0	10.2	11.6

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope,‡ AL	Plains, GA	Tal­lassee, AL(A)	Tifton, GA	Area Mean
SC01-803 RR	51.2	23.5	29.5	45.7	51.6	55.8	50.6	59.0	45.0
G04-1618 RR	60.6	25.3	31.7	48.7	50.5	58.5	59.6	54.6	48.4
N8001	57.5	27.6	31.9	51.7	54.4	62.9	48.1	61.9	48.8
N05-7432	59.9	27.6	42.4	52.3	43.7	62.8	52.7	63.9	51.7
G05-4237 RR	63.0	29.0	35.1	52.1	53.3	60.9	57.4	65.5	51.8
G06-2507 RR	49.7	25.2	33.8	58.9	42.5	60.2	50.0	65.4	49.0
G07-1185 RR	65.6	30.4	40.8	49.0	50.3	59.0	53.9	56.5	50.7
G07-1285 RR	58.9	24.4	28.3	53.5	40.1	56.0	54.2	63.4	48.4
G07-2879 RR	63.9	24.9	30.9	53.6	42.3	62.3	54.1	65.0	50.7
G07-3496 RR	58.0	23.2	33.3	52.9	50.5	52.7	48.9	66.2	47.9
G07-3557 RR	61.7	29.0	36.9	52.3	56.5	57.5	51.9	57.6	49.6
SC05-642RR	62.8	26.0	32.1	46.5	26.8	62.9	53.3	55.7	48.5
SC06-676RR	62.1	21.3	25.5	45.0	45.7	58.1	59.7	61.7	47.6
SC06-708RR	62.8	27.6	35.7	46.5	51.2	61.5	56.5	63.6	50.6
SC07-1490RR	61.2	28.8	30.6	48.2	59.2	57.2	49.2	61.7	48.1
SC07-150RR	61.0	28.1	32.6	48.5	58.6	56.6	45.9	61.1	47.7
SC07-1518RR	55.9	29.1	34.0	52.1	33.3	60.4	60.2	70.8	51.8
SC07-786RR	53.7	27.1	38.1	52.7	63.3	60.6	58.5	61.7	50.3
Mean	59.4	26.6	33.5	50.6	48.5	59.2	53.6	62.0	49.3
LSD(0.05)	7.2	4.9	5.7	7.5	20.8	5.9	8.0	10.6	3.8
CV(%)	7.3	11.2	10.3	8.9	25.8	6.0	9.0	10.3	10.4

‡Data not included in mean.

TABLE 104 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	21.0	20.4	19.9	20.3	20.8	21.6	20.8	21.7	21.4	20.9
G04-1618 RR	21.0	21.3	20.1	20.5	21.3	21.2	20.4	21.4	21.8	21.0
N8001	20.6	20.9	20.9	20.7	20.1	21.0	19.9	20.8	20.9	20.6
N05-7432	21.0	21.0	20.5	20.6	21.5	21.8	21.1	21.3	21.4	21.1
G05-4237 RR	21.4	21.0	19.4	21.0	20.3	22.0	20.1	21.6	21.2	20.9
G06-2507 RR	22.3	21.7	22.0	20.4	22.2	22.7	21.7	22.6	21.8	21.9
G07-1185 RR	21.1	21.5	21.2	20.6	21.2	22.5	20.2	21.4	21.7	21.3
G07-1285 RR	21.4	20.2	21.2	20.9	20.4	22.1	21.6	22.3	22.6	21.4
G07-2879 RR	21.1	21.2	20.9	20.6	21.6	22.2	21.0	21.7	22.1	21.4
G07-3496 RR	21.5	21.3	20.5	20.5	20.7	21.7	21.4	21.6	21.9	21.2
G07-3557 RR	21.2	21.1	21.2	20.2	20.8	21.6	20.8	21.1	21.7	21.1
SC05-642RR	22.1	21.9	20.5	21.7	21.4	23.3	21.4	23.3	22.7	22.0
SC06-676RR	21.7	19.7	19.7	21.2	20.6	22.1	21.1	22.4	22.6	21.2
SC06-708RR	22.5	22.2	21.6	21.4	21.5	23.7	21.7	23.1	22.9	22.3
SC07-1490RR	22.0	21.6	20.7	21.0	21.0	22.6	21.0	22.4	22.3	21.6
SC07-150RR	20.6	20.8	19.7	20.8	20.9	21.5	20.7	21.6	22.2	21.0
SC07-1518RR	21.9	21.4	20.2	21.0	20.8	22.5	21.0	22.4	22.2	21.5
SC07-786RR	21.9	21.0	21.3	21.4	21.8	22.8	21.3	22.6	22.8	21.9
Mean	21.5	21.1	20.6	20.8	21.1	22.1	20.9	22.0	22.0	.

TABLE 105 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	41.5	41.1	41.4	42.8	39.7	43.2	43.0	41.9	42.2	41.9
G04-1618 RR	40.5	38.5	41.2	42.2	39.0	42.1	41.9	39.8	40.0	40.6
N8001	41.9	40.6	41.6	42.1	41.0	42.3	42.1	39.8	40.2	41.3
N05-7432	40.8	40.0	40.5	40.4	40.0	41.4	40.7	40.4	40.7	40.5
G05-4237 RR	41.0	38.8	41.1	42.2	40.1	42.5	41.9	41.4	42.7	41.3
G06-2507 RR	41.3	40.8	42.9	42.8	39.7	41.3	42.0	40.6	42.0	41.5
G07-1185 RR	40.2	37.5	39.2	40.3	38.1	40.5	41.7	38.8	40.3	39.6
G07-1285 RR	41.5	40.3	39.9	41.7	39.8	41.5	41.3	40.0	40.4	40.7
G07-2879 RR	41.6	40.8	41.4	42.7	39.6	41.7	42.4	41.0	40.7	41.3
G07-3496 RR	41.3	39.5	42.5	41.7	41.6	42.0	41.8	41.1	41.3	41.4
G07-3557 RR	41.0	39.8	41.2	42.2	41.0	41.9	42.1	40.5	40.5	41.1
SC05-642RR	38.7	37.7	39.6	39.2	37.1	39.2	38.8	37.1	38.8	38.4
SC06-676RR	39.9	38.6	39.9	41.4	39.3	41.6	41.7	39.9	40.1	40.3
SC06-708RR	38.8	37.2	39.4	41.4	39.2	40.3	40.8	39.1	40.0	39.6
SC07-1490RR	40.5	39.5	41.0	42.3	40.0	42.4	41.5	40.1	41.3	41.0
SC07-150RR	42.3	39.3	40.8	42.0	40.2	43.6	42.0	41.8	40.8	41.4
SC07-1518RR	40.4	39.3	39.6	42.2	40.2	42.5	42.0	40.7	41.9	41.0
SC07-786RR	40.3	40.5	40.4	42.2	39.8	42.6	42.6	41.0	41.2	41.2
Mean	40.7	39.4	40.8	41.8	39.7	41.8	41.7	40.3	40.8	.

TABLE 106 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clayton, NC	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Tifton, GA	Test Mean
SC01-803 RR	18.5	16.5	.	15.9	.	18.8	16.5	16.7	16.1	15.5	16.8
G04-1618 RR	15.1	13.8	.	13.9	.	15.6	14.0	13.7	14.5	13.8	14.3
N8001	17.4	15.3	.	16.0	.	19.0	14.4	15.4	15.5	17.2	16.3
N05-7432	16.8	16.7	.	13.6	.	17.6	14.3	14.7	15.4	16.1	15.6
G05-4237 RR	16.4	14.8	.	15.1	.	17.0	15.0	15.6	16.0	15.1	15.6
G06-2507 RR	15.1	15.3	.	14.3	.	16.7	14.3	14.8	14.7	13.5	14.8
G07-1185 RR	14.2	14.2	.	11.7	.	16.3	10.4	11.2	12.6	12.7	12.9
G07-1285 RR	16.9	17.2	.	15.7	.	20.3	13.8	15.1	15.6	17.2	16.5
G07-2879 RR	16.3	14.8	.	14.5	.	18.0	13.4	15.8	15.5	17.3	15.7
G07-3496 RR	18.7	15.7	.	15.3	.	18.8	13.2	17.1	16.8	16.8	16.6
G07-3557 RR	19.2	18.6	.	15.5	.	20.2	15.5	17.0	17.7	17.5	17.7
SC05-642RR	16.1	15.2	.	13.6	.	16.4	14.3	14.9	15.0	16.7	15.3
SC06-676RR	15.7	14.9	.	15.2	.	17.2	15.2	15.0	15.3	15.6	15.5
SC06-708RR	16.3	14.7	.	15.1	.	16.9	15.1	15.4	15.3	16.3	15.7
SC07-1490RR	17.7	16.9	.	15.0	.	19.0	15.1	16.5	16.2	18.2	16.8
SC07-150RR	17.2	15.3	.	14.6	.	18.3	14.2	16.4	15.4	16.9	16.0
SC07-1518RR	16.9	17.0	.	14.6	.	19.2	15.5	15.4	16.4	18.0	16.6
SC07-786RR	18.4	18.7	.	15.5	.	19.1	15.5	15.9	18.4	17.9	17.4
Mean	16.8	15.9	.	14.7	.	18.0	14.4	15.4	15.7	16.2	.

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
SC01-803 RR	10/27	11/3	10/31
G04-1618 RR	-2	-2	-2
N8001	-1	-4	-2
N05-7432	-3	3	0
G05-4237 RR	0	1	1
G06-2507 RR	-2	-1	-1
G07-1185 RR	0	1	1
G07-1285 RR	-3	0	-1
G07-2879 RR	-3	0	-1
G07-3496 RR	-2	-2	-2
G07-3557 RR	-2	1	0
SC05-642RR	-1	1	0
SC06-676RR	-2	0	0
SC06-708RR	1	3	2
SC07-1490RR	0	3	1
SC07-150RR	-1	-1	-1
SC07-1518RR	0	4	2
SC07-786RR	0	3	2
Mean	-1	1	0

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Tallassee, AL(A)	Tifton, GA	Area Mean
SC01-803 RR	10/30	11/4	11/10	11/5	10/21	10/22	10/31
G04-1618 RR	-1	-3	-9	-2	0	-4	-3
N8001	-1	-4	-4	-1	0	0	-2
N05-7432	3	6	-1	5	5	3	3
G05-4237 RR	1	-3	-3	1	5	0	0
G06-2507 RR	-1	-1	-6	2	0	-6	-2
G07-1185 RR	5	5	1	5	3	0	3
G07-1285 RR	2	1	-6	2	0	0	0
G07-2879 RR	3	-3	-5	2	0	-1	-1
G07-3496 RR	1	-1	-2	1	0	-1	0
G07-3557 RR	6	4	0	7	3	1	3
SC05-642RR	4	0	-1	3	3	4	2
SC06-676RR	1	-1	-3	3	3	2	1
SC06-708RR	2	1	-2	4	3	1	1
SC07-1490RR	2	0	-1	4	3	2	2
SC07-150RR	4	0	0	2	5	2	2
SC07-1518RR	6	3	1	6	3	3	4
SC07-786RR	2	3	-1	5	4	2	3
Mean	2	1	-2	3	2	0	1

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
SC01-803 RR	36	45	41
G04-1618 RR	31	45	38
N8001	35	44	40
N05-7432	31	42	37
G05-4237 RR	34	49	42
G06-2507 RR	34	45	40
G07-1185 RR	33	44	39
G07-1285 RR	34	51	43
G07-2879 RR	30	47	39
G07-3496 RR	33	48	41
G07-3557 RR	36	45	41
SC05-642RR	33	51	42
SC06-676RR	37	45	41
SC06-708RR	36	54	45
SC07-1490RR	35	47	41
SC07-150RR	33	42	38
SC07-1518RR	38	54	46
SC07-786RR	34	44	39
Mean	34	47	.

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
SC01-803 RR	39	24	31	33	20	42	39	37	33
G04-1618 RR	39	23	26	35	21	38	37	33	32
N8001	38	24	32	37	22	38	38	36	33
N05-7432	37	22	29	33	22	37	34	33	31
G05-4237 RR	41	22	31	35	24	38	37	36	33
G06-2507 RR	38	21	26	34	18	38	37	35	31
G07-1185 RR	41	25	32	34	19	38	38	42	34
G07-1285 RR	41	22	30	34	13	39	43	36	32
G07-2879 RR	36	20	30	34	18	34	37	33	30
G07-3496 RR	40	24	30	35	18	36	38	36	32
G07-3557 RR	44	26	32	38	24	40	39	39	35
SC05-642RR	36	23	29	32	24	38	38	33	32
SC06-676RR	42	22	28	32	20	38	38	38	32
SC06-708RR	43	28	37	37	21	47	43	35	37
SC07-1490RR	44	28	34	39	26	40	40	35	36
SC07-150RR	39	24	29	35	23	40	38	34	33
SC07-1518RR	42	24	35	36	19	42	39	34	34
SC07-786RR	40	25	31	38	25	43	40	34	35
Mean	40	24	31	35	21	39	39	35	.

TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

East

STRAIN/ VARIETY	Clayton, NC	Kinston, NC(A)	Area Mean
SC01-803 RR	2.0	2.0	2.0
G04-1618 RR	3.0	3.0	3.0
N8001	3.0	3.0	3.0
N05-7432	3.0	3.0	3.0
G05-4237 RR	2.5	2.5	2.5
G06-2507 RR	2.0	2.0	2.0
G07-1185 RR	3.0	3.0	3.0
G07-1285 RR	2.0	2.0	2.0
G07-2879 RR	2.0	2.0	2.0
G07-3496 RR	2.0	2.0	2.0
G07-3557 RR	3.0	3.0	3.0
SC05-642RR	2.0	2.0	2.0
SC06-676RR	2.5	2.5	2.5
SC06-708RR	3.0	3.0	3.0
SC07-1490RR	2.5	2.5	2.5
SC07-150RR	3.0	3.0	3.0
SC07-1518RR	2.5	2.5	2.5
SC07-786RR	2.5	2.5	2.5
Mean	2.5	2.5	.

TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Talassee, AL(A)	Tifton, GA	Area Mean
SC01-803 RR	1.0	1.0	1.3	1.0	1.7	1.0	1.0	1.0	1.1
G04-1618 RR	1.0	1.0	2.2	2.8	2.0	1.7	1.0	2.7	1.8
N8001	1.0	1.0	2.0	2.0	2.3	1.0	1.0	1.0	1.4
N05-7432	1.0	1.0	1.8	3.3	2.0	1.0	1.0	1.0	1.5
G05-4237 RR	1.0	1.0	1.3	2.2	2.0	1.0	1.0	2.0	1.4
G06-2507 RR	1.0	1.0	1.2	1.3	1.7	1.0	1.0	1.0	1.1
G07-1185 RR	1.0	1.0	1.7	2.0	2.0	1.0	1.0	1.0	1.3
G07-1285 RR	1.0	1.0	1.5	1.8	2.0	1.0	1.0	1.0	1.3
G07-2879 RR	1.0	1.0	1.0	1.8	1.7	1.0	1.0	1.0	1.2
G07-3496 RR	1.0	1.0	1.7	2.2	2.0	1.0	1.0	1.7	1.4
G07-3557 RR	1.0	1.0	3.2	2.5	2.3	1.0	1.0	1.3	1.7
SC05-642RR	1.0	1.0	1.0	1.2	2.0	1.0	1.0	1.0	1.1
SC06-676RR	1.0	1.0	1.3	1.3	2.0	1.0	1.0	1.0	1.2
SC06-708RR	1.0	1.0	1.8	1.8	2.0	1.0	1.0	1.0	1.3
SC07-1490RR	1.0	1.0	1.7	1.5	2.0	1.0	1.0	1.0	1.3
SC07-150RR	1.0	1.0	1.5	1.3	2.0	1.0	1.0	1.0	1.2
SC07-1518RR	1.0	1.0	1.7	1.8	2.0	1.0	1.0	1.0	1.3
SC07-786RR	1.0	1.0	2.0	2.5	2.0	1.0	1.3	1.0	1.5
Mean	1.0	1.0	1.7	1.9	2.0	1.0	1.0	1.2	.

TABLE 110 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2011

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
SC01-803 RR	2.2	2.0	.	.	1.0	2.3	1.0	1.5	1.7
G04-1618 RR	2.3	2.0	.	.	1.0	2.0	1.0	1.7	1.7
N8001	2.0	2.3	.	.	1.0	2.3	1.0	1.8	1.8
N05-7432	2.0	2.2	.	.	1.0	2.3	1.0	1.8	1.7
G05-4237 RR	2.5	2.0	.	.	1.0	2.3	1.0	1.5	1.7
G06-2507 RR	2.2	2.2	.	.	1.0	2.0	1.0	1.8	1.7
G07-1185 RR	2.0	2.0	.	.	1.0	2.2	1.0	1.7	1.6
G07-1285 RR	2.2	2.3	.	.	1.0	2.2	1.0	2.0	1.8
G07-2879 RR	2.0	2.2	.	.	1.0	2.3	1.0	2.0	1.8
G07-3496 RR	2.2	2.0	.	.	1.0	2.2	1.0	1.8	1.7
G07-3557 RR	2.2	2.0	.	.	1.0	2.2	1.0	1.8	1.7
SC05-642RR	2.3	2.0	.	.	1.3	2.3	1.0	1.5	1.8
SC06-676RR	2.3	2.0	.	.	1.0	2.2	1.0	1.7	1.7
SC06-708RR	2.2	2.0	.	.	1.0	2.3	1.0	1.8	1.7
SC07-1490RR	2.0	2.0	.	.	1.0	2.3	1.0	1.8	1.7
SC07-150RR	2.0	2.0	.	.	1.0	2.0	1.0	1.5	1.6
SC07-1518RR	2.0	2.3	.	.	1.2	2.0	1.0	2.0	1.8
SC07-786RR	2.2	2.0	.	.	1.0	2.5	1.0	1.8	1.8
Mean	2.1	2.1	.	.	1.0	2.2	1.0	1.8	.

TABLE 111 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

	STRAIN/VARIETY	PARENTAGE	Fn	SPECIAL TRAITS
1	SC01-803 RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}		
2	G04-1618 RR	Commercial check		
3	N8001	N7001 x Cook		
4	N05-7432	N7002 x N98-7265	F4	Diversity, Drought, Exotic
5	G08-1212 RR	S99-1171 X H7242 RR	F7d	
6	G08-1799 RR	P97M50 X L00-3372	F6d	
7	G08-2864 RR	G00-3209 X G03-364 RR	F5d	
8	G08-2869 RR	G00-3209 X G03-364 RR	F5d	
9	G08-3279 RR	G00-3209 X G03-952 RR	F5d	
10	G08-3282 RR	G00-3209 X G03-952 RR	F5d	
11	G08-5122 RR	N97-9658 X G02-G176376	F7d	
12	N06-7187	N98-7265 x N93-110-6	F4	Slow Wilt, Exotic
13	N07-16202	Delsoy 4710 x N01-9059-1	F4	SCN
14	N09-13317	N98-7961xN95-7296	F4	Diversity, Exotic
15	N09-13325	N98-7961xN02-8760	F4	Diversity, Exotic
16	N09-13663	N98-7961xN02-8718	F4	Diversity, Exotic
17	N09-13671	N98-7961xN02-8718	F4	Diversity, Exotic
18	SC06-291RR	SC98-1930/SC00-892RR	F5	Long juvenile trait
19	SC06-5640RR	SC98-1850/SC00-579RR	F5	Long juvenile trait

**TABLE 112 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN PRELIMINARY TEST VIII FOR YEAR 2011**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	SEED QUALITY	SIZE	%	%	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK	RANK	INDEX							1.2.5.7 Race 2	0 Race 3	2.5.7 Race 5					
SC01-803 RR	40.0	13	11	0	1.5	39	1.8	16.1	41.8	21.1	4	1	3	R	1			
G04-1618 RR	44.3	3	6	-2	1.6	36	1.8	13.7	40.8	20.9	5	1	4	R	1			
N8001	41.9	8	8	-1	1.5	36	1.8	15.2	40.5	21.3	4	5	5	SS	3	P	G	T
N05-7432	41.7	9	8	3	1.9	32	1.7	14.6	40.7	21.0	4	5	5	S	5	P	G	
G08-1212 RR	40.3	12	11	0	1.4	38	1.8	14.6	40.2	22.2	2	3	1	S	5	P	T	T
G08-1799 RR	37.6	15	13	0	1.6	39	1.8	15.0	40.1	21.0	5	5	5	R	1	P	T	T
G08-2864 RR	42.3	7	7	1	1.6	36	1.8	17.6	41.1	21.2	4	1	4	R	1	W	T	T
G08-2869 RR	45.2	1	4	2	1.4	36	1.7	14.5	39.0	21.4	2	1	3	R	1	W	T	T
G08-3279 RR	45.0	2	5	0	1.4	39	1.8	16.6	41.3	20.8	5	1	4	S	5	W	T	T
G08-3282 RR	43.2	5	7	1	1.7	38	1.7	14.7	41.1	22.3	4	1	5	S	5	W	G	T
G08-5122 RR	43.4	4	8	0	1.6	37	1.6	13.8	39.3	22.0	3	2	4	R	1	W	G	T
N06-7187	33.8	17	17	7	1.8	46	1.7	15.7	40.8	20.6	5	5	5	R	1	W	G	
N07-16202	32.2	19	16	-4	1.8	38	1.8	11.5	39.9	21.3	3	3	3	R	1	P	G	
N09-13317	37.3	16	13	0	1.7	34	1.7	15.4	40.4	22.0	5	4	5	S	5	P	G	
N09-13325	38.6	14	13	0	1.7	34	1.7	19.7	42.2	21.6	5	5	5	S	5	P	G	
N09-13663	41.5	10	9	0	1.5	33	1.8	17.5	41.1	21.8	5	5	5	S	5	P	G	
N09-13671	40.6	11	10	-1	1.4	32	1.7	15.8	41.3	21.7	5	5	5	S	5	P	G	
SC06-291RR	42.3	6	8	4	1.9	40	1.7	13.7	41.1	21.1	4	2	4	R	1	W	G	T
SC06-5640RR	32.8	18	17	3	2.1	44	1.7	15.1	40.1	22.3	3	1	4	SS	3	W	G	T
Mean	40.2	.	.	1	1.6	37	1.7	15.3	40.7	21.5	.	.	.	.	.
LSD(0.05)	5.7	.	.	4	.	3	0.2	1.0	1.1	0.7	.	.	.	.	.
CV(%)	14.9	.	.	364	.	8	10.0	4.8	2.1	2.6	.	.	.	.	.

TABLE 113 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean	
SC01-803 RR	23.9	48.8	28.2	52.8	46.4	40.0	.
G04-1618 RR	24.9	50.6	36.4	50.0	59.4	44.3	.
N8001	30.5	53.5	33.0	47.4	45.2	41.9	.
N05-7432	29.1	53.8	32.5	51.9	41.0	41.7	.
G08-1212 RR	25.7	45.9	27.4	51.7	50.9	40.3	.
G08-1799 RR	25.8	42.6	29.5	48.2	41.7	37.6	.
G08-2864 RR	27.9	44.9	31.7	54.7	52.1	42.3	.
G08-2869 RR	29.8	56.5	33.8	56.5	49.2	45.2	.
G08-3279 RR	26.2	60.6	31.6	59.0	47.5	45.0	.
G08-3282 RR	23.6	55.0	33.1	56.5	48.0	43.2	.
G08-5122 RR	24.1	52.6	28.8	58.1	53.5	43.4	.
N06-7187	21.3	40.9	26.7	48.3	31.6	33.8	.
N07-16202	27.4	41.7	25.0	39.0	27.7	32.2	.
N09-13317	21.7	48.7	35.9	43.3	36.9	37.3	.
N09-13325	23.2	52.4	28.9	43.2	45.1	38.6	.
N09-13663	21.8	57.9	29.7	48.7	49.5	41.5	.
N09-13671	23.0	56.3	33.1	47.1	43.7	40.6	.
SC06-291RR	27.8	48.9	31.3	51.6	52.1	42.3	.
SC06-5640RR	18.9	41.2	30.3	46.1	27.6	32.8	.
Mean	25.1	50.1	30.9	50.2	44.7	40.2	.
LSD(0.05)	6.2	8.5	6.2	6.9	11.1	5.7	.
CV(%)	14.9	10.2	12.1	8.4	14.9	14.9	.

TABLE 114 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	20.7	21.6	20.2	21.7	21.4	21.1
G04-1618 RR	20.8	20.8	20.4	21.3	21.2	20.9
N8001	21.0	21.3	20.7	22.1	21.3	21.3
N05-7432	20.7	21.4	19.9	21.3	21.6	21.0
G08-1212 RR	22.9	22.3	21.4	21.6	22.7	22.2
G08-1799 RR	20.9	21.0	20.4	21.0	21.9	21.0
G08-2864 RR	21.3	21.7	20.0	21.5	21.7	21.2
G08-2869 RR	20.3	21.7	20.4	22.7	22.1	21.4
G08-3279 RR	20.8	21.1	20.1	21.0	21.2	20.8
G08-3282 RR	22.0	23.1	22.2	21.6	22.8	22.3
G08-5122 RR	21.6	22.1	22.3	21.7	22.3	22.0
N06-7187	18.4	21.4	20.4	21.4	21.5	20.6
N07-16202	21.5	20.8	20.3	22.7	21.0	21.3
N09-13317	21.4	22.2	21.5	22.6	22.4	22.0
N09-13325	20.7	22.4	21.8	21.5	21.7	21.6
N09-13663	20.9	22.4	22.0	21.1	22.7	21.8
N09-13671	20.8	21.9	20.8	22.3	22.5	21.7
SC06-291RR	21.1	20.9	20.6	21.8	21.0	21.1
SC06-5640RR	21.7	22.2	22.0	22.6	23.0	22.3
Mean	21.0	21.7	20.9	21.8	21.9	.

TABLE 115 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	39.9	43.1	42.7	40.8	42.3	41.8
G04-1618 RR	39.6	41.4	41.2	40.7	40.8	40.8
N8001	40.7	41.0	40.8	39.7	40.6	40.5
N05-7432	39.3	41.1	41.1	41.6	40.3	40.7
G08-1212 RR	37.9	41.0	41.4	40.0	40.8	40.2
G08-1799 RR	38.8	41.4	40.8	40.1	39.4	40.1
G08-2864 RR	39.0	41.6	42.8	39.8	42.3	41.1
G08-2869 RR	37.9	39.3	39.7	39.5	38.7	39.0
G08-3279 RR	39.5	42.2	42.4	40.2	42.0	41.3
G08-3282 RR	39.9	41.3	40.8	41.8	41.9	41.1
G08-5122 RR	38.3	40.8	38.7	38.5	40.1	39.3
N06-7187	40.1	40.9	41.3	41.2	40.5	40.8
N07-16202	38.7	40.2	39.4	41.1	40.0	39.9
N09-13317	39.7	41.3	41.4	39.2	40.7	40.4
N09-13325	42.6	42.5	43.0	40.0	42.7	42.2
N09-13663	41.3	41.1	42.6	39.3	41.2	41.1
N09-13671	41.2	41.4	42.4	41.1	40.4	41.3
SC06-291RR	38.8	42.0	40.9	42.4	41.7	41.1
SC06-5640RR	40.7	40.2	41.0	40.4	38.2	40.1
Mean	39.7	41.2	41.3	40.4	40.8	.

TABLE 116 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	16.2	.	16.1	16.8	15.2	16.1
G04-1618 RR	13.9	.	13.0	14.3	13.7	13.7
N8001	15.9	.	15.0	15.6	14.3	15.2
N05-7432	15.7	.	13.1	15.2	14.3	14.6
G08-1212 RR	14.5	.	14.0	14.6	15.4	14.6
G08-1799 RR	14.3	.	15.1	15.7	15.0	15.0
G08-2864 RR	15.9	.	17.4	19.4	17.7	17.6
G08-2869 RR	15.7	.	13.7	14.8	13.7	14.5
G08-3279 RR	16.4	.	15.5	18.2	16.5	16.6
G08-3282 RR	15.0	.	14.1	14.9	14.9	14.7
G08-5122 RR	14.8	.	12.1	14.6	13.9	13.8
N06-7187	16.3	.	14.3	16.2	15.8	15.7
N07-16202	13.5	.	11.1	10.6	10.8	11.5
N09-13317	15.1	.	15.0	16.2	15.3	15.4
N09-13325	19.6	.	19.1	20.0	20.2	19.7
N09-13663	17.6	.	17.0	18.2	17.3	17.5
N09-13671	15.9	.	15.7	16.1	15.5	15.8
SC06-291RR	13.4	.	12.8	14.0	14.5	13.7
SC06-5640RR	15.8	.	15.7	15.5	13.6	15.1
Mean	15.6	.	14.7	15.8	15.1	.

TABLE 117 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	11/2	10/29	10/29	.	10/21	10/28
G04-1618 RR	-2	-3	-2	.	0	-2
N8001	-2	-2	-4	.	2	-1
N05-7432	7	3	-4	.	5	3
G08-1212 RR	1	0	-3	.	3	0
G08-1799 RR	2	-2	-2	.	3	0
G08-2864 RR	4	-1	-1	.	0	1
G08-2869 RR	7	2	-2	.	2	2
G08-3279 RR	5	-1	-3	.	0	0
G08-3282 RR	2	1	-2	.	3	1
G08-5122 RR	2	0	-2	.	2	0
N06-7187	10	12	3	.	5	7
N07-16202	-3	-6	-4	.	-4	-4
N09-13317	-1	3	-4	.	3	0
N09-13325	1	0	-3	.	2	0
N09-13663	0	0	-2	.	0	0
N09-13671	-1	-2	-3	.	2	-1
SC06-291RR	4	7	0	.	7	4
SC06-5640RR	-1	13	-4	.	5	3
Mean	2	1	-2	.	2	.

TABLE 118 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	28	46	35	45	40	39
G04-1618 RR	28	41	33	39	38	36
N8001	28	41	33	41	36	36
N05-7432	25	37	32	36	31	32
G08-1212 RR	30	46	31	39	44	38
G08-1799 RR	28	46	37	40	44	39
G08-2864 RR	27	42	36	40	38	36
G08-2869 RR	25	45	32	41	37	36
G08-3279 RR	28	45	36	43	43	39
G08-3282 RR	29	44	33	43	38	38
G08-5122 RR	30	44	31	40	38	37
N06-7187	35	53	50	49	45	46
N07-16202	33	47	34	41	35	38
N09-13317	26	40	32	36	33	33
N09-13325	26	39	30	38	34	34
N09-13663	27	39	30	34	33	33
N09-13671	26	37	27	35	30	31
SC06-291RR	33	44	40	43	39	40
SC06-5640RR	27	52	41	50	48	44
Mean	28	44	34	41	38	.

TABLE 119 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	1.0	2.2	2.5	1.0	1.0	1.5
G04-1618 RR	1.0	2.8	2.0	1.0	1.0	1.6
N8001	1.0	2.3	2.0	1.3	1.0	1.5
N05-7432	1.0	2.7	3.0	1.7	1.3	1.9
G08-1212 RR	1.0	1.8	2.0	1.0	1.0	1.4
G08-1799 RR	1.0	2.8	2.0	1.0	1.0	1.6
G08-2864 RR	1.0	2.0	2.5	1.3	1.0	1.6
G08-2869 RR	1.0	1.8	2.0	1.0	1.3	1.4
G08-3279 RR	1.0	1.8	2.0	1.3	1.0	1.4
G08-3282 RR	1.0	3.3	2.0	1.0	1.3	1.7
G08-5122 RR	1.0	2.7	2.0	1.0	1.3	1.6
N06-7187	1.0	2.7	2.0	2.0	1.3	1.8
N07-16202	1.0	3.3	2.0	1.0	1.7	1.8
N09-13317	1.0	2.7	2.0	1.7	1.0	1.7
N09-13325	1.0	2.5	2.5	1.3	1.0	1.7
N09-13663	1.0	1.8	2.5	1.0	1.0	1.5
N09-13671	1.0	2.0	2.0	1.0	1.0	1.4
SC06-291RR	1.0	2.3	2.5	2.3	1.3	1.9
SC06-5640RR	1.0	3.3	3.0	2.3	1.0	2.1
Mean	1.0	2.5	2.2	1.3	1.1	.

TABLE 120 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2011

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clayton, NC	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	2.3	.	.	2.2	1.0	1.8
G04-1618 RR	2.3	.	.	2.2	1.0	1.8
N8001	2.2	.	.	2.3	1.0	1.8
N05-7432	2.0	.	.	2.0	1.0	1.7
G08-1212 RR	2.0	.	.	2.3	1.0	1.8
G08-1799 RR	2.3	.	.	2.2	1.0	1.8
G08-2864 RR	2.2	.	.	2.2	1.0	1.8
G08-2869 RR	2.0	.	.	2.0	1.0	1.7
G08-3279 RR	2.0	.	.	2.3	1.0	1.8
G08-3282 RR	2.0	.	.	2.0	1.0	1.7
G08-5122 RR	1.8	.	.	2.0	1.0	1.6
N06-7187	2.0	.	.	2.0	1.0	1.7
N07-16202	2.2	.	.	2.2	1.0	1.8
N09-13317	2.0	.	.	2.2	1.0	1.7
N09-13325	2.0	.	.	2.0	1.0	1.7
N09-13663	2.3	.	.	2.2	1.0	1.8
N09-13671	2.0	.	.	2.2	1.0	1.7
SC06-291RR	2.0	.	.	2.2	1.0	1.7
SC06-5640RR	2.0	.	.	2.2	1.0	1.7
Mean	2.1	.	.	2.1	1.0	.