

# UNIFORM SOYBEAN TESTS

## SOUTHERN STATES

# 2014

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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), AG4232RR2Y, AG4632RR2Y, LD06-7620, AG3934RR2, AG4907(RR), Ellis, AG4933RR2, Osage, JTN-5203, 95Y70, AG5332RR2Y, AG5534RR2, Dillon, NC-Roy, NCC06-1090, AG6534, NCC07-8138, AGS738RR, AG7733, N7003CN, NCC06-899, AGS828RR, AG7934, 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.

## **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.

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## STRAIN DESIGNATION

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

DA	-	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
LLL	-	North Carolina Agricultural Experiment Station and USDA-ARS
N	-	North Carolina Agricultural Experiment Station and USDA-ARS
NCC	-	North Carolina Agricultural Experiment Station and USDA-ARS
NLM	-	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
TN	-	Tennessee Agricultural Experiment Station
V	-	Virginia Agricultural Experiment Station, Virginia Tech
VS	-	Virginia Agricultural Experiment Station, Virginia State University



## SOYBEAN NURSERY INFORMATION

### A. LOCATION CONTACT AND TESTS- 2014

2014 Locations	Location Contact	Area	IV-S-E	IV-S-L	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)	Zenglu Li	South							U	P	U	P	U
Athens,GA(B)	Zenglu Li	South									U		U
Calhoun,GA	John Gasset	South							U		U		
Plains,GA	Zenglu Li	South								P	U	P	U
Tifton,GA	John Gasset	South							U		U		U
Carbondale,IL	Stella K. Kantartzi	South	P	P	U								
Valmeyer,IL(SDS)	Cathy Schmidt				U		U						
McCune,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Pittsburg,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Manhattan,KS	W. T. Schapaugh, Jr.	West		P	U	P	U						
Bossier City,LA	Blair Buckley	West			U		U		U		U		
Portageville,MO(A)	Grover Shannon	Delta			U		U						
Portageville,MO(B)	Grover Shannon	Delta	P	P	U	P	U						
Columbia,MO	Andrew Scaboo	Delta	P										
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	Tommy Carter	East				P		P	U	P	U	P	U
Plymouth,NC	Tommy Carter	East					U	P		P	U		
Blackville,SC	Ben Fallen	South									U	P	U
Florence,SC	Ben Fallen	South							U	P	U	P	U
Clemson,SC	Ben Fallen	South						P	U		U		U
Jackson,TN	P. Arelli	South	P	P	U	P	U						
Knoxville,TN	Vincent R. Pantalone	South	P	P	U	P	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	Bo Zhang	East	P	P	U	P	U						
TOTAL LOCATIONS PLANTED			11	11	17	11	19	7	13	6	14	7	12
TOTAL LOCATIONS REPORTING DATA			10	10	14	10	17	7	13	5	12	6	11

B. PLANTING DATES – 2014

2014 PLANTING DATES	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								5/22	5/22		
Fairhope,AL									6/9	6/9	6/9
Tallassee,AL(A)				5/28	5/28	5/28			5/28	5/28	5/28
Tallassee,AL(B)											7/22
Keiser,AR	5/7	5/7	5/7	5/7			5/7	5/7	5/7		
Stuttgart,AR	6/19	6/19	6/19	6/19			6/19	6/19	6/19		
Athens,GA(A)					5/23	5/23			5/22	5/23	5/23
Athens,GA(B)										6/23	6/23
Calhoun,GA									ND	ND	
Plains,GA					6/10	6/10				6/10	6/10
Tifton,GA									ND	ND	ND
Carbondale,IL	5/15	5/15					5/15				
Valmeyer,IL(SDS)							4/15	4/15			
McCune,KS		6/20	6/20				6/20	6/20			
Pittsburg,KS		6/25	6/25				6/25	6/25			
Manhattan,KS		6/25	6/25				6/25	6/25			
Bossier City,LA							4/30	4/30	4/30	5/1	
Portageville,MO(A)							5/19	5/19			
Portageville,MO(B)	5/7	5/6	5/6				5/7	5/6			
Columbia,MO	5/23										
Starkville,MS							4/25	4/25			
Stoneville,MS	4/21	4/21	4/21	4/21			4/21	4/21	4/21		
Clayton,NC						6/13				6/13	6/13
Kinston,NC			6/10	6/11	6/16	ND			6/11	6/16	6/13
Plymouth,NC				5/22	5/22			5/21		5/21	
Blackville,SC						ND				ND	ND
Clemson,SC				5/29					5/29	6/23	6/23
Florence,SC					6/26			5/28	6/26	6/26	6/26
Jackson,TN	5/20	5/20	5/20				5/20	5/20			
Knoxville,TN	5/12	5/12	5/12				5/12	5/12			
Springfield,TN	5/23						5/23	5/23			
Orange,VA	5/20						5/20	5/20			
Suffolk,VA								ND			
Warsaw,VA	5/25	5/25	5/25				5/25	5/25			

ND = No dates reported

C. HARVEST DATES – 2014

2014 HARVEST DATES	PIV-S-E	PIV-S-L	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								10/20	10/21		
Fairhope,AL									11/7	11/10	11/10
Tallassee,AL(A)				11/10	11/11	11/11			11/10	11/11	11/11
Tallassee,AL(B)											11/11
Keiser,AR	10/13	10/13	10/16	10/18			10/14	10/16	10/18		
Stuttgart,AR	10/27	10/27	10/27	10/27			10/27	10/27	10/27		
Athens,GA(A)					10/30	10/30			10/21	10/30	10/30
Athens,GA(B)										ND	11/12
Calhoun,GA									ND	ND	
Plains,GA					11/10	11/10				11/10	11/10
Tifton,GA									ND	ND	ND
Carbondale,IL	9/15	9/15					9/15				
Valmeyer,IL(SDS)							ND	ND			
McCune,KS		11/7	11/7				11/7	11/7			
Pittsburg,KS		11/6	11/6				11/6	11/6			
Manhattan,KS		ND	ND				ND	ND			
Bossier City,LA							9/25	9/30	10/21	10/24	
Portageville,MO(A)							10/9	10/20			
Portageville,MO(B)	ND	10/25	10/25				ND	10/25			
Columbia,MO	10/27										
Starkville,MS							9/8	9/29			
Stoneville,MS	9/8	9/17	10/6	10/6			9/17	10/6	10/6		
Clayton,NC						ND				ND	ND
Kinston,NC			11/7	11/19	11/21	11/29			11/19	11/21	11/29
Plymouth,NC				11/15	11/15			10/28		11/15	
Blackville,SC						ND				ND	ND
Clemson,SC				11/7					11/10	11/19	11/19
Florence,SC					ND	12/11			11/11	12/2	12/10
Jackson,TN	10/21	10/21	11/3				10/23	11/3			
Knoxville,TN	9/30	10/22	10/22				10/21	10/22			
Springfield,TN	10/30						10/30	10/30			
Orange,VA	10/9						10/20	10/20			
Suffolk,VA								ND			
Warsaw,VA	10/1	10/19	10/23				10/19	10/23			

Location Notes	
Athens,GA(A)	SCN Count UT6=134, UPT7-8, UT7-8=36
Athens,GA(B)	UTVII Discarded due to poor stands.
Athens,GA(B)	SCN Count = 185
Plains,GA	SCN Count = 10
Manhattan,KS	Grown for observation during 2014 breeders tour, not harvested.
Portageville,MO(B)	PIV-S-E, UIV-S = Not harvested due to poor stands from heavy spring rains.
Blackville,SC	Location data lost due to RoundUp application.
Florence,SC	PVII Planted at Blackville location, data lost due to RoundUp application.

ND = No dates reported

D. AGRONOMIC CHARACTERISTICS OF LOCATIONS – 2014

2014 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)	Cecil coarse sandy loam	30	20	12	Yes	Yes	4	2	Cotton, Fallow	Yes
Athens,GA(B)	Cecil 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	Cotton	Yes
Tifton,GA	Tifton sandy loam	30	20	16	Yes	Yes	4	2	Corn	Yes
Carbondale,IL	Hoyleton	30	15	15	Yes	No	4	2	Corn	No
Valmeyer,IL(SDS)	Bonnie silt loam	30	15	15	Yes	No	4	2	Corn	No
McCune,KS	Parsons silt loam	30	12	12	Yes	No	4	2	Corn	No
Pittsburg,KS	Parsons silt loam	30	12	12	Yes	No	4	2	Wheat	No
Manhattan,KS	No Data	30	11	11	Yes	No	4	2	No Data	No
Bossier City,LA	Caplis very fine sandy loam	40	28	22	Yes	Yes	4	2	Soybeans	Yes
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
Columbia,MO	Mexico-silt loam	30	12	12	Yes	No	4	2	Wheat	Yes
Starkville,MS	Brooksville silty clay	19	20	14.5	Yes	Yes	3	3	Corn	No
Stoneville,MS	Sharkey clay	26	18.5	16	Yes	Yes	5	3	Soybean	Yes
Columbia,MO	Norfolk sandy loam	38	18	15	Yes	Yes	3	1	Cotton	Yes
Kinston,NC	Stallings loamy sand	38	18	15	Yes	Yes	3	1	Corn	No
Plymouth,NC	Portsmouth silt loam	38	19	15	Yes	Yes	3	1	Corn	No
Blackville,SC	Grady Fine Sandy Loam	38	20	12	Yes	Yes	4	2	Soybeans	Yes
Florence,SC	Sandy Loam	30	25	18	Yes	Yes	4	2	Corn	Yes
Clemson,SC	Cartecay fine sandy loam	38	30	22	Yes	Yes	4	2	Soybean	No
Jackson,TN	Vicksburg silt loam/ Vicksburg fine sandy loam	30	20	20	Yes	No	4	2	Soybeans	No
Knoxville,TN	Sequatchie silt loam*	30	20	16	Yes	Yes	4	2	Soybeans	Yes
Springfield,TN	Mountview Silt Loam	30	25	16	Yes	Yes	4	2	Corn	Yes
Orange,VA	Davidson	21	16	12	Yes	Yes	3	3	Corn	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	
Tallasse, AL(A)	not reported	
Tallasse, AL(B)	not reported	
Pine Tree, AR	N/A	
Rohwer, AR	<a href="http://www.aragriculture.org/weather/default.asp">http://www.aragriculture.org/weather/default.asp</a>	
Georgetown, DE	<a href="http://www.rec.udel.edu/TopLevel/Weather.htm">http://www.rec.udel.edu/TopLevel/Weather.htm</a>	
Athens, GA (A)	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP</a>	
Athens, GA (B)	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP</a>	
Calhoun, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA</a>	
Plains, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL</a>	
Tifton, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI</a>	
Ullin, IL	none	
McCune, KS	<a href="http://www.oznet.ksu.edu/wdl/">http://www.oznet.ksu.edu/wdl/</a>	
Pittsburg, KS	<a href="http://www.oznet.ksu.edu/wdl/">http://www.oznet.ksu.edu/wdl/</a>	
Princeton, KY	<a href="http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/AgriNews/oct226.pdf">http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/AgriNews/oct226.pdf</a>	
Alexandria, LA	<a href="http://www.lsuagcenter.com/weather">www.lsuagcenter.com/weather</a>	
Bossier City, LA	<a href="http://www.lsuagcenter.com/weather/tabledata.asp">www.lsuagcenter.com/weather/tabledata.asp</a>	
Queenstown, MD	none	
Portageville, MO(A)	<a href="http://agebb.missouri.edu/weather/realtime/portageville.asp">http://agebb.missouri.edu/weather/realtime/portageville.asp</a>	
Portageville, MO(B)	<a href="http://agebb.missouri.edu/weather/realtime/portageville.asp">http://agebb.missouri.edu/weather/realtime/portageville.asp</a>	
Starkville, MS	<a href="http://www.deltaweather.msstate.edu/">http://www.deltaweather.msstate.edu/</a>	
Stoneville, MS	<a href="http://www.deltaweather.msstate.edu/">http://www.deltaweather.msstate.edu/</a>	Stoneville is at the end of the list of weather stations.
Jackson Springs, NC	<a href="http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&amp;temporal=daily">http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&amp;temporal=daily</a>	Sandhills Station, NC (Jackson Springs)
Kinston, NC	<a href="http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&amp;temporal=D">http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&amp;temporal=D</a>	Kinston, NC
Plymouth, NC(A)	<a href="http://www.nc-climate.ncsu.edu/cronos/?station=PLYM">http://www.nc-climate.ncsu.edu/cronos/?station=PLYM</a>	Tidewater Research Station
Plymouth, NC(B)	<a href="http://www.nc-climate.ncsu.edu/cronos/?station=PLYM">http://www.nc-climate.ncsu.edu/cronos/?station=PLYM</a>	Tidewater Research Station
Bixby, OK	<a href="http://www.mesonet.ou.edu">www.mesonet.ou.edu</a>	
Stillwater, OK	<a href="http://www.mesonet.ou.edu">www.mesonet.ou.edu</a>	
Blackville, SC(A)	<a href="http://www.ncdc.noaa.gov/crn/">http://www.ncdc.noaa.gov/crn/</a>	
Blackville, SC(B)	<a href="http://www.ncdc.noaa.gov/crn/">http://www.ncdc.noaa.gov/crn/</a>	
Clemson, SC	<a href="http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&amp;graphspan=month&amp;month=6&amp;day=1&amp;year=2007">http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&amp;graphspan=month&amp;month=6&amp;day=1&amp;year=2007</a>	
Florence, SC	not reported	
Jackson, TN	None on the web	
Knoxville, TN	<a href="http://www.ncdc.noaa.gov">www.ncdc.noaa.gov</a>	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	<a href="http://www.accuweather.com/forecast-climo.asp?partner=30371&amp;traveler=0&amp;zipChg=1&amp;zipcode=23841&amp;metric=0">http://www.accuweather.com/forecast-climo.asp?partner=30371&amp;traveler=0&amp;zipChg=1&amp;zipcode=23841&amp;metric=0</a>	This only has the past two months of data
Suffolk, VA	not reported	
Warsaw, VA	<a href="http://www.ext.vt.edu/cgi-bin/VWebObjects/Mesonet.woa/wa/lookupCoordinate?472.102">http://www.ext.vt.edu/cgi-bin/VWebObjects/Mesonet.woa/wa/lookupCoordinate?472.102</a>	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. Cultural practices, including fertilization, chemical application and irrigation practices, varied at each location to conform to the normal practices of each collaborator. 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 - Ellis; PIV-S (E) - AG 4232; PIV-S (L) - Ellis; UV and PV – Osage; UVI and PVI - DILLON; UVII and PVII – AGS-738RR; and UVIII and PVIII – AGS828RR.

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 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 50 ml composite sample of each strain from all replications in a test 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 2011 and prior 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 2014 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). Soybean Cyst Nematode (SCN). Screening for plant reaction to SCN was conducted in the greenhouse at Jackson, TN in 2014. Screening for SCN was done with HG Type 2.5.7 (race 1), HG Type 0 (race 3), and HG Type 2.5.7 (race 5). Screening for SCN race 2 was not conducted this year because our greenhouse culture did not retain its original reaction. The distinction between the two HG Types 2.5.7 (races 1 and 5) that were used to screen the lines in the uniform test was demonstrated by including additional differential cv. Pickett. Pickett is resistant to Race 1 and susceptible to Race 5. One seed of each soybean entry (UIVS-UVIII and PIVS-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 rating scale was 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. 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 2014 the HG Type of the populations was as follows: HG Type 2.5.7 (race 1), HG Type 0 (race 3), and HG Type 2.5.7 (race 5). Williams 82 was used as the standard susceptible. The standard index lines were included in every test to confirm characterization. For race 1, Williams 82 had an average of 425 cysts. The female index for the cultures were as follows: Pickett FI 1%, PI 548402 FI <1.0%, PI 88788 FI 30%, PI 90763 FI 0%, PI 437654 FI <1%, PI 209332 FI 36%, PI 89772 FI <1%, and PI 548316 FI 65%. For race 3, Williams 82 had an average of 199 cysts. The female index for the cultures were as follows: Pickett FI <1%, PI 548402 FI <1%, PI 88788 FI 3%, PI 90763 FI 0%, PI 437654 FI 0%, PI 209332 FI 7%, PI 89772 FI <1%, and PI 548316 FI 13%. For race 5, Williams 82 had an average of 215 cysts. The female index for the cultures were as follows: Pickett FI 20%, PI 548402 FI <1%, PI 88788 FI 18%, PI 90763 FI 0%, PI 437654 FI 0%, PI 209332 FI 49%, PI 89772 FI <1%, and PI 548316 FI 61%.

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. Autoclaved toothpicks were acquired from Gabriel L. Sciumbato, using the same fungus strains and techniques used in the 2014 Mississippi State variety trials. 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 observed and noted every 2 weeks beginning with initial signs of disease on the susceptible checks. Final ratings were determined when the susceptible checks had been killed by the disease, or the plot was near maturity. Plants having any external lesion were rated as susceptible. NOTE: No results were reported for 2014. Plants were inoculated, but no discernable differences between susceptible and resistant varieties were apparent.

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. A few plants showed minor leaf symptoms

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 the resistant check Pharaoh respectively, were 67 and 73, and 25. The DX for the UV susceptible checks DP 105 and 850RR, and the resistant check LS05-6521 respectively, were 59, 64, and 28.

## **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.

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**TABLE 1 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1 Ellis	Commercial check		
2 AG 4632RR2Y	Commercial check		
3 AG 4907	Commercial check		
4 AG 4933RR2	Commercial check		
5 AG 3934RR2	Commercial check		
6 DS25-1	DT98-9102xPI587982A	F5	Hi Germ
7 R09-1589	5002T x R01-4752	F5	
8 R09-4571	DP4748 x S01-9794	F5	
9 R09-5137	5002T x Ozark	F5	
10 R10-28	5002T x Ozark	F5	
11 R11-89RY	Osage x RR2Y	F4	
12 S10-11200	S04-8882 X R00-1194F	F5	Conv, SCN
13 S11-17025	S05-11268 X S05-11482	F5	Conv
14 S11-20345	S05-11482 X S06-3095RR	F5	RR1
15 S11-20356	S05-11482 X S06-3095RR	F5	RR1
16 S11-9618	S06-10572RR X S08-115	F5	RR2
17 TN11-4510	TN02-226 x MON RR2Y		

**TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

STRAIN/ VARIETY	AVERAGE		YIELD <sub>‡</sub>			PROTEIN			OIL		
	RANK	RANK	2014	13-14	12-14	2014	13-14	12-14	2014	13-14	12-14
Ellis	3	6	59.3	.	.	39.6	.	.	21.9	.	.
AG 4632RR2Y	5	6	59.0	60.9	62.0	39.7	39.7	39.6	22.6	22.7	22.6
AG 4907	11	11	54.5	56.5	58.6	40.6	40.7	40.7	22.8	22.6	22.5
AG 4933RR2	2	6	59.6	.	.	41.1	.	.	22.0	.	.
AG 3934RR2	17	17	40.4	.	.	42.0	.	.	22.3	.	.
DS25-1	16	14	48.5	48.6	.	40.8	41.2	.	20.5	20.4	.
R09-1589	7	7	58.0	58.6	.	38.9	39.1	.	22.4	22.4	.
R09-4571	15	13	49.9	53.3	.	40.9	41.2	.	22.5	22.5	.
R09-5137	13	10	53.9	.	.	39.2	.	.	22.8	.	.
R10-28	6	7	58.0	.	.	40.2	.	.	22.9	.	.
R11-89RY	8	7	57.9	.	.	42.0	.	.	22.0	.	.
S10-11200	14	11	52.4	.	.	39.4	.	.	22.8	.	.
S11-17025	1	6	59.9	.	.	40.5	.	.	22.1	.	.
S11-20345	4	6	59.2	.	.	40.0	.	.	22.7	.	.
S11-20356	9	7	57.9	.	.	40.3	.	.	22.2	.	.
S11-9618	12	11	54.1	.	.	41.5	.	.	22.6	.	.
TN11-4510	10	8	57.0	.	.	38.9	.	.	22.5	.	.
Mean	.	.	55.3	.	.	40.3	.	.	22.3	.	.
LSD(0.05)	.	.	4.3	.	.	0.8	.	.	0.5	.	.
CV(%)	.	.	12.6	.	.	2.3	.	.	2.4	.	.

‡Data not included in mean: 2014 – Carbondale, IL; Orange, VA  
2013 – Orange, VA; Starkville, MS  
2012 – Jackson, TN; Starkville, MS

**TABLE 3 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>MAT. INDEX</b>	<b>LODGING</b>	<b>HEIGHT</b>	<b>SEED QUALITY</b>	<b>SEED SIZE</b>	<b>FL. COLOR</b>	<b>PUB. COLOR</b>	<b>POD COLOR</b>
Ellis	0	1.5	27	1.6	13.3	W	G	
AG 4632RR2Y	-6	1.9	32	2.6	16.1	P	G	
AG 4907	-5	1.9	35	2.2	14.5	P	G	
AG 4933RR2	-6	1.7	33	2.2	15.4	P	G	
AG 3934RR2	-15	1.8	26	3.1	17.5	P	G	
DS25-1	-4	2.6	35	1.9	11.8	W	G	T
R09-1589	0	1.5	29	1.9	15.3	P	T	T
R09-4571	-5	2.0	32	2.8	16.8	P	T	T
R09-5137	-1	1.8	27	2.0	16.7	P	G	T
R10-28	0	1.8	30	1.7	15.6	P	G	T
R11-89RY	0	1.6	28	1.9	14.5	P	G	T
S10-11200	-7	1.6	31	2.5	15.4	W	T	
S11-17025	2	2.2	29	2.0	14.4	W	T	
S11-20345	-3	1.9	31	2.0	13.2	W	T	
S11-20356	-2	1.8	30	1.9	13.8	P	T	
S11-9618	-7	1.9	31	2.7	16.3	P	G	
TN11-4510	0	1.6	27	1.9	14.3	P	LT	
Mean	-3	1.8	30	2.2	15.0			
LSD(0.05)	3	0.5	3	0.4	0.7			
CV(%)	103	38.0	16	24.0	6.2			

**TABLE 4 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>SCN HG TYPE 2.5.7 Race 1</b>	<b>SCN HG TYPE 0 Race 3</b>	<b>SCN HG TYPE 2.5.7 Race 5</b>	<b>PRK GA</b>	<b>SRK GA</b>	<b>SC RATING</b>	<b>SC SCORE</b>	<b>SDS DX</b>
Ellis	5	5	4	4.5	1.0	.		28
AG 4632RR2Y	4	4	5	4.8	4.0	.		33
AG 4907	4	4	4	4.8	5.0	.		22
AG 4933RR2	5	4	4	4.8	5.0	.		6
AG 3934RR2	5	5	4	4.3	4.8	.		2
DS25-1	4	5	4	5.0	5.0	.		36
R09-1589	5	5	4	4.3	5.0	.		22
R09-4571	4	5	4	3.0	5.0	.		33
R09-5137	5	5	4	4.8	4.5	.		22
R10-28	5	5	4	5.0	5.0	.		11
R11-89RY	5	5	5	5.0	4.8	.		36
S10-11200	5	4	3	5.0	4.0	.		4
S11-17025	1	1	1	5.0	1.3	.		1
S11-20345	4	4	3	1.8	5.0	.		2
S11-20356	1	3	1	4.5	1.0	.		1
S11-9618	5	5	3	5.0	2.5	.		31
TN11-4510	5	5	4	4.8	5.0	.		28

**TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
Ellis	81.0	68.3	59.4	63.9	68.1
AG 4632RR2Y	82.4	69.0	72.6	71.8	74.0
AG 4907	79.8	53.3	57.2	66.6	64.2
AG 4933RR2	85.5	62.7	65.7	72.2	71.4
AG 3934RR2	54.4	42.3	45.0	43.3	46.3
DS25-1	61.5	49.0	65.3	60.1	59.0
R09-1589	80.4	68.3	61.5	73.6	71.0
R09-4571	65.3	58.0	48.2	58.4	57.5
R09-5137	72.9	60.0	52.1	61.4	61.6
R10-28	82.9	61.8	65.1	75.2	71.2
R11-89RY	82.3	63.5	69.9	68.0	70.9
S10-11200	53.5	69.7	57.2	57.5	59.5
S11-17025	85.1	66.8	61.4	73.6	71.5
S11-20345	80.7	62.0	65.5	67.0	68.8
S11-20356	66.8	67.0	66.2	61.8	65.5
S11-9618	74.9	59.2	63.4	61.6	64.8
TN11-4510	78.3	64.1	74.9	66.1	70.9
Mean	74.6	61.5	61.8	64.8	65.6
LSD(0.05)	9.1	12.0	14.3	9.3	7.8
CV(%)	7.2	11.8	13.9	8.4	11.9

**TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
Ellis	55.1	55.1
AG 4632RR2Y	43.6	43.6
AG 4907	43.6	43.6
AG 4933RR2	44.0	44.0
AG 3934RR2	37.0	37.0
DS25-1	39.9	39.9
R09-1589	50.2	50.2
R09-4571	36.1	36.1
R09-5137	47.2	47.2
R10-28	47.8	47.8
R11-89RY	49.3	49.3
S10-11200	34.7	34.7
S11-17025	47.4	47.4
S11-20345	49.7	49.7
S11-20356	45.2	45.2
S11-9618	40.1	40.1
TN11-4510	44.4	44.4
Mean	44.4	44.4
LSD(0.05)	6.0	6.0
CV(%)	8.1	8.1



**TABLE 5 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, ‡ IL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, ‡ VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
Ellis	62.4	55.9	62.7	39.0	66.4	62.4	61.9
AG 4632RR2Y	61.2	49.1	66.0	15.2	58.0	58.9	58.0
AG 4907	50.1	42.3	57.6	32.8	62.6	53.5	54.0
AG 4933RR2	55.9	45.4	61.4	32.6	64.1	75.0	61.5
AG 3934RR2	35.3	38.1	37.0	18.9	46.6	42.5	41.1
DS25-1	28.8	39.7	51.4	33.6	45.0	50.4	46.6
R09-1589	45.7	46.9	62.1	42.7	55.1	49.5	53.4
R09-4571	41.6	43.1	43.2	27.8	53.7	58.8	49.7
R09-5137	48.6	35.9	67.8	34.8	61.7	57.0	55.6
R10-28	50.1	37.7	66.4	45.7	62.6	54.5	55.3
R11-89RY	45.0	47.4	66.4	42.2	60.8	47.8	55.6
S10-11200	44.3	46.4	55.0	23.4	58.7	55.8	54.0
S11-17025	53.5	48.0	60.4	33.5	58.4	55.7	55.6
S11-20345	52.3	50.0	63.6	29.4	54.0	58.7	56.6
S11-20356	37.8	54.3	64.2	31.1	56.7	58.0	58.3
S11-9618	35.3	42.7	58.1	25.2	57.3	56.6	53.7
TN11-4510	52.0	45.6	61.9	28.4	55.9	47.0	52.6
Mean	47.1	45.2	59.1	31.6	57.5	55.4	54.3
LSD(0.05)	16.4	5.6	7.5	9.0	11.5	9.8	7.5
CV(%)	16.6	7.4	7.6	17.1	12.0	10.7	12.6

‡Data not included in mean.

**TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
Ellis	49.6	52.2	34.6	45.5
AG 4632RR2Y	67.9	40.9	27.1	45.3
AG 4907	62.9	41.8	32.9	45.9
AG 4933RR2	66.1	44.9	29.0	46.6
AG 3934RR2	46.0	32.1	20.4	32.8
DS25-1	54.0	40.3	24.9	39.7
R09-1589	69.8	50.4	28.7	49.7
R09-4571	62.2	44.1	27.5	44.6
R09-5137	55.7	46.4	28.9	43.7
R10-28	65.0	49.8	27.5	47.4
R11-89RY	60.0	46.9	32.4	46.4
S10-11200	57.4	44.2	38.2	46.6
S11-17025	66.8	53.3	41.9	54.0
S11-20345	63.7	51.6	43.3	52.9
S11-20356	64.3	48.1	41.9	51.4
S11-9618	64.5	45.3	25.7	45.2
TN11-4510	65.4	51.5	29.3	48.7
Mean	61.3	46.1	31.4	46.3
LSD(0.05)	10.4	4.8	3.5	7.8
CV(%)	10.2	6.2	6.8	12.5

**TABLE 6 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Orange, VA</b>	<b>Portageville, MO(A)</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	22.0	21.1	22.2	20.2	24.3	21.1	21.8	22.2	21.2	22.5	21.9
AG 4632RR2Y	23.5	22.9	23.1	20.8	22.9	22.5	22.0	22.8	22.1	23.3	22.6
AG 4907	23.1	22.6	23.2	21.2	23.7	22.7	22.5	23.2	22.2	23.3	22.8
AG 4933RR2	22.1	21.5	22.3	20.9	23.5	21.7	21.5	22.2	21.3	23.0	22.0
AG 3934RR2	22.3	23.1	22.7	20.3	22.6	23.0	21.9	22.7	22.2	22.1	22.3
DS25-1	20.3	19.5	21.0	18.6	25.4	19.6	20.1	20.3	20.2	20.4	20.5
R09-1589	22.5	22.8	23.1	20.2	22.6	21.9	22.3	23.6	22.6	22.5	22.4
R09-4571	23.0	23.2	23.3	21.1	23.2	21.8	22.1	23.0	21.9	22.8	22.5
R09-5137	23.2	22.6	23.2	20.9	24.4	22.2	22.5	22.9	22.2	23.4	22.7
R10-28	23.1	22.8	23.3	21.2	24.1	22.1	22.5	23.5	22.8	23.1	22.8
R11-89RY	21.7	21.7	22.6	20.8	23.5	21.1	22.1	22.7	21.0	23.0	22.0
S10-11200	23.5	23.1	23.2	21.1	23.9	22.2	22.5	23.4	22.5	22.7	22.8
S11-17025	22.6	21.2	22.6	20.1	23.8	21.8	22.2	22.4	21.4	23.3	22.1
S11-20345	22.1	22.2	23.0	20.9	24.7	21.6	23.1	23.3	22.4	23.5	22.7
S11-20356	22.0	21.4	22.6	20.6	23.8	21.5	22.5	22.5	21.5	23.4	22.2
S11-9618	23.2	22.7	23.3	20.3	24.4	22.2	21.8	22.5	21.8	23.4	22.6
TN11-4510	22.3	21.8	23.0	21.2	25.4	21.2	22.7	22.8	21.8	23.2	22.5
Mean	22.5	22.1	22.8	20.6	23.9	21.8	22.1	22.7	21.8	22.9	.

**TABLE 7 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Orange, VA</b>	<b>Portageville, MO(A)</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	40.1	41.0	39.4	39.1	35.5	41.1	40.5	39.6	41.8	37.6	39.6
AG 4632RR2Y	38.1	41.1	40.2	40.1	37.2	40.6	40.8	39.4	41.6	37.6	39.7
AG 4907	41.3	40.4	40.1	40.1	39.2	41.9	40.8	40.2	43.1	38.7	40.6
AG 4933RR2	41.4	42.3	41.4	40.7	36.8	41.9	42.6	41.0	43.6	39.7	41.1
AG 3934RR2	42.2	42.3	42.6	42.7	39.9	40.8	44.0	40.7	42.4	41.9	42.0
DS25-1	43.1	41.7	40.9	40.1	33.7	41.9	41.6	41.3	43.5	39.7	40.8
R09-1589	39.7	38.7	38.3	39.0	38.4	39.5	38.8	38.0	40.5	37.8	38.9
R09-4571	42.3	42.9	40.2	39.9	36.0	42.2	41.9	41.3	42.9	39.0	40.9
R09-5137	41.6	40.0	39.0	39.1	34.0	40.7	40.4	39.3	41.2	36.5	39.2
R10-28	42.0	40.5	41.2	40.4	36.8	41.1	40.6	39.8	41.5	38.5	40.2
R11-89RY	43.6	42.9	42.8	41.9	35.4	43.6	42.5	42.2	45.7	39.8	42.0
S10-11200	41.1	39.4	40.1	38.7	35.8	40.6	41.0	38.2	40.9	37.9	39.4
S11-17025	41.4	41.7	41.1	41.9	35.8	41.2	42.1	40.0	42.4	37.7	40.5
S11-20345	41.8	41.5	40.5	38.6	35.2	42.0	39.8	39.9	42.8	37.4	40.0
S11-20356	41.1	42.9	40.4	39.7	34.7	41.3	40.3	41.7	43.5	37.8	40.3
S11-9618	42.2	43.8	41.7	40.6	36.3	43.1	43.1	41.1	44.0	39.2	41.5
TN11-4510	39.2	40.3	39.5	37.8	34.0	41.2	39.7	39.0	41.6	37.1	38.9
Mean	41.3	41.4	40.6	40.0	36.2	41.5	41.2	40.2	42.5	38.5	.

**TABLE 8 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

STRAIN/ VARIETY	Bossier City, Carbondale,		Jackson,	Keiser,	Knoxville,	McCune,	Orange,	Pittsburg,	Portageville, Springfield,	Starkville,	Stoneville,	Stuttgart,	Warsaw,	Test	
	LA	IL	TN	AR	TN	KS	VA	KS	MO(A)	TN	MS	MS	AR	VA	Mean
Ellis	18.2	13.1	12.7	14.2	11.5	13.6	11.1	13.2	10.9	13.6	.	15.3	15.3	10.8	13.3
AG 4632RR2Y	18.4	14.7	13.4	16.3	15.7	16.8	13.5	17.2	16.2	18.8	.	15.5	19.0	13.6	16.1
AG 4907	17.2	14.6	12.9	14.2	13.5	12.2	13.4	15.4	14.9	16.4	.	13.6	17.9	12.5	14.5
AG 4933RR2	17.6	13.9	13.6	15.7	14.4	17.2	15.3	15.1	14.5	17.5	.	14.4	17.7	13.9	15.4
AG 3934RR2	20.4	17.7	14.6	17.7	17.2	17.8	16.8	14.7	17.2	20.1	.	17.7	19.1	16.1	17.5
DS25-1	13.7	12.9	12.1	10.4	11.3	12.0	10.5	12.0	11.0	12.9	.	11.1	13.4	10.7	11.8
R09-1589	17.6	15.2	15.3	15.0	13.6	15.1	14.0	15.3	13.1	16.3	.	15.3	18.7	14.3	15.3
R09-4571	19.0	16.8	15.0	17.5	16.0	16.4	16.5	17.3	15.8	19.3	.	14.9	20.1	13.7	16.8
R09-5137	19.3	15.6	16.9	18.0	15.6	16.3	13.5	15.5	15.3	18.0	.	18.2	20.5	14.1	16.7
R10-28	17.6	14.6	15.8	16.1	14.7	16.7	13.4	13.6	12.9	16.6	.	17.1	19.0	14.3	15.6
R11-89RY	18.0	14.5	13.1	14.1	13.5	15.9	11.8	14.5	12.6	15.4	.	14.6	17.3	12.7	14.5
S10-11200	16.4	14.6	13.9	16.1	14.5	15.4	14.3	16.5	15.4	17.5	.	15.1	18.2	13.0	15.4
S11-17025	18.0	14.2	13.7	14.0	12.8	16.5	12.7	15.8	12.0	15.9	.	14.1	15.9	11.9	14.4
S11-20345	14.0	13.7	13.2	13.7	12.0	14.1	10.8	13.8	11.5	14.3	.	13.1	15.6	11.4	13.2
S11-20356	16.4	15.8	13.4	14.4	12.7	13.6	11.6	13.7	11.7	15.2	.	14.4	16.0	11.1	13.8
S11-9618	17.4	15.9	15.2	17.7	15.1	15.2	15.5	15.2	16.5	18.2	.	17.2	19.4	13.8	16.3
TN11-4510	18.1	14.0	12.6	14.9	13.6	14.4	11.5	14.0	12.9	15.5	.	14.2	17.5	12.9	14.3
Mean	17.5	14.8	14.0	15.3	14.0	15.2	13.3	14.9	13.8	16.6	.	15.0	17.7	13.0	.

**TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Portageville, MO(A)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
Ellis	10/3	9/20	10/2	9/28
AG 4632RR2Y	-6	-6	-6	-6
AG 4907	-8	-6	-9	-7
AG 4933RR2	-4	-6	-9	-6
AG 3934RR2	-18	-29	-11	-19
DS25-1	-3	-4	-9	-5
R09-1589	2	0	-1	0
R09-4571	-6	-5	-5	-6
R09-5137	-5	-3	-1	-3
R10-28	-1	-2	-2	-2
R11-89RY	1	-3	-2	-1
S10-11200	-10	-8	-9	-9
S11-17025	0	4	0	1
S11-20345	-4	-5	-10	-7
S11-20356	-4	-5	-8	-6
S11-9618	-10	-6	-10	-9
TN11-4510	-1	3	-1	1
Mean	-5	-5	-5	-5

**TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
Ellis	10/6	10/6
AG 4632RR2Y	-12	-12
AG 4907	-3	-3
AG 4933RR2	-7	-7
AG 3934RR2	-16	-16
DS25-1	1	1
R09-1589	1	1
R09-4571	-10	-10
R09-5137	-2	-2
R10-28	2	2
R11-89RY	2	2
S10-11200	-13	-13
S11-17025	2	2
S11-20345	-1	-1
S11-20356	-3	-3
S11-9618	-15	-15
TN11-4510	1	1
Mean	-4	-4

**TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Springfield, TN</b>	<b>Area Mean</b>
Ellis	10/4	9/28	10/2	10/1
AG 4632RR2Y	-5	-4	-1	-3
AG 4907	-6	-3	-2	-4
AG 4933RR2	-6	-1	-3	-3
AG 3934RR2	-19	-9	-3	-11
DS25-1	2	-1	-2	-1
R09-1589	8	2	-1	3
R09-4571	-6	-3	-2	-4
R09-5137	12	0	-2	3
R10-28	6	2	-1	2
R11-89RY	5	2	-1	2
S10-11200	-8	-4	-2	-5
S11-17025	8	2	0	3
S11-20345	0	-1	-4	-2
S11-20356	12	-1	-4	2
S11-9618	-5	-4	-2	-4
TN11-4510	2	1	-2	0
Mean	0	-1	-2	-1



**TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
Ellis	9/21	10/28	10/26	10/15
AG 4632RR2Y	-7	-1	-9	-6
AG 4907	-7	-1	-7	-5
AG 4933RR2	-7	-2	-12	-7
AG 3934RR2	-9	-13	-21	-14
DS25-1	-7	-7	-8	-7
R09-1589	-3	0	-4	-2
R09-4571	-8	-1	-8	-5
R09-5137	-4	-1	-5	-3
R10-28	-2	0	-2	-1
R11-89RY	-5	1	0	-1
S10-11200	-9	-3	-6	-6
S11-17025	1	2	3	2
S11-20345	-9	0	0	-3
S11-20356	-4	0	-4	-3
S11-9618	-6	-2	-10	-6
TN11-4510	-3	0	-1	-1
Mean	-5	-2	-5	-4

**TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
Ellis	22	29	25	18	23
AG 4632RR2Y	33	40	27	30	32
AG 4907	36	37	39	33	36
AG 4933RR2	36	38	32	29	34
AG 3934RR2	26	31	31	24	28
DS25-1	37	34	33	37	35
R09-1589	23	34	30	23	28
R09-4571	33	38	35	33	35
R09-5137	22	31	23	20	24
R10-28	25	34	24	25	27
R11-89RY	27	34	27	24	28
S10-11200	32	38	32	29	33
S11-17025	25	34	29	22	28
S11-20345	25	33	33	22	28
S11-20356	25	33	29	25	28
S11-9618	35	41	32	29	34
TN11-4510	22	31	31	21	26
Mean	29	35	30	26	.

**TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
Ellis	32	32
AG 4632RR2Y	30	30
AG 4907	34	34
AG 4933RR2	31	31
AG 3934RR2	24	24
DS25-1	40	40
R09-1589	31	31
R09-4571	29	29
R09-5137	30	30
R10-28	30	30
R11-89RY	30	30
S10-11200	26	26
S11-17025	32	32
S11-20345	33	33
S11-20356	33	33
S11-9618	26	26
TN11-4510	30	30
Mean	31	.

**TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
Ellis	44	24	22	34	23	27	29
AG 4632RR2Y	42	35	31	26	30	31	32
AG 4907	36	41	32	33	35	37	35
AG 4933RR2	39	38	31	31	31	36	34
AG 3934RR2	20	32	24	25	24	26	25
DS25-1	23	45	35	37	36	34	35
R09-1589	32	30	25	36	25	28	29
R09-4571	31	41	27	30	26	41	32
R09-5137	40	25	25	36	22	29	29
R10-28	42	30	25	37	26	29	31
R11-89RY	38	28	26	36	27	27	30
S10-11200	32	36	30	25	31	31	31
S11-17025	43	22	25	36	28	26	30
S11-20345	41	29	32	35	24	31	32
S11-20356	28	28	30	36	27	29	30
S11-9618	27	39	27	26	28	33	30
TN11-4510	41	22	26	33	20	27	28
Mean	35	32	28	32	27	31	.

**TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
Ellis	17	27	30	25
AG 4632RR2Y	37	29	28	31
AG 4907	37	30	29	32
AG 4933RR2	37	28	27	31
AG 3934RR2	27	21	24	24
DS25-1	41	31	32	35
R09-1589	25	31	31	29
R09-4571	34	26	27	29
R09-5137	21	29	30	27
R10-28	27	31	31	30
R11-89RY	23	26	27	25
S10-11200	36	28	30	32
S11-17025	24	30	32	29
S11-20345	28	33	33	31
S11-20356	29	31	35	32
S11-9618	32	28	27	29
TN11-4510	23	27	26	25
Mean	29	29	30	.

**TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
Ellis	1.3	1.3	2.0	1.0	1.4
AG 4632RR2Y	3.3	2.3	2.7	1.0	2.3
AG 4907	2.7	3.0	2.0	2.0	2.4
AG 4933RR2	2.0	2.0	2.0	1.0	1.8
AG 3934RR2	4.7	3.0	2.0	2.0	2.9
DS25-1	4.7	2.7	2.3	4.0	3.4
R09-1589	1.3	1.3	2.3	1.0	1.5
R09-4571	3.3	2.0	3.3	1.3	2.5
R09-5137	1.3	2.7	2.0	1.0	1.8
R10-28	2.0	2.0	2.0	1.0	1.8
R11-89RY	1.7	1.7	2.0	1.0	1.6
S10-11200	2.7	1.3	2.3	1.0	1.8
S11-17025	2.3	3.7	2.0	1.0	2.3
S11-20345	2.0	3.0	2.7	1.0	2.2
S11-20356	1.7	2.7	3.0	1.0	2.1
S11-9618	3.7	3.0	2.7	1.7	2.8
TN11-4510	1.0	1.3	4.3	1.0	1.9
Mean	2.5	2.3	2.5	1.4	.

**TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
Ellis	1.5	1.5
AG 4632RR2Y	1.1	1.1
AG 4907	1.3	1.3
AG 4933RR2	1.2	1.2
AG 3934RR2	1.1	1.1
DS25-1	1.8	1.8
R09-1589	1.7	1.7
R09-4571	1.5	1.5
R09-5137	1.4	1.4
R10-28	1.5	1.5
R11-89RY	1.3	1.3
S10-11200	1.1	1.1
S11-17025	1.7	1.7
S11-20345	1.5	1.5
S11-20356	1.6	1.6
S11-9618	1.2	1.2
TN11-4510	1.5	1.5
Mean	1.4	.

**TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
Ellis	4.0	1.7	1.3	1.0	1.0	1.0	1.6
AG 4632RR2Y	4.0	4.0	2.0	1.0	1.0	1.0	2.2
AG 4907	3.0	4.0	2.0	1.0	1.0	1.0	2.1
AG 4933RR2	3.5	4.0	1.7	1.0	1.0	1.0	2.1
AG 3934RR2	1.0	4.0	1.3	1.0	1.0	1.0	1.7
DS25-1	1.5	4.0	3.0	1.0	3.0	2.0	2.5
R09-1589	2.5	3.0	2.0	1.0	1.0	1.0	1.8
R09-4571	3.0	3.7	2.0	1.0	1.0	2.0	2.1
R09-5137	4.0	4.0	2.0	1.0	1.3	1.0	2.3
R10-28	4.5	3.7	2.0	1.0	1.0	1.0	2.2
R11-89RY	3.5	3.3	1.7	1.0	1.2	1.0	2.0
S10-11200	2.5	3.7	2.0	1.0	1.0	1.0	1.9
S11-17025	4.0	4.0	2.0	1.0	2.7	1.0	2.5
S11-20345	4.0	3.3	2.7	1.0	1.2	1.0	2.2
S11-20356	2.0	3.0	2.3	1.0	1.2	1.0	1.8
S11-9618	2.0	4.0	2.0	1.0	1.0	1.0	1.9
TN11-4510	3.5	1.3	2.0	1.0	1.0	1.0	1.6
Mean	3.1	3.5	2.0	1.0	1.3	1.1	.



**TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
Ellis	1.0	1.0	1.3	1.1
AG 4632RR2Y	1.0	1.0	1.0	1.0
AG 4907	1.3	1.0	1.0	1.1
AG 4933RR2	1.0	1.0	1.0	1.0
AG 3934RR2	1.0	1.0	1.0	1.0
DS25-1	3.3	1.3	2.0	2.2
R09-1589	1.0	1.0	1.0	1.0
R09-4571	1.3	1.0	1.0	1.1
R09-5137	1.0	1.3	1.7	1.3
R10-28	1.0	1.0	1.7	1.2
R11-89RY	1.0	1.0	1.0	1.0
S10-11200	1.3	1.0	1.0	1.1
S11-17025	1.0	1.3	3.0	1.8
S11-20345	1.0	1.0	1.7	1.2
S11-20356	1.0	1.0	2.0	1.3
S11-9618	1.0	1.0	1.0	1.0
TN11-4510	1.0	1.0	1.0	1.0
Mean	1.2	1.1	1.4	.

**TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
Ellis	1.5	1.3	2.0	1.5	1.6
AG 4632RR2Y	3.0	2.7	2.0	2.5	2.4
AG 4907	2.5	2.0	2.0	2.5	2.1
AG 4933RR2	2.5	2.7	2.0	2.5	2.4
AG 3934RR2	3.5	2.0	2.0	3.5	2.4
DS25-1	1.5	1.7	2.0	2.5	1.9
R09-1589	1.5	2.3	2.0	2.0	2.1
R09-4571	3.0	3.0	2.0	3.5	2.7
R09-5137	2.5	1.7	2.0	2.0	1.9
R10-28	2.0	1.3	2.0	1.5	1.7
R11-89RY	1.5	2.0	2.0	1.5	1.9
S10-11200	2.5	2.0	2.0	2.0	2.1
S11-17025	2.5	2.0	2.0	1.5	2.0
S11-20345	2.5	1.7	2.0	1.5	1.9
S11-20356	2.5	2.0	2.0	1.5	2.0
S11-9618	3.0	2.3	2.0	3.5	2.4
TN11-4510	2.5	2.0	2.0	1.5	2.0
Mean	2.4	2.0	2.0	2.2	.

**TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
Ellis	1.5	1.5
AG 4632RR2Y	2.2	2.2
AG 4907	1.9	1.9
AG 4933RR2	2.4	2.4
AG 3934RR2	3.1	3.1
DS25-1	1.5	1.5
R09-1589	1.6	1.6
R09-4571	2.2	2.2
R09-5137	1.5	1.5
R10-28	1.5	1.5
R11-89RY	2.1	2.1
S10-11200	2.5	2.5
S11-17025	1.7	1.7
S11-20345	1.6	1.6
S11-20356	1.4	1.4
S11-9618	2.3	2.3
TN11-4510	1.6	1.6
Mean	1.9	.

**TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
Ellis	1.0	2.3	1.0	1.0	2.0	.	1.5
AG 4632RR2Y	3.0	3.0	3.0	1.7	3.0	.	2.7
AG 4907	2.0	3.0	2.0	1.7	2.0	.	2.1
AG 4933RR2	2.0	3.0	2.0	1.7	2.3	.	2.2
AG 3934RR2	4.0	4.0	5.0	2.3	3.3	.	3.7
DS25-1	2.0	2.7	2.0	1.3	1.7	.	1.9
R09-1589	3.0	2.7	1.7	1.0	1.0	.	1.8
R09-4571	4.0	3.7	3.3	2.0	2.7	.	3.1
R09-5137	3.0	4.0	1.7	1.0	1.0	.	2.1
R10-28	2.0	3.0	1.3	1.0	1.0	.	1.6
R11-89RY	3.0	2.0	1.0	1.0	2.0	.	1.7
S10-11200	2.0	3.7	2.7	2.0	2.7	.	2.6
S11-17025	3.0	3.0	1.3	1.0	1.7	.	1.9
S11-20345	3.0	2.3	2.0	1.0	1.3	.	1.9
S11-20356	3.0	2.7	1.7	1.0	1.3	.	1.9
S11-9618	4.0	3.7	2.7	2.0	2.7	.	2.9
TN11-4510	3.0	2.3	1.0	1.0	2.0	.	1.8
Mean	2.8	3.0	2.1	1.4	2.0	.	.

**TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
Ellis	1.0	2.0	2.0	1.4
AG 4632RR2Y	1.0	3.0	4.0	2.0
AG 4907	1.0	3.0	3.0	1.8
AG 4933RR2	1.0	2.0	3.0	1.6
AG 3934RR2	1.0	3.0	3.0	1.8
DS25-1	1.0	3.0	2.0	1.6
R09-1589	1.0	3.0	2.0	1.6
R09-4571	1.0	3.0	3.0	1.8
R09-5137	1.0	2.0	2.0	1.4
R10-28	1.0	2.0	2.0	1.4
R11-89RY	1.0	3.0	2.0	1.6
S10-11200	1.0	3.0	4.0	2.0
S11-17025	1.0	3.0	2.0	1.6
S11-20345	1.0	3.0	3.0	1.8
S11-20356	1.0	2.0	2.0	1.4
S11-9618	1.0	3.0	3.0	1.8
TN11-4510	1.0	3.0	2.0	1.6
Mean	1.0	2.7	2.6	.

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**TABLE 13 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	AG 4232RR2Y	Commercial check		
2	AG 4632RR2Y	Commercial check		
3	AG 3803	Commercial check		
4	LD06-7620	IA3023 x LD00-3309		
5	AG 3934RR2	Commercial check		
6	DS03-14	LG99-5106xLG97-9226	F6	ESPS III
7	DS13-141	PI547878xGC00138-29	F5	Rust Res.
8	S12-3663	S07-5117 x S09-320 F1	F5	Conv, Diversity, SCN
9	S12-3777	LD06-7596 x S07-5117	F5	Conv, Diversity, SCN
10	S12-3782	LD06-7596 x S07-5117	F5	Conv, Diversity, SCN
11	S12-3791	LD06-7596 x S07-5117	F5	Conv, Diversity, SCN
12	S12-3858	LD06-7596 x S07-5117	F5	Conv, Diversity, SCN
13	TN09-193	TN02-302 x U98-307917		
14	TN11-3519	TN02-226 x MON RR2Y		
15	TN11-4502	TN02-226 x MON RR2Y		
16	TN12-3002	TN06-218 x K03-2897		
17	TN12-4061	Rend x LG97-9301		

**TABLE 14 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST IV-S-EARLY FOR YEAR 2014**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE HG TYPE HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											2.5.7 Race 1	0 Race 3	2.5.7 Race 5					
AG 4232RR2Y	61.0	4	5	0	2.1	32	2.1	14.5	39.5	22.6	3	3	5	.	.	P	T	
AG 4632RR2Y	67.8	1	3	3	2.2	33	2.5	15.3	39.2	22.7	2	3	5	.	.	P	G	
AG 3803	52.1	13	11	-4	2.1	28	2.4	14.7	41.1	23.3	4	4	5	.	.	P	G	
LD06-7620	49.7	15	12	0	1.9	26	3.1	14.4	41.5	22.3	4	5	4	.	.	P	G	
AG 3934RR2	52.1	12	12	-4	2.2	29	2.7	16.3	41.5	22.5	4	4	4	.	.	P	G	
DS03-14	47.1	17	14	-2	3.0	34	2.7	14.1	39.5	23.9	5	5	5	.	.	P	T	BR
DS13-141	49.4	16	13	0	2.0	36	2.1	15.6	41.9	21.4	4	5	5	.	.	P	T	BR
S12-3663	62.4	2	5	5	2.1	31	2.5	16.8	40.4	22.5	5	5	5	.	.	S	G	
S12-3777	57.1	6	7	3	2.6	33	2.2	13.5	38.4	23.1	4	4	3	.	.	P	G	
S12-3782	60.4	5	6	6	2.2	35	2.2	17.2	40.9	22.7	3	4	2	.	.	W	G	
S12-3791	61.7	3	7	3	2.0	31	2.3	14.9	39.9	22.1	3	3	4	.	.	W	G	
S12-3858	54.5	9	9	1	2.6	34	2.6	16.8	40.7	22.9	4	3	5	.	.	W	LT	
TN09-193	55.8	8	8	-2	2.1	31	2.5	14.3	39.8	22.5	5	5	5	.	.	W	LT	
TN11-3519	51.9	14	11	0	2.0	32	2.7	16.1	40.5	22.8	1	1	3	.	.	P	T	
TN11-4502	55.8	7	9	0	2.3	32	2.6	15.3	41.0	21.6	4	5	4	.	.	P	LT	
TN12-3002	53.2	11	11	-2	2.6	31	2.8	16.2	40.5	23.5	4	5	5	.	.	W	T	
TN12-4061	53.3	10	11	-3	2.7	32	3.2	15.1	40.1	23.3	3	5	5	.	.	W	G	
Mean	55.6	.	.	0	2.3	32	2.6	15.4	40.4	22.7	.	.	.	.	.	.	.	.
LSD(0.05)	7.0	.	.	3	.	2	0.4	1.2	0.8	0.3	.	.	.	.	.	.	.	.
CV(%)	13.8	.	.	1131	.	11	21.7	8.6	2.1	1.6	.	.	.	.	.	.	.	.



**TABLE 15 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, ‡ IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, ‡ VA</b>	<b>Springfield, TN</b>	<b>Stoneville, ‡ MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	45.7	77.0	51.0	68.4	52.3	24.8	62.3	62.8	64.2	51.7	61.0
AG 4632RR2Y	55.9	79.8	55.3	80.9	61.0	22.4	77.6	69.8	69.8	49.9	67.8
AG 3803	42.8	79.4	46.3	50.0	41.1	20.4	58.4	43.0	44.3	45.2	52.1
LD06-7620	41.1	73.1	49.6	46.2	39.3	23.2	55.2	30.9	38.6	45.9	49.7
AG 3934RR2	39.0	76.9	48.0	53.4	42.1	21.6	54.9	50.2	43.7	45.0	52.1
DS03-14	40.2	49.1	39.1	39.5	47.7	27.5	52.8	51.7	51.5	50.3	47.1
DS13-141	24.2	61.3	39.2	47.6	56.2	29.4	55.2	57.5	46.0	40.7	49.4
S12-3663	37.8	66.6	50.1	79.2	61.0	28.7	62.7	77.9	66.2	50.9	62.4
S12-3777	50.1	67.1	33.0	61.8	58.1	24.8	61.8	64.0	60.9	57.3	57.1
S12-3782	56.1	64.7	52.4	71.9	53.9	23.1	57.8	50.1	65.3	56.6	60.4
S12-3791	45.0	70.8	46.3	78.7	56.9	21.0	61.5	68.1	71.5	46.5	61.7
S12-3858	39.4	74.6	31.0	60.1	53.8	21.2	49.7	63.0	55.1	57.5	54.5
TN09-193	55.7	74.1	47.7	58.9	41.7	18.8	55.9	53.2	52.1	60.0	55.8
TN11-3519	54.9	72.0	49.2	52.0	43.9	16.1	51.1	53.9	45.6	49.7	51.9
TN11-4502	41.4	67.5	45.8	57.2	53.7	17.8	61.6	52.4	52.3	52.4	55.8
TN12-3002	38.7	70.9	44.3	53.5	50.8	18.4	49.5	41.8	51.7	51.7	53.2
TN12-4061	43.1	68.7	46.1	54.6	49.7	26.9	52.8	52.8	52.3	49.2	53.3
Mean	44.2	70.2	45.5	59.6	50.8	22.7	57.7	55.5	54.8	50.6	55.6
LSD(0.05)	22.7	10.5	6.5	14.1	14.4	11.8	13.0	22.0	7.8	12.6	7.0
CV(%)	24.3	7.1	6.8	10.9	13.4	24.5	10.6	18.8	6.7	11.7	13.8

‡Data not included in mean: 2014 – Carbondale, IL; Orange, VA; Stoneville, MS

**TABLE 16 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	.	21.9	22.5	22.8	22.8	24.3	22.3	22.9	21.3	22.8	22.6
AG 4632RR2Y	.	22.0	23.5	22.5	23.2	22.9	22.3	22.6	21.6	23.3	22.7
AG 3803	.	22.0	23.7	23.9	23.7	23.7	23.2	23.7	22.4	23.1	23.3
LD06-7620	.	21.7	22.6	21.8	22.6	23.5	21.9	23.0	20.9	22.8	22.3
AG 3934RR2	.	21.3	22.6	22.8	22.8	22.6	23.1	23.3	21.8	22.4	22.5
DS03-14	.	22.7	24.3	24.3	24.2	25.4	23.5	24.0	23.0	23.7	23.9
DS13-141	.	20.9	21.5	21.1	21.9	22.6	21.0	21.8	20.7	21.5	21.4
S12-3663	.	22.0	23.2	22.1	23.0	23.2	22.1	23.1	21.3	22.4	22.5
S12-3777	.	22.3	22.9	22.9	23.8	24.4	23.1	23.2	22.3	23.0	23.1
S12-3782	.	21.9	22.5	22.9	23.1	24.1	22.5	23.0	21.6	22.8	22.7
S12-3791	.	21.2	22.0	22.4	22.9	23.5	21.7	22.1	20.9	22.0	22.1
S12-3858	.	22.1	23.4	23.0	23.2	23.9	22.6	22.9	21.7	23.2	22.9
TN09-193	.	21.6	22.4	22.8	23.0	23.8	22.4	22.6	21.6	22.0	22.5
TN11-3519	.	21.8	22.9	22.7	22.9	24.7	22.5	22.8	21.8	22.8	22.8
TN11-4502	.	20.5	21.3	21.5	21.9	23.8	21.3	22.0	20.4	21.7	21.6
TN12-3002	.	22.5	23.8	23.9	23.7	24.4	23.3	23.4	22.7	23.6	23.5
TN12-4061	.	22.0	23.5	24.0	23.1	25.4	23.0	23.9	21.6	23.3	23.3
Mean	.	21.8	22.9	22.8	23.0	23.9	22.5	23.0	21.6	22.7	.

**TABLE 17 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	.	39.2	40.6	39.0	40.7	35.5	40.7	39.3	41.9	39.0	39.5
AG 4632RR2Y	.	38.0	39.0	40.2	39.4	37.2	40.1	39.6	41.8	37.3	39.2
AG 3803	.	40.4	41.1	40.6	41.9	39.2	42.1	40.4	43.3	41.1	41.1
LD06-7620	.	39.8	41.8	42.4	43.4	36.8	43.4	42.8	43.2	39.6	41.5
AG 3934RR2	.	40.9	41.7	41.1	42.1	39.9	42.2	40.1	43.7	41.7	41.5
DS03-14	.	38.8	40.6	39.2	41.3	33.7	41.4	38.9	43.0	38.2	39.5
DS13-141	.	41.1	42.2	42.7	42.2	38.4	43.2	41.2	44.7	41.5	41.9
S12-3663	.	39.3	42.0	42.3	40.8	36.0	42.6	39.6	42.7	38.7	40.4
S12-3777	.	38.0	39.1	40.3	38.1	34.0	38.5	38.2	42.3	37.1	38.4
S12-3782	.	40.1	41.9	41.1	42.0	36.8	42.0	40.3	44.4	39.6	40.9
S12-3791	.	38.9	40.5	40.5	40.4	35.4	41.3	39.9	42.9	39.3	39.9
S12-3858	.	40.2	41.5	40.7	41.2	35.8	41.9	40.5	44.5	40.3	40.7
TN09-193	.	37.7	41.2	41.8	39.7	35.8	41.3	39.3	42.3	38.9	39.8
TN11-3519	.	39.9	40.2	41.5	42.3	35.2	41.9	41.4	43.2	39.2	40.5
TN11-4502	.	40.5	41.8	42.4	42.3	34.7	42.0	40.5	45.1	40.0	41.0
TN12-3002	.	39.5	42.2	41.6	41.4	36.3	41.3	41.0	42.3	39.0	40.5
TN12-4061	.	39.4	42.4	39.8	41.2	34.0	41.7	39.0	44.1	39.2	40.1
Mean	.	39.5	41.2	41.0	41.2	36.2	41.6	40.1	43.3	39.4	.

**TABLE 18 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	13.5	15.4	13.3	12.6	15.4	16.1	15.7	15.8	14.4	13.0	14.5
AG 4632RR2Y	13.6	16.1	15.0	12.3	15.8	16.6	17.2	17.2	16.5	13.0	15.3
AG 3803	13.9	16.1	14.3	10.4	15.4	16.8	17.5	15.1	14.4	13.6	14.7
LD06-7620	13.0	14.6	13.9	12.1	16.2	14.2	16.7	15.6	14.9	13.3	14.4
AG 3934RR2	12.9	17.0	16.8	14.1	18.7	18.3	18.1	14.6	16.3	15.9	16.3
DS03-14	13.1	12.8	13.7	15.6	15.2	14.1	17.2	13.8	13.4	12.3	14.1
DS13-141	16.1	16.0	16.0	11.6	16.1	16.1	18.4	17.2	15.4	13.1	15.6
S12-3663	16.6	16.7	17.2	17.5	16.6	15.6	20.2	15.5	19.8	12.8	16.8
S12-3777	15.1	12.5	11.4	14.6	13.4	13.1	14.9	14.4	14.0	12.1	13.5
S12-3782	12.2	18.1	18.6	18.5	18.8	16.2	20.8	18.0	17.8	13.3	17.2
S12-3791	15.3	14.7	13.0	15.6	15.7	14.4	17.4	15.4	16.0	11.6	14.9
S12-3858	13.8	17.9	13.4	18.5	18.6	16.9	18.4	17.4	18.2	14.9	16.8
TN09-193	16.3	14.2	13.1	14.9	13.6	13.8	15.3	14.3	16.0	11.2	14.3
TN11-3519	12.6	15.5	16.7	17.5	18.2	15.1	17.1	17.6	17.8	13.5	16.1
TN11-4502	16.0	15.6	14.7	16.1	16.3	14.0	16.9	14.3	16.3	13.1	15.3
TN12-3002	15.5	15.8	15.6	15.7	17.3	16.0	17.6	17.2	17.4	13.9	16.2
TN12-4061	14.8	15.3	14.7	17.3	14.6	14.6	16.2	14.2	16.2	13.3	15.1
Mean	14.4	15.5	14.8	15.0	16.2	15.4	17.4	15.7	16.2	13.2	.

**TABLE 19 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, Columbia,</b>		<b>Jackson,</b>	<b>Keiser,</b>	<b>Knoxville,</b>	<b>Orange,</b>	<b>Springfield,</b>	<b>Stoneville,</b>	<b>Stuttgart,</b>	<b>Warsaw,</b>	<b>Test Mean</b>
	<b>IL</b>	<b>MO</b>	<b>TN</b>	<b>AR</b>	<b>TN</b>	<b>VA</b>	<b>TN</b>	<b>MS</b>	<b>AR</b>	<b>VA</b>	
AG 4232RR2Y	.	10/3	9/27	.	9/21	.	9/23	8/28	9/20	9/22	9/21
AG 4632RR2Y	.	1	0	.	3	.	5	8	3	3	3
AG 3803	.	-7	-9	.	-2	.	0	-7	1	-5	-4
LD06-7620	.	-4	0	.	-1	.	6	-6	11	-6	0
AG 3934RR2	.	-6	-7	.	-3	.	0	-6	1	-7	-4
DS03-14	.	-6	-2	.	-3	.	3	-3	2	-8	-2
DS13-141	.	-3	1	.	1	.	3	-2	1	-3	0
S12-3663	.	0	10	.	3	.	5	8	8	1	5
S12-3777	.	2	-4	.	2	.	3	8	3	7	3
S12-3782	.	1	11	.	3	.	4	8	7	6	6
S12-3791	.	0	2	.	3	.	5	8	4	0	3
S12-3858	.	0	-9	.	2	.	5	8	1	3	1
TN09-193	.	-7	-4	.	-1	.	4	-2	2	-3	-2
TN11-3519	.	-4	-2	.	0	.	3	0	3	0	0
TN11-4502	.	-1	0	.	0	.	2	-2	2	0	0
TN12-3002	.	-7	-7	.	-2	.	2	-2	2	-3	-2
TN12-4061	.	-6	-6	.	-1	.	0	-5	0	-3	-3
Mean	.	-3	-1	.	0	.	3	1	3	-1	.

**TABLE 20 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	40	41	43	32	29	27	31	23	27	30	32
AG 4632RR2Y	43	39	38	33	30	29	31	28	27	34	33
AG 3803	32	36	34	29	25	25	29	24	25	26	28
LD06-7620	35	33	30	25	23	23	24	23	22	24	26
AG 3934RR2	39	33	34	25	27	23	28	28	25	27	29
DS03-14	36	41	49	32	27	29	35	27	26	35	33
DS13-141	28	48	48	36	30	33	38	28	34	36	36
S12-3663	29	38	42	31	25	29	30	28	30	31	31
S12-3777	36	42	45	32	30	28	30	27	32	34	33
S12-3782	45	43	42	36	28	29	34	27	31	35	35
S12-3791	42	39	37	32	25	27	29	27	27	29	31
S12-3858	40	40	42	35	29	26	36	28	32	34	34
TN09-193	36	37	42	29	23	27	28	28	26	33	31
TN11-3519	38	40	38	30	29	27	28	28	25	35	31
TN11-4502	36	42	40	33	29	25	34	26	26	35	32
TN12-3002	33	35	37	31	27	27	27	30	29	32	31
TN12-4061	34	37	42	31	29	31	27	28	30	30	32
Mean	36	39	40	31	27	27	30	27	28	31	.

**TABLE 20 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	40	41	43	32	29	27	31	23	27	30	32
AG 4632RR2Y	43	39	38	33	30	29	31	28	27	34	33
AG 3803	32	36	34	29	25	25	29	24	25	26	28
LD06-7620	35	33	30	25	23	23	24	23	22	24	26
AG 3934RR2	39	33	34	25	27	23	28	28	25	27	29
DS03-14	36	41	49	32	27	29	35	27	26	35	33
DS13-141	28	48	48	36	30	33	38	28	34	36	36
S12-3663	29	38	42	31	25	29	30	28	30	31	31
S12-3777	36	42	45	32	30	28	30	27	32	34	33
S12-3782	45	43	42	36	28	29	34	27	31	35	35
S12-3791	42	39	37	32	25	27	29	27	27	29	31
S12-3858	40	40	42	35	29	26	36	28	32	34	34
TN09-193	36	37	42	29	23	27	28	28	26	33	31
TN11-3519	38	40	38	30	29	27	28	28	25	35	31
TN11-4502	36	42	40	33	29	25	34	26	26	35	32
TN12-3002	33	35	37	31	27	27	27	30	29	32	31
TN12-4061	34	37	42	31	29	31	27	28	30	30	32
Mean	36	39	40	31	27	27	30	27	28	31	.

**TABLE 22 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Columbia, MO</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
AG 4232RR2Y	2.0	2.0	2.0	2.0	2.5	1.5	2.0	2.0	3.0	1.9	2.1
AG 4632RR2Y	3.0	3.0	2.5	3.0	2.5	2.0	2.0	2.0	3.5	1.7	2.5
AG 3803	3.0	1.5	2.0	2.0	3.0	2.0	3.0	2.0	3.0	2.3	2.4
LD06-7620	3.0	2.5	3.5	4.5	4.0	2.5	4.0	2.0	3.5	2.0	3.1
AG 3934RR2	2.0	2.5	3.0	4.0	3.0	2.0	3.0	2.0	3.5	2.4	2.7
DS03-14	4.0	2.0	3.0	3.5	3.0	2.0	3.0	2.0	3.5	1.4	2.7
DS13-141	2.0	1.5	2.5	1.5	2.0	2.0	3.0	2.0	3.0	1.8	2.1
S12-3663	3.0	2.5	3.5	1.5	2.5	2.0	3.0	2.0	3.5	1.8	2.5
S12-3777	4.0	3.0	3.0	2.0	1.5	1.0	2.0	2.0	2.5	1.5	2.2
S12-3782	3.0	3.0	2.5	2.0	2.0	1.0	2.5	2.0	3.0	1.6	2.2
S12-3791	3.0	2.0	3.0	2.5	2.0	1.5	2.5	2.0	2.5	1.5	2.3
S12-3858	2.0	3.0	4.0	3.0	3.0	2.0	3.5	2.0	2.5	1.5	2.6
TN09-193	3.0	2.0	3.0	3.0	2.5	2.5	3.0	2.0	2.5	1.6	2.5
TN11-3519	3.0	2.5	3.0	2.5	3.0	2.5	3.0	2.0	2.5	2.4	2.7
TN11-4502	4.0	3.0	2.5	4.0	3.0	1.5	2.0	2.0	2.0	2.4	2.6
TN12-3002	3.0	2.5	4.0	3.0	3.0	2.0	3.0	2.0	2.5	2.7	2.8
TN12-4061	4.0	2.5	3.5	4.0	3.0	3.0	4.0	2.0	3.5	2.9	3.2
Mean	3.0	2.4	3.0	2.8	2.7	1.9	2.9	2.0	2.9	1.9	.



**TABLE 23 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	Ellis	Commercial check		
2	AG 4632RR2Y	Commercial check		
3	AG 4907	Commercial check		
4	AG 4933RR2	Commercial check		
5	DB06x038-70	DT98-9102 x PI594172	F6	Diversity
6	DS4290	A5979xDP3478	F5	CR Res.
7	DS46-3141	LG01-5087xDT97-4290	F5	CR Res.
8	R08-2797	DP4748S x K 1599	F4	
9	R09-5026	S00-9925-10 x UA 4805	F5	
10	R11-1578	R03-263 x UA 4805	F5	
11	R11-1617	R03-263 x UA 4805	F5	
12	R11-7141	Osage x R99-1613F	F5	
13	S11-20337	S05-11482 X S06-3095RR	F5	RR1
14	S12-3321	S07-5117 x S09-309 F1	F5	Conv, Diversity, SCN
15	S12-3690M	S07-5117 x S09-320 F1	F5	Conv, Diversity, SCN
16	S12-5912	S06-4649RR x S09-333 F1	F5	RR1, SCN
17	S12-10992	S07-5049 x RR2S10-3511	F5	RR2
18	TN12-4712R2	TN02-226 x MON RR2Y		
19	TN13-4508R2	TN02-226 x MON RR2Y		
20	TN13-4710R2	5002T x 09-46665		
21	TN13-5741R2	TN02-226 x MON RR2Y		
22	V09-0610	V98-2711 X DP 3519s	F4	
23	V11-2149	LG04-6000 x V03-7833	F4	
24	V11-2263	LG04-6000 x V03-7833	F4	

**TABLE 24 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST IV-S-LATE FOR YEAR 2014**

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
											2.5.7 Race 1	0 Race 3	2.5.7 Race 5					
Ellis	56.0	6	8	0	1.4	27	1.7	12.8	40.1	21.6	5	5	5	.	W	G		
AG 4632RR2Y	53.9	11	10	-5	2.0	32	2.9	16.3	40.0	22.3	4	4	4	.	P	G		
AG 4907	53.9	10	10	-3	2.0	34	2.4	14.4	40.2	22.5	4	5	5	.	P	G		
AG 4933RR2	56.7	3	8	-7	1.7	32	2.2	14.8	41.6	21.8	4	4	5	.	P	G		
DB06x038-70	52.8	14	11	-5	2.3	32	2.3	15.9	38.7	23.2	4	5	5	.	W	T	T	
DS4290	43.8	24	21	-7	2.4	32	2.7	16.7	42.0	21.7	4	4	5	.	P	T	T	
DS46-3141	47.4	20	18	-6	2.4	37	2.7	16.1	41.2	22.3	5	5	4	.	P	T	BR	
R08-2797	45.0	23	20	-5	1.7	34	2.7	15.0	40.7	22.3	4	4	5	.	P	T	T	
R09-5026	57.2	2	7	1	1.8	29	1.9	13.7	40.8	21.4	4	5	4	.	P	G	T	
R11-1578	54.1	9	11	1	1.7	29	1.8	13.2	40.5	22.5	3	5	5	.	W	G	T	
R11-1617	53.5	13	11	2	1.7	28	2.3	15.4	42.4	21.3	4	4	5	.	P	T	T	
R11-7141	54.3	8	10	1	1.6	29	2.1	13.1	41.7	21.1	3	2	4	.	P	T	T	
S11-20337	57.4	1	7	-2	2.4	32	2.1	13.0	41.0	22.1	1	1	1	.	P	T		
S12-3321	51.1	17	15	-5	2.5	32	2.6	14.3	40.2	22.1	3	5	5	.	W	T		
S12-3690M	48.5	18	17	-3	2.1	31	3.2	16.5	39.6	22.0	3	4	5	.	W	T		
S12-5912	56.2	4	7	0	2.6	36	2.2	13.4	39.8	22.0	3	4	2	.	P	T		
S12-10992	55.4	7	9	3	2.7	39	2.5	15.2	42.4	21.5	4	5	5	.	P	G		
TN12-4712R2	48.2	19	17	-2	1.4	26	2.2	15.2	40.0	22.4	3	5	5	.	P	LT		
TN13-4508R2	52.5	15	13	-3	1.8	31	2.5	13.1	39.4	22.0	1	2	2	.	P	G		
TN13-4710R2	53.7	12	11	-2	1.9	27	2.3	15.4	40.5	22.7	3	5	3	.	P	G		
TN13-5741R2	56.2	5	9	-2	1.6	25	2.4	15.4	40.5	21.4	4	5	5	.	P	LT		
V09-0610	52.0	16	12	-1	1.7	27	2.3	15.7	41.5	22.4	4	5	5	.	P	T		
V11-2149	45.7	21	19	-12	2.1	30	3.0	14.2	40.4	22.6	5	5	4	.	P	LT		
V11-2263	45.5	22	20	-9	1.9	29	3.1	15.8	42.1	23.0	4	5	5	.	W	T		
Mean	52.1	.	.	-3	2.0	31	2.4	14.8	40.7	22.1	.	.	.	.				
LSD(0.05)	5.3	.	.	4	.	3	0.5	0.9	0.7	0.4	.	.	.	.				
CV(%)	11.9	.	.	-133	.	14	23.9	6.8	1.8	1.7	.	.	.	.				

**TABLE 25 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, ‡ IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, ‡ MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	49.4	55.5	78.1	58.1	48.0	28.6	68.4	64.5	63.0	47.1	56.0
AG 4632RR2Y	49.4	55.5	74.2	69.7	51.3	21.7	51.1	47.9	69.4	38.3	53.9
AG 4907	55.9	51.5	78.0	66.0	44.2	27.5	51.4	67.0	65.7	46.0	53.9
AG 4933RR2	45.7	54.1	83.1	71.3	45.5	26.3	60.1	64.4	67.8	45.7	56.7
DB06x038-70	44.3	35.5	67.7	63.4	49.7	27.7	65.3	67.6	65.3	47.8	52.8
DS4290	44.3	42.2	52.3	51.7	40.1	21.4	43.7	44.5	62.1	36.5	43.8
DS46-3141	43.6	35.1	67.1	61.0	43.7	21.6	45.8	45.9	62.7	42.2	47.4
R08-2797	36.8	46.5	57.5	58.9	35.0	23.3	42.9	23.6	56.5	38.6	45.0
R09-5026	44.5	46.7	82.8	64.5	52.8	34.9	65.3	66.3	62.6	48.2	57.2
R11-1578	43.8	47.9	68.2	63.3	43.7	32.7	64.8	67.4	67.7	44.5	54.1
R11-1617	45.0	50.9	66.4	57.7	47.2	28.8	59.0	48.9	69.2	48.5	53.5
R11-7141	46.5	47.9	77.3	63.8	43.1	32.1	56.7	52.6	70.6	44.5	54.3
S11-20337	62.2	46.4	79.4	64.9	55.0	41.2	60.4	52.2	65.3	46.9	57.4
S12-3321	45.7	39.6	65.0	63.2	46.4	20.7	54.1	64.2	77.2	42.3	51.1
S12-3690M	41.6	50.4	73.3	59.7	39.5	24.3	49.3	59.4	52.6	39.3	48.5
S12-5912	50.6	48.0	72.0	66.0	48.3	39.7	58.6	65.7	68.5	48.5	56.2
S12-10992	48.6	44.7	76.5	60.7	51.7	30.0	63.2	63.9	72.0	44.3	55.4
TN12-4712R2	33.4	47.2	66.9	51.2	48.5	31.9	40.1	49.4	60.8	39.0	48.2
TN13-4508R2	44.5	49.8	74.3	56.0	47.4	37.5	48.7	53.3	67.8	38.6	52.5
TN13-4710R2	55.7	53.5	69.4	58.2	46.3	33.6	61.1	54.6	60.5	46.8	53.7
TN13-5741R2	53.7	41.2	73.1	68.2	57.0	29.9	76.3	41.2	54.4	49.3	56.2
V09-0610	48.2	50.6	70.3	59.5	49.6	30.1	52.4	60.9	61.1	42.5	52.0
V11-2149	49.1	50.8	58.5	50.1	41.3	19.1	58.4	72.3	56.7	31.0	45.7
V11-2263	45.3	45.5	57.1	51.6	39.1	20.8	59.4	60.0	48.7	40.3	45.5
Mean	47.0	47.4	70.3	60.8	46.4	28.5	56.5	56.5	63.7	43.2	52.1
LSD(0.05)	25.8	5.6	15.9	12.4	5.9	3.3	12.7	20.6	7.2	5.8	5.3
CV(%)	26.6	5.7	10.5	9.9	5.9	5.5	10.9	17.6	5.4	6.5	11.9

‡Data not included in mean: 2014 – Carbondale, IL; Stoneville, MS.

**TABLE 26 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN  
PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	.	21.5	21.2	22.4	20.9	.	21.1	21.8	20.8	22.7	21.6
AG 4632RR2Y	.	23.0	22.6	23.2	20.3	.	22.0	22.8	21.8	23.0	22.3
AG 4907	.	22.3	22.7	22.9	21.0	.	22.1	23.4	22.3	23.3	22.5
AG 4933RR2	.	21.8	21.6	22.1	20.9	.	21.5	22.0	21.4	22.7	21.8
DB06x038-70	.	23.8	23.2	23.9	21.4	.	22.8	23.9	23.4	23.3	23.2
DS4290	.	22.2	21.5	22.6	20.0	.	21.5	22.7	20.8	22.3	21.7
DS46-3141	.	22.8	21.8	23.0	20.3	.	22.5	23.1	21.8	22.8	22.3
R08-2797	.	22.5	22.4	22.9	20.9	.	21.7	23.3	22.1	22.9	22.3
R09-5026	.	21.2	21.2	21.9	20.0	.	21.4	22.4	20.7	22.3	21.4
R11-1578	.	21.9	22.6	23.2	21.0	.	22.6	23.2	21.9	23.4	22.5
R11-1617	.	21.2	20.9	22.2	20.1	.	20.8	22.0	20.6	22.5	21.3
R11-7141	.	21.0	20.6	22.1	20.5	.	20.8	22.0	20.3	21.8	21.1
S11-20337	.	22.3	21.6	22.9	21.2	.	21.7	22.7	20.9	23.4	22.1
S12-3321	.	22.4	22.0	22.6	20.8	.	22.2	22.5	21.5	22.9	22.1
S12-3690M	.	22.1	22.4	22.2	20.7	.	22.3	22.2	21.3	22.7	22.0
S12-5912	.	21.9	21.7	22.6	21.3	.	21.5	22.9	22.1	22.1	22.0
S12-10992	.	21.7	20.7	22.2	20.2	.	21.0	23.3	20.6	22.2	21.5
TN12-4712R2	.	22.4	21.6	22.9	21.6	.	22.2	23.1	21.9	23.7	22.4
TN13-4508R2	.	21.9	20.9	23.0	21.0	.	21.6	22.8	21.6	23.2	22.0
TN13-4710R2	.	22.7	22.5	23.7	20.9	.	22.6	22.8	22.8	23.5	22.7
TN13-5741R2	.	21.5	20.5	22.3	20.4	.	21.3	21.6	21.1	22.4	21.4
V09-0610	.	22.3	22.5	23.2	20.6	.	22.6	23.0	22.0	23.3	22.4
V11-2149	.	22.8	22.8	23.3	21.4	.	22.3	23.8	22.5	22.0	22.6
V11-2263	.	23.0	23.3	23.4	21.4	.	23.3	23.9	22.2	23.5	23.0
Mean	.	22.2	21.9	22.8	20.8	.	21.9	22.8	21.6	22.8	.

**TABLE 27 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	.	41.0	40.7	39.4	39.8	.	40.3	40.4	41.0	37.9	40.1
AG 4632RR2Y	.	38.9	41.3	39.7	40.3	.	40.6	39.6	41.1	38.1	40.0
AG 4907	.	39.9	40.4	40.3	40.3	.	40.7	39.5	42.0	38.8	40.2
AG 4933RR2	.	42.0	42.3	41.1	40.4	.	41.8	41.2	43.5	40.2	41.6
DB06x038-70	.	38.2	38.8	38.6	38.2	.	39.0	38.7	40.2	37.6	38.7
DS4290	.	42.0	42.2	40.9	41.6	.	42.9	40.9	45.2	39.9	42.0
DS46-3141	.	41.2	43.6	40.3	40.4	.	41.1	40.3	44.1	38.5	41.2
R08-2797	.	39.8	41.1	40.7	39.6	.	41.8	40.0	43.7	39.2	40.7
R09-5026	.	41.8	41.4	41.4	40.6	.	40.3	40.2	42.9	37.9	40.8
R11-1578	.	42.3	41.1	40.4	40.9	.	39.1	39.7	42.7	38.0	40.5
R11-1617	.	43.9	43.7	43.0	41.8	.	41.7	41.4	44.2	39.1	42.4
R11-7141	.	42.4	41.9	41.7	41.3	.	41.7	41.1	44.7	39.1	41.7
S11-20337	.	40.7	43.0	40.8	39.2	.	40.9	40.8	44.2	38.2	41.0
S12-3321	.	40.3	42.1	40.3	39.9	.	39.0	39.1	42.6	38.1	40.2
S12-3690M	.	40.1	39.0	40.3	39.8	.	38.7	40.1	42.2	36.9	39.6
S12-5912	.	40.3	40.6	40.5	37.6	.	39.8	38.9	41.3	39.1	39.8
S12-10992	.	42.8	44.4	42.0	40.4	.	42.5	41.2	46.1	39.4	42.4
TN12-4712R2	.	39.9	41.6	40.1	39.0	.	39.6	40.2	42.4	37.5	40.0
TN13-4508R2	.	39.4	41.6	39.3	37.5	.	40.1	39.5	41.2	36.5	39.4
TN13-4710R2	.	41.1	41.5	40.4	40.2	.	40.8	40.5	41.8	38.0	40.5
TN13-5741R2	.	40.3	41.8	40.1	40.3	.	40.9	40.6	42.3	37.9	40.5
V09-0610	.	43.1	41.6	41.0	41.9	.	40.7	40.4	44.1	39.2	41.5
V11-2149	.	39.9	41.6	40.5	39.3	.	40.9	38.6	42.5	40.0	40.4
V11-2263	.	42.0	43.1	42.9	41.6	.	42.4	40.4	44.2	40.5	42.1
Mean	.	41.0	41.7	40.7	40.1	.	40.7	40.1	42.9	38.6	.

**TABLE 28 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	13.8	12.0	12.9	11.6	14.0	12.4	13.0	14.6	13.2	10.9	12.8
AG 4632RR2Y	14.2	14.6	17.8	15.7	18.2	17.2	19.1	15.7	18.3	12.5	16.3
AG 4907	13.7	12.8	14.5	13.9	16.7	15.2	14.3	13.8	17.2	12.3	14.4
AG 4933RR2	14.1	14.8	15.8	15.6	12.0	14.3	15.2	14.8	18.2	13.6	14.8
DB06x038-70	15.9	12.9	15.8	15.2	16.6	16.4	15.0	16.8	20.6	13.6	15.9
DS4290	16.6	16.1	18.0	16.7	15.1	15.8	17.7	16.4	21.1	14.0	16.7
DS46-3141	14.9	15.1	16.6	16.0	14.8	16.8	17.4	16.8	19.9	13.3	16.1
R08-2797	14.3	13.4	14.7	14.4	16.0	15.2	15.9	15.6	18.0	12.2	15.0
R09-5026	12.9	11.9	14.3	12.7	16.1	15.3	12.9	13.6	16.5	11.1	13.7
R11-1578	13.2	12.5	13.8	12.7	16.2	12.6	11.3	13.0	15.9	10.8	13.2
R11-1617	14.5	14.5	15.5	14.4	17.5	16.1	14.3	14.7	19.2	13.0	15.4
R11-7141	12.7	12.2	13.1	12.9	14.6	13.2	11.3	13.4	16.5	11.6	13.1
S11-20337	13.8	11.8	13.6	12.7	12.7	13.3	11.7	13.6	15.6	11.5	13.0
S12-3321	13.2	11.7	15.4	13.4	16.4	15.9	14.7	13.3	16.9	12.3	14.3
S12-3690M	16.5	16.0	16.5	15.4	18.8	17.0	16.3	16.9	18.4	13.8	16.5
S12-5912	13.3	12.1	12.8	15.6	13.4	14.7	11.5	12.9	15.5	12.5	13.4
S12-10992	16.3	14.9	14.9	14.2	15.9	17.1	14.1	15.2	16.5	13.3	15.2
TN12-4712R2	14.8	13.2	16.8	13.6	16.7	15.9	13.7	16.3	19.1	11.7	15.2
TN13-4508R2	12.8	12.7	12.5	13.1	13.0	14.3	13.4	13.1	14.7	11.4	13.1
TN13-4710R2	15.5	13.0	17.0	15.0	17.0	15.9	14.7	15.3	18.3	12.7	15.4
TN13-5741R2	15.2	12.4	16.4	15.4	15.8	16.1	14.8	16.3	18.5	13.0	15.4
V09-0610	12.4	15.2	17.5	15.4	16.8	16.1	14.9	15.1	19.6	14.0	15.7
V11-2149	12.6	13.5	15.7	14.0	13.9	14.0	15.5	15.1	17.2	10.5	14.2
V11-2263	16.1	15.1	15.5	15.5	15.1	14.8	17.5	16.2	19.0	13.3	15.8
Mean	14.3	13.5	15.3	14.4	15.6	15.2	14.6	14.9	17.7	12.4	.

**TABLE 29 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	.	10/6	.	9/26	10/28	10/20	10/2	9/20	10/1	10/7	10/6
AG 4632RR2Y	.	-9	.	-2	-1	2	-3	-11	-5	-15	-5
AG 4907	.	-7	.	-2	-3	4	-4	-7	-5	-3	-3
AG 4933RR2	.	-6	.	1	-3	-12	-7	-9	-9	-10	-7
DB06x038-70	.	-9	.	1	-2	3	-7	-8	-11	-4	-5
DS4290	.	-8	.	-4	-4	-2	-9	-8	-9	-12	-7
DS46-3141	.	-3	.	-3	-5	-3	-7	-9	-9	-13	-6
R08-2797	.	-4	.	-2	-1	-1	-6	-16	-7	-8	-5
R09-5026	.	3	.	1	3	10	-2	-5	-1	0	1
R11-1578	.	13	.	2	2	-3	-1	-3	-2	1	1
R11-1617	.	5	.	4	4	10	2	-3	-5	3	2
R11-7141	.	8	.	2	1	5	-3	-3	-6	1	1
S11-20337	.	-5	.	1	-1	7	-4	-5	-7	-3	-2
S12-3321	.	-7	.	1	-4	-14	-5	-5	0	-8	-5
S12-3690M	.	-4	.	-1	-2	3	-7	-5	-2	-10	-3
S12-5912	.	1	.	2	0	8	-1	-4	-7	1	0
S12-10992	.	13	.	2	2	4	2	2	-2	1	3
TN12-4712R2	.	-7	.	2	0	3	-3	-5	-1	-4	-2
TN13-4508R2	.	-6	.	-1	-1	1	-5	-5	-4	-4	-3
TN13-4710R2	.	-6	.	2	4	7	-10	-5	-5	-1	-2
TN13-5741R2	.	-10	.	1	0	3	-3	-5	-1	-1	-2
V09-0610	.	5	.	1	0	1	-5	-5	-2	-1	-1
V11-2149	.	-10	.	-2	-9	-15	-13	-21	-9	-17	-12
V11-2263	.	-10	.	-4	-4	-4	-10	-21	-3	-13	-9
Mean	.	-3	.	0	-1	1	-5	-7	-5	-5	.

**TABLE 30 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	36	28	21	26	31	28	24	27	18	28	27
AG 4632RR2Y	40	39	33	34	31	29	28	33	28	29	32
AG 4907	38	44	35	37	30	28	27	34	33	31	34
AG 4933RR2	31	42	38	32	31	27	29	30	33	29	32
DB06x038-70	37	37	30	28	36	32	28	30	25	36	32
DS4290	38	45	30	32	32	29	28	31	32	28	32
DS46-3141	33	49	42	40	31	28	33	36	41	36	36
R08-2797	35	47	37	34	32	29	31	29	31	32	34
R09-5026	41	37	28	30	29	28	25	27	18	32	29
R11-1578	37	32	28	29	30	27	22	25	23	35	29
R11-1617	39	34	23	26	29	29	25	26	20	28	28
R11-7141	37	31	25	28	30	29	27	26	24	30	29
S11-20337	41	33	30	29	34	35	28	31	27	34	32
S12-3321	41	38	31	32	27	28	27	33	32	30	32
S12-3690M	33	37	27	34	33	31	25	31	27	30	31
S12-5912	33	41	32	34	41	37	32	40	28	39	36
S12-10992	36	47	41	37	34	29	42	45	43	36	39
TN12-4712R2	40	28	24	25	26	27	22	27	18	29	26
TN13-4508R2	33	40	36	30	30	29	30	28	30	27	31
TN13-4710R2	41	29	23	23	29	29	24	27	19	32	27
TN13-5741R2	39	29	24	23	27	26	20	21	17	28	25
V09-0610	31	31	25	24	33	30	22	22	19	33	27
V11-2149	38	37	30	28	28	25	30	32	29	28	30
V11-2263	31	36	32	28	25	26	30	28	26	28	29
Mean	36	37	30	30	31	29	28	30	26	31	.



**TABLE 31 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	3.0	1.0	1.0	1.5	1.0	1.0	1.0	2.0	1.0	1.4	1.4
AG 4632RR2Y	3.5	3.0	3.0	2.0	1.0	1.0	1.0	3.0	1.0	1.2	2.0
AG 4907	3.5	3.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	1.4	2.0
AG 4933RR2	3.0	2.5	2.0	1.5	1.0	1.0	1.0	2.0	1.5	1.2	1.7
DB06x038-70	4.0	3.0	3.5	2.5	1.5	1.5	1.0	2.0	2.5	1.9	2.3
DS4290	3.5	3.0	4.5	3.0	1.0	1.0	2.0	3.0	2.0	1.2	2.4
DS46-3141	3.0	3.5	3.0	3.5	1.0	1.0	1.5	2.5	3.0	1.5	2.4
R08-2797	3.0	2.0	2.5	2.0	1.0	1.0	1.0	2.0	1.0	1.2	1.7
R09-5026	4.0	3.0	2.0	1.5	1.0	1.5	1.0	2.0	1.0	1.4	1.8
R11-1578	3.5	2.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	1.6	1.7
R11-1617	4.0	3.0	1.5	1.5	1.0	1.0	1.0	2.0	1.0	1.4	1.7
R11-7141	3.5	2.0	1.5	1.5	1.0	1.0	1.0	2.0	1.0	1.5	1.6
S11-20337	4.0	3.5	2.0	3.0	1.0	3.0	1.0	2.0	2.0	2.4	2.4
S12-3321	3.5	5.0	4.5	2.5	1.0	1.0	1.5	2.5	2.0	1.5	2.5
S12-3690M	3.0	3.5	3.5	2.0	1.0	1.0	1.0	2.5	2.0	1.7	2.1
S12-5912	3.0	4.0	3.0	2.5	2.0	3.0	1.0	3.0	2.5	2.4	2.6
S12-10992	3.0	3.0	3.0	3.0	1.0	1.0	3.0	5.0	3.0	1.5	2.7
TN12-4712R2	4.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.5	1.4
TN13-4508R2	3.0	2.0	2.5	1.5	1.0	1.0	1.0	3.0	1.5	1.5	1.8
TN13-4710R2	4.0	1.5	2.0	1.5	1.0	2.5	1.0	2.5	1.0	1.7	1.9
TN13-5741R2	3.5	2.0	1.0	1.5	1.0	1.0	1.0	2.0	1.0	1.5	1.6
V09-0610	2.5	3.0	2.0	1.0	1.0	1.5	1.0	2.0	1.0	1.5	1.7
V11-2149	3.5	4.0	4.0	1.5	1.0	1.0	1.0	3.0	1.0	1.1	2.1
V11-2263	2.5	3.0	3.5	2.0	1.0	1.0	1.0	3.0	1.0	1.3	1.9
Mean	3.4	2.8	2.6	2.0	1.1	1.3	1.2	2.5	1.5	1.5	.

**TABLE 32 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Carbondale, IL</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
Ellis	1.0	2.0	1.5	1.0	2.0	2.0	2.5	2.0	1.0	1.5	1.7
AG 4632RR2Y	3.0	2.0	3.5	2.5	3.0	3.0	5.0	2.0	3.0	2.2	2.9
AG 4907	3.0	2.0	3.0	2.5	2.0	2.0	3.5	2.0	2.0	2.2	2.4
AG 4933RR2	2.0	2.0	2.0	2.0	3.0	2.0	3.0	2.0	2.0	2.3	2.2
DB06x038-70	3.0	2.0	2.0	2.0	3.0	4.0	2.0	2.0	1.5	1.8	2.3
DS4290	3.0	3.0	3.0	2.5	2.0	2.0	4.0	2.0	3.5	2.1	2.7
DS46-3141	4.0	2.5	3.0	2.5	2.0	2.0	3.5	2.0	3.0	2.1	2.7
R08-2797	4.0	3.0	3.0	2.5	3.0	2.0	3.5	2.0	1.5	1.9	2.7
R09-5026	2.0	2.0	2.5	1.5	3.0	1.0	2.5	2.0	1.0	1.7	1.9
R11-1578	2.0	2.0	2.0	1.5	2.0	2.0	2.5	2.0	1.0	1.3	1.8
R11-1617	3.0	2.5	2.0	2.0	2.0	2.0	2.5	2.0	3.5	1.3	2.3
R11-7141	3.0	2.0	2.0	1.0	3.0	2.0	2.5	2.0	1.5	1.6	2.1
S11-20337	3.0	2.0	2.0	1.5	2.0	2.0	2.5	2.0	2.5	1.9	2.1
S12-3321	3.0	2.5	3.0	1.5	3.0	3.0	3.0	2.0	3.0	2.6	2.6
S12-3690M	4.0	3.0	3.5	4.0	3.0	4.0	3.5	2.0	3.0	2.0	3.2
S12-5912	3.0	2.0	2.5	2.0	3.0	1.0	2.5	2.0	2.0	1.5	2.2
S12-10992	5.0	3.0	2.0	2.0	2.0	1.0	3.0	2.0	2.5	1.6	2.5
TN12-4712R2	4.0	2.0	2.5	2.0	2.0	1.0	3.0	2.0	2.0	1.3	2.2
TN13-4508R2	3.0	2.5	3.0	2.0	3.0	2.0	3.0	2.0	2.5	1.9	2.5
TN13-4710R2	2.0	2.5	2.5	2.0	3.0	3.0	3.0	2.0	1.5	1.6	2.3
TN13-5741R2	2.0	3.0	2.5	2.0	3.0	3.0	3.0	2.0	2.5	1.6	2.4
V09-0610	3.0	2.5	2.0	2.0	2.0	2.0	3.0	2.0	3.0	1.2	2.3
V11-2149	3.0	2.5	3.5	3.0	3.0	4.0	3.0	2.0	4.0	2.5	3.0
V11-2263	3.0	2.5	3.5	3.0	3.0	3.0	3.5	2.0	5.0	3.2	3.1
Mean	3.0	2.4	2.6	2.1	2.6	2.3	3.0	2.0	2.4	1.9	.

**TABLE 33 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	OSAGE	Hartz 5545 x KS4895		
2	Ellis	Commercial check		
3	JTN-5203	R93-171 x Anand	F15	SCN, FLS
4	AG 5332RR2Y	Commercial check		
5	95Y70	Commercial check		
6	AG 5534RR2	Commercial check		
7	JTN-5110	J98-32 X Anand	F12	SCN, FLS
8	K12-1348	R04-357/JTN-5503		
9	NCC09-200719-1-37	NCC04-619xNCC04-1555	F4	
10	R10-230	5002T x R04-357	F3	
11	R10-1191	R03-263 x UA 4805	F4	
12	R10-197RY	Ozark BC1F4	F5	
13	R11-245	5002T x R04-357	F5	
14	R11-262	5002T x R04-357	F5	
15	S11-20124	S05-11482 X S06-4649RR	F5	RR1
16	TN11-5088	HUTCHESON x TN89-39		
17	TN11-5102	HUTCHESON x TN89-39		
18	TN11-5104	HUTCHESON x TN89-39		
19	TN12-5716	TN02-226 x MON RR2Y		
20	TN56Cx-1273	5601T x TN09-239		low phytate; >50% protein meal
21	V08-0062	DT99-17400 x 99VPI-67	F4	
22	V08-1924	S00-9925-10 X S00-9985-03	F4	
23	V09-1268	R02-1372 x V98-2711	F4	
24	V09-1276	R02-1372 x V98-2711	F4	
25	V10-2499	V98-2711 x LG00-3372	F4	

**TABLE 34 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST V FOR YEAR 2014**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2014	13-14	12-14	2014	13-14	12-14	2014	13-14	12-14
OSAGE	11	12	56.9	56.9	59.2	42.5	43.0	42.9	21.1	21.2	21.2
Ellis	7	11	58.1	.	.	39.7	.	.	21.7	.	.
JTN-5203	18	14	55.9	57.1	58.0	40.4	40.9	40.8	22.1	22.1	22.1
AG 5332RR2Y	22	15	55.2	57.8	59.4	41.2	41.1	41.0	21.8	21.9	21.9
95Y70	21	15	55.3	56.3	.	39.9	40.0	.	22.5	22.6	.
AG 5534RR2	8	12	58.1	.	.	39.4	.	.	22.9	.	.
JTN-5110	20	16	55.7	56.9	57.8	41.2	41.4	41.1	22.0	22.1	22.1
K12-1348	15	13	56.0	.	.	39.0	.	.	22.2	.	.
NCC09-200719-1-37	4	8	59.4	60.8	.	39.3	39.5	.	21.9	21.9	.
R10-230	1	9	60.9	61.5	.	40.2	40.5	.	22.1	22.3	.
R10-1191	16	14	56.0	.	.	41.8	.	.	21.3	.	.
R10-197RY	13	14	56.2	.	.	40.1	.	.	21.9	.	.
R11-245	5	9	59.2	.	.	38.5	.	.	22.7	.	.
R11-262	3	9	60.1	.	.	39.9	.	.	21.9	.	.
S11-20124	2	9	60.5	.	.	38.4	.	.	23.2	.	.
TN11-5088	14	13	56.1	.	.	41.8	.	.	21.6	.	.
TN11-5102	9	12	57.5	.	.	41.7	.	.	21.7	.	.
TN11-5104	10	13	56.9	58.3	.	41.5	42.0	.	21.7	21.6	.
TN12-5716	6	10	58.9	.	.	39.9	.	.	21.5	.	.
TN56Cx-1273	25	18	52.3	.	.	42.5	.	.	21.0	.	.
V08-0062	24	17	53.8	.	.	39.8	.	.	23.1	.	.
V08-1924	12	15	56.3	57.0	.	39.3	39.7	.	23.0	22.9	.
V09-1268	23	16	54.5	.	.	40.8	.	.	22.7	.	.
V09-1276	19	15	55.9	.	.	41.5	.	.	21.7	.	.
V10-2499	17	14	55.9	.	.	39.4	.	.	21.8	.	.
Mean	.	.	56.9	.	.	40.4	.	.	22.0	.	.
LSD(0.05)	.	.	3.6	.	.	0.5	.	.	0.3	.	.
CV(%)	.	.	11.3	.	.	1.7	.	.	1.5	.	.

‡Data not included in mean: 2014 – Starkville, MS; Bossier City, LA  
2013 – Kinston, NC; Starkville, MS  
2012 – Petersburg, VA; Orange, VA; Springfield; TN

**TABLE 35 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>MAT. INDEX</b>	<b>LODGING</b>	<b>HEIGHT</b>	<b>SEED QUALITY</b>	<b>SEED SIZE</b>	<b>FL. COLOR</b>	<b>PUB. COLOR</b>	<b>POD COLOR</b>
OSAGE	0	1.2	28	1.6	12.8	P	G	
Ellis	-2	1.2	27	1.6	13.2	W	G	
JTN-5203	-2	1.3	28	1.8	13.8	W	G	
AG 5332RR2Y	-3	2.0	33	2.3	15.6	P	T	
95Y70	5	2.1	38	1.8	13.8	W	G	
AG 5534RR2	2	1.5	34	2.0	16.1	W	T	
JTN-5110	-1	1.7	31	2.2	15.8	P	T	
K12-1348	0	1.8	29	1.8	13.1	P	G	
NCC09-200719-1-37	-2	1.5	29	1.8	13.2	P	G	
R10-230	2	2.0	34	1.8	14.0	W	G	T
R10-1191	-2	1.7	30	1.6	13.4	W	G	T
R10-197RY	0	1.3	33	1.7	14.9	P	G	T
R11-245	1	1.8	32	1.7	13.5	W	G	T
R11-262	1	1.5	31	1.9	14.2	P	G	T
S11-20124	-1	3.1	38	1.7	14.2	W	T	
TN11-5088	-2	1.8	30	1.7	14.6	W	G	T
TN11-5102	0	1.5	31	1.7	14.6	W	G	T
TN11-5104	-1	1.5	31	1.7	14.6	W	G	T
TN12-5716	4	1.7	32	1.9	13.3	P	T	
TN56Cx-1273	-2	1.2	29	2.0	16.6	W	G	T
V08-0062	5	1.6	34	1.8	15.9	W	G	T
V08-1924	0	2.2	33	1.8	15.4	W	T	T
V09-1268	3	1.5	32	1.8	16.9	P	G	T
V09-1276	2	1.7	30	1.8	14.1	W	T	T
V10-2499	-4	1.8	30	1.7	13.9	W	G	
Mean	0	1.7	31	1.8	14.5			
LSD(0.05)	2	0.3	2	0.3	0.7			
CV(%)	2310	32.0	10	27.0	6.3			

**TABLE 36 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>SCN HG TYPE</b>			<b>PRK GA</b>	<b>SRK GA</b>	<b>SC RATING</b>	<b>SC SCORE</b>	<b>SDS DX</b>
	<b>2.5.7 Race 1</b>	<b>0 Race 3</b>	<b>2.5.7 Race 5</b>					
OSAGE	5	5	4	4.8	5.0	.		18
Ellis	5	5	5	4.3	1.0	.		15
JTN-5203	4	3	1	5.0	4.8	.		6
AG 5332RR2Y	5	4	5	4.8	5.0	.		2
95Y70	5	5	5	4.8	1.0	.		36
AG 5534RR2	5	2	5	5.0	4.8	.		23
JTN-5110	2	2	5	5.0	5.0	.		11
K12-1348	2	1	4	5.0	4.8	.		34
NCC09-200719-1-37	5	3	5	5.0	1.3	.		9
R10-230	5	5	4	5.0	5.0	.		23
R10-1191	5	4	4	5.0	5.0	.		17
R10-197RY	5	4	5	5.0	4.8	.		17
R11-245	5	5	5	4.8	5.0	.		12
R11-262	5	5	5	5.0	4.8	.		42
S11-20124	3	3	2	4.5	1.0	.		4
TN11-5088	5	4	5	5.0	1.0	.		7
TN11-5102	5	4	5	4.8	1.0	.		22
TN11-5104	5	5	5	5.0	1.8	.		14
TN12-5716	5	4	5	5.0	5.0	.		28
TN56Cx-1273	5	2	5	5.0	1.8	.		26
V08-0062	4	5	5	5.0	4.5	.		11
V08-1924	3	3	5	5.0	3.3	.		4
V09-1268	4	4	5	5.0	3.0	.		39
V09-1276	5	4	5	5.0	5.0	.		44
V10-2499	5	5	5	5.0	4.3	.		50

**TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
OSAGE	84.2	52.5	59.0	79.0	73.3	69.6
Ellis	74.0	65.0	60.1	76.2	62.9	67.6
JTN-5203	62.8	60.0	62.1	64.9	66.4	63.2
AG 5332RR2Y	75.9	42.5	52.1	76.9	71.6	63.8
95Y70	81.5	60.9	66.6	58.6	75.6	68.6
AG 5534RR2	79.6	49.1	61.4	76.5	76.1	68.5
JTN-5110	70.1	51.6	64.8	72.8	64.7	64.8
K12-1348	73.1	44.5	53.4	71.2	65.7	61.5
NCC09-200719-1-37	75.3	53.4	71.0	80.5	69.4	69.9
R10-230	90.0	58.3	73.3	83.6	72.1	75.4
R10-1191	64.6	53.0	63.8	72.8	72.3	65.3
R10-197RY	69.7	56.6	61.1	70.7	72.2	66.1
R11-245	83.6	56.9	70.4	79.9	70.2	72.2
R11-262	81.5	59.5	74.0	82.0	71.0	73.6
S11-20124	86.1	71.4	70.7	76.8	73.6	75.7
TN11-5088	76.1	58.0	61.7	77.1	64.5	67.5
TN11-5102	72.7	58.1	71.2	75.4	63.9	68.3
TN11-5104	71.7	57.7	66.0	77.0	65.5	67.6
TN12-5716	81.9	66.1	70.0	57.3	76.7	70.4
TN56Cx-1273	64.7	44.8	56.5	73.1	52.3	58.3
V08-0062	70.8	53.7	58.5	62.9	72.5	63.7
V08-1924	81.1	52.9	73.5	76.0	69.6	70.6
V09-1268	68.9	49.6	58.2	69.8	69.0	63.1
V09-1276	72.6	51.1	60.6	71.5	73.6	65.9
V10-2499	81.1	50.2	61.1	75.5	72.1	68.0
Mean	75.7	55.1	64.0	73.5	69.5	67.6
LSD(0.05)	8.0	8.2	7.3	10.3	4.8	7.0
CV(%)	6.4	9.1	7.0	8.5	4.2	10.1

**TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Plymouth, NC</b>	<b>Suffolk, VA</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
OSAGE	53.3	63.6	53.5	57.5
Ellis	51.2	64.5	57.4	58.4
JTN-5203	54.9	77.5	50.6	61.0
AG 5332RR2Y	51.7	76.6	51.5	59.9
95Y70	46.9	74.7	45.9	55.8
AG 5534RR2	47.9	83.4	51.3	60.9
JTN-5110	49.9	81.3	48.9	60.0
K12-1348	51.6	78.9	56.2	62.3
NCC09-200719-1-37	53.4	83.4	56.8	64.5
R10-230	47.9	88.5	52.2	62.9
R10-1191	45.8	84.0	53.2	61.0
R10-197RY	49.7	71.5	57.9	59.7
R11-245	49.9	80.6	51.1	60.4
R11-262	45.5	85.5	53.0	61.3
S11-20124	51.4	73.2	55.4	60.2
TN11-5088	50.4	64.7	58.7	59.9
TN11-5102	51.4	67.6	55.9	58.3
TN11-5104	46.7	66.0	61.7	58.1
TN12-5716	50.2	82.5	56.4	63.0
TN56Cx-1273	50.0	71.4	56.7	59.4
V08-0062	44.8	79.6	53.3	59.2
V08-1924	40.5	76.1	49.5	55.3
V09-1268	51.9	78.5	53.7	61.4
V09-1276	52.9	87.1	48.1	62.7
V10-2499	48.5	78.4	51.7	59.5
Mean	49.5	76.8	53.6	60.1
LSD(0.05)	7.5	15.3	6.0	8.8
CV(%)	9.3	11.0	6.9	11.8



**TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Belle Mina, AL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, ‡ MS</b>	<b>Area Mean</b>
OSAGE	57.4	43.8	66.0	26.7	54.1	52.0	49.6
Ellis	52.5	54.9	62.9	40.0	62.2	60.0	54.5
JTN-5203	52.4	43.9	68.3	30.2	49.1	46.0	48.8
AG 5332RR2Y	50.8	46.7	66.9	33.8	47.4	56.4	49.1
95Y70	53.4	42.6	63.5	29.2	46.4	45.5	47.0
AG 5534RR2	56.7	47.6	76.8	31.8	50.2	47.5	52.6
JTN-5110	50.7	45.4	65.7	34.6	48.2	62.5	48.9
K12-1348	61.2	45.9	63.4	35.2	50.2	45.4	51.2
NCC09-200719-1-37	58.8	47.6	72.2	34.5	51.5	41.4	52.9
R10-230	55.7	44.1	79.9	38.3	48.7	57.5	53.3
R10-1191	59.4	44.7	59.1	33.2	50.5	55.1	49.4
R10-197RY	53.5	45.1	72.0	30.4	53.5	55.7	50.9
R11-245	57.7	47.9	68.9	35.0	56.7	43.1	53.3
R11-262	59.5	47.0	64.7	38.2	59.0	51.4	53.7
S11-20124	52.0	46.9	69.5	34.2	48.9	49.1	50.3
TN11-5088	61.3	48.3	53.6	29.1	56.0	47.0	49.7
TN11-5102	66.4	49.9	64.0	33.5	51.6	55.3	53.1
TN11-5104	56.7	47.1	65.7	31.3	59.3	48.0	52.0
TN12-5716	54.6	39.6	66.2	28.5	53.8	37.2	48.5
TN56Cx-1273	53.8	42.5	61.0	36.6	47.3	48.6	48.2
V08-0062	53.0	41.6	66.2	23.9	42.9	47.1	45.5
V08-1924	52.0	38.3	70.1	30.0	43.5	51.9	46.8
V09-1268	49.1	44.6	56.8	33.1	50.1	29.8	46.7
V09-1276	51.0	42.1	66.3	28.3	53.7	49.2	48.3
V10-2499	53.7	42.5	54.7	34.9	48.5	45.1	46.9
Mean	55.3	45.2	65.8	32.6	51.3	49.1	50.1
LSD(0.05)	9.1	5.6	10.8	8.1	8.0	13.8	5.3
CV(%)	10.0	7.6	10.0	15.2	9.5	17.2	11.9

‡Data not included in mean.

**TABLE 37 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, ‡ LA,</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
OSAGE	63.2	51.7	32.9	42.3
Ellis	58.1	54.2	31.2	42.7
JTN-5203	49.4	50.6	44.6	47.6
AG 5332RR2Y	73.7	49.6	33.5	41.5
95Y70	67.8	50.7	32.2	41.4
AG 5534RR2	68.5	52.9	30.2	41.5
JTN-5110	55.5	48.4	39.1	43.8
K12-1348	61.2	50.8	39.4	45.2
NCC09-200719-1-37	73.2	52.0	30.8	41.4
R10-230	79.8	50.6	30.4	40.5
R10-1191	66.0	49.6	33.9	41.8
R10-197RY	69.3	49.4	29.8	39.6
R11-245	79.3	52.6	26.5	39.5
R11-262	74.9	54.1	26.4	40.3
S11-20124	72.4	52.1	44.4	48.2
TN11-5088	42.3	46.2	30.2	38.2
TN11-5102	55.6	50.1	30.3	40.2
TN11-5104	48.3	50.1	31.2	40.7
TN12-5716	69.2	55.2	44.3	49.7
TN56Cx-1273	25.9	46.5	26.5	36.5
V08-0062	65.3	48.8	34.3	41.5
V08-1924	71.6	53.1	38.5	45.8
V09-1268	48.9	51.2	33.7	42.5
V09-1276	49.2	51.0	28.3	39.7
V10-2499	62.1	54.0	32.0	43.0
Mean	62.0	51.0	33.4	42.2
LSD(0.05)	16.0	4.7	3.6	8.0
CV(%)	15.8	5.4	6.5	10.4

‡Data not included in mean.

**TABLE 38 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Orange, VA</b>	<b>Plymouth, NC</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	20.8	20.7	21.7	20.7	22.8	21.5	19.9	20.5	21.5	21.6	19.7	21.7	21.1
Ellis	21.5	21.1	22.4	20.5	22.9	22.0	21.1	21.2	22.3	22.3	21.1	22.4	21.7
JTN-5203	21.6	22.1	23.0	20.6	23.5	22.5	21.1	21.7	22.7	22.3	21.4	23.0	22.1
AG 5332RR2Y	21.4	21.8	22.5	20.9	22.7	21.9	21.5	21.6	22.0	22.7	20.8	21.9	21.8
95Y70	22.1	22.8	23.2	21.4	23.6	22.8	21.6	22.2	22.5	23.1	22.1	22.6	22.5
AG 5534RR2	22.9	22.5	24.0	21.7	23.5	24.4	21.8	22.0	23.0	23.6	22.6	22.4	22.9
JTN-5110	21.9	21.9	22.8	20.7	22.0	22.9	21.6	21.8	22.2	22.4	21.3	22.7	22.0
K12-1348	21.7	22.1	23.2	21.2	23.3	22.1	21.0	21.6	22.6	23.4	21.6	22.8	22.2
NCC09-200719-1-37	22.0	21.6	22.7	20.7	23.2	22.2	20.6	21.1	22.3	22.9	21.1	22.6	21.9
R10-230	21.8	21.8	22.7	20.7	22.9	22.8	21.6	21.9	22.2	23.1	21.6	22.1	22.1
R10-1191	21.1	20.8	22.1	19.8	22.9	21.4	20.4	21.0	21.7	21.8	20.2	22.1	21.3
R10-197RY	21.7	21.8	22.8	20.6	22.4	22.4	21.3	21.5	21.9	22.9	21.5	22.0	21.9
R11-245	22.7	22.1	23.5	20.5	22.9	23.8	22.3	22.3	22.5	23.9	22.5	22.8	22.6
R11-262	21.7	21.6	22.6	20.7	22.8	22.4	21.3	21.6	21.8	22.6	20.9	22.2	21.8
S11-20124	23.0	23.4	24.2	21.2	23.9	23.6	22.7	22.6	23.2	24.3	22.7	23.7	23.2
TN11-5088	21.7	21.2	22.3	20.7	23.0	21.7	20.6	21.3	21.8	22.4	20.4	22.5	21.6
TN11-5102	21.3	21.2	22.5	20.3	23.7	22.0	20.8	21.3	21.8	22.4	20.7	22.8	21.7
TN11-5104	21.9	21.4	22.3	20.3	23.1	21.8	20.8	21.5	21.8	22.4	20.7	22.6	21.7
TN12-5716	21.6	21.4	22.4	20.3	22.7	22.1	20.9	20.7	21.5	21.7	20.5	22.2	21.5
TN56Cx-1273	20.7	20.7	21.6	19.7	22.8	21.3	20.2	20.1	21.3	21.6	19.8	21.8	21.0
V08-0062	23.0	23.2	23.5	21.8	23.9	24.1	22.9	22.6	23.1	23.8	22.6	23.1	23.1
V08-1924	23.2	22.8	23.7	21.5	23.7	23.1	22.4	22.8	23.5	23.1	22.1	23.7	23.0
V09-1268	22.6	22.4	23.5	21.3	23.6	23.7	22.0	22.0	23.0	22.8	22.3	22.9	22.7
V09-1276	21.7	21.3	22.1	21.2	22.7	22.1	20.9	21.4	22.2	22.0	21.1	22.1	21.7
V10-2499	21.5	21.6	22.4	20.5	23.2	22.2	21.0	21.4	21.8	22.5	21.5	22.3	21.8
Mean	21.9	21.8	22.8	20.8	23.1	22.5	21.3	21.6	22.2	22.7	21.3	22.5	.

**TABLE 39 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Orange, VA</b>	<b>Plymouth, NC</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Springfield, TN</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	44.4	43.1	42.3	41.3	36.5	43.3	44.4	43.0	42.4	43.2	46.3	40.2	42.5
Ellis	40.7	40.9	39.3	39.3	36.4	40.3	41.0	39.8	39.6	39.4	41.0	38.1	39.6
JTN-5203	41.5	40.3	40.3	40.9	36.1	40.0	41.3	41.0	41.0	41.4	42.9	37.8	40.4
AG 5332RR2Y	41.9	42.2	41.1	38.9	38.0	41.4	42.6	42.1	41.9	40.2	43.6	40.0	41.2
95Y70	42.1	40.8	40.1	38.7	34.7	40.5	40.9	39.9	39.8	39.9	42.5	38.5	39.9
AG 5534RR2	40.2	40.4	39.5	39.2	34.8	36.4	40.8	40.6	39.7	39.7	42.8	38.3	39.4
JTN-5110	42.2	41.0	41.3	39.9	40.0	40.3	41.8	41.7	42.5	41.6	43.2	39.3	41.2
K12-1348	41.1	39.2	39.1	37.5	34.3	39.9	40.6	40.0	39.3	38.5	41.6	37.0	39.0
NCC09-200719-1-37	40.4	40.7	39.1	38.7	34.8	38.7	40.9	39.3	40.2	38.4	43.0	37.4	39.3
R10-230	41.9	41.1	41.3	38.7	36.3	40.3	41.4	40.3	40.4	39.2	42.3	38.8	40.2
R10-1191	43.6	43.5	42.3	41.2	36.3	43.5	43.1	41.3	41.4	42.0	44.3	39.5	41.8
R10-197RY	42.1	41.1	40.1	39.4	37.5	39.9	40.6	40.3	40.2	39.1	42.7	37.9	40.1
R11-245	39.9	39.8	38.4	39.1	36.1	36.8	39.0	38.9	39.2	37.4	39.9	37.0	38.5
R11-262	41.1	40.9	39.8	39.0	36.5	39.1	41.2	40.6	40.2	39.6	42.9	37.9	39.9
S11-20124	39.0	38.5	38.5	37.8	33.6	38.6	39.5	39.0	39.2	39.1	42.3	36.0	38.4
TN11-5088	42.5	42.9	42.1	40.9	37.4	42.9	43.1	41.9	42.1	41.8	44.0	39.7	41.8
TN11-5102	43.2	42.4	41.9	41.9	37.0	42.3	42.9	41.4	42.4	42.0	43.9	39.4	41.7
TN11-5104	42.4	42.3	41.9	40.7	37.4	42.4	43.1	41.0	42.0	41.6	43.8	39.4	41.5
TN12-5716	40.2	40.5	40.1	39.1	35.0	39.3	40.6	40.9	40.8	40.5	43.4	38.2	39.9
TN56Cx-1273	43.6	43.7	41.9	41.9	38.3	43.1	43.2	43.2	42.2	43.5	44.8	40.7	42.5
V08-0062	41.3	40.2	40.8	38.6	35.6	38.5	40.7	40.2	40.1	40.6	43.0	38.3	39.8
V08-1924	40.1	40.0	39.9	37.9	35.5	39.8	41.1	39.2	40.1	40.2	42.0	36.1	39.3
V09-1268	42.4	41.7	40.6	40.0	37.0	40.1	41.3	41.2	41.4	42.0	42.9	39.1	40.8
V09-1276	42.0	42.6	42.0	39.8	37.6	41.6	42.6	41.5	41.3	41.6	45.0	40.0	41.5
V10-2499	40.4	40.1	39.2	40.3	33.8	39.4	40.8	39.6	40.5	39.3	41.5	37.3	39.3
Mean	41.6	41.2	40.5	39.6	36.3	40.3	41.5	40.7	40.8	40.5	43.0	38.5	.

**TABLE 40 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

STRAIN/ VARIETY	Belle Mina, Bossier City,		Jackson,	Keiser,	Knoxville,	McCune,	Orange,	Pittsburg,	Plymouth,	Portageville, Portageville,	Springfield,	Starkville,	Stoneville,	Stuttgart,	Suffolk,	Warsaw,	Test	
	AL	LA	TN	AR	TN	KS	VA	KS	NC	MO(A)	MO(B)	TN	MS	MS	AR	VA	VA	Mean
OSAGE	.	16.7	11.2	12.7	11.9	14.0	12.0	13.1	14.1	10.8	10.6	13.5	.	13.0	14.1	13.9	11	12.8
Ellis	.	18.6	12.3	14.2	12.2	13.3	11.3	12.6	13.1	11.0	12.0	13.6	.	15.3	14.9	12.3	10.8	13.2
JTN-5203	.	18.9	11.6	13.0	12.8	16.6	11.8	14.2	13.6	11.1	12.2	15.1	.	16.0	16.4	13.3	10.7	13.8
AG 5332RR2Y	.	18.0	13.1	16.6	14.7	16.5	15.7	16.2	16.5	14.0	14.0	17.8	.	16.0	17.4	14.9	12.4	15.6
95Y70	.	15.5	13.2	14.6	13.6	14.1	15.0	14.1	14.2	12.8	12.5	13.3	.	11.6	16.0	13.9	12.2	13.8
AG 5534RR2	.	20.3	15.2	16.4	15.5	18.5	13.3	15.8	16.0	12.9	14.1	16.2	.	15.9	21.4	17.9	12.9	16.1
JTN-5110	.	20.1	15.1	15.9	16.2	15.8	13.5	15.0	16.4	14.1	14.0	16.0	.	15.4	18.7	17.1	13.5	15.8
K12-1348	.	16.2	12.3	13.0	12.7	14.2	12.4	14.1	12.6	11.2	11.0	14.0	.	12.8	14.5	14.0	12.2	13.1
NCC09-200719-1-37	.	16.1	11.4	14.1	12.0	15.5	11.6	14.0	12.3	10.3	11.5	14.6	.	13.5	16.1	13.5	11.4	13.2
R10-230	.	19.7	13.3	14.1	13.5	14.8	12.5	13.2	14.6	13.0	12.8	14.2	.	12.8	15.4	14.4	11.8	14.0
R10-1191	.	16.4	12.4	15.2	12.2	16.7	11.8	13.7	13.3	11.5	11.0	14.0	.	12.5	14.6	13.9	11.2	13.4
R10-197RY	.	18.5	14.9	15.6	14.2	16.5	12.9	13.9	14.8	13.4	12.8	15.8	.	16.1	17.4	14.7	12.4	14.9
R11-245	.	19.0	12.9	14.4	12.9	13.2	11.8	13.2	12.8	11.6	12.2	14.2	.	13.6	16.8	13.5	11	13.5
R11-262	.	18.9	13.2	14.5	13.9	13.8	12.9	13.1	13.6	12.3	12.9	14.9	.	14.5	17.5	15.2	12.3	14.2
S11-20124	.	17.3	11.7	15.0	13.2	15.4	12.9	13.3	14.1	12.7	13.5	15.2	.	14.8	17.5	14.0	12.9	14.2
TN11-5088	.	20.5	12.4	15.6	13.7	15.2	13.3	14.5	14.4	12.2	13.5	14.9	.	15.1	16.9	13.6	12.9	14.6
TN11-5102	.	20.4	12.8	15.1	13.6	15.3	13.1	14.5	14.1	12.4	12.6	15.0	.	15.2	17.2	14.4	12.9	14.6
TN11-5104	.	18.8	13.0	15.8	14.0	15.1	12.7	14.7	14.1	12.6	13.0	15.1	.	15.4	16.7	14.9	13.3	14.6
TN12-5716	.	17.3	11.3	13.4	12.5	13.6	13.4	13.2	12.4	13.0	11.9	13.3	.	12.7	15.4	14.3	12.1	13.3
TN56Cx-1273	.	21.8	14.3	18.7	15.6	19.7	14.3	16.2	16.2	14.5	14.2	17.5	.	16.7	18.0	16.5	14.1	16.6
V08-0062	.	20.1	14.7	16.5	15.3	16.2	15.7	14.3	15.8	15.4	14.4	15.0	.	16.2	18.5	17.4	13.8	15.9
V08-1924	.	21.5	12.6	17.2	15.0	15.1	13.3	14.3	17.1	13.6	13.1	15.5	.	14.4	19.5	16.7	12.4	15.4
V09-1268	.	28.1	14.6	16.9	15.2	17.1	15.4	15.7	17.4	13.8	13.4	16.6	.	18.9	19.1	16.8	14.5	16.9
V09-1276	.	19.3	12.1	15.4	12.7	14.3	12.2	12.6	15.1	11.9	12.1	14.3	.	14.5	17.3	15.4	12.2	14.1
V10-2499	.	20.7	11.3	14.9	12.2	14.2	12.4	13.5	14.1	12.1	11.9	14.3	.	13.7	17.3	14.1	11.6	13.9
Mean	.	19.1	12.9	15.2	13.6	15.4	13.1	14.1	14.5	12.6	12.7	15.0	.	14.7	17.0	14.8	12.3	.

**TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
OSAGE	10/5	10/4	9/20	9/28	9/29
Ellis	-2	-2	0	1	-1
JTN-5203	-2	-5	-6	-1	-3
AG 5332RR2Y	-7	-5	-5	1	-4
95Y70	8	6	-1	2	4
AG 5534RR2	3	2	-2	2	1
JTN-5110	-2	-11	-1	3	-3
K12-1348	-1	0	-5	1	-1
NCC09-200719-1-37	-3	-3	-4	1	-2
R10-230	6	4	-1	3	3
R10-1191	-3	-2	-3	-3	-3
R10-197RY	3	-1	2	0	1
R11-245	4	2	-4	2	1
R11-262	3	1	-3	3	1
S11-20124	2	-2	-4	0	-1
TN11-5088	-2	-2	-5	3	-1
TN11-5102	0	0	-5	3	-1
TN11-5104	0	0	-5	3	-1
TN12-5716	7	6	1	6	5
TN56Cx-1273	-2	-1	-6	2	-2
V08-0062	7	5	4	2	5
V08-1924	0	1	-7	1	-1
V09-1268	4	3	3	1	3
V09-1276	3	3	-2	1	1
V10-2499	-5	-5	-6	-4	-5
Mean	1	0	-3	1	0

**TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Plymouth, NC</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
OSAGE	10/13	10/11	10/12
Ellis	-4	-4	-4
JTN-5203	-4	-3	-3
AG 5332RR2Y	2	-9	-4
95Y70	4	8	6
AG 5534RR2	3	1	2
JTN-5110	-3	-4	-3
K12-1348	-2	2	0
NCC09-200719-1-37	-3	-3	-3
R10-230	0	4	2
R10-1191	-4	-2	-3
R10-197RY	0	-1	0
R11-245	0	-2	-1
R11-262	0	1	0
S11-20124	-4	-3	-3
TN11-5088	-4	-3	-3
TN11-5102	-2	-2	-2
TN11-5104	-4	-3	-3
TN12-5716	4	7	5
TN56Cx-1273	-2	-3	-2
V08-0062	4	8	6
V08-1924	2	1	1
V09-1268	5	3	4
V09-1276	2	1	1
V10-2499	-4	-5	-4
Mean	-1	0	0

**TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Belle Mina, AL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Springfield, TN</b>	<b>Area Mean</b>
OSAGE	9/23	10/8	10/4	10/2	10/2
Ellis	-4	3	-4	0	-1
JTN-5203	-3	-2	-3	0	-2
AG 5332RR2Y	-6	5	-3	0	-1
95Y70	5	13	3	2	6
AG 5534RR2	3	8	1	0	3
JTN-5110	-3	5	-2	-1	0
K12-1348	1	8	-2	0	2
NCC09-200719-1-37	-2	0	-2	-1	-1
R10-230	1	13	0	1	4
R10-1191	-1	0	-3	-1	-1
R10-197RY	1	8	-1	0	2
R11-245	-2	10	-1	0	2
R11-262	1	8	-1	1	2
S11-20124	-2	1	-1	0	-1
TN11-5088	-4	-5	-3	0	-3
TN11-5102	0	10	-2	0	2
TN11-5104	-1	0	-2	-1	-1
TN12-5716	6	8	-1	2	4
TN56Cx-1273	-1	1	-2	0	-1
V08-0062	3	11	3	1	5
V08-1924	-1	-2	-2	1	-1
V09-1268	2	10	-1	1	3
V09-1276	3	10	-1	0	3
V10-2499	-6	-7	-4	-1	-4
Mean	-1	5	-1	0	1



**TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
OSAGE	9/21	10/28	11/1	10/17
Ellis	4	0	-9	-2
JTN-5203	0	1	-4	-1
AG 5332RR2Y	1	0	-10	-3
95Y70	4	7	3	5
AG 5534RR2	3	2	-1	2
JTN-5110	2	2	-3	0
K12-1348	1	1	-1	0
NCC09-200719-1-37	-1	0	-4	-2
R10-230	4	1	-4	0
R10-1191	-1	4	-4	0
R10-197RY	2	0	-6	-1
R11-245	4	1	-2	1
R11-262	3	0	-6	-1
S11-20124	1	5	1	2
TN11-5088	1	0	-4	-1
TN11-5102	1	0	-3	-1
TN11-5104	1	0	-7	-2
TN12-5716	5	4	3	4
TN56Cx-1273	-1	2	-8	-2
V08-0062	6	4	1	4
V08-1924	1	2	-2	1
V09-1268	6	1	0	2
V09-1276	5	0	-3	1
V10-2499	-1	0	-9	-3
Mean	2	1	-3	0

**TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
OSAGE	26	31	25	27	22	26
Ellis	23	32	21	27	18	24
JTN-5203	24	32	24	23	22	25
AG 5332RR2Y	35	36	31	34	33	34
95Y70	28	42	41	40	38	38
AG 5534RR2	30	37	30	33	31	32
JTN-5110	26	34	30	32	22	29
K12-1348	26	29	27	26	27	27
NCC09-200719-1-37	23	30	25	29	22	26
R10-230	32	35	31	33	27	32
R10-1191	23	33	30	29	23	28
R10-197RY	29	35	29	31	28	30
R11-245	30	34	29	31	25	30
R11-262	26	36	31	31	24	30
S11-20124	28	38	32	45	30	35
TN11-5088	22	34	23	30	23	27
TN11-5102	22	34	25	29	21	27
TN11-5104	22	36	24	30	23	27
TN12-5716	26	36	31	29	27	30
TN56Cx-1273	23	33	25	26	24	26
V08-0062	31	38	32	35	32	34
V08-1924	27	36	32	33	24	30
V09-1268	29	32	29	26	28	29
V09-1276	24	33	25	27	25	27
V10-2499	24	30	25	34	24	27
Mean	26	34	28	31	26	.

**TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Plymouth, NC</b>	<b>Suffolk, VA</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
OSAGE	33	29	31	31
Ellis	31	32	32	32
JTN-5203	33	34	34	34
AG 5332RR2Y	41	33	34	36
95Y70	37	37	45	40
AG 5534RR2	43	40	39	40
JTN-5110	36	34	36	35
K12-1348	33	32	34	33
NCC09-200719-1-37	34	35	31	33
R10-230	40	34	38	37
R10-1191	32	33	35	34
R10-197RY	38	33	38	36
R11-245	33	32	37	35
R11-262	35	36	36	36
S11-20124	41	35	41	39
TN11-5088	34	33	35	34
TN11-5102	43	34	35	37
TN11-5104	36	33	37	35
TN12-5716	36	36	37	37
TN56Cx-1273	37	35	34	35
V08-0062	37	38	38	38
V08-1924	36	36	41	38
V09-1268	42	36	38	38
V09-1276	33	36	37	36
V10-2499	35	31	35	34
Mean	36	34	36	.

**TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Belle Mina, AL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
OSAGE	35	28	25	32	24	24	28
Ellis	36	29	22	36	24	26	29
JTN-5203	37	28	27	30	25	22	29
AG 5332RR2Y	41	40	32	29	25	32	33
95Y70	47	37	36	40	27	34	37
AG 5534RR2	43	36	31	38	28	35	35
JTN-5110	39	31	30	35	22	23	30
K12-1348	37	29	27	34	24	22	29
NCC09-200719-1-37	36	30	26	35	25	23	29
R10-230	39	34	32	38	24	31	33
R10-1191	40	29	27	32	27	26	30
R10-197RY	44	38	31	35	24	30	34
R11-245	38	34	29	36	29	26	32
R11-262	38	31	30	35	25	25	31
S11-20124	42	38	43	42	32	38	39
TN11-5088	39	35	30	34	28	31	33
TN11-5102	39	35	31	36	25	28	32
TN11-5104	40	36	31	34	25	29	32
TN12-5716	39	34	33	35	26	30	33
TN56Cx-1273	40	31	28	34	25	28	31
V08-0062	43	38	36	37	27	29	35
V08-1924	39	35	33	38	25	29	33
V09-1268	41	34	30	35	24	28	32
V09-1276	39	27	28	36	23	26	30
V10-2499	39	30	29	35	22	31	31
Mean	40	33	30	35	25	28	.

**TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
OSAGE	20	29	28	26
Ellis	20	31	29	27
JTN-5203	21	29	31	27
AG 5332RR2Y	35	29	26	30
95Y70	36	42	36	38
AG 5534RR2	30	32	30	31
JTN-5110	25	32	31	29
K12-1348	26	30	31	29
NCC09-200719-1-37	25	30	30	28
R10-230	32	39	34	35
R10-1191	26	30	28	28
R10-197RY	29	33	31	31
R11-245	25	36	34	32
R11-262	27	33	31	30
S11-20124	35	47	42	41
TN11-5088	19	34	31	28
TN11-5102	26	34	33	31
TN11-5104	20	35	31	29
TN12-5716	25	33	31	30
TN56Cx-1273	18	31	29	26
V08-0062	29	33	31	31
V08-1924	27	36	34	32
V09-1268	26	33	29	29
V09-1276	21	33	31	28
V10-2499	27	35	31	31
Mean	26	34	31	.

**TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
OSAGE	2.3	1.0	1.0	2.0	1.0	1.5
Ellis	1.0	1.3	1.0	2.0	1.0	1.3
JTN-5203	1.0	1.3	1.0	2.0	1.0	1.3
AG 5332RR2Y	3.0	3.7	2.0	3.0	2.0	2.7
95Y70	3.0	2.0	1.7	2.7	2.7	2.4
AG 5534RR2	2.7	2.0	1.3	2.0	1.3	1.9
JTN-5110	2.7	1.7	1.0	2.0	1.0	1.7
K12-1348	2.3	2.0	1.3	2.0	1.7	1.9
NCC09-200719-1-37	1.0	1.3	1.0	2.0	1.0	1.3
R10-230	3.0	2.0	1.0	2.3	2.0	2.1
R10-1191	2.7	1.3	1.0	2.0	1.0	1.6
R10-197RY	1.3	1.0	1.0	2.0	1.0	1.3
R11-245	3.0	2.3	1.0	2.0	1.0	1.9
R11-262	2.0	1.3	1.0	2.3	1.0	1.5
S11-20124	3.7	3.0	2.0	4.3	2.3	3.1
TN11-5088	1.3	2.3	1.0	5.0	1.0	2.1
TN11-5102	1.3	1.7	1.0	2.0	1.0	1.4
TN11-5104	1.7	2.0	1.0	2.0	1.0	1.5
TN12-5716	2.3	2.0	1.3	2.0	1.0	1.7
TN56Cx-1273	1.0	1.0	1.0	2.0	1.0	1.2
V08-0062	2.3	2.0	1.0	2.3	2.0	1.9
V08-1924	2.7	3.0	1.0	2.0	1.0	1.9
V09-1268	2.0	2.0	1.0	2.0	1.3	1.7
V09-1276	2.0	1.7	1.0	2.0	1.7	1.7
V10-2499	2.0	2.3	1.3	2.3	1.7	1.9
Mean	2.1	1.9	1.2	2.3	1.3	.

**TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Plymouth, NC</b>	<b>Suffolk, VA</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
OSAGE	1.5	1.3	1.0	1.3
Ellis	1.5	1.3	1.3	1.4
JTN-5203	1.8	2.2	1.6	1.9
AG 5332RR2Y	2.0	1.8	1.3	1.7
95Y70	3.3	2.7	1.5	2.4
AG 5534RR2	1.5	2.2	1.7	1.8
JTN-5110	2.3	2.3	1.7	2.1
K12-1348	2.0	2.7	1.6	2.1
NCC09-200719-1-37	2.0	3.3	1.5	2.3
R10-230	2.8	3.7	1.6	2.7
R10-1191	2.8	2.2	1.2	2.0
R10-197RY	1.8	1.8	1.2	1.6
R11-245	2.5	2.5	1.6	2.2
R11-262	2.5	2.5	1.5	2.1
S11-20124	4.0	4.3	1.9	3.3
TN11-5088	2.5	2.2	1.4	2.0
TN11-5102	2.0	2.5	1.4	2.0
TN11-5104	2.0	2.0	1.5	1.8
TN12-5716	2.0	2.5	1.7	2.1
TN56Cx-1273	1.5	2.0	1.3	1.6
V08-0062	2.0	2.0	1.5	1.8
V08-1924	3.3	3.3	1.7	2.7
V09-1268	2.0	2.3	1.2	1.8
V09-1276	2.8	3.2	1.6	2.5
V10-2499	2.5	4.0	1.6	2.7
Mean	2.3	2.5	1.5	.

**TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Belle Mina, AL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
OSAGE	1.3	1.0	1.3	1.0	1.0	1.0	1.1
Ellis	1.0	1.0	1.7	1.0	1.0	1.0	1.1
JTN-5203	1.3	1.0	1.3	1.0	1.0	1.0	1.1
AG 5332RR2Y	2.0	2.7	2.0	1.0	1.0	1.0	1.7
95Y70	2.7	2.7	2.7	1.0	1.0	1.0	1.9
AG 5534RR2	1.3	1.7	2.0	1.0	1.0	1.0	1.4
JTN-5110	2.0	2.3	2.3	1.0	1.0	1.0	1.7
K12-1348	1.7	3.0	2.3	1.0	1.0	1.0	1.8
NCC09-200719-1-37	2.0	2.0	2.0	1.0	1.2	1.0	1.6
R10-230	2.7	2.3	2.7	1.0	1.0	1.0	1.9
R10-1191	2.0	2.3	2.3	1.0	1.0	1.0	1.7
R10-197RY	1.7	2.0	2.0	1.0	1.0	1.0	1.5
R11-245	2.0	2.7	2.3	1.0	1.0	1.0	1.8
R11-262	1.7	1.7	2.3	1.0	1.0	1.0	1.5
S11-20124	3.0	3.7	4.0	1.0	3.5	1.0	2.9
TN11-5088	2.3	2.3	2.0	1.0	1.0	1.0	1.7
TN11-5102	2.0	2.3	2.3	1.0	1.0	1.0	1.7
TN11-5104	2.3	1.0	2.3	1.0	1.0	1.0	1.5
TN12-5716	2.3	2.7	2.7	1.0	1.0	1.0	1.9
TN56Cx-1273	1.0	1.0	1.7	1.0	1.0	1.0	1.1
V08-0062	1.7	2.3	2.0	1.0	1.0	1.0	1.6
V08-1924	2.3	4.0	3.0	1.0	2.3	1.0	2.4
V09-1268	2.0	2.3	1.7	1.0	1.0	1.0	1.6
V09-1276	2.3	1.0	3.0	1.0	1.2	1.0	1.7
V10-2499	2.0	2.0	1.7	1.0	1.0	1.0	1.5
Mean	1.9	2.1	2.2	1.0	1.2	1.0	.



**TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
OSAGE	1.0	1.0	1.0	1.0
Ellis	1.0	1.0	1.0	1.0
JTN-5203	1.0	1.0	1.0	1.0
AG 5332RR2Y	2.7	1.0	1.0	1.6
95Y70	2.0	2.0	1.3	1.8
AG 5534RR2	1.0	1.0	1.0	1.0
JTN-5110	1.0	1.0	2.0	1.3
K12-1348	1.0	1.3	2.3	1.6
NCC09-200719-1-37	1.0	1.0	1.0	1.0
R10-230	1.0	1.0	2.7	1.6
R10-1191	1.0	1.0	2.7	1.6
R10-197RY	1.0	1.0	1.0	1.0
R11-245	1.0	1.0	2.7	1.6
R11-262	1.0	1.0	1.0	1.0
S11-20124	3.0	3.3	4.0	3.4
TN11-5088	1.0	1.0	1.3	1.1
TN11-5102	1.0	1.0	1.0	1.0
TN11-5104	1.0	1.0	1.0	1.0
TN12-5716	1.0	1.0	1.0	1.0
TN56Cx-1273	1.0	1.0	1.0	1.0
V08-0062	1.0	1.0	1.0	1.0
V08-1924	1.0	1.7	3.7	2.1
V09-1268	1.0	1.0	1.0	1.0
V09-1276	1.0	1.0	2.3	1.4
V10-2499	1.0	1.0	1.7	1.2
Mean	1.2	1.2	1.6	.

**TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Portageville, MO(A)</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
OSAGE	1.5	1.0	3.3	2.0	1.5	2.0
Ellis	1.5	1.0	3.0	2.0	1.5	1.9
JTN-5203	1.5	2.0	3.7	2.0	1.5	2.4
AG 5332RR2Y	3.0	3.0	3.3	2.0	2.0	2.7
95Y70	1.5	2.7	2.7	2.0	2.0	2.3
AG 5534RR2	3.0	3.3	4.0	2.0	2.0	3.0
JTN-5110	2.5	3.3	4.0	2.0	2.0	3.0
K12-1348	2.0	2.0	3.3	2.0	2.0	2.4
NCC09-200719-1-37	2.0	2.7	3.0	2.0	1.5	2.4
R10-230	2.5	1.3	2.7	2.0	2.0	2.0
R10-1191	2.5	2.3	2.0	2.0	1.5	2.1
R10-197RY	2.0	2.0	3.7	2.0	1.5	2.4
R11-245	2.0	2.0	2.3	2.0	1.5	2.0
R11-262	1.5	2.0	2.3	2.0	2.0	2.0
S11-20124	2.0	3.3	2.0	2.0	1.5	2.3
TN11-5088	2.0	2.3	2.0	2.0	1.5	2.0
TN11-5102	1.5	2.0	2.3	2.0	2.0	2.0
TN11-5104	1.5	2.0	2.3	2.0	1.5	2.0
TN12-5716	2.5	3.0	3.3	2.0	1.5	2.6
TN56Cx-1273	2.5	1.7	3.3	2.0	2.5	2.4
V08-0062	2.0	1.7	2.7	2.0	2.0	2.1
V08-1924	2.5	2.0	2.0	2.0	1.5	2.0
V09-1268	1.5	1.7	2.3	2.0	2.5	2.0
V09-1276	2.0	2.0	2.7	2.0	2.5	2.2
V10-2499	2.0	1.7	2.3	2.0	1.0	1.9
Mean	2.0	2.2	2.8	2.0	1.8	.

**TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Plymouth, NC</b>	<b>Suffolk, VA</b>	<b>Warsaw, VA</b>	<b>Area Mean</b>
OSAGE	.	1.0	1.9	1.5
Ellis	.	1.0	1.8	1.4
JTN-5203	.	1.0	2.0	1.5
AG 5332RR2Y	.	1.3	2.4	1.9
95Y70	.	1.3	1.4	1.4
AG 5534RR2	.	1.3	1.3	1.3
JTN-5110	.	1.3	1.7	1.5
K12-1348	.	1.7	1.9	1.8
NCC09-200719-1-37	.	1.0	1.5	1.3
R10-230	.	1.7	1.4	1.5
R10-1191	.	1.7	1.4	1.5
R10-197RY	.	1.0	1.3	1.2
R11-245	.	1.0	1.5	1.3
R11-262	.	2.0	1.9	2.0
S11-20124	.	1.3	1.6	1.5
TN11-5088	.	1.7	1.9	1.8
TN11-5102	.	1.0	1.6	1.3
TN11-5104	.	1.3	1.6	1.5
TN12-5716	.	1.3	1.4	1.4
TN56Cx-1273	.	2.0	1.9	2.0
V08-0062	.	1.0	1.3	1.2
V08-1924	.	1.7	1.5	1.6
V09-1268	.	1.7	1.9	1.8
V09-1276	.	1.3	1.6	1.5
V10-2499	.	1.3	1.6	1.5
Mean	.	1.4	1.7	.

**TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Belle Mina, AL</b>	<b>Jackson, TN</b>	<b>Knoxville, TN</b>	<b>Orange, VA</b>	<b>Springfield, TN</b>	<b>Starkville, MS</b>	<b>Area Mean</b>
OSAGE	.	1.3	2.0	1.0	1.3	.	1.4
Ellis	.	2.0	2.0	1.0	1.3	.	1.6
JTN-5203	.	2.0	1.0	1.0	2.0	.	1.5
AG 5332RR2Y	.	2.3	2.0	1.7	3.0	.	2.3
95Y70	.	2.3	2.0	1.3	2.0	.	1.9
AG 5534RR2	.	2.0	2.7	1.0	2.0	.	1.9
JTN-5110	.	3.0	1.7	1.3	2.3	.	2.1
K12-1348	.	2.0	1.3	1.0	1.7	.	1.5
NCC09-200719-1-37	.	1.7	2.0	1.0	1.7	.	1.6
R10-230	.	1.7	1.7	1.0	1.7	.	1.5
R10-1191	.	2.0	1.0	1.0	1.7	.	1.4
R10-197RY	.	2.0	1.0	1.0	2.0	.	1.5
R11-245	.	1.7	1.7	1.0	1.7	.	1.5
R11-262	.	1.7	2.0	1.3	2.0	.	1.8
S11-20124	.	2.0	1.0	1.3	1.3	.	1.4
TN11-5088	.	1.7	2.0	1.3	1.3	.	1.6
TN11-5102	.	2.0	2.0	1.0	1.7	.	1.7
TN11-5104	.	2.0	2.0	1.0	1.0	.	1.5
TN12-5716	.	2.0	2.0	1.3	1.3	.	1.7
TN56Cx-1273	.	2.0	2.0	1.0	2.0	.	1.8
V08-0062	.	1.7	2.0	2.7	1.7	.	2.0
V08-1924	.	2.3	2.0	1.0	2.0	.	1.8
V09-1268	.	2.3	2.0	1.0	1.3	.	1.7
V09-1276	.	2.0	2.0	1.0	1.3	.	1.6
V10-2499	.	2.0	2.0	1.0	1.7	.	1.7
Mean	.	2.0	1.8	1.2	1.7	.	.

**TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Area Mean</b>
OSAGE	1.0	2.0	1.0	1.2
Ellis	1.0	2.0	2.0	1.4
JTN-5203	1.0	3.0	2.0	1.6
AG 5332RR2Y	1.0	2.0	3.0	1.6
95Y70	1.0	1.0	1.0	1.0
AG 5534RR2	1.0	1.0	1.0	1.0
JTN-5110	1.0	3.0	2.0	1.6
K12-1348	1.0	2.0	1.0	1.2
NCC09-200719-1-37	1.0	2.0	2.0	1.4
R10-230	1.0	3.0	2.0	1.6
R10-1191	1.0	2.0	1.0	1.2
R10-197RY	1.0	2.0	1.0	1.2
R11-245	1.0	3.0	2.0	1.6
R11-262	1.0	3.0	2.0	1.6
S11-20124	1.0	2.0	2.0	1.4
TN11-5088	1.0	2.0	1.0	1.2
TN11-5102	1.0	3.0	1.0	1.4
TN11-5104	1.0	2.0	2.0	1.4
TN12-5716	1.0	1.0	2.0	1.2
TN56Cx-1273	1.0	2.0	2.0	1.4
V08-0062	1.0	1.0	2.0	1.2
V08-1924	1.0	2.0	2.0	1.4
V09-1268	1.0	3.0	1.0	1.4
V09-1276	1.0	3.0	2.0	1.6
V10-2499	1.0	3.0	2.0	1.6
Mean	1.0	2.2	1.7	.

INTENTIONALLY BLANK

**TABLE 45 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	OSAGE	Hartz 5545 x KS4895		
2	Ellis	Commercial check		
3	JTN-5203	R93-171 x Anand	F15	SCN, FLS
4	AG 5332RR2Y	Commercial check		
5	95Y70	Commercial check		
6	AG 5534RR2	Commercial check		
7	DA09x003-27-76	(DB01-5289)x(DA08x27)	F3	Low Linolenic Acid
8	DA09x003-45-182	(DB01-5289)x(DA08x27)	F3	Low Linolenic Acid
9	DA09x004-30-136	(JTN-4307)x(DA08x28)	F3	Low Linolenic Acid
10	K12-1028	5601T/R05-4114		
11	K12-1039	5601T/R05-4114		
12	K12-1099	R04-122/K08-1097		
13	K12-1353	R04-357/JTN-5503		
14	K12-1355	R04-357/JTN-5503		
15	R07-6614RR	Lonoke x Hutcheson-RR	F6	
16	R10-5086	Osage x R99-1613F	F3	
17	R11-213RY	R03-1232 x RR2Y	F4	
18	R11-927	JTN 5303 x Osage	F4	
19	R11-1192	Osage x R05-3239	F3	
20	R11-1546	R03-263 x UA 4805	F5	
21	S11-16653	S07-2680 X LG04-6000	F5	Conv
22	S11-20195	S05-11482 X S06-4649RR	F5	RR1
23	S12-2994M	S07-5117 x S05-11482	F5	Conv
24	S12-7449	S07-15722RR x S09-328 F1	F5	RR1, Diversity, SCN
25	S12-11150	S07-2680 x RR2S10-5737	F5	RR2
26	S12-11165	S07-2680 x RR2S10-5737	F5	RR2
27	TN12-5014	5601T x TN03-349		
28	TN13-5503R2	5002T x 09-46665		
29	TN13-5538RR1	(TN01-294RR x LG98-1445) = 75T40 SP No.91		
30	TN13-5539RR1	(TN01-294RR x LG98-1445) = 75T40 SP No.30		
31	V10-0262	R02-2363 X V98-2711	F4	
32	V10-1687	V98-2711 x V02-8659	F4	
33	V11-0536	R04-198 X V98-2711	F4	

**TABLE 46 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST V FOR YEAR 2014**

STRAIN/ VARIETY	SEED YIELD	AVG. RANK	MAT. RANK	INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
											2.5.7 Race 1	0 Race 3	2.5.7 Race 5					
OSAGE	58.2	7	13	0	1.3	27	1.7	12.7	43.4	20.8	4	5	5	.	P	G		
Ellis	58.1	8	10	-2	1.3	26	1.8	12.7	40.5	21.4	4	4	5	.	W	G		
JTN-5203	54.1	25	19	-2	1.2	26	2.0	13.4	40.6	22.0	3	4	2	.	W	G		
AG 5332RR2Y	59.4	2	10	-3	1.9	32	2.5	14.9	41.4	21.7	4	4	5	.	P	T		
95Y70	57.3	11	15	5	2.5	38	1.7	13.5	40.3	22.3	3	5	5	.	W	G		
AG 5534RR2	57.5	10	13	3	1.4	32	1.8	15.8	40.0	22.7	2	4	5	.	W	T		
DA09x003-27-76	52.6	28	22	-4	1.8	29	2.0	14.1	40.2	22.4	4	5	5	.	W	T		T
DA09x003-45-182	56.3	17	18	1	1.9	31	1.7	14.1	41.0	21.3	4	5	5	.	W	T		T
DA09x004-30-136	49.9	31	27	-5	2.4	32	2.1	11.7	40.3	21.5	4	5	5	.	W	T		T
K12-1028	56.2	18	15	-1	1.4	26	1.7	13.3	41.5	21.6	5	5	4	.	W	G		
K12-1039	53.9	26	18	-5	1.4	28	1.9	13.0	41.4	21.4	4	5	5	.	P	G		
K12-1099	50.7	30	24	-4	1.8	27	2.1	15.7	38.9	22.7	4	5	5	.	P	G		
K12-1353	56.1	19	17	0	2.4	33	1.9	12.8	40.2	22.4	4	5	4	.	W	T		
K12-1355	59.7	1	10	-1	1.9	29	1.8	14.5	39.5	22.6	3	3	3	.	W	G		
R07-6614RR	52.4	29	24	4	1.7	32	1.8	13.9	39.5	22.0	4	4	5	.	W	G		T
R10-5086	58.9	5	11	4	1.8	30	1.8	13.7	42.4	21.3	4	5	4	.	P	G		T
R11-213RY	55.3	22	20	4	1.8	32	1.9	16.1	41.2	21.3	4	4	5	.	P	G		T
R11-927	54.8	23	19	-2	1.2	25	1.8	13.5	41.0	21.6	4	5	5	.	P	T		T
R11-1192	57.2	12	14	4	1.6	31	1.9	13.4	42.3	20.9	5	4	5	.	P	G		T
R11-1546	56.4	16	16	0	1.3	28	1.8	13.0	40.5	21.1	3	4	4	.	P	T		T
S11-16653	59.0	4	11	0	1.6	29	1.9	15.2	39.9	22.3	1	1	3	.	W	G		
S11-20195	56.9	13	16	-3	2.5	30	2.1	13.8	39.6	22.5	1	1	1	.	P	T		
S12-2994M	58.6	6	13	5	1.9	29	2.2	16.4	40.3	22.4	4	4	4	.	W	T		
S12-7449	54.1	24	21	-7	2.1	31	2.4	14.3	40.9	21.6	4	5	5	.	W	T		
S12-11150	59.2	3	12	4	1.6	31	1.7	14.4	41.0	21.2	4	5	3	.	W	G		
S12-11165	58.1	9	13	3	1.9	32	1.9	14.5	41.5	21.1	4	5	4	.	W	G		
TN12-5014	48.3	33	25	0	1.3	24	1.8	16.8	43.8	21.0	4	5	5	.	W	G		
TN13-5503R2	49.5	32	28	2	1.6	30	2.3	13.7	40.0	22.9	4	4	4	.	S	T		
TN13-5538RR1	56.4	15	17	0	1.3	30	1.9	14.4	38.8	21.9	3	3	1	.	W	G		
TN13-5539RR1	55.3	21	21	-1	1.4	31	1.8	14.0	38.4	22.1	3	4	2	.	W	G		
V10-0262	56.7	14	15	-1	1.6	30	1.9	14.6	42.4	21.5	4	5	5	.	W	T		
V10-1687	53.4	27	19	-6	1.5	24	2.0	14.5	42.1	22.2	5	5	3	.	W	T		
V11-0536	55.7	20	18	-5	2.0	29	2.0	13.9	41.6	20.7	5	5	4	.	W	G		
Mean	55.7	.	.	0	1.7	29	1.9	14.1	40.8	21.8	.	.	.	.	.	.	.	.
LSD(0.05)	4.7	.	.	3	.	2	0.3	0.8	0.7	0.4	.	.	.	.	.	.	.	.
CV(%)	11.1	.	.	-706	.	10	20.4	6.5	1.7	2.0	.	.	.	.	.	.	.	.



**TABLE 47 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	45.3	71.4	45.6	63.6	47.9	34.7	57.6	83.1	77.3	56.0	58.2
Ellis	49.7	55.3	53.2	63.9	53.1	36.7	63.8	83.1	61.6	61.2	58.1
JTN-5203	41.8	53.7	49.3	64.6	48.6	46.3	55.2	71.5	57.0	53.1	54.1
AG 5332RR2Y	49.7	74.6	42.5	70.6	53.6	34.3	52.9	84.9	73.1	58.4	59.4
95Y70	38.5	73.3	44.6	70.1	52.5	31.2	65.8	75.5	74.9	48.3	57.3
AG 5534RR2	47.7	75.3	53.8	55.2	51.0	28.7	56.5	77.6	74.3	55.3	57.5
DA09x003-27-76	48.0	66.0	44.3	59.1	40.9	24.7	52.8	65.8	68.0	56.9	52.6
DA09x003-45-182	40.7	73.1	48.3	65.4	44.3	26.6	63.6	72.7	76.5	50.7	56.3
DA09x004-30-136	37.8	62.1	45.6	54.2	41.1	28.7	52.8	72.4	64.7	41.9	49.9
K12-1028	48.7	61.6	53.7	65.5	48.8	34.5	54.5	69.9	69.5	55.4	56.2
K12-1039	46.0	52.3	48.8	62.1	49.9	34.5	59.9	75.0	58.7	53.5	53.9
K12-1099	36.2	57.2	44.1	57.3	46.9	30.2	51.1	75.9	53.1	57.2	50.7
K12-1353	48.3	73.8	44.1	56.5	49.2	34.0	58.3	77.5	65.8	53.2	56.1
K12-1355	45.3	73.4	56.7	61.7	52.9	39.6	63.3	79.2	69.2	56.3	59.7
R07-6614RR	40.3	71.8	40.0	54.8	46.7	34.0	59.2	61.4	68.2	48.1	52.4
R10-5086	42.6	73.7	47.4	72.0	48.2	37.7	55.4	82.7	72.5	56.8	58.9
R11-213RY	42.3	63.6	43.3	69.0	45.7	27.9	69.9	69.3	68.7	52.7	55.3
R11-927	42.6	68.5	48.8	64.0	50.2	25.1	54.2	75.5	66.4	52.5	54.8
R11-1192	47.5	73.9	37.3	67.9	48.5	34.4	61.0	80.9	70.8	49.6	57.2
R11-1546	42.7	60.1	46.6	62.6	51.1	34.3	59.8	78.5	78.1	50.0	56.4
S11-16653	50.0	71.0	50.2	71.8	47.2	36.7	67.3	75.1	66.7	54.3	59.0
S11-20195	46.0	75.7	39.7	61.2	52.4	43.5	56.4	81.8	58.1	52.4	56.9
S12-2994M	36.2	83.0	54.4	69.1	54.1	37.9	62.2	72.3	66.2	51.1	58.6
S12-7449	47.1	72.8	35.3	65.3	45.7	32.0	51.6	80.9	60.0	50.8	54.1
S12-11150	52.6	78.9	45.4	62.1	54.8	38.3	66.6	74.3	73.5	45.1	59.2
S12-11165	43.0	70.6	44.0	69.8	54.1	41.2	63.0	76.9	70.2	48.1	58.1
TN12-5014	43.2	47.5	47.5	56.4	38.7	28.4	48.5	70.8	44.3	59.8	48.3
TN13-5503R2	33.7	66.7	40.8	57.8	47.2	28.0	50.8	64.4	59.0	46.6	49.5
TN13-5538RR1	44.5	65.7	44.0	67.2	50.1	45.2	60.6	78.2	61.4	47.5	56.4
TN13-5539RR1	40.3	79.0	41.7	62.4	47.1	42.8	51.3	74.6	64.3	48.6	55.3
V10-0262	46.8	64.4	44.4	67.9	52.4	33.0	59.4	79.8	63.8	55.2	56.7
V10-1687	43.8	48.8	45.7	67.8	47.3	36.2	49.8	75.9	66.6	52.7	53.4
V11-0536	36.8	77.4	40.4	65.9	50.7	32.3	54.3	79.7	66.5	52.8	55.7
Mean	43.8	67.8	45.8	63.8	48.8	34.3	57.9	75.6	66.3	52.5	55.7
LSD(0.05)	8.1	11.2	11.1	12.7	6.9	4.3	11.6	9.4	9.0	7.2	4.7
CV(%)	9.0	7.9	10.9	9.8	6.5	6.1	9.9	6.1	6.7	6.7	11.1

**TABLE 48 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	20.3	20.5	20.3	21.3	20.7	.	20.9	21.4	20.1	21.3	20.8
Ellis	21.3	21.4	20.4	22.2	20.6	.	21.1	22.0	21.1	22.5	21.4
JTN-5203	21.4	22.1	21.8	22.8	21.5	.	21.7	22.3	21.6	23.1	22.0
AG 5332RR2Y	21.8	21.6	20.7	22.3	21.3	.	21.6	22.5	21.3	22.4	21.7
95Y70	22.1	22.5	21.9	23.0	21.1	.	22.2	22.9	22.2	22.6	22.3
AG 5534RR2	23.3	22.9	.	24.1	22.0	.	21.9	23.1	22.3	22.7	22.7
DA09x003-27-76	22.0	22.2	22.1	23.2	21.8	.	22.1	23.2	21.7	23.4	22.4
DA09x003-45-182	21.2	20.5	21.3	22.2	21.2	.	21.7	20.8	20.3	22.4	21.3
DA09x004-30-136	20.8	21.3	21.7	22.3	20.8	.	21.1	21.7	20.8	22.7	21.5
K12-1028	21.4	21.9	.	22.5	20.4	.	21.4	22.5	21.2	22.2	21.6
K12-1039	20.8	21.5	20.8	22.2	20.3	.	20.9	22.3	21.2	22.3	21.4
K12-1099	23.3	22.7	21.5	24.0	21.9	.	22.0	23.5	22.4	23.2	22.7
K12-1353	22.4	21.9	22.0	23.3	21.1	.	22.2	23.2	22.1	23.3	22.4
K12-1355	22.5	22.6	22.5	23.9	21.2	.	21.3	23.6	22.6	23.3	22.6
R07-6614RR	22.3	22.0	21.4	22.5	20.9	.	21.7	23.4	22.1	21.6	22.0
R10-5086	21.1	20.9	20.6	22.2	20.9	.	20.8	21.8	21.0	22.3	21.3
R11-213RY	20.9	21.0	21.0	22.1	19.9	.	21.6	22.0	21.4	21.4	21.3
R11-927	21.3	21.7	.	22.3	20.7	.	22.3	22.2	20.9	21.8	21.6
R11-1192	21.0	20.4	20.5	21.5	20.3	.	21.0	21.8	20.2	21.1	20.9
R11-1546	21.0	21.3	21.0	22.0	20.6	.	21.5	21.2	19.6	21.9	21.1
S11-16653	22.9	22.4	21.8	23.3	20.7	.	21.9	23.2	21.6	23.0	22.3
S11-20195	23.0	22.8	22.3	23.1	20.1	.	22.4	23.5	22.4	22.6	22.5
S12-2994M	22.7	22.6	21.8	23.9	21.4	.	21.4	23.3	21.6	22.9	22.4
S12-7449	21.6	22.2	20.7	22.0	21.0	.	21.4	22.2	21.2	22.0	21.6
S12-11150	21.6	21.2	.	21.6	19.4	.	21.1	22.3	21.2	21.5	21.2
S12-11165	21.1	21.5	20.1	21.4	19.4	.	21.9	22.0	20.7	21.5	21.1
TN12-5014	21.1	20.9	20.8	21.8	19.6	.	20.8	21.3	20.5	22.5	21.0
TN13-5503R2	23.5	23.0	23.0	23.9	21.1	.	21.8	23.8	22.8	23.5	22.9
TN13-5538RR1	22.7	22.0	21.6	23.1	20.2	.	20.9	22.8	21.8	22.1	21.9
TN13-5539RR1	22.7	22.2	21.9	22.9	20.7	.	22.1	23.2	21.7	21.9	22.1
V10-0262	21.7	21.2	21.0	22.5	20.1	.	21.3	22.9	21.6	21.4	21.5
V10-1687	22.5	22.3	21.1	23.0	21.7	.	21.6	23.0	21.7	22.6	22.2
V11-0536	21.3	20.7	19.8	21.3	20.0	.	20.8	21.4	20.3	21.1	20.7
Mean	21.8	21.8	21.3	22.6	20.7	.	21.5	22.5	21.4	22.3	.

**TABLE 49 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	44.6	44.1	45.2	43.4	40.9	.	42.5	43.4	46.0	40.9	43.4
Ellis	41.3	40.3	43.1	39.7	38.8	.	42.1	40.3	41.4	37.3	40.5
JTN-5203	41.9	41.0	41.1	40.8	39.6	.	40.8	41.3	42.0	37.0	40.6
AG 5332RR2Y	41.9	42.2	43.8	40.9	39.0	.	41.8	41.0	43.2	39.0	41.4
95Y70	41.7	41.1	41.8	40.1	38.7	.	40.0	40.0	41.8	37.8	40.3
AG 5534RR2	39.8	40.3	.	39.2	38.0	.	40.4	40.3	42.8	37.5	40.0
DA09x003-27-76	41.2	40.5	41.7	39.9	39.0	.	39.4	40.1	42.4	37.3	40.2
DA09x003-45-182	41.7	42.9	42.1	40.4	38.5	.	40.2	41.6	43.5	38.0	41.0
DA09x004-30-136	41.3	41.0	40.7	39.5	38.7	.	40.1	40.4	43.9	37.5	40.3
K12-1028	42.1	41.2	.	41.8	40.5	.	40.8	40.9	43.6	39.1	41.5
K12-1039	43.7	41.0	43.4	41.1	40.5	.	40.9	40.7	42.6	38.4	41.4
K12-1099	39.7	38.8	41.8	38.4	38.4	.	39.1	37.3	40.1	36.8	38.9
K12-1353	41.0	41.9	41.7	39.3	38.5	.	40.0	40.2	41.5	37.3	40.2
K12-1355	40.5	40.4	40.1	38.8	37.8	.	41.3	38.7	41.7	36.0	39.5
R07-6614RR	40.1	40.6	41.4	39.1	38.3	.	39.2	38.4	40.7	38.1	39.5
R10-5086	43.5	42.9	45.0	41.9	40.1	.	42.2	42.9	44.3	39.1	42.4
R11-213RY	43.1	43.0	42.1	40.9	39.8	.	40.4	40.6	42.2	39.0	41.2
R11-927	41.9	41.5	.	40.4	38.5	.	40.3	41.7	43.1	39.1	41.0
R11-1192	43.4	42.9	44.3	42.4	40.7	.	41.2	41.9	45.1	39.2	42.3
R11-1546	41.6	40.6	41.4	39.6	38.5	.	40.5	41.8	43.8	36.7	40.5
S11-16653	40.1	39.9	41.9	39.3	38.5	.	39.8	39.5	43.2	37.1	39.9
S11-20195	39.9	39.7	41.0	39.3	38.7	.	39.3	39.2	41.9	37.1	39.6
S12-2994M	41.1	41.3	42.4	39.2	38.6	.	39.9	39.4	42.7	37.7	40.3
S12-7449	41.9	40.9	43.5	41.0	39.1	.	40.9	39.9	43.5	37.5	40.9
S12-11150	41.4	41.6	.	41.1	40.0	.	40.4	40.1	43.6	37.8	41.0
S12-11165	42.9	41.6	44.2	41.1	39.3	.	40.6	41.1	44.5	38.0	41.5
TN12-5014	44.8	44.5	45.2	43.5	43.1	.	43.8	44.2	45.6	39.6	43.8
TN13-5503R2	40.8	40.3	41.5	39.4	38.9	.	41.0	39.9	42.3	35.5	40.0
TN13-5538RR1	38.7	39.5	39.7	38.5	38.4	.	40.6	38.2	40.5	35.0	38.8
TN13-5539RR1	37.4	38.7	40.1	38.6	36.9	.	37.9	38.2	41.6	36.0	38.4
V10-0262	42.7	43.4	45.2	41.8	39.7	.	42.1	42.3	45.0	39.4	42.4
V10-1687	44.4	43.2	44.1	41.6	39.2	.	38.7	42.7	45.3	39.7	42.1
V11-0536	42.7	42.8	43.8	41.6	39.5	.	40.5	41.4	43.3	39.1	41.6
Mean	41.7	41.4	42.5	40.4	39.2	.	40.6	40.6	43.0	37.9	.

**TABLE 50 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	11.3	12.3	14.4	11.6	13.3	13.2	13.0	13.3	13.9	11.0	12.7
Ellis	11.9	14.2	11.7	11.4	12.6	12.4	13.3	14.1	14.6	10.7	12.7
JTN-5203	11.8	13.9	12.1	12.6	15.2	14.6	12.2	15.1	15.6	11.0	13.4
AG 5332RR2Y	13.6	16.1	17.7	13.7	13.7	16.9	14.2	14.5	16.6	12.1	14.9
95Y70	12.5	13.9	13.9	12.9	13.6	13.8	13.6	13.0	16.5	11.9	13.5
AG 5534RR2	15.9	14.4	18.2	14.0	16.7	16.1	13.5	16.4	20.0	12.8	15.8
DA09x003-27-76	12.6	15.6	15.8	12.8	14.1	14.1	12.8	14.0	16.9	12.2	14.1
DA09x003-45-182	13.1	14.7	14.9	12.7	16.6	13.7	12.6	13.3	16.8	12.5	14.1
DA09x004-30-136	10.4	12.7	12.7	10.1	10.5	12.9	10.7	12.3	14.7	10.0	11.7
K12-1028	11.3	13.2	14.3	12.5	14.7	14.5	11.7	13.0	16.1	11.4	13.3
K12-1039	11.6	13.7	14.2	11.6	15.5	13.2	12.4	12.3	15.3	10.6	13.0
K12-1099	14.7	16.1	16.1	15.2	16.9	15.3	13.9	15.5	19.7	13.9	15.7
K12-1353	12.5	14.3	12.0	12.0	13.5	13.3	13.2	11.5	14.5	11.3	12.8
K12-1355	12.3	16.0	16.0	12.4	15.6	16.2	12.4	13.4	18.1	13.1	14.5
R07-6614RR	13.1	14.1	17.1	11.7	13.2	14.5	13.8	13.4	16.4	12.2	13.9
R10-5086	11.7	13.7	15.7	12.4	14.4	14.0	12.7	13.8	16.9	12.1	13.7
R11-213RY	14.9	17.1	16.7	15.8	16.8	14.7	14.6	16.2	19.1	15.6	16.1
R11-927	11.9	15.6	14.5	12.4	13.7	13.2	12.3	13.2	16.4	11.5	13.5
R11-1192	12.7	13.0	13.5	12.7	14.8	13.1	13.0	14.1	14.9	12.0	13.4
R11-1546	11.3	14.6	13.4	11.4	13.7	13.5	13.7	12.8	15.1	10.8	13.0
S11-16653	14.0	15.6	15.7	14.0	14.1	17.1	12.9	14.5	20.6	14.0	15.2
S11-20195	12.3	15.5	12.6	12.9	15.7	14.1	12.0	14.3	17.0	11.7	13.8
S12-2994M	14.7	17.7	16.7	15.5	17.6	17.3	14.1	15.3	21.0	14.3	16.4
S12-7449	13.8	16.0	14.7	12.9	13.8	14.8	14.6	13.3	17.4	11.8	14.3
S12-11150	14.6	14.3	14.7	12.1	15.5	15.1	13.1	13.9	17.3	13.2	14.4
S12-11165	13.9	15.4	14.5	12.2	13.2	14.8	15.0	14.3	18.6	13.1	14.5
TN12-5014	17.3	17.4	17.2	15.4	16.8	15.4	15.4	16.5	21.4	14.7	16.8
TN13-5503R2	13.5	13.7	14.9	13.2	14.1	13.6	12.8	14.8	12.9	13.6	13.7
TN13-5538RR1	13.8	15.2	13.8	13.7	13.7	15.3	13.6	15.2	17.6	12.2	14.4
TN13-5539RR1	12.1	15.0	13.8	13.6	14.8	13.7	13.8	13.4	18.0	12.2	14.0
V10-0262	13.0	15.8	14.3	13.2	15.7	13.8	13.5	14.6	18.9	12.9	14.6
V10-1687	14.0	15.9	15.8	13.2	14.2	13.8	12.9	14.2	20.3	11.1	14.5
V11-0536	13.9	15.7	14.9	12.5	13.8	13.2	12.9	13.4	17.2	11.6	13.9
Mean	13.1	14.9	14.8	12.9	14.6	14.4	13.2	14.0	17.2	12.3	.

**TABLE 51 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	10/6	.	10/21	10/4	10/31	10/27	10/4	9/21	9/28	10/11	10/10
Ellis	-5	.	0	-4	-3	-5	-2	0	2	-5	-2
JTN-5203	-5	.	0	-4	-2	1	-5	-3	1	-2	-2
AG 5332RR2Y	-3	.	4	-5	-3	-8	-7	-2	3	-8	-3
95Y70	10	.	1	1	5	3	6	1	3	9	5
AG 5534RR2	10	.	2	-2	-1	3	3	2	2	5	3
DA09x003-27-76	-5	.	.	-5	-3	-6	-2	-6	-2	-4	-4
DA09x003-45-182	6	.	3	-1	0	-5	3	2	1	1	1
DA09x004-30-136	-5	.	-10	-5	-3	-6	-4	-5	-5	-4	-5
K12-1028	0	.	-2	-3	-2	1	-1	-5	0	2	-1
K12-1039	-5	.	-10	-5	-3	-9	-6	-9	-2	-3	-5
K12-1099	-5	.	2	-4	-4	-9	-6	-9	0	-4	-4
K12-1353	6	.	0	-3	-1	0	0	1	2	-2	0
K12-1355	-3	.	1	-4	-2	3	-2	-3	0	2	-1
R07-6614RR	10	.	6	2	3	6	-8	6	3	9	4
R10-5086	10	.	3	2	5	5	2	2	0	5	4
R11-213RY	10	.	3	1	3	3	3	2	2	8	4
R11-927	-3	.	-3	-2	-3	0	-4	-3	1	-1	-2
R11-1192	13	.	3	2	4	0	2	2	1	7	4
R11-1546	5	.	-1	-2	-3	0	1	-3	0	-1	0
S11-16653	1	.	2	-1	-3	5	0	-3	0	-1	0
S11-20195	-5	.	1	-3	-3	0	-6	-4	0	-3	-3
S12-2994M	10	.	1	2	5	7	6	3	6	5	5
S12-7449	-7	.	-2	-6	-4	-9	-10	-12	-4	-11	-7
S12-11150	10	.	2	0	-1	6	4	6	0	6	4
S12-11165	10	.	2	0	-3	4	4	6	2	5	3
TN12-5014	5	.	2	-3	4	3	-3	-5	1	-2	0
TN13-5503R2	5	.	2	-2	3	2	0	0	2	6	2
TN13-5538RR1	-2	.	0	-2	-1	2	-2	-3	2	5	0
TN13-5539RR1	-5	.	0	-2	1	2	-5	-3	1	5	-1
V10-0262	-3	.	-3	-3	0	2	0	-6	0	3	-1
V10-1687	-5	.	1	-5	-3	-8	-18	-8	-4	-8	-6
V11-0536	-3	.	1	-4	-4	-7	-15	-7	-4	-4	-5
Mean	2	.	0	-2	-1	-1	-2	-2	0	1	.

**TABLE 52 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	29	24	32	25	26	28	25	25	22	34	27
Ellis	26	18	30	22	28	32	22	27	17	35	25
JTN-5203	27	20	30	25	29	29	23	24	20	36	26
AG 5332RR2Y	35	33	38	29	27	27	32	29	32	41	32
95Y70	37	31	42	39	39	39	40	29	37	44	38
AG 5534RR2	36	28	43	28	29	29	34	23	29	39	32
DA09x003-27-76	30	23	38	28	30	30	28	23	21	40	29
DA09x003-45-182	32	30	35	31	32	28	30	23	30	40	31
DA09x004-30-136	33	30	39	29	34	33	27	27	31	41	32
K12-1028	27	19	30	25	31	30	22	26	20	35	26
K12-1039	31	20	35	28	30	31	23	25	26	35	28
K12-1099	28	20	35	26	30	30	23	25	18	35	27
K12-1353	31	27	36	34	40	36	32	27	27	41	33
K12-1355	31	22	33	28	29	34	23	26	23	38	29
R07-6614RR	33	28	40	31	33	32	31	26	26	39	32
R10-5086	32	27	35	31	28	30	28	26	24	36	30
R11-213RY	37	24	40	33	31	33	29	24	28	41	32
R11-927	26	21	32	24	25	27	24	24	23	31	25
R11-1192	36	26	38	30	29	30	30	26	27	40	31
R11-1546	29	23	32	27	30	28	28	26	24	36	28
S11-16653	30	22	33	29	30	35	25	25	22	37	29
S11-20195	30	21	32	31	34	33	28	26	25	41	30
S12-2994M	29	24	35	30	28	30	26	26	27	36	29
S12-7449	35	34	36	30	27	28	27	31	29	36	31
S12-11150	31	25	36	27	36	34	29	28	25	40	31
S12-11165	31	31	38	28	35	35	30	27	24	40	32
TN12-5014	27	17	28	26	24	28	21	22	15	33	24
TN13-5503R2	34	27	37	29	30	33	32	21	24	40	30
TN13-5538RR1	32	22	46	29	31	35	25	25	21	39	30
TN13-5539RR1	38	25	38	28	34	35	30	26	21	39	31
V10-0262	35	25	36	28	33	28	26	29	23	37	30
V10-1687	29	17	24	24	24	29	21	24	17	32	24
V11-0536	30	23	39	31	32	32	26	26	21	35	29
Mean	31	24	35	28	30	31	27	26	24	37	.

**TABLE 53 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	1.5	1.0	2.0	1.5	1.0	1.0	1.0	2.0	1.0	1.4	1.3
Ellis	1.0	1.0	2.0	1.0	1.0	1.5	1.0	2.0	1.0	1.4	1.3
JTN-5203	1.0	1.0	1.8	1.0	1.0	1.0	1.0	2.0	1.0	1.7	1.2
AG 5332RR2Y	3.0	3.0	2.0	2.0	1.0	1.0	1.5	2.0	2.0	1.5	1.9
95Y70	3.5	3.0	2.3	3.0	2.0	1.5	2.0	2.0	3.0	2.3	2.5
AG 5534RR2	2.0	1.0	2.0	1.5	1.0	1.0	1.0	2.0	1.0	1.8	1.4
DA09x003-27-76	2.5	1.0	2.0	2.0	1.0	2.0	1.0	2.0	2.5	1.7	1.8
DA09x003-45-182	2.5	2.0	2.0	3.0	1.0	2.0	1.0	2.0	2.0	1.7	1.9
DA09x004-30-136	3.0	3.0	3.0	3.0	1.0	3.0	1.5	2.0	3.0	1.9	2.4
K12-1028	1.0	1.0	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.4	1.4
K12-1039	1.0	1.0	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.5	1.4
K12-1099	2.5	2.5	1.5	2.0	1.0	3.0	1.0	2.0	1.0	1.4	1.8
K12-1353	3.0	3.0	2.0	3.5	1.5	3.0	2.0	2.0	2.0	1.9	2.4
K12-1355	3.5	1.5	2.0	2.5	1.0	3.0	1.0	2.0	1.0	1.9	1.9
R07-6614RR	2.5	2.0	2.3	1.5	1.0	2.0	1.0	2.0	1.5	1.5	1.7
R10-5086	2.5	2.0	2.3	2.5	1.0	2.0	1.0	2.0	1.0	1.5	1.8
R11-213RY	3.0	1.5	2.3	2.5	1.0	2.0	1.0	2.0	1.0	1.5	1.8
R11-927	1.0	1.0	1.8	1.5	1.0	1.0	1.0	2.0	1.0	1.2	1.2
R11-1192	2.5	1.5	2.3	2.0	1.0	1.0	1.0	2.0	1.5	1.7	1.6
R11-1546	1.5	1.0	2.0	1.5	1.0	1.0	1.0	2.0	1.0	1.4	1.3
S11-16653	1.5	1.0	2.3	2.5	1.0	2.0	1.0	2.0	1.0	1.7	1.6
S11-20195	3.5	3.0	2.5	3.5	2.5	3.0	2.0	2.0	1.5	1.8	2.5
S12-2994M	3.0	2.0	2.3	2.5	1.0	2.0	1.0	2.0	2.0	1.5	1.9
S12-7449	3.5	4.5	2.0	2.0	1.0	1.0	1.5	2.0	2.5	1.5	2.1
S12-11150	1.5	2.0	2.5	1.5	1.0	1.5	1.0	2.0	1.5	1.9	1.6
S12-11165	2.5	1.5	2.5	3.0	1.0	1.5	1.0	2.0	1.5	2.2	1.9
TN12-5014	1.0	1.0	1.8	2.0	1.0	1.0	1.0	2.0	1.0	1.4	1.3
TN13-5503R2	1.5	2.0	2.0	2.0	1.0	1.5	1.0	2.0	2.0	1.5	1.6
TN13-5538RR1	1.5	1.0	2.0	1.5	1.0	1.0	1.0	2.0	1.0	1.4	1.3
TN13-5539RR1	2.5	1.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	1.5	1.4
V10-0262	2.0	1.5	2.3	2.5	1.0	1.0	1.0	2.0	1.5	1.4	1.6
V10-1687	1.0	3.0	1.5	2.0	1.0	1.0	1.5	2.0	1.0	1.5	1.5
V11-0536	2.0	3.0	2.0	2.0	1.5	3.0	1.0	2.0	1.5	1.8	2.0
Mean	2.2	1.8	2.1	2.1	1.1	1.7	1.2	2.0	1.5	1.6	.

**TABLE 54 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Jackson, TN</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Knoxville, TN</b>	<b>McCune, KS</b>	<b>Pittsburg, KS</b>	<b>Portageville, MO(B)</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Warsaw, VA</b>	<b>Test Mean</b>
OSAGE	2.0	1.5	.	1.5	2.0	1.0	2.0	2.0	1.0	1.7	1.7
Ellis	2.0	1.0	.	1.0	3.0	1.0	2.5	2.0	2.0	1.7	1.8
JTN-5203	2.0	2.0	.	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0
AG 5332RR2Y	2.5	2.0	.	3.0	3.0	2.0	4.0	2.0	2.0	1.9	2.5
95Y70	2.0	1.5	.	1.0	2.0	2.0	2.0	2.0	1.5	1.5	1.7
AG 5534RR2	2.0	1.5	.	2.0	3.0	1.0	2.0	2.0	1.5	1.2	1.8
DA09x003-27-76	2.0	1.5	.	2.0	3.0	1.0	2.5	2.0	2.0	1.7	2.0
DA09x003-45-182	2.0	1.5	.	1.0	3.0	1.0	2.0	2.0	1.5	1.5	1.7
DA09x004-30-136	2.5	2.0	.	2.0	3.0	2.0	2.0	2.0	2.0	1.7	2.1
K12-1028	2.0	1.5	.	1.0	3.0	1.0	2.0	2.0	1.5	1.5	1.7
K12-1039	2.0	1.5	.	2.0	3.0	2.0	2.0	2.0	1.5	1.5	1.9
K12-1099	2.0	1.5	.	2.0	3.0	2.0	2.5	2.0	2.0	1.9	2.1
K12-1353	2.5	2.0	.	2.0	3.0	1.0	1.5	2.0	1.5	1.5	1.9
K12-1355	2.5	1.5	.	1.5	2.0	2.0	2.0	2.0	1.5	1.5	1.8
R07-6614RR	2.0	1.5	.	2.0	3.0	1.0	2.0	2.0	1.5	1.5	1.8
R10-5086	2.0	1.5	.	2.0	2.0	1.0	2.0	2.0	1.5	1.5	1.8
R11-213RY	2.0	2.0	.	1.5	2.0	2.0	3.0	2.0	1.5	1.4	1.9
R11-927	1.5	1.5	.	1.0	3.0	2.0	2.5	2.0	1.5	1.2	1.8
R11-1192	2.0	2.0	.	1.0	3.0	2.0	2.0	2.0	2.0	1.5	1.9
R11-1546	2.0	1.5	.	1.0	3.0	2.0	2.0	2.0	1.5	1.4	1.8
S11-16653	2.0	1.5	.	1.5	2.0	3.0	2.0	2.0	1.5	1.8	1.9
S11-20195	2.0	2.0	.	2.0	3.0	2.0	2.0	2.0	2.0	1.9	2.1
S12-2994M	3.0	2.0	.	2.0	3.0	2.0	2.5	2.0	2.0	1.5	2.2
S12-7449	2.0	2.5	.	2.5	3.0	3.0	2.5	2.0	2.5	1.7	2.4
S12-11150	2.0	1.5	.	1.0	2.0	2.0	2.0	2.0	1.5	1.5	1.7
S12-11165	2.0	1.0	.	2.0	2.0	2.0	2.5	2.0	2.0	1.5	1.9
TN12-5014	2.0	2.5	.	1.5	2.0	1.0	2.0	2.0	1.0	1.7	1.8
TN13-5503R2	2.5	2.0	.	2.5	3.0	3.0	2.5	2.0	2.0	1.5	2.3
TN13-5538RR1	2.0	1.5	.	1.5	3.0	3.0	2.0	2.0	1.0	1.5	1.9
TN13-5539RR1	2.0	1.5	.	1.5	2.0	2.0	2.0	2.0	1.5	1.5	1.8
V10-0262	2.0	2.0	.	1.0	3.0	2.0	2.5	2.0	1.5	1.7	1.9
V10-1687	2.5	2.5	.	1.5	3.0	2.0	1.5	2.0	1.5	1.7	2.0
V11-0536	2.0	2.0	.	2.0	3.0	2.0	2.0	2.0	1.5	1.5	2.0
Mean	2.1	1.7	.	1.7	2.7	1.8	2.2	2.0	1.7	1.6	.



**TABLE 55 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	DILLON	Centennial x Young		
2	NCC07-8138	MD99-6226X(N97-9677)		Diversity
3	NC-ROY	Holladay X Brim		
4	NCC06-1090	N99-8137 X TN99-117		Diversity/12.5% PI 416937
5	AG6534	Commercial check		
6	G10-3429 RR	N02-219 X G03-1668-RR	F6d	
7	N09-9	N02-70XG98-1420		
8	N09-12273	NC-ROYxBLUE SIDE-BB	F4	Diversity/50% Blue Side
9	N09-12838	N7103xPI 408337-BB	F4	Diversity/50% PI 408337
10	N09-12854	N7103xPI 408337-BB	F4	Diversity/50% PI 408337
11	N09-12980	NC-ROYxPI399044-BB	F4	Diversity/50% PI399044-BB
12	N10-7121	NC-ROY X 398833-BB	F4	Diversity/50% PI 398833
13	N10-7143	NC-ROY X 398976-BB	F4	Diversity/50% PI 398976
14	N10-7189	NC-ROY X PI 408337-BB	F4	Diversity/50% PI 408337
15	N10-7277	N03-11936 X NC-ROY	F4	Diversity/25% PI 471931
16	N11-9298	N03-12249 xN03-11895	F4	Diversity/50% Chinese PI 437726
17	NCC09-135			
18	R09-1822	UA 4805 x R01-4747RR	F4	
19	R09-4798	V00-3650 x FG-5	F5	
20	R10-4892	5002T x R01-3474F	F4	
21	R11-1057	MD00-6015 x R02-3065	F5	
22	R11-2419	R01-976 x NCC02-307	F5	
23	TN08-100	5601T x PI417088		
24	TN09-44,420	TN02-226 x MON RR2Y		
25	TN09-48,012	TN02-226 x MON RR2Y		
26	TN11-5140	HUTCHESON x TN89-39		
27	TN12-6509	TN02-226 x MON RR2Y		

**TABLE 56 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VI FOR YEAR 2014**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2014	13-14	12-14	2014	13-14	12-14	2014	13-14	12-14
DILLON	21	16	54.1	53.9	52.6	42.6	42.3	42.1	22.2	22.4	22.3
NCC07-8138	1	6	62.2	62.6	61.4	40.1	40.1	39.8	22.8	22.8	22.8
NC-ROY	16	13	55.5	56.2	54.6	42.6	42.1	42.1	21.2	21.4	21.3
NCC06-1090	4	11	59.7	59.7	58.4	39.4	39.7	39.4	23.5	23.4	23.4
AG6534	15	13	55.6	.	.	42.1	.	.	22.1	.	.
G10-3429 RR	13	13	55.9	.	.	41.0	.	.	23.6	.	.
N09-9	3	9	60.2	.	.	39.4	.	.	23.2	.	.
N09-12273	20	16	54.1	.	.	40.8	.	.	23.3	.	.
N09-12838	26	23	47.8	.	.	43.2	.	.	20.7	.	.
N09-12854	27	23	47.7	.	.	41.6	.	.	21.3	.	.
N09-12980	25	23	48.3	.	.	42.0	.	.	20.6	.	.
N10-7121	12	13	56.0	55.8	.	42.6	42.3	.	21.3	21.5	.
N10-7143	18	14	55.0	55.1	.	41.9	41.7	.	21.6	21.7	.
N10-7189	19	14	54.5	.	.	42.2	.	.	21.4	.	.
N10-7277	24	20	49.7	.	.	41.8	.	.	21.3	.	.
N11-9298	22	17	52.8	.	.	39.5	.	.	24.3	.	.
NCC09-135	10	11	57.1	59.7	.	40.7	40.9	.	22.7	22.8	.
R09-1822	9	11	57.9	59.2	.	40.9	41.2	.	22.3	22.3	.
R09-4798	8	10	58.3	.	.	41.8	.	.	23.2	.	.
R10-4892	17	16	55.1	.	.	40.2	.	.	23.6	.	.
R11-1057	5	11	59.2	.	.	41.1	.	.	22.7	.	.
R11-2419	6	11	58.6	.	.	40.5	.	.	22.7	.	.
TN08-100	7	11	58.5	58.8	.	41.5	41.2	.	22.7	22.9	.
TN09-44,420	14	14	55.6	57.4	.	39.9	39.7	.	22.1	22.3	.
TN09-48,012	11	13	57.0	.	.	41.4	.	.	22.3	.	.
TN11-5140	2	9	60.6	.	.	41.0	.	.	22.7	.	.
TN12-6509	23	17	52.0	.	.	42.4	.	.	21.3	.	.
Mean	.	.	55.5	.	.	41.3	.	.	22.3	.	.
LSD(0.05)	.	.	5.6	.	.	0.8	.	.	0.4	.	.
CV(%)	.	.	14.2	.	.	2.1	.	.	2.2	.	.

‡Data not included in mean: 2014 – Fairhope, AL; Florence, GA; Tallassee, AL (A).  
2013 – Tallassee, AL (A)  
2012 – Tifton, GA

**TABLE 57 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>MAT. INDEX</b>	<b>LODGING</b>	<b>HEIGHT</b>	<b>SEED QUALITY</b>	<b>SEED SIZE</b>	<b>FL. COLOR</b>	<b>PUB. COLOR</b>	<b>POD COLOR</b>
DILLON	0	1.8	36	1.5	16.1	P	G	
NCC07-8138	-3	1.5	27	1.6	17.7	P	G	
NC-ROY	2	2.3	35	1.6	13.7	W	G	
NCC06-1090	1	1.8	32	1.6	18.4	P	G	BR
AG6534	2	1.4	31	1.6	14.6	P	T	
G10-3429 RR	-2	1.7	33	1.6	17.1	P	T	T
N09-9	1	2.0	32	1.6	14.5	W	T	
N09-12273	0	2.1	31	1.8	18.0	P	G	
N09-12838	1	2.1	39	1.6	13.9	W	T	
N09-12854	0	1.6	30	1.5	14.0	W	G	
N09-12980	-2	1.8	32	1.6	13.7	W	T	
N10-7121	2	2.2	34	1.6	14.5	W	G	
N10-7143	2	2.1	35	1.6	14.4	W	G	
N10-7189	2	2.3	34	1.7	14.2	W	G	
N10-7277	1	2.1	31	1.4	12.1	W	G	
N11-9298	0	1.5	32	1.6	16.4	P	G	
NCC09-135	1	1.5	26	1.8	15.3	P	G	
R09-1822	-6	1.7	29	1.8	13.6	P	G	BR
R09-4798	-4	1.5	35	1.7	15.6	W	G	T
R10-4892	-2	1.5	30	1.8	13.4	W	G	T
R11-1057	-7	1.4	29	1.5	16.2	P	T	T
R11-2419	-5	1.4	30	1.6	16.2	W	G	T
TN08-100	-6	1.4	30	1.9	17.1	W	G	
TN09-44,420	-1	1.8	32	1.5	13.9	P	LT	
TN09-48,012	-1	1.3	29	1.6	14.7	P	LT	
TN11-5140	-1	1.6	33	1.5	15.9	W	G	
TN12-6509	1	1.7	34	1.6	16.1	P	T	
Mean	-1	1.7	32	1.6	15.2			
LSD(0.05)	2	0.3	2	0.2	0.8			
CV(%)	334	31.0	10	21.0	6.1			

**TABLE 58 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>SCN HG TYPE</b>	<b>SCN HG TYPE</b>	<b>SCN HG TYPE</b>	<b>PRK GA</b>	<b>SRK GA</b>	<b>SC RATING</b>	<b>SC SCORE</b>	<b>SDS DX</b>
	<b>2.5.7 Race 1</b>	<b>0 Race 3</b>	<b>2.5.7 Race 5</b>					
DILLON	5	5	5	5.0	1.0	.	.	.
NCC07-8138	5	5	5		4.0	.	.	.
NC-ROY	5	5	5	5.0	5.0	.	.	.
NCC06-1090	5	5	5	5.0	4.8	.	.	.
AG6534	5	5	5	5.0	2.0	.	.	.
G10-3429 RR	1	1	3	5.0	1.0	.	.	.
N09-9	4	1	5	5.0	2.0	.	.	.
N09-12273	5	4	5	5.0	4.3	.	.	.
N09-12838	5	5	5	5.0	4.8	.	.	.
N09-12854	5	5	5	5.0	4.8	.	.	.
N09-12980	5	5	5	5.0	4.8	.	.	.
N10-7121	5	5	4	5.0	2.5	.	.	.
N10-7143	5	5	4	5.0	4.0	.	.	.
N10-7189	4	5	3	5.0	5.0	.	.	.
N10-7277	5	4	5	4.5	5.0	.	.	.
N11-9298	4	5	5	4.3	5.0	.	.	.
NCC09-135	5	5	3	5.0	5.0	.	.	.
R09-1822	4	4	3	4.8	4.5	.	.	.
R09-4798	3	4	4	4.8	4.5	.	.	.
R10-4892	5	5	4	5.0	5.0	.	.	.
R11-1057	5	4	5	5.0	3.8	.	.	.
R11-2419	4	5	5	5.0	5.0	.	.	.
TN08-100	5	5	5	5.0	5.0	.	.	.
TN09-44,420	3	3	2	5.0	4.5	.	.	.
TN09-48,012	5	5	4	4.8	5.0	.	.	.
TN11-5140	5	5	5	5.0	1.0	.	.	.
TN12-6509	3	2	2	5.0	5.0	.	.	.

**TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
DILLON	69.0	52.8	70.7	64.2
NCC07-8138	73.9	73.2	72.9	73.3
NC-ROY	68.3	41.8	79.3	63.1
NCC06-1090	70.7	71.9	66.5	69.8
AG6534	67.5	48.3	67.4	61.1
G10-3429 RR	75.7	60.0	69.9	68.5
N09-9	69.7	63.1	78.2	70.3
N09-12273	66.4	47.9	70.5	61.6
N09-12838	60.6	38.2	70.4	56.4
N09-12854	59.2	40.1	59.1	52.8
N09-12980	57.5	43.6	63.3	54.8
N10-7121	73.0	51.6	76.0	66.8
N10-7143	67.1	43.9	85.0	65.4
N10-7189	70.0	42.2	77.6	63.3
N10-7277	62.7	30.7	70.0	54.4
N11-9298	69.4	50.6	65.3	61.7
NCC09-135	66.8	60.4	77.5	68.2
R09-1822	64.9	55.2	68.6	62.9
R09-4798	72.8	54.0	71.3	66.0
R10-4892	71.0	72.0	66.0	69.7
R11-1057	81.7	69.2	67.1	72.7
R11-2419	73.4	75.0	64.5	71.0
TN08-100	73.8	72.2	63.0	69.7
TN09-44,420	63.0	64.1	69.6	65.6
TN09-48,012	66.6	57.2	63.4	62.4
TN11-5140	75.6	58.6	72.1	68.8
TN12-6509	61.2	36.5	69.0	55.6
Mean	68.6	54.6	70.1	64.4
LSD(0.05)	9.0	8.9	8.6	13.1
CV(%)	7.8	9.9	7.5	14.1

**TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
DILLON	42.3	42.3
NCC07-8138	44.9	44.9
NC-ROY	45.1	45.1
NCC06-1090	37.8	37.8
AG6534	47.2	47.2
G10-3429 RR	45.0	45.0
N09-9	41.8	41.8
N09-12273	51.8	51.8
N09-12838	37.7	37.7
N09-12854	37.6	37.6
N09-12980	37.3	37.3
N10-7121	42.3	42.3
N10-7143	44.9	44.9
N10-7189	47.7	47.7
N10-7277	39.1	39.1
N11-9298	41.0	41.0
NCC09-135	50.3	50.3
R09-1822	50.0	49.9
R09-4798	44.0	44.0
R10-4892	39.9	40.4
R11-1057	39.4	39.4
R11-2419	43.8	43.8
TN08-100	40.6	40.6
TN09-44,420	40.9	40.9
TN09-48,012	39.7	39.7
TN11-5140	38.4	38.4
TN12-6509	43.1	43.1
Mean	42.7	42.7
LSD(0.05)	10.1	10.1
CV(%)	14.1	14.1

**TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, ‡ AL</b>	<b>Florence, ‡ SC</b>	<b>Tallassee, ‡ AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
DILLON	35.2	39.5	57.2	46.4	51.7	35.7	57.9	70.4	49.8
NCC07-8138	36.2	52.2	74.5	52.6	57.2	44.5	52.1	73.9	57.9
NC-ROY	30.2	39.9	65.9	53.9	61.1	42.7	59.7	67.8	51.5
NCC06-1090	36.8	49.3	68.6	45.5	56.7	28.8	63.4	76.5	55.3
AG6534	37.4	35.3	62.9	58.7	57.5	53.9	71.5	63.6	51.6
G10-3429 RR	34.9	45.3	57.5	45.3	60.3	48.8	60.0	74.4	51.5
N09-9	39.5	44.6	77.2	49.1	66.4	47.7	70.0	70.4	56.1
N09-12273	32.6	36.7	62.3	51.7	64.0	42.4	59.6	62.9	49.2
N09-12838	26.1	33.6	53.2	42.9	57.3	36.8	49.6	58.9	42.9
N09-12854	29.2	37.6	67.0	41.4	52.3	41.6	47.9	55.1	46.1
N09-12980	31.1	32.5	62.6	37.4	57.9	38.9	48.8	60.4	44.8
N10-7121	30.2	38.5	64.5	52.8	62.7	45.1	48.0	69.3	51.1
N10-7143	24.4	38.1	73.1	43.6	59.6	42.1	50.6	71.8	50.2
N10-7189	28.6	39.6	64.8	48.0	63.9	48.3	55.6	66.8	49.5
N10-7277	31.5	43.0	55.1	47.3	60.2	45.3	56.1	61.8	47.7
N11-9298	33.6	40.0	58.6	50.8	43.6	39.7	30.6	66.3	49.9
NCC09-135	34.9	54.4	63.9	59.4	56.8	38.4	42.9	68.4	56.2
R09-1822	35.6	51.7	64.1	41.6	53.7	33.1	59.5	77.5	54.1
R09-4798	44.8	53.2	62.0	51.7	50.2	49.9	31.6	72.3	56.8
R10-4892	35.3	51.9	59.5	51.0	45.3	28.8	53.1	57.9	51.1
R11-1057	31.2	51.8	71.9	55.7	58.8	36.8	59.5	64.2	55.0
R11-2419	45.2	49.9	64.6	48.6	51.0	52.3	36.6	72.3	56.1
TN08-100	37.9	55.8	61.7	51.9	39.7	38.7	55.5	76.1	56.7
TN09-44,420	41.5	36.8	67.3	42.7	50.4	51.2	37.1	76.3	52.9
TN09-48,012	33.2	48.3	67.8	58.3	51.2	45.1	7.9	72.5	56.0
TN11-5140	35.5	48.9	71.5	60.3	62.1	54.9	59.1	70.5	57.4
TN12-6509	39.5	31.8	61.2	49.9	50.9	41.9	‡	76.4	51.8
Mean	34.5	43.7	64.5	49.6	55.6	42.7	49.2	68.7	52.2
LSD(0.05)	6.8	6.4	9.7	8.0	14.7	13.4	16.0	11.9	6.6
CV(%)	12.0	8.9	9.2	9.9	15.8	18.9	19.8	10.6	13.1

‡Data not included in mean.

**TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
DILLON	57.2	57.2
NCC07-8138	67.8	67.8
NC-ROY	62.4	62.4
NCC06-1090	73.1	73.1
AG6534	67.2	67.2
G10-3429 RR	50.4	50.4
N09-9	68.0	68.0
N09-12273	58.0	58.0
N09-12838	56.0	56.0
N09-12854	50.4	50.4
N09-12980	57.7	57.7
N10-7121	61.6	61.6
N10-7143	58.3	58.3
N10-7189	60.1	60.1
N10-7277	55.9	55.9
N11-9298	52.9	52.9
NCC09-135	35.4	35.4
R09-1822	70.0	70.0
R09-4798	56.7	56.7
R10-4892	46.7	46.7
R11-1057	59.7	59.7
R11-2419	49.2	49.2
TN08-100	52.1	52.1
TN09-44,420	53.5	53.5
TN09-48,012	62.7	62.7
TN11-5140	74.5	74.5
TN12-6509	51.0	51.0
Mean	58.1	58.1
LSD(0.05)	13.8	13.8
CV(%)	14.5	14.5



**TABLE 60 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Stoneville, MS</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	22.8	22.9	21.9	22.3	22.5	21.3	20.7	22.9	22.3	22.2
NCC07-8138	23.3	23.0	22.0	23.0	22.8	22.1	22.3	23.2	23.6	22.8
NC-ROY	21.5	21.3	21.0	21.7	21.4	20.0	20.2	22.0	21.5	21.2
NCC06-1090	23.5	24.3	23.0	23.9	24.1	23.2	22.2	23.2	23.7	23.5
AG6534	22.6	22.6	21.4	22.8	22.3	21.4	20.4	22.7	22.3	22.1
G10-3429 RR	23.4	23.7	22.7	24.1	24.0	23.3	22.4	24.6	24.2	23.6
N09-9	23.6	22.6	22.7	24.4	23.6	22.6	22.2	23.2	24.3	23.2
N09-12273	23.9	24.3	23.2	23.6	23.5	23.2	21.7	22.7	23.8	23.3
N09-12838	20.9	21.0	20.3	21.6	21.1	19.2	19.9	21.1	21.4	20.7
N09-12854	21.5	20.9	20.5	22.4	21.2	20.5	20.5	21.7	22.1	21.3
N09-12980	21.1	20.4	19.5	21.6	20.9	20.3	19.2	20.8	21.3	20.6
N10-7121	21.9	21.5	20.9	21.8	21.5	20.0	20.5	22.5	21.4	21.3
N10-7143	21.3	21.7	21.0	21.7	21.1	20.5	21.3	24.2	21.5	21.6
N10-7189	22.0	21.5	21.6	21.9	21.0	20.2	20.7	22.2	21.5	21.4
N10-7277	21.9	21.1	20.8	22.4	21.1	19.8	20.6	22.1	21.7	21.3
N11-9298	24.8	24.9	23.4	24.7	24.6	23.5	23.1	24.5	24.8	24.3
NCC09-135	23.5	22.3	22.3	23.0	23.1	22.2	21.8	22.2	23.8	22.7
R09-1822	22.8	22.6	22.1	22.6	22.7	21.6	21.6	22.5	22.2	22.3
R09-4798	23.7	22.6	22.4	24.1	24.1	23.0	22.9	22.5	23.5	23.2
R10-4892	23.9	23.9	23.2	24.2	24.4	23.4	22.4	23.5	23.9	23.6
R11-1057	23.6	22.3	22.7	23.5	23.2	22.3	20.6	23.3	22.9	22.7
R11-2419	23.0	22.6	21.8	22.7	22.8	21.4	21.9	24.8	23.0	22.7
TN08-100	24.0	23.0	21.4	23.3	23.3	21.9	21.2	22.9	22.9	22.7
TN09-44,420	23.3	22.5	21.7	22.7	22.4	21.7	21.2	21.6	22.0	22.1
TN09-48,012	22.9	22.3	21.9	23.3	22.3	21.1	22.0	22.5	22.2	22.3
TN11-5140	23.5	24.4	22.0	23.1	22.9	21.6	21.2	22.9	23.0	22.7
TN12-6509	21.4	20.8	21.6	22.4	22.3	20.0	20.6	21.8	21.2	21.3
Mean	22.8	22.5	21.8	22.9	22.6	21.5	21.3	22.7	22.7	.

**TABLE 61 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Stoneville, MS</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	41.5	40.4	42.6	44.0	42.7	42.2	44.5	41.8	43.9	42.6
NCC07-8138	40.2	38.5	41.5	39.6	39.3	40.7	40.1	41.1	40.2	40.1
NC-ROY	42.4	41.4	42.6	42.6	41.8	43.8	44.2	41.5	43.0	42.6
NCC06-1090	39.8	38.8	39.6	38.9	38.4	39.5	40.4	39.6	39.7	39.4
AG6534	41.9	39.7	43.0	41.8	41.3	42.4	44.4	41.8	42.8	42.1
G10-3429 RR	41.7	41.0	42.1	40.8	39.8	40.3	42.9	40.0	40.4	41.0
N09-9	38.1	39.7	39.7	38.6	39.1	39.7	40.9	39.8	38.8	39.4
N09-12273	40.6	39.6	40.4	40.0	40.5	40.8	43.4	40.6	40.9	40.8
N09-12838	43.3	42.0	43.5	43.8	42.4	44.2	44.9	42.2	42.2	43.2
N09-12854	40.9	41.0	42.6	41.1	41.8	41.5	43.4	41.4	41.1	41.6
N09-12980	41.6	41.9	43.2	42.1	40.8	40.7	44.5	41.7	41.5	42.0
N10-7121	41.5	41.7	43.0	43.1	42.2	43.6	44.3	40.6	43.4	42.6
N10-7143	42.3	41.1	42.7	42.7	42.2	43.1	42.2	38.3	42.7	41.9
N10-7189	41.4	41.9	41.6	42.3	42.9	43.1	42.8	41.0	42.8	42.2
N10-7277	41.1	41.9	42.3	41.1	42.3	43.1	42.5	40.6	41.3	41.8
N11-9298	38.9	37.3	40.9	38.6	39.4	40.8	41.5	38.8	39.6	39.5
NCC09-135	39.3	40.2	41.2	40.0	40.0	42.6	42.4	39.7	41.1	40.7
R09-1822	39.9	40.1	41.7	41.6	40.7	40.3	40.3	40.2	42.9	40.9
R09-4798	40.5	41.7	43.5	41.9	42.0	41.6	42.4	39.3	43.1	41.8
R10-4892	39.5	38.6	41.6	40.7	39.9	38.4	42.0	39.4	41.3	40.2
R11-1057	40.7	40.8	41.9	39.9	40.8	40.7	43.9	39.1	42.0	41.1
R11-2419	40.9	39.5	42.2	40.4	39.9	40.8	40.7	39.4	40.6	40.5
TN08-100	39.9	40.7	43.3	40.7	40.3	42.1	43.8	41.0	41.8	41.5
TN09-44,420	38.2	38.6	39.5	39.8	39.2	39.4	40.7	42.0	41.7	39.9
TN09-48,012	41.4	42.1	41.6	40.5	41.5	41.7	41.2	40.7	41.7	41.4
TN11-5140	40.4	37.7	42.1	41.0	40.7	42.2	43.2	40.2	41.9	41.0
TN12-6509	42.3	43.4	41.0	41.8	41.5	42.9	42.8	42.0	43.6	42.4
Mean	40.7	40.4	41.9	41.1	40.9	41.6	42.6	40.5	41.7	.

**TABLE 62 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Bossier City, LA</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Test Mean</b>
DILLON	16.3	14.0	16.4	17.7	.	20.0	16.6	14.7	15.2	12.0	17.3	16.1	16.6	16.1
NCC07-8138	19.4	14.4	17.4	20.7	.	19.9	18.3	17.4	16.1	12.6	20.5	17.1	18.8	17.7
NC-ROY	13.6	11.0	15.3	15.1	.	16.6	13.9	12.9	12.8	10.3	15.6	13.1	14.2	13.7
NCC06-1090	18.6	15.4	19.9	21.2	.	20.5	16.4	19.2	16.6	13.5	21.0	19.0	19.8	18.4
AG6534	14.8	9.7	16.5	16.5	.	16.0	14.8	13.4	14.3	13.3	15.8	15.0	14.5	14.6
G10-3429 RR	16.8	14.7	18.4	19.6	.	19.3	17.6	14.9	16.4	16.0	17.9	16.2	17.4	17.1
N09-9	13.7	11.6	16.9	17.3	.	17.6	14.8	12.5	13.0	11.6	15.4	14.3	15.1	14.5
N09-12273	17.8	14.7	18.6	21.8	.	21.0	18.6	18.4	18.2	11.9	20.1	18.9	15.8	18.0
N09-12838	13.5	12.3	15.0	15.9	.	17.5	13.7	12.3	13.3	11.0	15.5	12.7	14.2	13.9
N09-12854	13.0	12.2	15.3	16.6	.	17.5	14.0	13.6	12.9	11.2	14.6	13.5	13.7	14.0
N09-12980	13.3	9.8	16.1	15.8	.	17.3	12.9	13.0	12.6	12.5	15.2	12.4	13.1	13.7
N10-7121	14.2	12.0	16.5	16.3	.	18.0	13.8	13.5	13.7	11.1	16.1	13.3	15.3	14.5
N10-7143	13.8	11.7	16.8	15.7	.	17.0	14.1	13.0	13.7	13.9	15.6	12.6	14.5	14.4
N10-7189	13.8	11.4	16.9	15.5	.	17.7	13.7	13.8	12.7	11.8	15.9	13.1	14.1	14.2
N10-7277	11.5	10.7	15.3	12.8	.	14.7	14.3	11.1	10.7	9.4	12.9	10.8	11.4	12.1
N11-9298	16.4	12.8	17.8	17.4	.	18.1	16.9	16.7	15.7	13.1	19.3	15.7	17.4	16.4
NCC09-135	13.9	12.4	18.8	16.2	.	17.8	14.0	15.5	14.0	12.2	17.3	14.1	16.9	15.3
R09-1822	12.8	12.2	14.4	15.5	.	15.5	13.4	12.8	11.5	11.7	14.7	14.2	14.0	13.6
R09-4798	15.0	12.8	18.5	16.3	.	17.3	16.1	15.3	14.6	14.2	16.4	14.1	16.3	15.6
R10-4892	13.2	11.5	17.2	14.0	.	14.4	13.7	11.9	12.0	12.6	14.2	12.7	13.5	13.4
R11-1057	16.5	12.4	17.9	19.1	.	18.6	15.6	15.0	15.0	13.0	17.4	16.7	16.8	16.2
R11-2419	18.3	13.4	16.6	18.0	.	18.7	17.2	15.3	15.2	11.8	17.6	15.4	17.0	16.2
TN08-100	17.6	13.6	18.3	18.4	.	19.3	16.2	17.9	15.4	14.1	18.3	18.0	18.0	17.1
TN09-44,420	13.5	11.5	15.2	15.5	.	15.5	14.0	13.5	12.8	13.3	15.3	12.8	14.3	13.9
TN09-48,012	15.8	13.1	16.3	16.6	.	17.0	15.1	13.9	14.3	11.2	16.1	11.0	15.5	14.7
TN11-5140	16.1	12.8	18.3	17.8	.	19.4	16.3	14.6	14.8	11.6	16.9	16.2	16.0	15.9
TN12-6509	16.4	12.9	16.6	17.0	.	19.2	17.7	16.2	15.2	12.1	19.6	13.0	17.9	16.1
Mean	15.2	12.5	16.9	17.0	.	17.8	15.3	14.5	14.2	12.3	16.8	14.5	15.6	.

**TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
DILLON	9/28	10/10	10/4
NCC07-8138	-5	-5	-5
NC-ROY	2	6	4
NCC06-1090	0	5	2
AG6534	-4	9	2
G10-3429 RR	-4	-4	-4
N09-9	0	2	1
N09-12273	0	5	3
N09-12838	6	-3	1
N09-12854	3	1	2
N09-12980	-2	0	-1
N10-7121	1	4	3
N10-7143	2	6	4
N10-7189	2	5	3
N10-7277	-3	5	1
N11-9298	-4	3	0
NCC09-135	0	5	3
R09-1822	-4	-9	-7
R09-4798	-4	-9	-6
R10-4892	-4	-9	-6
R11-1057	-4	-11	-8
R11-2419	-4	-10	-7
TN08-100	-4	-11	-7
TN09-44,420	-3	3	0
TN09-48,012	-4	3	0
TN11-5140	-4	-1	-2
TN12-6509	-2	5	2
Mean	-2	0	-1

**TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
DILLON	10/27	10/27
NCC07-8138	-4	-4
NC-ROY	-4	-4
NCC06-1090	-1	-1
AG6534	-4	-4
G10-3429 RR	-4	-4
N09-9	-2	-1
N09-12273	-3	-3
N09-12838	-4	-4
N09-12854	-4	-4
N09-12980	-6	-6
N10-7121	-4	-4
N10-7143	-3	-3
N10-7189	-4	-4
N10-7277	-3	-3
N11-9298	-2	-2
NCC09-135	-4	-4
R09-1822	-9	-9
R09-4798	-7	-8
R10-4892	-6	-6
R11-1057	-6	-6
R11-2419	-7	-6
TN08-100	-8	-8
TN09-44,420	-4	-3
TN09-48,012	-1	-1
TN11-5140	-3	-2
TN12-6509	-2	-3
Mean	-4	-4

**TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
DILLON	10/10	10/2	10/14	10/19	10/16	10/18	10/3	10/7	10/11
NCC07-8138	-3	-2	-1	-1	-4	-4	-4	0	-2
NC-ROY	6	1	0	-2	4	0	3	3	2
NCC06-1090	-1	-3	6	-3	0	-1	1	4	0
AG6534	4	3	0	2	2	-1	3	1	2
G10-3429 RR	0	-2	-1	-1	-1	-3	-1	2	-1
N09-9	2	-1	-1	2	2	0	1	1	1
N09-12273	1	0	1	-2	3	-2	2	-2	0
N09-12838	5	3	-1	-1	3	-1	0	3	2
N09-12854	4	2	1	-3	1	-5	0	-2	0
N09-12980	0	-1	-3	-5	-1	-6	1	-3	-2
N10-7121	3	2	4	-1	5	-1	3	7	3
N10-7143	6	3	1	-2	3	0	3	4	2
N10-7189	4	2	2	-2	5	-5	3	6	2
N10-7277	5	1	1	-1	2	-4	2	-1	1
N11-9298	1	-1	0	0	-1	-2	1	4	0
NCC09-135	0	0	-1	-4	2	-1	2	3	0
R09-1822	-3	-4	-5	-7	-7	-6	-8	-6	-6
R09-4798	-4	-2	-5	-2	-3	-4	1	-4	-3
R10-4892	-5	-4	1	-6	3	-3	3	1	-1
R11-1057	-7	-12	-5	-4	-7	-15	-5	-9	-8
R11-2419	-4	-3	4	-4	-5	-9	-4	-6	-4
TN08-100	-4	-11	-2	-3	-8	-9	-7	-5	-6
TN09-44,420	-3	-3	3	0	-3	-2	-2	0	-1
TN09-48,012	-1	-3	1	1	-3	-1	-1	-1	-1
TN11-5140	1	-1	4	2	-1	-5	0	-2	0
TN12-6509	1	1	0	2	1	1	0	1	1
Mean	0	-1	0	-2	0	-3	0	0	-1

**TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
DILLON	10/8	10/8
NCC07-8138	-2	-2
NC-ROY	5	5
NCC06-1090	1	1
AG6534	4	4
G10-3429 RR	1	1
N09-9	1	1
N09-12273	0	0
N09-12838	5	5
N09-12854	-1	-1
N09-12980	-1	-1
N10-7121	5	5
N10-7143	5	5
N10-7189	5	5
N10-7277	3	3
N11-9298	0	0
NCC09-135	4	4
R09-1822	-4	-4
R09-4798	-2	-2
R10-4892	0	0
R11-1057	-2	-2
R11-2419	-4	-4
TN08-100	-4	-4
TN09-44,420	0	0
TN09-48,012	-1	-1
TN11-5140	-3	-3
TN12-6509	1	1
Mean	1	1

**TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
DILLON	30	37	38	35
NCC07-8138	25	30	25	27
NC-ROY	30	34	33	32
NCC06-1090	29	35	26	30
AG6534	31	32	27	30
G10-3429 RR	30	38	29	32
N09-9	28	33	29	30
N09-12273	26	31	26	28
N09-12838	35	44	39	39
N09-12854	27	29	26	27
N09-12980	27	28	28	28
N10-7121	31	30	34	32
N10-7143	33	30	34	32
N10-7189	30	31	33	31
N10-7277	31	28	28	29
N11-9298	28	30	29	29
NCC09-135	22	26	23	24
R09-1822	27	31	26	28
R09-4798	33	41	31	35
R10-4892	27	33	25	28
R11-1057	26	29	23	26
R11-2419	27	29	24	27
TN08-100	25	33	28	29
TN09-44,420	26	34	27	29
TN09-48,012	25	28	23	25
TN11-5140	29	37	28	32
TN12-6509	30	39	28	32
Mean	28	33	29	.



**TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
DILLON	40	40
NCC07-8138	30	30
NC-ROY	40	40
NCC06-1090	39	39
AG6534	35	35
G10-3429 RR	36	36
N09-9	40	40
N09-12273	38	38
N09-12838	42	42
N09-12854	32	32
N09-12980	38	38
N10-7121	38	38
N10-7143	39	39
N10-7189	40	40
N10-7277	30	30
N11-9298	41	41
NCC09-135	33	33
R09-1822	27	27
R09-4798	36	36
R10-4892	35	35
R11-1057	36	36
R11-2419	36	36
TN08-100	36	36
TN09-44,420	40	40
TN09-48,012	36	36
TN11-5140	40	40
TN12-6509	39	39
Mean	37	.

**TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
DILLON	34	47	43	37	32	27	34	41	37
NCC07-8138	23	36	33	34	22	18	23	29	27
NC-ROY	34	43	43	33	31	30	35	38	36
NCC06-1090	27	39	40	33	23	23	30	35	32
AG6534	28	39	39	37	24	25	30	31	32
G10-3429 RR	31	41	46	33	29	25	36	34	35
N09-9	27	40	40	34	28	23	34	33	33
N09-12273	30	38	42	33	25	24	30	33	32
N09-12838	36	48	39	34	35	37	39	42	39
N09-12854	27	40	41	35	25	25	28	29	31
N09-12980	30	41	38	35	30	29	32	33	34
N10-7121	36	43	40	35	30	29	35	35	35
N10-7143	30	44	46	36	30	28	35	36	36
N10-7189	32	43	37	32	32	31	37	35	35
N10-7277	26	40	40	32	27	26	31	31	32
N11-9298	31	44	45	38	23	24	28	35	33
NCC09-135	22	36	32	35	19	21	23	25	27
R09-1822	28	41	37	33	24	20	27	32	30
R09-4798	30	45	43	39	33	24	33	39	36
R10-4892	23	42	41	34	23	23	28	30	31
R11-1057	25	39	40	34	24	17	28	30	30
R11-2419	29	41	40	35	25	22	28	32	31
TN08-100	28	41	35	38	27	19	29	30	31
TN09-44,420	29	41	44	36	29	23	31	34	33
TN09-48,012	26	41	39	37	26	20	25	31	31
TN11-5140	32	42	36	36	30	26	33	35	34
TN12-6509	36	40	45	36	28	23	30	34	34
Mean	29	41	40	35	27	25	31	34	.

**TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
DILLON	31	31
NCC07-8138	21	21
NC-ROY	27	27
NCC06-1090	31	31
AG6534	23	23
G10-3429 RR	23	23
N09-9	25	25
N09-12273	23	23
N09-12838	34	34
N09-12854	24	24
N09-12980	22	22
N10-7121	29	29
N10-7143	30	30
N10-7189	26	26
N10-7277	24	24
N11-9298	25	25
NCC09-135	16	16
R09-1822	24	24
R09-4798	28	28
R10-4892	22	22
R11-1057	23	23
R11-2419	22	22
TN08-100	24	24
TN09-44,420	22	22
TN09-48,012	23	23
TN11-5140	27	27
TN12-6509	28	28
Mean	25	.

**TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**Delta**

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
DILLON	2.0	2.3	2.0	2.1
NCC07-8138	2.0	2.0	1.3	1.8
NC-ROY	3.3	3.0	3.0	3.1
NCC06-1090	2.7	2.3	2.3	2.4
AG6534	3.0	2.3	1.3	2.2
G10-3429 RR	2.7	2.7	1.3	2.2
N09-9	3.3	2.3	2.3	2.7
N09-12273	3.3	2.0	2.0	2.4
N09-12838	3.3	3.0	3.0	3.1
N09-12854	3.0	2.3	2.0	2.4
N09-12980	3.0	2.0	2.0	2.3
N10-7121	3.7	2.0	3.3	3.0
N10-7143	3.7	2.0	3.0	2.9
N10-7189	3.7	2.0	3.0	2.9
N10-7277	3.0	2.0	3.0	2.7
N11-9298	2.7	2.0	1.0	1.9
NCC09-135	3.0	2.0	1.0	2.0
R09-1822	2.3	2.0	1.7	2.0
R09-4798	1.3	2.3	1.7	1.8
R10-4892	1.7	2.3	1.3	1.8
R11-1057	1.7	2.0	1.0	1.6
R11-2419	1.3	2.0	1.0	1.4
TN08-100	1.0	2.0	1.0	1.3
TN09-44,420	1.7	2.0	2.0	1.9
TN09-48,012	1.7	2.0	1.0	1.6
TN11-5140	2.3	2.3	1.3	2.0
TN12-6509	2.0	3.0	1.7	2.2
Mean	2.5	2.2	1.9	.

**TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
DILLON	2.0	2.0
NCC07-8138	2.3	2.3
NC-ROY	2.0	2.0
NCC06-1090	2.0	2.0
AG6534	2.0	2.0
G10-3429 RR	2.5	2.5
N09-9	2.5	2.5
N09-12273	2.5	2.5
N09-12838	2.5	2.5
N09-12854	2.0	2.0
N09-12980	2.0	2.0
N10-7121	2.5	2.5
N10-7143	2.5	2.5
N10-7189	2.8	2.8
N10-7277	2.0	2.0
N11-9298	1.8	1.8
NCC09-135	2.5	2.5
R09-1822	2.0	2.0
R09-4798	2.0	2.0
R10-4892	2.0	2.0
R11-1057	2.0	2.0
R11-2419	2.3	2.3
TN08-100	2.3	2.3
TN09-44,420	2.5	2.5
TN09-48,012	2.0	2.0
TN11-5140	2.0	2.0
TN12-6509	2.0	2.0
Mean	2.2	.

**TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
DILLON	1.0	1.0	1.3	3.3	1.3	2.2	.	2.0	1.7
NCC07-8138	1.0	1.3	1.0	2.0	1.0	2.2	.	1.0	1.4
NC-ROY	1.0	2.0	2.8	3.0	1.7	2.2	.	2.3	2.1
NCC06-1090	1.0	1.7	1.3	3.0	1.0	1.7	.	1.3	1.6
AG6534	1.0	1.0	1.0	1.0	1.0	2.0	.	1.0	1.1
G10-3429 RR	1.0	1.7	1.2	3.0	1.0	2.0	.	1.3	1.6
N09-9	1.0	2.0	1.5	3.0	1.3	2.2	.	1.7	1.8
N09-12273	1.0	2.0	2.7	3.7	1.3	2.0	.	2.7	2.2
N09-12838	1.0	2.0	1.3	4.0	1.3	2.3	.	1.0	1.9
N09-12854	1.0	1.0	1.5	2.3	1.0	2.0	.	1.0	1.4
N09-12980	1.0	2.0	1.5	3.0	1.0	2.0	1.0	1.3	1.7
N10-7121	1.0	2.0	1.8	3.7	2.0	2.3	.	1.0	2.0
N10-7143	1.0	1.7	1.8	3.3	1.7	2.3	.	1.7	1.9
N10-7189	1.0	2.3	2.0	3.7	2.0	2.3	.	1.7	2.1
N10-7277	1.0	2.7	2.5	3.3	1.0	2.0	.	1.3	2.0
N11-9298	1.0	1.0	2.0	1.7	1.0	2.0	.	1.0	1.4
NCC09-135	1.0	1.7	1.0	1.3	1.0	2.0	.	1.0	1.3
R09-1822	1.0	1.3	1.0	3.3	1.0	2.0	.	1.7	1.6
R09-4798	1.0	1.0	1.2	2.3	1.0	2.0	.	1.7	1.5
R10-4892	1.0	1.7	1.2	2.7	1.0	2.0	.	1.0	1.5
R11-1057	1.0	1.0	1.2	2.0	1.0	2.0	.	1.0	1.3
R11-2419	1.0	1.0	1.5	2.7	1.0	2.0	.	1.0	1.5
TN08-100	1.0	2.0	1.2	2.0	1.0	1.8	.	1.0	1.4
TN09-44,420	1.0	1.7	1.0	3.0	2.0	2.0	.	1.7	1.8
TN09-48,012	1.0	1.0	1.2	1.7	1.0	2.0	.	1.0	1.3
TN11-5140	1.0	1.3	1.3	2.3	1.0	2.0	.	1.7	1.5
TN12-6509	1.0	1.0	1.2	2.7	1.7	2.0	.	1.7	1.6
Mean	1.0	1.6	1.5	2.7	1.2	2.1	1.0	1.4	.

**TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
DILLON	1.3	1.3
NCC07-8138	1.0	1.0
NC-ROY	1.0	1.0
NCC06-1090	1.3	1.3
AG6534	1.0	1.0
G10-3429 RR	1.0	1.0
N09-9	1.0	1.0
N09-12273	1.0	1.0
N09-12838	1.3	1.3
N09-12854	1.0	1.0
N09-12980	1.0	1.0
N10-7121	1.0	1.0
N10-7143	1.3	1.3
N10-7189	1.3	1.3
N10-7277	1.0	1.0
N11-9298	1.0	1.0
NCC09-135	1.0	1.0
R09-1822	1.0	1.0
R09-4798	1.0	1.0
R10-4892	1.0	1.0
R11-1057	1.0	1.0
R11-2419	1.0	1.0
TN08-100	1.0	1.0
TN09-44,420	1.0	1.0
TN09-48,012	1.0	1.0
TN11-5140	1.0	1.0
TN12-6509	1.0	1.0
Mean	1.1	.

**TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

*Delta*

<b>STRAIN/ VARIETY</b>	<b>Keiser, AR</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Area Mean</b>
DILLON	1.5	2.0	1.5	1.8
NCC07-8138	2.0	2.0	1.5	1.9
NC-ROY	2.5	2.0	1.5	2.0
NCC06-1090	2.0	2.0	1.5	1.9
AG6534	2.5	2.0	1.5	2.0
G10-3429 RR	2.5	2.0	1.5	2.0
N09-9	2.0	2.0	1.5	1.9
N09-12273	2.5	2.0	2.0	2.1
N09-12838	2.0	2.0	1.5	1.9
N09-12854	2.5	2.0	2.0	2.1
N09-12980	2.5	2.0	1.5	2.0
N10-7121	2.0	2.0	1.5	1.9
N10-7143	2.0	2.0	1.0	1.8
N10-7189	2.0	2.0	1.5	1.9
N10-7277	1.5	2.0	1.5	1.8
N11-9298	2.0	2.0	1.5	1.9
NCC09-135	1.5	2.0	2.0	1.9
R09-1822	1.5	2.0	2.0	1.9
R09-4798	1.5	2.0	1.5	1.8
R10-4892	1.5	2.0	1.5	1.8
R11-1057	1.5	2.0	1.5	1.8
R11-2419	1.5	2.0	2.0	1.9
TN08-100	2.5	2.0	2.0	2.1
TN09-44,420	2.0	2.0	2.0	2.0
TN09-48,012	2.0	2.0	1.5	1.9
TN11-5140	1.5	2.0	2.0	1.9
TN12-6509	2.0	2.0	2.5	2.1
Mean	2.0	2.0	1.7	.



**TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
DILLON	.	.
NCC07-8138	.	.
NC-ROY	.	.
NCC06-1090	.	.
AG6534	.	.
G10-3429 RR	.	.
N09-9	.	.
N09-12273	.	.
N09-12838	.	.
N09-12854	.	.
N09-12980	.	.
N10-7121	.	.
N10-7143	.	.
N10-7189	.	.
N10-7277	.	.
N11-9298	.	.
NCC09-135	.	.
R09-1822	.	.
R09-4798	.	.
R10-4892	.	.
R11-1057	.	.
R11-2419	.	.
TN08-100	.	.
TN09-44,420	.	.
TN09-48,012	.	.
TN11-5140	.	.
TN12-6509	.	.
Mean	.	.

**TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Belle Mina, AL</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
DILLON	1.5	1.0	1.5	.	1.0	2.7	.	1.5	1.5
NCC07-8138	1.7	1.0	1.5	.	1.0	2.5	.	1.7	1.6
NC-ROY	1.0	1.0	1.5	.	1.0	2.5	.	1.5	1.4
NCC06-1090	1.8	1.0	1.5	.	1.2	3.1	.	1.5	1.6
AG6534	1.2	1.2	1.5	.	1.2	3.0	1.0	1.5	1.5
G10-3429 RR	1.7	1.0	1.5	.	1.0	2.7	1.0	1.8	1.5
N09-9	1.3	1.0	1.5	.	1.0	2.8	1.0	1.7	1.5
N09-12273	1.7	1.0	1.7	.	1.8	2.5	1.0	1.7	1.6
N09-12838	1.0	1.0	1.5	.	1.0	2.7	.	1.5	1.4
N09-12854	1.0	1.0	1.5	.	1.0	2.0	.	1.5	1.3
N09-12980	1.2	1.0	1.5	.	1.3	2.8	.	1.5	1.6
N10-7121	1.2	1.0	1.5	.	1.2	2.5	.	1.5	1.5
N10-7143	1.2	1.0	1.5	.	1.0	3.2	.	2.0	1.6
N10-7189	1.2	1.0	1.3	.	1.3	3.5	.	1.5	1.6
N10-7277	1.0	1.0	1.3	.	1.2	2.7	.	1.3	1.4
N11-9298	1.7	1.0	1.7	.	1.0	3.0	.	1.5	1.6
NCC09-135	1.7	1.0	1.5	.	1.5	2.7	2.0	1.8	1.7
R09-1822	1.8	1.0	1.5	.	2.0	3.2	2.0	1.8	1.9
R09-4798	1.7	1.0	1.5	.	1.7	3.5	1.3	2.2	1.8
R10-4892	1.7	1.0	1.8	.	2.0	3.8	1.0	2.3	2.0
R11-1057	1.7	1.0	1.5	.	1.0	2.5	1.0	1.5	1.5
R11-2419	1.7	1.0	1.5	.	1.3	2.8	1.0	1.5	1.5
TN08-100	1.7	1.0	1.7	.	1.2	3.3	2.0	2.0	1.8
TN09-44,420	1.3	1.0	1.5	.	1.0	2.2	.	1.5	1.4
TN09-48,012	1.5	1.0	1.7	.	1.0	3.0	1.0	1.5	1.5
TN11-5140	1.2	1.0	1.5	.	1.0	2.5	1.0	1.5	1.4
TN12-6509	1.2	1.0	1.8	.	1.0	2.5	1.0	1.5	1.4
Mean	1.4	1.0	1.5	.	1.2	2.8	1.2	1.6	.

**TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
DILLON	1.3	1.3
NCC07-8138	1.7	1.7
NC-ROY	2.0	2.0
NCC06-1090	1.0	1.0
AG6534	1.0	1.0
G10-3429 RR	1.0	1.0
N09-9	1.3	1.3
N09-12273	2.0	2.0
N09-12838	2.0	2.0
N09-12854	1.7	1.7
N09-12980	1.0	1.0
N10-7121	2.0	2.0
N10-7143	1.0	1.0
N10-7189	2.0	2.0
N10-7277	1.0	1.0
N11-9298	1.0	1.0
NCC09-135	1.7	1.7
R09-1822	1.0	1.0
R09-4798	1.0	1.0
R10-4892	1.0	1.0
R11-1057	1.0	1.0
R11-2419	1.0	1.0
TN08-100	1.7	1.7
TN09-44,420	1.3	1.3
TN09-48,012	1.0	1.0
TN11-5140	1.0	1.0
TN12-6509	1.7	1.7
Mean	1.3	.

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**TABLE 67 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	DILLON	Centennial x Young		
2	NCC07-8138	MD99-6226X(N97-9677)		Diversity
3	NC-ROY	Holladay X Brim		
4	NCC06-1090	N99-8137xTN99-117		
5	AG6534	Commercial check		
6	G11-2334R2	G00-3880(2) X RR2Y	BC1F5d	
7	LLL05-14	FAM94-41-3 x N98-4445A		Altered Fatty Acid
8	N04-05-N41	NC-Royx (NC-RoyxCX1834)		Low Phytate
9	N07-15444	NC-Roy x PI 399045	F4	Diversity/50% PI 399045
10	N07-15529	N7002 x PI 221717	F4	Diversity/50% PI 221717, 12.5% 416937
11	N08-174	N99-186 X TN99-117		
12	N11-7090	NC-Roy X LD00-3309	F4	Diversity/50% Midwestern
13	N11-7125	NC-Roy X LD00-3309	F4	Diversity/50% Midwestern pedigree
14	NLM09-77	N6202 X G98SF114.		High Protein/Diversity/12.5% Nakasennari, 12.55 Fukuyataka
15	R11-171	5002T x R01-2346	F5	
16	R11-1756	UA 4805 x R01-327	F3	
17	R11-2282	NCC04-734 x R01-327	F4	
18	R11-2299	NCC04-734 x R01-327	F5	
19	R11-2354	NCC04-734 x R03-1232	F4	
20	R11-2517	R01-976 x R03-946	F5	

**TABLE 68 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST VI FOR YEAR 2014**

STRAIN/ VARIETY	SEED		AVG. MAT.		LOGGING	HEIGHT	SEED		% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK	RANK	INDEX			QUALITY	SIZE			2.5.7 Race 1	0 Race 3	2.5.7 Race 5					
DILLON	51.3	15	14	0	2.1	36	1.6	15.0	42.7	21.7	4	5	4	.	P	G		
NCC07-8138	60.5	1	6	0	1.7	28	1.6	17.6	41.0	22.3	5	5	5	.	P	G		
NC-ROY	54.4	12	10	3	2.7	34	1.5	12.7	42.4	21.1	5	4	5	.	W	G		
NCC06-1090	56.3	10	11	4	2.4	31	1.5	17.8	39.1	23.4	5	5	4	.	P	G		
AG6534	53.9	13	9	3	1.6	32	1.5	13.6	42.8	21.7	5	5	3	.	P	T		
G11-2334R2	50.9	16	13	6	3.0	36	1.5	13.9	41.8	21.0	4	3	5	.	P	T		T
LLL05-14	48.0	18	16	1	2.1	29	1.6	13.1	43.1	20.8	5	5	3	.	W	G		
N04-05-N41	47.1	20	15	-4	1.9	31	1.5	15.5	42.4	20.7	4	5	4	.	W	G		
N07-15444	59.4	3	7	-6	1.4	28	1.5	12.9	44.1	21.0	4	5	3	.	W	T		
N07-15529	47.4	19	17	6	2.8	32	1.5	14.9	43.9	20.2	5	5	4	.	W	G		
N08-174	59.0	4	8	0	2.1	31	1.6	15.9	40.7	21.9	5	5	5	.	P	T		
N11-7090	50.2	17	14	0	2.0	29	1.8	13.2	42.6	20.4	5	4	5	.	W	G		
N11-7125	53.1	14	10	1	1.7	27	1.5	10.7	41.7	20.8	5	5	5	.	P	G		
NLM09-77	54.8	11	13	2	2.5	33	1.5	20.1	46.7	20.6	4	5	4	.	P	T		
R11-171	60.0	2	6	-3	2.2	29	1.5	14.7	39.9	22.7	5	4	5	.	W	G		T
R11-1756	58.4	6	8	-4	2.3	36	1.5	14.5	42.2	21.2	4	5	4	.	P	T		T
R11-2282	56.5	9	10	-4	1.6	30	1.4	14.1	41.4	21.6	5	5	4	.	W	G		T
R11-2299	57.8	7	7	6	2.6	35	1.6	13.3	40.5	22.1	5	5	5	.	P	G		T
R11-2354	57.7	8	10	3	1.8	35	1.5	14.3	41.8	22.0	5	5	5	.	W	G		T
R11-2517	58.7	5	7	2	2.3	35	1.5	17.4	41.5	23.3	4	5	4	.	P	G		T
Mean	54.8	.	.	1	2.1	32	1.5	14.8	42.1	21.5	.	.	.	.	.	.	.	.
LSD(0.05)	8.0	.	.	4	.	3	0.4	1.1	0.9	0.5	.	.	.	.	.	.	.	.
CV(%)	14.5	.	.	479	.	10	17.1	6.5	1.9	2.0	.	.	.	.	.	.	.	.

**TABLE 69 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	44.5	55.9	39.5	44.0	53.6	70.2	54.5	51.3
NCC07-8138	54.8	69.1	45.5	46.2	77.4	70.1	44.3	60.5
NC-ROY	45.9	64.6	41.0	48.6	48.5	78.0	47.7	54.4
NCC06-1090	45.2	61.7	47.4	46.6	71.5	64.4	50.1	56.3
AG6534	50.8	66.7	49.2	43.4	43.7	69.4	51.7	53.9
G11-2334R2	46.2	70.7	47.9	41.6	33.6	65.4	61.9	50.9
LLL05-14	46.5	54.2	42.5	45.5	36.3	62.9	40.7	48.0
N04-05-N41	46.9	49.5	43.6	47.2	34.4	61.1	28.2	47.1
N07-15444	57.7	61.9	46.1	49.4	73.6	67.7	25.7	59.4
N07-15529	36.3	58.5	40.5	43.0	40.0	66.2	49.4	47.4
N08-174	42.2	75.7	46.1	48.0	67.9	74.4	50.7	59.0
N11-7090	44.9	61.2	45.8	39.3	41.3	68.8	46.1	50.2
N11-7125	49.5	66.3	46.5	49.5	40.0	66.8	32.6	53.1
NLM09-77	47.2	66.7	44.5	42.0	65.4	62.5	46.5	54.8
R11-171	54.1	65.7	52.5	50.6	70.3	67.0	54.0	60.0
R11-1756	45.2	67.9	51.4	46.0	71.7	68.2	46.2	58.4
R11-2282	54.1	56.1	42.8	46.8	68.9	70.2	41.2	56.5
R11-2299	52.1	71.8	46.8	45.3	48.4	82.5	42.8	57.8
R11-2354	44.2	60.9	43.1	51.1	69.3	76.5	46.5	57.7
R11-2517	54.4	71.2	47.4	43.9	65.5	69.7	34.1	58.7
Mean	48.1	63.8	45.5	45.9	56.0	69.1	44.7	54.8
LSD(0.05)	13.6	9.7	10.9	9.4	14.1	8.0	24.2	8.0
CV(%)	13.1	6.9	11.5	9.8	12.0	5.5	25.9	14.5

‡Data not included in mean: 2014 – Tallassee, AL(A)

**TABLE 70 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	22.4	21.1	21.7	22.0	22.5	20.4	21.9	21.7
NCC07-8138	21.9	22.1	.	22.4	23.0	21.9	23.0	22.3
NC-ROY	21.4	20.8	20.8	21.3	22.0	20.6	20.6	21.1
NCC06-1090	23.4	23.2	23.6	23.1	23.6	22.7	24.3	23.4
AG6534	22.0	20.4	21.2	.	22.6	21.7	22.0	21.7
G11-2334R2	20.8	20.5	20.8	21.1	21.0	20.9	21.7	21.0
LLL05-14	20.6	20.8	21.0	20.9	21.1	20.2	21.3	20.8
N04-05-N41	20.6	20.6	20.3	20.8	21.3	20.6	20.5	20.7
N07-15444	21.2	20.5	20.9	21.6	21.5	19.9	21.6	21.0
N07-15529	20.9	19.3	20.0	20.4	21.1	19.6	20.4	20.2
N08-174	22.5	22.0	19.6	22.2	22.7	21.7	22.7	21.9
N11-7090	20.4	19.8	19.7	20.3	22.0	20.2	20.4	20.4
N11-7125	20.7	20.1	20.1	20.7	22.3	20.5	21.5	20.8
NLM09-77	20.7	20.2	20.0	20.5	20.7	20.4	21.5	20.6
R11-171	22.4	22.3	22.4	22.5	23.5	22.5	23.2	22.7
R11-1756	21.4	20.7	21.1	21.0	21.7	20.9	21.6	21.2
R11-2282	21.8	21.7	21.3	21.3	22.8	20.9	21.7	21.6
R11-2299	22.0	21.9	21.8	22.2	23.3	21.8	21.8	22.1
R11-2354	21.8	21.4	21.4	22.1	23.0	21.8	22.5	22.0
R11-2517	23.1	22.6	23.6	22.9	23.8	22.4	24.4	23.3
Mean	21.6	21.1	21.1	21.5	22.3	21.1	21.9	.



**TABLE 71 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	40.4	42.6	42.6	42.9	41.8	44.7	44.1	42.7
NCC07-8138	40.6	40.8	.	40.7	39.1	42.4	42.1	41.0
NC-ROY	41.3	41.7	41.9	42.1	41.3	43.9	44.7	42.4
NCC06-1090	39.1	39.6	37.2	39.2	38.8	40.5	39.3	39.1
AG6534	42.1	43.3	43.3	.	41.0	42.5	44.3	42.8
G11-2334R2	41.1	41.4	42.3	40.8	42.2	42.1	43.0	41.8
LLL05-14	43.9	42.3	42.3	43.6	42.2	43.8	43.5	43.1
N04-05-N41	43.0	42.1	43.2	41.7	41.2	41.9	43.7	42.4
N07-15444	43.4	43.0	43.4	43.9	43.4	45.7	45.6	44.1
N07-15529	43.2	44.4	44.1	43.6	42.3	44.4	45.0	43.9
N08-174	39.6	40.4	43.4	39.4	39.1	41.4	41.5	40.7
N11-7090	43.3	42.7	43.3	42.5	40.9	42.4	43.0	42.6
N11-7125	41.9	42.3	41.6	41.0	40.6	42.6	41.7	41.7
NLM09-77	46.4	46.6	47.6	47.8	45.8	47.3	45.6	46.7
R11-171	40.2	38.8	40.6	40.9	37.6	39.6	41.3	39.9
R11-1756	41.9	42.0	41.7	43.2	41.2	42.6	42.8	42.2
R11-2282	41.6	40.8	41.5	41.6	39.5	42.2	42.7	41.4
R11-2299	40.5	39.6	40.5	41.6	39.3	40.7	41.2	40.5
R11-2354	41.6	41.9	42.9	42.3	39.4	41.4	42.8	41.8
R11-2517	41.3	41.7	40.6	42.3	40.7	43.3	40.6	41.5
Mean	41.8	41.9	42.3	42.2	40.9	42.8	42.9	.

**TABLE 72 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	.	14.3	14.2	16.9	13.5	16.3	14.8	15.0
NCC07-8138	.	17.6	15.7	18.6	16.5	20.3	17.2	17.6
NC-ROY	.	12.7	12.3	13.2	11.1	14.5	12.5	12.7
NCC06-1090	.	17.9	16.3	18.2	17.1	19.8	17.4	17.8
AG6534	.	12.5	13.4	15.3	10.4	15.4	14.7	13.6
G11-2334R2	.	13.1	14.6	14.0	12.1	15.1	14.8	13.9
LLL05-14	.	12.3	13.2	15.1	11.4	14.5	12.4	13.1
N04-05-N41	.	16.4	15.7	15.2	15.4	15.5	14.6	15.5
N07-15444	.	11.6	12.9	14.1	13.0	14.4	11.4	12.9
N07-15529	.	15.5	15.7	15.8	12.3	16.5	13.4	14.9
N08-174	.	15.9	15.4	15.5	14.4	18.6	15.6	15.9
N11-7090	.	13.3	13.1	13.7	11.9	14.9	12.4	13.2
N11-7125	.	10.8	10.2	11.1	11.2	11.7	9.5	10.7
NLM09-77	.	20.6	20.7	21.7	15.7	23.5	18.5	20.1
R11-171	.	14.8	14.5	15.0	14.1	16.6	13.3	14.7
R11-1756	.	14.1	14.2	15.4	14.1	16.5	12.9	14.5
R11-2282	.	14.5	13.1	14.6	14.7	14.9	12.9	14.1
R11-2299	.	12.5	12.7	13.9	12.9	16.5	11.3	13.3
R11-2354	.	14.6	14.1	14.6	14.6	14.7	13.3	14.3
R11-2517	.	17.3	18.0	19.5	14.2	19.8	15.5	17.4
Mean	.	14.6	14.5	15.5	13.5	16.5	13.9	.

**TABLE 73 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	10/18	.	10/22	10/20	9/30	10/2	.	10/12
NCC07-8138	0	.	-3	1	0	0	.	0
NC-ROY	1	.	1	1	1	13	.	3
NCC06-1090	4	.	1	6	-1	12	.	4
AG6534	3	.	0	2	-3	13	.	3
G11-2334R2	4	.	2	5	3	15	.	6
LLL05-14	-2	.	-1	-3	0	9	.	1
N04-05-N41	-4	.	-4	-6	-6	-1	.	-4
N07-15444	-7	.	-5	-10	-7	-4	.	-6
N07-15529	2	.	3	7	0	16	.	6
N08-174	1	.	1	1	-4	4	.	0
N11-7090	-6	.	1	-6	0	10	.	0
N11-7125	1	.	1	-6	-1	9	.	1
NLM09-77	1	.	2	3	-6	9	.	2
R11-171	-2	.	-2	-6	-6	-2	.	-3
R11-1756	-2	.	-3	-6	-7	-3	.	-4
R11-2282	-1	.	-4	-8	-6	-2	.	-4
R11-2299	4	.	3	5	-1	18	.	6
R11-2354	-1	.	3	2	0	13	.	3
R11-2517	2	.	1	2	-6	12	.	2
Mean	0	.	0	-1	-2	7	.	.

**TABLE 74 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	39	29	45	42	33	32	36	36
NCC07-8138	34	24	30	34	29	23	24	28
NC-ROY	35	32	33	37	31	34	35	34
NCC06-1090	34	22	35	36	30	25	33	31
AG6534	38	28	28	44	29	26	30	32
G11-2334R2	37	34	37	44	33	32	39	36
LLL05-14	34	27	29	33	27	24	27	29
N04-05-N41	34	26	36	40	25	29	27	31
N07-15444	36	24	30	33	26	22	22	27
N07-15529	35	31	40	36	22	26	34	32
N08-174	33	27	38	35	25	23	34	31
N11-7090	33	31	35	35	20	27	26	29
N11-7125	35	25	30	33	19	27	24	27
NLM09-77	33	27	42	42	28	30	32	33
R11-171	33	20	37	36	28	23	27	29
R11-1756	39	29	39	43	36	32	34	36
R11-2282	36	24	36	35	26	22	28	30
R11-2299	37	31	35	44	29	33	35	35
R11-2354	39	32	40	42	31	29	35	35
R11-2517	38	25	40	40	36	33	33	35
Mean	35	27	36	38	28	27	30	.

**TABLE 75 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN  
PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	2.5	2.0	2.0	2.0	2.0	2.0	.	2.1
NCC07-8138	1.5	1.0	1.5	2.0	2.0	2.0	.	1.7
NC-ROY	3.5	3.0	2.0	2.5	2.0	3.0	.	2.7
NCC06-1090	3.5	2.0	1.8	2.5	2.0	2.5	.	2.4
AG6534	1.0	2.0	1.3	1.2	2.0	2.0	.	1.6
G11-2334R2	3.5	3.0	3.0	3.0	2.0	3.5	.	3.0
LLL05-14	2.0	2.5	2.0	2.0	2.0	2.0	.	2.1
N04-05-N41	3.0	1.0	2.0	1.7	2.0	1.5	.	1.9
N07-15444	1.0	1.5	1.3	1.5	2.0	1.0	.	1.4
N07-15529	4.0	3.0	2.5	2.2	2.0	3.0	.	2.8
N08-174	3.5	1.5	1.8	2.0	2.0	2.0	.	2.1
N11-7090	1.5	2.5	2.0	2.0	2.0	2.0	.	2.0
N11-7125	2.0	2.0	1.0	1.5	2.0	1.5	.	1.7
NLM09-77	3.5	2.0	2.3	2.0	2.0	3.0	.	2.5
R11-171	3.5	2.0	2.3	2.0	2.0	1.5	.	2.2
R11-1756	3.5	2.0	2.0	2.0	2.0	2.5	.	2.3
R11-2282	1.5	1.0	2.0	1.7	2.0	1.5	.	1.6
R11-2299	3.0	3.0	2.5	2.5	2.0	2.5	.	2.6
R11-2354	1.5	2.0	2.0	2.0	2.0	1.0	.	1.8
R11-2517	3.0	2.0	2.0	2.0	2.0	3.0	.	2.3
Mean	2.6	2.1	2.0	2.0	2.0	2.2	.	.

**TABLE 76 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Clemson, SC</b>	<b>Keiser, AR</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Stoneville, MS</b>	<b>Stuttgart, AR</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
DILLON	.	1.5	.	.	2.0	2.0	1.0	1.6
NCC07-8138	.	1.5	.	.	2.0	2.0	1.0	1.6
NC-ROY	.	1.5	.	.	2.0	1.5	.	1.5
NCC06-1090	.	1.5	.	.	2.0	1.5	1.0	1.5
AG6534	.	1.5	.	.	2.0	1.5	1.0	1.5
G11-2334R2	.	1.5	.	.	2.0	1.5	1.0	1.5
LLL05-14	.	1.5	.	.	2.0	2.0	1.0	1.6
N04-05-N41	.	1.5	.	.	2.0	1.5	1.0	1.5
N07-15444	.	1.0	.	.	2.0	1.0	2.0	1.5
N07-15529	.	1.5	.	.	2.0	1.5	1.0	1.5
N08-174	.	1.5	.	.	2.0	2.0	1.0	1.6
N11-7090	.	2.0	.	.	2.0	1.5	1.5	1.8
N11-7125	.	1.5	.	.	2.0	1.5	1.0	1.5
NLM09-77	.	1.5	.	.	2.0	1.5	1.0	1.5
R11-171	.	1.0	.	.	2.0	1.5	1.3	1.5
R11-1756	.	1.5	.	.	2.0	1.0	1.5	1.5
R11-2282	.	1.0	.	.	2.0	1.5	1.0	1.4
R11-2299	.	2.0	.	.	2.0	1.5	1.0	1.6
R11-2354	.	1.5	.	.	2.0	1.5	1.0	1.5
R11-2517	.	1.0	.	.	2.0	2.0	1.0	1.5
Mean	.	1.5	.	.	2.0	1.6	1.1	.

**TABLE 77 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1 AGS-738RR	G99-4158 X P97M50		
2 AG7733	Commercial check		
3 N7003CN	Cook x Anand		resistant to all field races of SCN
4 NCC06-899	N99-8137xTN99-117		
5 G08-4200 RR	N97-9658 X BOGGS RR	F7d	
6 G10PR-86R2	G00-3880 X NC7308A1-COYN	F4d	
7 G10PR-224R2	G00-3213 X NC7308A1-COYN	F4d	
8 G10-3954R2	G00-3213 X NC7308A1-COYN	F6d	
9 G11PR-418R2	G00-3213(3)RR2Y x {G00-3213(2) x [G00-3209 x G01-PR68 (Rpp?Hyuuga)] F2}F1}	F2d	
10 G11PR-56158R2	G00-3213(4) X RR2Y	BC3F3d	
11 G11PR-56238R2	G00-3880(4) X RR2Y	BC3F3d	
12 N05-316	NC-Roy X N96-6752		Diversity/25% PI 416937
13 N09-12455	N7002xMISUZU DAIZU-BB	F4	Diversity/50% MISUZU DAIZU and 12.5% PI 416937
14 N09-13128	N7002xTAMAHAKARI-BB	F4	Diversity/50% TAMAHAKARI;12.5% PI 416937
15 N09-13189	NC-ROYxPI508294-BB	F4	Diversity/50% PI 508294
16 SC09-052RR	N97-9658/SC00-643RR	F7	
17 SC09-142RR	G00-3213/SC00-643RR	F7	
18 SC10-397RR	SC98-2070/SC01-783RR	F6	LJ
19 SC10-400RR	SC98-2070/SC01-783RR	F6	LJ

**TABLE 78 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VII FOR YEAR 2014**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2014	13-14	12-14	2014	13-14	12-14	2014	13-14	12-14
AGS-738RR	1	4	55.2	54.8	.	39.8	40.1	.	22.3	22.0	.
AG7733	3	7	53.1	.	.	40.8	.	.	21.7	.	.
N7003CN	8	8	51.9	52.4	53.1	40.7	40.4	40.4	22.2	22.1	22.0
NCC06-899	2	6	55.1	54.4	55.1	40.3	39.8	39.9	23.2	23.2	22.9
G08-4200 RR	6	9	52.2	52.9	53.6	42.0	41.5	41.4	21.7	21.8	21.6
G10PR-86R2	11	11	49.6	51.8	.	41.4	41.3	.	22.0	21.8	.
G10PR-224R2	13	9	49.3	52.7	.	42.8	42.1	.	21.7	21.7	.
G10-3954R2	17	14	46.9	.	.	42.2	.	.	21.8	.	.
G11PR-418R2	9	8	51.5	.	.	42.0	.	.	22.2	.	.
G11PR-56158R2	12	12	49.5	.	.	42.7	.	.	22.0	.	.
G11PR-56238R2	4	8	52.7	.	.	40.9	.	.	21.7	.	.
N05-316	7	9	52.0	.	.	42.4	.	.	22.1	.	.
N09-12455	19	13	43.6	.	.	42.9	.	.	21.7	.	.
N09-13128	5	8	52.3	52.8	52.7	38.1	38.3	38.3	22.7	22.6	22.5
N09-13189	15	11	48.2	49.0	.	41.1	41.1	.	20.9	20.7	.
SC09-052RR	16	15	47.0	49.3	.	40.6	40.6	.	22.4	22.1	.
SC09-142RR	18	15	46.7	49.2	.	42.8	42.6	.	22.7	22.6	.
SC10-397RR	10	9	49.8	.	.	40.4	.	.	21.7	.	.
SC10-400RR	14	13	48.6	.	.	41.6	.	.	21.5	.	.
Mean	.	.	50.3	.	.	41.3	.	.	22.0	.	.
LSD(0.05)	.	.	4.8	.	.	0.7	.	.	0.3	.	.
CV(%)	.	.	13.2	.	.	1.9	.	.	1.6	.	.

‡Data not included in mean: 2014 – Clemson, SC; Tallassee, AL(A)  
2013 – Florence; SC  
2012 – Tallassee, AL(A)



**TABLE 79 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>MAT. INDEX</b>	<b>LODGING</b>	<b>HEIGHT</b>	<b>SEED QUALITY</b>	<b>SEED SIZE</b>	<b>FL. COLOR</b>	<b>PUB. COLOR</b>	<b>POD COLOR</b>
AGS-738RR	0	1.7	35	1.5	14.3			
AG7733	5	1.5	37	1.5	17.1			
N7003CN	5	1.9	37	1.8	17.3	W	T	
NCC06-899	5	2.0	33	1.3	16.9	W	G	
G08-4200 RR	3	2.1	36	1.4	13.1	W	T	T
G10PR-86R2	3	2.0	39	1.6	16.8	P	T	T
G10PR-224R2	2	1.5	39	1.4	15.0	W	T	T
G10-3954R2	1	1.5	38	1.5	15.1	P	T	T
G11PR-418R2	0	1.8	36	1.5	17.2	W	G	T
G11PR-56158R2	3	1.7	39	1.4	18.2	W	T	T
G11PR-56238R2	3	1.9	36	1.6	16.1	P	T	T
N05-316	4	1.6	34	1.3	15.1	W	G	
N09-12455	2	1.6	31	1.5	18.0	W	G	
N09-13128	5	1.6	35	1.7	17.1	P	G	
N09-13189	9	2.2	35	1.3	14.4	W	G	
SC09-052RR	8	2.3	40	1.4	15.6	W	G	T
SC09-142RR	5	1.7	40	1.4	16.7	W	T	T
SC10-397RR	8	1.4	40	1.6	16.6	P	G	T
SC10-400RR	7	1.4	41	1.5	17.1	P	G	T
Mean	4	1.8	37	1.5	16.2			
LSD(0.05)	2	0.3	2	0.3	0.7			
CV(%)	75	29.0	10	22.0	4.8			

**TABLE 80 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>SCN HG TYPE</b>			<b>PRK GA</b>	<b>SRK GA</b>	<b>SC RATING</b>	<b>SC SCORE</b>
	<b>2.5.7 Race 1</b>	<b>0 Race 3</b>	<b>2.5.7 Race 5</b>				
AGS-738RR	1	1	2	5.0	1.0	.	
AG7733	5	5	5	5.0	1.0	.	
N7003CN	1	2	1	4.8	1.3	.	
NCC06-899	4	3	5	5.0	1.0	.	
G08-4200 RR	1	1	1	4.8	1.0	.	
G10PR-86R2	2	3	5	4.5	1.0	.	
G10PR-224R2	1	1	2	4.5	1.0	.	
G10-3954R2	1	1	2	3.8	1.0	.	
G11PR-418R2	4	1	4	3.3	1.0	.	
G11PR-56158R2	4	5	5	4.3	1.0	.	
G11PR-56238R2	5	3	4	4.8	1.0	.	
N05-316	5	5	5	4.8	4.3	.	
N09-12455	5	5	5	5.0	5.0	.	
N09-13128	5	5	5	5.0	1.0	.	
N09-13189	4	5	5	5.0	5.0	.	
SC09-052RR	4	5	3	5.0	1.3	.	
SC09-142RR	3	1	4	5.0	1.3	.	
SC10-397RR	3	3	3	5.0	4.8	.	
SC10-400RR	4	4	3	5.0	4.5	.	

**TABLE 81 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Area Mean</b>
AGS-738RR	41.4	42.8	50.6	44.9
AG7733	33.5	45.4	48.2	42.2
N7003CN	39.6	39.0	43.4	40.7
NCC06-899	35.3	49.8	52.1	45.7
G08-4200 RR	35.0	41.0	46.5	40.8
G10PR-86R2	33.5	32.0	43.5	36.3
G10PR-224R2	36.1	44.3	37.8	39.1
G10-3954R2	34.0	42.6	34.9	37.2
G11PR-418R2	37.8	40.3	43.6	40.6
G11PR-56158R2	34.5	34.6	43.1	37.4
G11PR-56238R2	36.5	41.3	48.9	42.4
N05-316	33.4	40.7	46.2	40.1
N09-12455	31.8	45.2	53.6	43.5
N09-13128	36.9	43.2	51.0	43.7
N09-13189	33.8	37.4	42.7	37.9
SC09-052RR	30.8	37.7	41.3	36.6
SC09-142RR	34.9	39.5	40.7	38.4
SC10-397RR	35.6	45.8	43.3	41.5
SC10-400RR	36.9	35.8	43.0	38.6
Mean	35.3	41.0	45.0	40.4
LSD(0.05)	6.7	7.4	5.9	5.9
CV(%)	11.5	10.4	7.9	11.9

**TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Calhoun, GA</b>	<b>Clemson, ‡ SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, ‡ AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS-738RR	48.6	69.8	51.3	63.3	48.0	44.7	63.8	78.0	58.7
AG7733	44.9	70.5	51.7	66.9	49.9	46.4	43.0	66.6	57.5
N7003CN	51.2	64.8	34.8	62.7	45.3	33.3	38.2	84.2	56.9
NCC06-899	58.0	72.4	40.3	69.4	40.0	41.8	48.9	70.8	58.7
G08-4200 RR	45.2	64.4	40.9	60.3	44.0	42.7	59.4	80.4	56.2
G10PR-86R2	46.0	62.0	53.0	59.9	46.7	41.2	51.2	74.2	55.0
G10PR-224R2	45.4	66.9	50.6	63.7	50.1	44.6	62.2	70.6	56.9
G10-3954R2	43.6	57.0	50.8	59.7	44.8	40.4	53.7	67.3	52.1
G11PR-418R2	44.3	73.7	46.2	61.0	48.3	43.4	58.0	71.7	57.0
G11PR-56158F	44.1	67.6	51.9	65.0	47.5	41.2	58.7	64.2	54.9
G11PR-56238F	50.1	76.3	40.9	58.8	40.8	43.3	62.7	79.5	58.1
N05-316	52.1	67.6	46.9	60.2	49.6	42.5	28.9	64.4	56.1
N09-12455	45.6	56.9	48.4	39.9	24.3	25.0	21.7	54.1	40.9
N09-13128	47.6	65.4	40.9	59.9	44.3	29.3	50.4	72.5	53.2
N09-13189	47.3	58.3	44.9	62.8	49.3	44.8	31.0	53.8	52.7
SC09-052RR	41.4	54.1	48.0	56.5	46.7	41.8	37.9	65.0	50.9
SC09-142RR	38.2	60.0	47.5	58.9	41.9	41.6	54.1	61.7	50.4
SC10-397RR	50.3	51.2	49.9	60.4	44.0	44.6	49.4	75.9	54.4
SC10-400RR	43.9	58.7	54.3	56.2	43.2	41.7	34.0	73.7	52.9
Mean	46.7	64.1	47.0	60.3	44.7	40.8	47.8	69.9	54.4
LSD(0.05)	7.1	11.0	16.8	6.9	9.6	6.2	12.9	5.5	5.9
CV(%)	9.1	10.4	21.6	7.0	13.0	9.3	16.3	4.8	11.9

‡Data not included in mean.

**TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
AGS-738RR	65.3	65.3
AG7733	58.5	58.5
N7003CN	55.3	55.3
NCC06-899	61.0	61.0
G08-4200 RR	62.1	62.1
G10PR-86R2	57.6	57.6
G10PR-224R2	34.4	34.4
G10-3954R2	44.2	44.2
G11PR-418R2	50.9	50.9
G11PR-56158R2	53.5	53.5
G11PR-56238R2	51.2	51.2
N05-316	63.3	63.3
N09-12455	60.1	60.1
N09-13128	72.6	72.6
N09-13189	52.1	52.1
SC09-052RR	54.2	54.2
SC09-142RR	49.7	49.7
SC10-397RR	47.0	47.0
SC10-400RR	52.4	52.4
Mean	55.0	55.0
LSD(0.05)	9.5	9.5
CV(%)	10.4	10.4

**TABLE 82 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	22.3	22.3	21.8	22.3	22.5	21.9	22.9	22.2	22.6	22.3
AG7733	22.1	21.1	21.0	22.2	21.1	21.4	22.2	21.3	23.0	21.7
N7003CN	23.0	22.1	21.9	22.5	22.1	20.9	22.8	21.8	23.0	22.2
NCC06-899	23.4	22.9	22.2	24.0	23.7	22.1	23.4	22.8	24.1	23.2
G08-4200 RR	22.4	21.3	20.9	22.8	22.0	21.1	22.2	21.0	22.0	21.7
G10PR-86R2	22.7	21.7	21.5	22.4	21.5	21.5	21.8	22.0	22.5	22.0
G10PR-224R2	22.2	21.7	21.0	22.8	21.5	20.1	22.1	20.9	22.7	21.7
G10-3954R2	22.3	21.1	21.7	22.2	22.3	21.9	21.9	21.4	21.8	21.8
G11PR-418R2	22.6	22.2	21.7	22.9	22.5	20.9	22.4	21.3	22.9	22.2
G11PR-56158R2	22.5	21.6	21.8	22.3	22.1	21.7	22.2	21.2	22.4	22.0
G11PR-56238R2	22.5	21.2	20.7	22.0	21.6	21.1	22.2	21.4	22.2	21.7
N05-316	22.4	21.9	21.7	22.1	22.0	21.3	22.7	22.4	22.8	22.1
N09-12455	22.2	21.4	20.9	22.3	21.4	21.0	21.9	21.6	22.6	21.7
N09-13128	23.4	22.6	21.7	23.0	23.0	22.3	22.7	22.4	23.6	22.7
N09-13189	21.0	20.3	19.8	21.9	21.1	20.8	22.0	19.5	21.8	20.9
SC09-052RR	23.1	21.7	22.0	22.9	22.1	21.2	22.9	21.9	23.4	22.4
SC09-142RR	23.6	22.0	22.2	23.1	22.1	22.8	22.6	22.1	23.5	22.7
SC10-397RR	22.4	21.2	21.0	21.9	21.8	21.0	22.4	21.6	22.0	21.7
SC10-400RR	22.5	21.1	20.9	21.6	21.4	21.3	22.1	21.3	21.5	21.5
Mean	22.6	21.7	21.4	22.5	22.0	21.4	22.4	21.6	22.7	.

**TABLE 83 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	38.7	39.1	39.2	41.2	39.5	38.5	40.9	40.6	40.2	39.8
AG7733	39.6	42.0	41.3	40.6	41.3	40.4	41.4	41.5	39.2	40.8
N7003CN	38.6	40.8	40.5	40.9	40.7	41.3	41.2	41.9	40.2	40.7
NCC06-899	37.9	40.6	40.6	40.0	39.3	41.4	41.1	41.6	39.9	40.3
G08-4200 RR	40.1	42.0	42.2	41.0	41.5	42.7	43.5	42.3	42.6	42.0
G10PR-86R2	39.5	41.0	41.4	42.5	41.7	40.5	42.0	41.7	42.2	41.4
G10PR-224R2	40.3	43.2	42.6	42.3	43.2	43.5	43.6	43.7	42.7	42.8
G10-3954R2	39.8	43.4	40.3	43.2	42.0	41.5	44.3	41.8	43.2	42.2
G11PR-418R2	39.4	41.8	41.4	41.5	41.0	43.1	43.2	44.1	42.4	42.0
G11PR-56158R2	40.1	43.9	41.5	42.8	42.6	41.7	44.0	44.1	43.5	42.7
G11PR-56238R2	38.9	41.2	41.3	41.4	40.8	40.5	41.4	41.4	40.8	40.9
N05-316	41.1	42.3	42.0	43.1	42.1	43.1	43.6	42.0	42.5	42.4
N09-12455	41.1	42.7	43.2	42.7	43.0	43.5	44.2	43.4	42.4	42.9
N09-13128	36.4	37.5	38.1	38.8	37.6	37.6	39.8	38.2	39.1	38.1
N09-13189	40.3	42.0	42.2	40.2	41.1	41.0	40.0	42.7	40.4	41.1
SC09-052RR	38.2	41.9	40.7	41.2	40.9	41.5	40.1	41.1	39.6	40.6
SC09-142RR	40.2	44.0	43.9	42.9	43.2	41.0	43.2	44.7	42.4	42.8
SC10-397RR	39.7	41.2	39.2	42.0	41.1	40.5	40.2	39.1	40.3	40.4
SC10-400RR	40.5	42.2	40.7	43.3	42.2	40.9	41.6	41.7	41.5	41.6
Mean	39.5	41.7	41.2	41.7	41.3	41.3	42.1	42.0	41.3	.

**TABLE 84 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Bossier City, LA</b>	<b>Calhoun, GA</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Test Mean</b>
AGS-738RR	13.9	16.1	16.1	13.6	.	16.2	14.7	12.1	13.9	13.7	12.0	14.6	14.3
AG7733	17.0	17.0	18.9	16.2	.	19.9	18.7	14.4	17.0	16.5	14.2	18.0	17.1
N7003CN	16.0	16.7	18.8	17.2	.	18.8	18.9	16.5	17.3	17.5	14.9	18.3	17.3
NCC06-899	15.8	16.3	19.3	15.3	.	19.5	18.9	16.6	16.5	15.3	14.5	17.4	16.9
G08-4200 RR	13.2	13.4	15.2	12.1	.	14.3	13.1	12.2	13.6	11.3	11.7	13.8	13.1
G10PR-86R2	17.3	16.2	18.4	16.7	.	19.0	15.9	15.7	17.3	16.1	15.5	17.3	16.8
G10PR-224R2	13.1	14.3	16.0	14.5	.	17.3	17.5	15.7	15.3	13.1	14.0	14.4	15.0
G10-3954R2	14.3	13.7	16.2	14.5	.	18.0	17.3	15.3	15.0	13.3	13.8	14.3	15.1
G11PR-418R2	16.4	16.7	19.1	16.2	.	19.5	17.8	17.3	18.1	15.1	15.8	16.8	17.2
G11PR-56158R2	17.3	17.6	21.3	17.4	.	21.0	19.4	15.9	18.0	16.6	17.2	18.1	18.2
G11PR-56238R2	15.9	16.0	18.2	15.0	.	17.3	16.9	15.2	16.1	15.7	14.5	16.8	16.1
N05-316	15.6	16.0	16.1	12.9	.	17.4	16.4	13.9	14.9	14.6	13.1	15.1	15.1
N09-12455	17.7	18.0	21.4	17.0	.	18.9	18.5	17.5	17.8	18.0	15.4	18.4	18.0
N09-13128	16.0	19.0	18.8	15.5	.	19.9	18.2	15.8	16.1	15.0	15.7	17.6	17.1
N09-13189	13.8	15.9	16.6	13.9	.	15.5	16.8	13.7	15.3	11.9	11.6	13.5	14.4
SC09-052RR	14.9	16.0	17.2	14.9	.	17.8	17.8	14.1	15.8	13.9	11.9	17.2	15.6
SC09-142RR	16.5	15.6	19.8	16.4	.	18.1	18.2	15.8	17.8	15.4	14.2	15.9	16.7
SC10-397RR	16.2	16.1	19.0	16.6	.	18.9	17.7	15.5	17.3	14.7	13.9	17.1	16.6
SC10-400RR	16.3	16.1	18.7	17.0	.	19.8	19.5	15.8	17.5	16.3	14.2	17.1	17.1
Mean	15.6	16.1	18.2	15.4	.	18.3	17.5	15.2	16.3	14.9	14.1	16.4	.



**TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Area Mean</b>
AGS-738RR	10/22	10/26	10/22	10/23
AG7733	3	4	5	4
N7003CN	5	5	7	6
NCC06-899	3	6	5	5
G08-4200 RR	5	3	4	4
G10PR-86R2	3	0	5	3
G10PR-224R2	2	4	0	2
G10-3954R2	2	1	0	1
G11PR-418R2	0	1	2	1
G11PR-56158R2	4	4	2	3
G11PR-56238R2	2	1	5	3
N05-316	5	2	5	4
N09-12455	3	2	5	3
N09-13128	7	3	4	5
N09-13189	11	3	8	7
SC09-052RR	8	6	5	6
SC09-142RR	6	4	6	5
SC10-397RR	9	6	5	7
SC10-400RR	7	5	9	7
Mean	4	3	4	4

**TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS-738RR	10/14	10/15	10/29	10/22	10/25	10/6	10/11	10/17
AG7733	8	6	3	2	2	2	8	5
N7003CN	8	6	4	2	4	1	4	4
NCC06-899	7	19	5	2	3	2	3	6
G08-4200 RR	5	1	8	0	2	0	-1	2
G10PR-86R2	7	0	2	2	3	2	3	3
G10PR-224R2	4	2	2	-1	3	-1	0	2
G10-3954R2	2	-1	-1	1	3	1	1	1
G11PR-418R2	2	4	1	-4	3	-3	-1	0
G11PR-56158R2	6	4	4	-2	4	-1	1	2
G11PR-56238R2	6	3	2	0	4	0	4	3
N05-316	4	6	2	1	6	1	6	4
N09-12455	3	4	-2	-6	-1	-3	7	0
N09-13128	4	20	5	2	5	2	3	6
N09-13189	12	20	9	4	7	1	10	9
SC09-052RR	9	19	8	2	9	2	9	8
SC09-142RR	9	5	4	1	7	1	3	4
SC10-397RR	8	19	13	3	8	3	9	9
SC10-400RR	8	6	13	2	7	2	8	7
Mean	6	7	4	1	4	1	4	4

**TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
AGS-738RR	10/7	10/7
AG7733	7	7
N7003CN	7	7
NCC06-899	6	6
G08-4200 RR	4	4
G10PR-86R2	8	8
G10PR-224R2	4	4
G10-3954R2	4	4
G11PR-418R2	-1	-1
G11PR-56158R2	5	5
G11PR-56238R2	10	10
N05-316	6	6
N09-12455	5	5
N09-13128	3	3
N09-13189	10	10
SC09-052RR	10	10
SC09-142RR	5	5
SC10-397RR	5	5
SC10-400RR	8	8
Mean	6	6

**TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Area Mean</b>
AGS-738RR	35	30	42	36
AG7733	38	35	46	39
N7003CN	38	38	38	38
NCC06-899	33	34	39	35
G08-4200 RR	36	38	38	37
G10PR-86R2	36	30	44	37
G10PR-224R2	38	40	46	41
G10-3954R2	40	36	45	40
G11PR-418R2	36	42	44	40
G11PR-56158R2	41	36	48	42
G11PR-56238R2	40	27	36	35
N05-316	34	34	43	37
N09-12455	35	34	35	35
N09-13128	37	37	45	39
N09-13189	33	30	38	34
SC09-052RR	36	42	44	40
SC09-142RR	39	37	48	41
SC10-397RR	38	38	46	40
SC10-400RR	40	35	47	41
Mean	37	35	43	.

**TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS-738RR	35	41	33	28	32	36	37	37	35
AG7733	37	44	35	32	36	36	38	37	37
N7003CN	38	41	35	28	37	43	36	37	37
NCC06-899	36	38	31	28	24	37	37	35	33
G08-4200 RR	37	38	35	33	28	41	37	41	36
G10PR-86R2	41	42	38	34	33	45	42	43	40
G10PR-224R2	42	42	37	31	38	43	40	41	39
G10-3954R2	36	43	37	31	37	40	38	43	38
G11PR-418R2	36	42	31	33	32	36	38	40	36
G11PR-56158R2	40	45	37	34	32	42	42	43	39
G11PR-56238R2	37	41	35	31	31	40	40	39	37
N05-316	35	36	36	30	32	35	33	32	34
N09-12455	30	36	31	26	28	33	33	21	30
N09-13128	35	33	32	31	33	38	36	39	35
N09-13189	39	38	33	29	36	34	33	38	35
SC09-052RR	43	43	34	34	42	45	40	43	41
SC09-142RR	42	53	38	35	36	39	36	46	41
SC10-397RR	38	44	36	38	38	39	38	49	40
SC10-400RR	36	47	37	36	39	40	37	49	40
Mean	38	41	35	32	34	39	37	40	.

**TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
AGS-738RR	35	35
AG7733	31	31
N7003CN	35	35
NCC06-899	31	31
G08-4200 RR	37	37
G10PR-86R2	38	38
G10PR-224R2	39	39
G10-3954R2	30	30
G11PR-418R2	33	33
G11PR-56158R2	35	35
G11PR-56238R2	37	37
N05-316	32	32
N09-12455	30	30
N09-13128	36	36
N09-13189	39	39
SC09-052RR	39	39
SC09-142RR	35	35
SC10-397RR	36	36
SC10-400RR	44	44
Mean	36	.

**TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Area Mean</b>
AGS-738RR	2.3	2.0	2.0	2.1
AG7733	2.8	1.5	2.0	2.1
N7003CN	2.8	2.3	2.5	2.5
NCC06-899	2.5	2.3	2.5	2.4
G08-4200 RR	2.5	2.0	3.0	2.5
G10PR-86R2	2.5	1.8	2.8	2.3
G10PR-224R2	3.0	2.0	2.0	2.3
G10-3954R2	2.3	1.8	2.5	2.2
G11PR-418R2	2.5	2.3	2.3	2.3
G11PR-56158R2	2.8	2.0	2.3	2.3
G11PR-56238R2	2.0	1.8	2.8	2.2
N05-316	2.8	2.0	2.3	2.3
N09-12455	2.5	2.0	2.5	2.3
N09-13128	2.3	2.3	2.0	2.2
N09-13189	3.0	2.3	3.0	2.8
SC09-052RR	3.0	2.5	2.3	2.6
SC09-142RR	2.0	2.0	2.0	2.0
SC10-397RR	1.3	2.0	1.5	1.6
SC10-400RR	1.0	1.8	1.5	1.4
Mean	2.4	2.0	2.3	.

**TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS-738RR	1.3	1.5	4.0	1.0	2.0	1.0	.	1.7	1.8
AG7733	1.0	1.0	2.7	1.0	2.0	1.0	.	1.7	1.5
N7003CN	1.0	1.8	4.0	1.3	2.0	1.7	.	1.7	1.9
NCC06-899	1.3	1.7	4.0	2.0	2.0	1.0	1.0	2.7	2.0
G08-4200 RR	2.3	1.5	4.0	1.7	2.0	1.3	.	2.0	2.1
G10PR-86R2	1.0	1.3	3.3	2.0	2.0	1.7	.	3.3	2.1
G10PR-224R2	1.0	1.2	2.0	1.0	2.0	1.3	.	1.3	1.4
G10-3954R2	1.0	1.5	2.3	1.0	2.0	1.0	.	1.7	1.5
G11PR-418R2	1.0	1.3	4.0	1.0	2.0	1.0	.	2.3	1.8
G11PR-56158R2	1.3	1.5	3.7	1.0	2.0	1.0	.	1.7	1.7
G11PR-56238R2	1.3	1.3	4.0	1.0	2.0	1.3	.	2.3	1.9
N05-316	1.0	1.0	4.0	1.0	2.0	1.0	.	1.0	1.6
N09-12455	1.0	1.3	3.7	1.0	2.0	1.0	.	1.0	1.6
N09-13128	1.0	1.2	3.0	1.0	2.0	1.0	.	1.7	1.5
N09-13189	1.7	1.8	3.0	2.0	2.2	1.3	.	1.7	2.0
SC09-052RR	1.7	2.3	3.3	2.7	2.3	1.3	1.0	2.3	2.2
SC09-142RR	1.0	1.5	3.7	1.0	2.0	1.0	.	2.7	1.8
SC10-397RR	1.0	1.0	2.3	1.3	2.0	1.0	.	2.0	1.5
SC10-400RR	1.0	1.0	3.0	1.0	2.2	1.0	.	1.7	1.5
Mean	1.2	1.4	3.4	1.3	2.0	1.2	1.0	1.9	.



**TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
AGS-738RR	1.0	1.0
AG7733	1.0	1.0
N7003CN	1.0	1.0
NCC06-899	1.3	1.3
G08-4200 RR	2.0	2.0
G10PR-86R2	1.0	1.0
G10PR-224R2	1.0	1.0
G10-3954R2	1.0	1.0
G11PR-418R2	1.0	1.0
G11PR-56158R2	1.0	1.0
G11PR-56238R2	1.7	1.7
N05-316	1.0	1.0
N09-12455	1.0	1.0
N09-13128	1.0	1.0
N09-13189	3.3	3.3
SC09-052RR	2.7	2.7
SC09-142RR	1.0	1.0
SC10-397RR	1.0	1.0
SC10-400RR	1.3	1.3
Mean	1.3	.

**TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Plymouth, NC</b>	<b>Area Mean</b>
AGS-738RR	.	.	.	.
AG7733	.	.	.	.
N7003CN	.	.	.	.
NCC06-899	.	.	.	.
G08-4200 RR	.	.	.	.
G10PR-86R2	.	.	.	.
G10PR-224R2	.	.	.	.
G10-3954R2	.	.	.	.
G11PR-418R2	.	.	.	.
G11PR-56158R2	.	.	.	.
G11PR-56238R2	.	.	.	.
N05-316	.	.	.	.
N09-12455	.	.	.	.
N09-13128	.	.	.	.
N09-13189	.	.	.	.
SC09-052RR	.	.	.	.
SC09-142RR	.	.	.	.
SC10-397RR	.	.	.	.
SC10-400RR	.	.	.	.
Mean	.	.	.	.

**TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Calhoun, GA</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS-738RR	1.2	1.5	.	1.2	2.7	1.2	.	1.5	1.5
AG7733	1.3	1.7	.	1.3	2.7	1.0	.	1.5	1.6
N7003CN	1.7	1.8	.	1.3	3.0	1.3	.	1.5	1.8
NCC06-899	1.0	1.5	.	1.0	2.2	1.2	.	1.5	1.4
G08-4200 RR	1.0	1.3	.	1.0	2.7	1.2	.	1.5	1.5
G10PR-86R2	1.3	1.7	.	1.0	2.5	1.8	.	1.5	1.6
G10PR-224R2	1.2	1.2	.	.	2.5	1.0	.	1.5	1.5
G10-3954R2	1.2	1.5	.	1.0	2.2	1.5	.	1.5	1.5
G11PR-418R2	1.5	1.7	.	1.0	2.5	1.5	.	1.5	1.6
G11PR-56158R2	1.2	1.2	.	.	3.0	1.2	.	1.5	1.6
G11PR-56238R2	1.3	1.3	.	1.0	2.7	1.5	.	1.5	1.6
N05-316	1.3	1.2	.	1.0	2.2	1.0	.	1.5	1.4
N09-12455	1.2	1.3	.	1.0	2.8	1.7	.	1.5	1.6
N09-13128	1.5	1.5	.	2.0	3.0	1.7	.	1.5	1.9
N09-13189	1.2	1.7	.	1.0	1.7	1.2	.	1.5	1.4
SC09-052RR	1.2	1.7	.	.	2.5	1.0	.	1.5	1.6
SC09-142RR	1.2	1.3	.	.	2.7	1.2	.	1.5	1.6
SC10-397RR	1.5	2.0	.	1.0	3.0	1.0	.	1.5	1.7
SC10-400RR	1.5	1.7	.	1.0	2.2	1.2	.	1.5	1.5
Mean	1.3	1.5	.	1.1	2.6	1.3	.	1.5	.

**TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2014**

**West**

<b>STRAIN/ VARIETY</b>	<b>Bossier City, LA</b>	<b>Area Mean</b>
AGS-738RR	1.2	1.2
AG7733	1.2	1.2
N7003CN	1.7	1.7
NCC06-899	1.0	1.0
G08-4200 RR	1.3	1.3
G10PR-86R2	1.5	1.5
G10PR-224R2	1.5	1.5
G10-3954R2	1.3	1.3
G11PR-418R2	1.0	1.0
G11PR-56158R2	1.0	1.0
G11PR-56238R2	2.2	2.2
N05-316	1.0	1.0
N09-12455	1.0	1.0
N09-13128	1.0	1.0
N09-13189	1.0	1.0
SC09-052RR	1.0	1.0
SC09-142RR	1.0	1.0
SC10-397RR	1.5	1.5
SC10-400RR	1.7	1.7
Mean	1.3	.

**TABLE 89 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	AGS-738RR	G99-4158 X P97M50		
2	AG7733	Commercial check		
3	N7003CN	Cook x Anand		resistant to all field races of SCN
4	NCC06-899	N99-8137xTN99-117		
5	G11-1162R2	SANTEE X [G00-3213 X RR2Y]	F5d	
6	G11-1397R2	SANTEE X [G00-3880 X RR2Y]	F5d	
7	G11-1762R2	G99-3211 X (G00-3213 X RR2Y)	F5d	
8	G11-2294R2	G00-3880(2) X RR2Y	BC1F5d	
9	G11-2663R2	G00-3213(2) X RR2Y	BC1F5d	
10	G11-2675R2	G00-3213(2) X RR2Y	BC1F5d	
11	G11-2815R2	G00-3213(2) X RR2Y	BC1F5d	
12	N09-13534	NC-ROYxN02-8760	F4	Diversity/25% Tokyo
13	N09-13914	N01-11936 x N98-7265	F4	DROUGHT/25% PI 471938, 12.5% PI416937
14	N10-7404	N01-11936 x N98-7265	F4	DROUGHT/25% PI 471938,
15	SC10-29	SC98-1850/MANOKIN(2)		LJ
16	SC10-142	SC98-1850/MANOKIN(2)		LJ
17	SC10-191	SC98-1850/MANOKIN(2)		LJ
18	SC10-404RR	SC98-2070/SC01-783RR	F6	LJ

**TABLE 90 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST VII FOR YEAR 2014**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	SEED		%	%	HG TYPE	HG TYPE	HG TYPE	SC	SC	FL	PUB.	POD	
	YIELD	RANK	RANK	INDEX			QUALITY	SIZE	PROTEIN	OIL	2.5.7	0	2.5.7	Race 1	Race 3	Race 5	RATING	SCORE	COLOR
AGS-738RR	47.8	3	6	0	1.4	36	0.8	13.2	40.6	21.9	1	1	2	.	.	.	.	.	.
AG7733	48.6	2	6	4	1.3	38	1.2	16.8	40.8	21.7	5	5	5	.	.	.	.	.	.
N7003CN	45.0	8	8	5	1.7	38	1.5	17.0	41.0	22.1	1	3	1	.	.	W	T	.	
NCC06-899	44.2	11	10	3	1.8	35	0.8	15.8	40.5	23.0	5	5	5	.	.	W	G	.	
G11-1162R2	42.0	13	12	5	1.6	43	1.2	18.4	43.2	22.2	5	5	5	.	.	W	T	T	
G11-1397R2	45.0	7	8	6	1.5	40	1.6	14.0	41.2	22.4	5	5	5	.	.	W	G	T	
G11-1762R2	43.2	12	12	7	1.4	45	1.3	13.9	43.2	20.7	5	5	5	.	.	W	T	T	
G11-2294R2	47.5	5	7	3	1.9	42	1.1	15.5	39.9	22.2	5	3	5	.	.	P	T	T	
G11-2663R2	49.3	1	4	3	1.4	39	1.0	16.1	42.6	22.0	5	4	5	.	.	W	T	T	
G11-2675R2	47.6	4	6	2	1.7	42	0.8	15.7	43.8	21.3	3	1	5	.	.	W	T	T	
G11-2815R2	44.6	9	8	2	1.7	43	1.1	15.7	43.6	21.4	3	1	4	.	.	W	T	T	
N09-13534	45.3	6	8	4	1.8	40	1.1	17.0	43.8	22.2	5	5	5	.	.	P	G	.	
N09-13914	41.0	14	10	5	1.5	33	1.5	14.8	40.8	22.8	5	5	5	.	.	W	G	.	
N10-7404	44.3	10	11	1	1.3	35	1.6	14.8	40.4	21.8	5	5	4	.	.	W	G	.	
SC10-29	40.8	15	11	-5	1.3	32	1.5	14.5	41.2	22.7	4	1	3	.	.	W	G	.	
SC10-142	34.9	18	15	-7	1.5	34	1.5	14.3	41.6	22.8	1	1	3	.	.	W	G	.	
SC10-191	37.6	17	15	-7	1.2	31	1.4	13.7	40.9	22.9	4	1	4	.	.	W	G	.	
SC10-404RR	39.0	16	15	5	1.3	37	1.4	14.9	40.8	21.9	.	4	3	.	.	P	G	T	
Mean	43.8	.	.	2	1.5	38	1.2	15.3	41.7	22.1	.	.	.	.	.	.	.	.	
LSD(0.05)	7.4	.	.	4	.	3	0.4	1.3	0.9	0.5	.	.	.	.	.	.	.	.	
CV(%)	16.2	.	.	137	.	8	23.1	6.6	1.7	1.9	.	.	.	.	.	.	.	.	

**TABLE 91 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	38.2	53.3	45.6	49.3	52.4	47.8
AG7733	37.8	50.2	49.5	50.0	55.8	48.6
N7003CN	40.4	41.9	39.0	47.9	55.9	45.0
NCC06-899	39.0	40.6	46.9	44.2	49.7	44.2
G11-1162R2	39.8	34.9	45.3	39.0	51.2	42.0
G11-1397R2	40.7	41.2	45.5	49.0	48.8	45.0
G11-1762R2	37.9	37.9	43.3	45.1	51.9	43.2
G11-2294R2	48.7	41.1	44.1	43.2	60.5	47.5
G11-2663R2	45.7	46.4	49.9	47.1	57.6	49.3
G11-2675R2	41.9	47.9	46.8	48.2	53.3	47.6
G11-2815R2	43.4	46.7	44.9	33.5	54.2	44.6
N09-13534	45.4	52.7	41.4	47.9	39.1	45.3
N09-13914	38.9	54.2	39.5	48.2	25.7	41.0
N10-7404	39.7	48.6	38.2	45.8	49.5	44.3
SC10-29	43.4	42.3	36.9	47.2	34.1	40.8
SC10-142	42.7	33.8	32.6	41.2	24.1	34.9
SC10-191	39.9	38.6	36.2	34.6	38.0	37.6
SC10-404RR	34.6	38.8	43.2	40.9	37.6	39.0
Mean	41.0	44.0	42.7	44.6	46.6	43.8
LSD(0.05)	7.3	9.1	6.2	7.9	10.9	7.4
CV(%)	10.8	11.7	8.8	10.0	14.1	16.2

**TABLE 92 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	22.0	21.5	22.8	21.5	21.8	21.9
AG7733	21.8	21.5	22.3	20.6	22.5	21.7
N7003CN	22.8	21.2	22.4	21.5	22.7	22.1
NCC06-899	23.3	22.5	23.3	21.8	23.9	23.0
G11-1162R2	22.6	21.9	22.6	21.1	22.6	22.2
G11-1397R2	22.9	22.3	22.5	21.7	22.7	22.4
G11-1762R2	21.2	19.9	21.9	19.8	20.9	20.7
G11-2294R2	23.0	21.1	22.3	21.5	22.9	22.2
G11-2663R2	22.5	21.1	22.5	21.1	22.8	22.0
G11-2675R2	22.1	21.0	21.9	19.9	21.8	21.3
G11-2815R2	22.0	20.8	22.2	20.1	21.8	21.4
N09-13534	22.6	21.1	22.4	21.4	23.3	22.2
N09-13914	23.0	21.7	23.9	21.9	23.6	22.8
N10-7404	22.4	22.0	22.4	21.2	21.2	21.8
SC10-29	23.3	21.4	23.3	21.8	23.8	22.7
SC10-142	23.9	21.6	23.3	22.5	22.7	22.8
SC10-191	23.8	22.4	23.4	22.0	23.0	22.9
SC10-404RR	21.9	21.0	22.0	21.2	23.6	21.9
Mean	22.6	21.4	22.6	21.3	22.6	.



**TABLE 93 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	38.5	40.7	40.8	41.3	41.6	40.6
AG7733	40.0	40.0	40.8	42.2	40.8	40.8
N7003CN	38.5	41.5	41.6	42.4	41.1	41.0
NCC06-899	38.0	40.2	41.3	42.6	40.5	40.5
G11-1162R2	40.9	42.9	43.5	44.8	43.7	43.2
G11-1397R2	39.3	39.9	41.9	42.8	42.0	41.2
G11-1762R2	40.9	44.3	41.7	44.9	44.0	43.2
G11-2294R2	36.6	40.7	40.2	41.1	40.7	39.9
G11-2663R2	40.0	42.7	42.9	44.2	43.4	42.6
G11-2675R2	40.5	43.7	44.6	45.4	44.8	43.8
G11-2815R2	41.0	43.8	43.9	45.0	44.4	43.6
N09-13534	41.3	44.6	43.6	45.4	43.9	43.8
N09-13914	38.6	41.3	40.0	43.0	41.0	40.8
N10-7404	38.2	39.7	41.2	41.9	41.1	40.4
SC10-29	39.5	42.1	41.1	42.3	40.8	41.2
SC10-142	39.1	43.4	42.4	42.8	40.4	41.6
SC10-191	39.3	39.9	41.8	42.3	41.2	40.9
SC10-404RR	40.4	40.1	40.6	41.1	41.6	40.8
Mean	39.5	41.8	41.9	43.1	42.1	.

**TABLE 94 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	13.0	16.2	12.8	12.9	11.3	13.2
AG7733	16.2	19.4	17.4	15.6	15.3	16.8
N7003CN	15.5	19.5	17.3	17.4	15.5	17.0
NCC06-899	14.8	19.1	16.6	15.0	13.5	15.8
G11-1162R2	18.3	20.1	17.6	18.4	17.5	18.4
G11-1397R2	15.1	15.9	13.8	13.2	12.3	14.0
G11-1762R2	14.2	13.6	15.3	14.0	12.7	13.9
G11-2294R2	15.7	15.2	15.9	15.8	14.7	15.5
G11-2663R2	17.2	14.5	18.1	15.1	15.6	16.1
G11-2675R2	15.6	16.0	17.7	14.7	14.6	15.7
G11-2815R2	16.6	15.7	17.7	13.9	14.8	15.7
N09-13534	17.8	17.0	17.9	17.0	15.2	17.0
N09-13914	15.2	16.0	15.3	15.8	12.0	14.8
N10-7404	14.6	14.8	16.4	15.0	13.1	14.8
SC10-29	14.5	15.2	15.0	14.8	12.9	14.5
SC10-142	15.9	14.2	14.4	15.3	12.0	14.3
SC10-191	14.6	14.6	14.4	12.8	12.1	13.7
SC10-404RR	14.8	15.2	16.7	14.7	13.4	14.9
Mean	15.5	16.3	16.2	15.1	13.8	.

**TABLE 95 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	10/15	10/29	.	10/24	.	10/23
AG7733	6	1	.	5	.	4
N7003CN	8	1	.	7	.	5
NCC06-899	5	0	.	5	.	3
G11-1162R2	8	1	.	6	.	5
G11-1397R2	9	-1	.	9	.	6
G11-1762R2	8	3	.	10	.	7
G11-2294R2	6	1	.	2	.	3
G11-2663R2	7	0	.	2	.	3
G11-2675R2	5	-3	.	4	.	2
G11-2815R2	7	0	.	-1	.	2
N09-13534	4	3	.	7	.	4
N09-13914	6	4	.	6	.	5
N10-7404	4	-3	.	3	.	1
SC10-29	-6	-5	.	-4	.	-5
SC10-142	-10	-7	.	-4	.	-7
SC10-191	-10	-7	.	-4	.	-7
SC10-404RR	5	5	.	5	.	5
Mean	3	0	.	3	.	.

**TABLE 96 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	35	39	36	38	34	36
AG7733	33	33	38	47	38	37
N7003CN	41	38	38	38	36	38
NCC06-899	35	29	38	35	34	35
G11-1162R2	40	36	47	48	44	43
G11-1397R2	40	31	43	44	39	40
G11-1762R2	43	47	46	47	43	45
G11-2294R2	42	42	39	44	44	42
G11-2663R2	38	35	39	44	38	39
G11-2675R2	40	.	43	47	42	42
G11-2815R2	40	40	44	45	43	42
N09-13534	41	42	37	39	40	39
N09-13914	32	.	34	40	32	33
N10-7404	33	.	34	37	39	35
SC10-29	29	27	34	34	33	32
SC10-142	30	32	38	34	33	34
SC10-191	30	28	33	33	31	31
SC10-404RR	35	34	41	45	33	37
Mean	36	36	39	41	38	.

**TABLE 97 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	1.0	2.0	1.0	2.0	.	1.4
AG7733	1.0	2.0	1.0	1.8	.	1.3
N7003CN	1.3	2.3	1.0	2.8	1.0	1.7
NCC06-899	1.0	2.3	1.7	3.0	1.0	1.8
G11-1162R2	1.0	2.3	1.0	3.0	1.0	1.6
G11-1397R2	1.0	2.0	1.3	2.3	.	1.5
G11-1762R2	1.0	2.3	1.0	2.0	.	1.4
G11-2294R2	1.3	2.0	2.0	3.3	1.0	1.9
G11-2663R2	1.0	2.0	1.0	2.0	.	1.4
G11-2675R2	1.0	2.0	1.7	2.8	1.0	1.7
G11-2815R2	1.0	2.0	1.3	3.3	.	1.7
N09-13534	1.7	2.3	1.7	2.5	1.0	1.8
N09-13914	1.0	2.0	1.0	2.8	.	1.5
N10-7404	1.0	2.0	1.0	2.0	.	1.3
SC10-29	1.0	2.0	1.0	1.8	.	1.3
SC10-142	1.0	2.0	1.0	2.0	2.0	1.5
SC10-191	1.0	1.8	1.0	1.5	.	1.2
SC10-404RR	1.0	2.0	1.0	1.8	1.0	1.3
Mean	1.1	2.1	1.2	2.3	1.1	.

**TABLE 98 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Plymouth, NC</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS-738RR	1.0	.	1.0	.	.	0.8
AG7733	1.7	.	1.2	.	.	1.2
N7003CN	2.0	.	1.5	.	1.0	1.5
NCC06-899	1.0	.	1.0	.	.	0.8
G11-1162R2	1.7	.	1.2	.	.	1.2
G11-1397R2	2.0	.	1.5	.	.	1.6
G11-1762R2	1.9	.	1.0	.	.	1.3
G11-2294R2	1.3	.	1.2	.	.	1.1
G11-2663R2	1.3	.	1.0	.	.	1.0
G11-2675R2	1.0	.	1.0	.	.	0.8
G11-2815R2	1.0	.	1.2	.	1.0	1.1
N09-13534	1.0	.	1.3	.	1.0	1.1
N09-13914	1.9	.	1.5	.	1.0	1.5
N10-7404	2.0	.	1.5	.	.	1.6
SC10-29	2.0	.	1.5	.	1.0	1.5
SC10-142	2.0	.	1.5	.	1.0	1.5
SC10-191	2.0	.	1.3	.	1.0	1.4
SC10-404RR	2.0	.	1.2	.	1.0	1.4
Mean	1.6	.	1.2	.	1.0	.

**TABLE 99 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>F<sub>n</sub></b>	<b>SPECIAL TRAITS</b>
1	AGS828RR	Prichard RR x SC96-1476		
2	N8001	N7001 x Cook		Diversity
3	N05-7432	N7002 x N98-7265		Diversity, slow wilting, resistant to Mn deficiency
4	AG7934	Commercial check		
5	G08-3279 RR	G00-3209 X G03-952 RR	F5d	
6	G10-3833 RR	G03-825-RR X G00-3213	F6d	
7	G10-3913R2	G00-3213 X NC7308A1-COYN	F6d	
8	G10PR-56264R2	G00-3213(2) X RR2Y	F4d	
9	G10PR-56444R2	G93-2225 X (G00-3213 X RR2Y)	F4d	
10	G11PR-209R2	G00-3880(2) RR2Y	BC1F5d	
11	G11PR-407R2	G00-3213(3)RR2Y x {G00-3213(2) x [G00-3209 x G01-PR68 (Rpp?Hyyuga)] F2}F1}	F2d	
12	G11PR-56151R2	G00-3213(4) X RR2Y	BC3F3d	
13	N09-13317	N98-7961xN95-7296	F4	Diversity/12.5% PI 416937, 12.5% Suzuyataka, 25%
14	N09-13671	N98-7961xN02-8718	F4	Diversity/12.5% PI 416937, 12.5% Suzuyataka, 25%
15	NLM09-52	N6202 X G98SF114.	F4	High Protein/Diversity/12.5% Nakasennari, 12.5%
16	SC09-092RR	N97-9658/SC00-643RR	F7	
17	SC09-102RR	G00-3213/SC00-643RR	F7	
18	SC09-210RR	SC01-809RR/G99-3211	F7	
19	SC10-394RR	SC98-2070/SC01-783RR	F6	LJ
20	SC10-456RR	SC98-2070/SC01-783RR	F6	LJ

**TABLE 100 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VIII FOR YEAR 2014**

STRAIN/ VARIETY	AVERAGE		YIELD ‡			PROTEIN			OIL		
	RANK	RANK	2014	13-14	12-14	2014	13-14	12-14	2014	13-14	12-14
AGS828RR	10	11	45.8	51.8	.	41.4	41.3	.	21.6	21.2	.
N8001	16	13	43.8	49.2	48.6	41.4	41.5	41.5	21.1	20.8	20.8
N05-7432	2	7	48.2	54.5	53.3	40.9	41.0	41.1	21.6	21.1	21.1
AG7934	1	2	51.7	.	.	41.1	.	.	22.6	.	.
G08-3279 RR	9	9	46.6	52.4	51.8	41.9	42.0	41.8	22.1	21.5	21.3
G10-3833 RR	6	9	47.4	.	.	41.5	.	.	22.2	.	.
G10-3913R2	13	14	44.2	.	.	41.6	.	.	22.5	.	.
G10PR-56264R2	14	13	44.2	51.1	.	41.8	41.8	.	22.1	21.8	.
G10PR-56444R2	3	6	47.6	53.6	.	40.9	41.4	.	22.3	21.7	.
G11PR-209R2	8	9	47.1	.	.	40.4	.	.	21.7	.	.
G11PR-407R2	4	7	47.5	.	.	41.1	.	.	22.7	.	.
G11PR-56151R2	5	10	47.4	.	.	42.3	.	.	22.2	.	.
N09-13317	20	16	40.9	.	.	41.7	.	.	22.5	.	.
N09-13671	17	13	43.6	49.2	48.4	41.6	41.8	41.6	22.5	22.2	22.1
NLM09-52	19	15	43.3	.	.	45.1	.	.	21.5	.	.
SC09-092RR	11	10	45.4	47.9	.	42.6	42.4	.	22.1	21.7	.
SC09-102RR	15	13	44.1	48.9	.	41.8	42.1	.	22.5	22.1	.
SC09-210RR	12	11	44.7	49.3	.	40.8	41.2	.	21.8	21.1	.
SC10-394RR	7	8	47.4	.	.	41.3	.	.	21.2	.	.
SC10-456RR	18	14	43.5	.	.	40.6	.	.	21.7	.	.
Mean	.	.	45.7	.	.	41.6	.	.	22.0	.	.
LSD(0.05)	.	.	3.9	.	.	0.8	.	.	0.6	.	.
CV(%)	.	.	12.6	.	.	2.1	.	.	3.2	.	.

‡Data not included in mean: 2014 – Clemson, SC; Tallassee, AL(A); Tallassee, AL(B).  
 2013 – Florence, SC; Tallassee, AL(A); Tallassee, AL(B);  
 Tifton, GA  
 2012 – Clayton, SC



**TABLE 101 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>MAT. INDEX</b>	<b>LODGING</b>	<b>HEIGHT</b>	<b>SEED QUALITY</b>	<b>SEED SIZE</b>	<b>FL. COLOR</b>	<b>PUB. COLOR</b>	<b>POD COLOR</b>
AGS828RR	0	2.1	34	1.5	14.2			
N8001	0	1.9	34	1.4	15.9	P	G	
N05-7432	3	2.0	34	1.3	15.6	P	G	
AG7934	2	1.8	36	1.5	16.4			
G08-3279 RR	1	1.9	39	1.4	16.8	W	T	T
G10-3833 RR	0	1.6	36	1.3	14.2	W	T	T
G10-3913R2	-1	1.7	37	1.5	17.7	W	T	T
G10PR-56264R2	-1	1.8	36	1.4	14.7	W	T	T
G10PR-56444R2	2	1.7	36	1.4	15.1	P	T	T
G11PR-209R2	-2	1.9	34	1.4	14.7	P	T	T
G11PR-407R2	0	1.9	36	1.3	15.8	W	G	T
G11PR-56151R2	-1	1.8	37	1.4	17.0	W	T	T
N09-13317	2	2.0	36	1.4	16.6	P	G	
N09-13671	0	1.7	33	1.4	16.0	P	G	
NLM09-52	2	1.8	33	1.4	20.3	P	G	
SC09-092RR	2	1.6	36	1.2	17.4	P	T	T
SC09-102RR	5	1.6	36	1.3	17.0	W	T	T
SC09-210RR	2	1.6	37	1.6	15.1	W	G	T
SC10-394RR	4	1.5	38	1.4	16.3	P	G	T
SC10-456RR	3	1.8	39	1.4	15.9	P	G	T
Mean	1	1.8	36	1.4	16.1			
LSD(0.05)	3	0.3	2	0.2	0.8			
CV(%)	300	25.0	9	17.0	5.5			

**TABLE 102 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY  
GROWN IN UNIFORM TEST VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>SCN HG TYPE</b>			<b>PRK GA</b>	<b>SRK GA</b>	<b>SC RATING</b>	<b>SC SCORE</b>	<b>SDS DX</b>
	<b>2.5.7 Race 1</b>	<b>0 Race 3</b>	<b>2.5.7 Race 5</b>					
AGS828RR	5	2	5	2.8	1.0	.	.	.
N8001	4	5	5	5.0	1.3	.	.	.
N05-7432	4	2	5	5.0	4.0	.	.	.
AG7934	4	3	5	5.0	1.0	.	.	.
G08-3279 RR	4	1	5	4.5	1.3	.	.	.
G10-3833 RR	1	1	5	3.8	1.3	.	.	.
G10-3913R2	4	1	5	2.5	1.0	.	.	.
G10PR-56264R2	4	4	5	2.8	1.0	.	.	.
G10PR-56444R2	5	5	3	4.8	1.0	.	.	.
G11PR-209R2	5	2	5	3.5	1.0	.	.	.
G11PR-407R2	3	1	5	3.3	1.0	.	.	.
G11PR-56151R2	3	1	5	3.8	1.0	.	.	.
N09-13317	5	4	5	5.0	3.0	.	.	.
N09-13671	5	1	5	5.0	3.3	.	.	.
NLM09-52	5	5	5	5.0	1.0	.	.	.
SC09-092RR	4	1	5	5.0	1.0	.	.	.
SC09-102RR	3	1	5	4.5	1.3	.	.	.
SC09-210RR	3	1	5	5.0	1.0	.	.	.
SC10-394RR	4	2	5	5.0	5.0	.	.	.
SC10-456RR	4	1	5	5.0	1.3	.	.	.

**TABLE 103 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
AGS828RR	38.9	37.1	38.0
N8001	40.4	32.1	36.2
N05-7432	42.0	38.7	40.3
AG7934	46.7	42.3	44.5
G08-3279 RR	40.2	32.3	36.2
G10-3833 RR	42.7	34.5	38.6
G10-3913R2	39.5	30.6	35.0
G10PR-56264R2	38.6	35.2	36.9
G10PR-56444R2	42.1	34.2	38.1
G11PR-209R2	39.9	34.6	37.2
G11PR-407R2	43.5	33.6	38.6
G11PR-56151R2	39.5	28.9	34.2
N09-13317	38.7	30.8	35.0
N09-13671	38.7	40.2	39.5
NLM09-52	35.2	33.9	34.5
SC09-092RR	40.9	39.5	40.2
SC09-102RR	40.1	33.0	36.5
SC09-210RR	39.8	34.5	37.2
SC10-394RR	43.7	35.8	39.7
SC10-456RR	38.0	32.5	35.2
Mean	40.5	34.7	37.6
LSD(0.05)	6.2	6.4	4.9
CV(%)	9.3	11.0	10.3

**TABLE 103 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clemson, ‡ SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, ‡ AL(A)</b>	<b>Tallassee, ‡ AL(B)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS828RR	44.5	38.6	39.6	63.4	36.3	39.0	55.2	21.8	68.3	48.3
N8001	41.8	33.0	42.0	51.9	45.9	37.9	41.1	29.5	67.1	46.3
N05-7432	46.8	30.7	49.9	62.3	48.0	39.6	40.5	30.1	77.7	50.9
AG7934	51.3	37.9	58.1	70.3	45.3	43.8	63.1	33.2	76.1	54.1
G08-3279 RR	47.6	39.5	43.3	61.5	41.1	41.1	53.7	33.0	69.4	50.0
G10-3833 RR	42.6	33.7	53.0	68.6	43.7	39.2	60.5	37.5	74.3	50.3
G10-3913R2	44.1	35.3	44.0	64.5	38.7	38.5	56.6	32.5	62.3	47.2
G10PR-56264R2	41.4	35.2	45.5	57.7	40.8	40.5	58.9	35.2	63.9	46.6
G10PR-56444R2	50.5	27.8	48.4	65.3	47.5	42.2	55.2	32.4	71.0	50.7
G11PR-209R2	48.8	43.2	40.0	64.2	40.8	42.6	56.9	35.2	62.9	50.4
G11PR-407R2	44.2	37.3	46.6	65.5	43.5	41.8	61.2	36.6	70.5	50.5
G11PR-56151R2	44.0	50.7	46.9	65.0	41.9	41.1	62.8	38.7	68.2	51.8
N09-13317	44.4	25.0	34.3	53.0	44.0	31.2	36.3	29.7	60.3	43.0
N09-13671	42.7	27.7	45.1	58.6	44.7	34.4	46.5	27.0	63.2	45.0
NLM09-52	37.0	37.8	39.2	61.5	40.8	36.9	40.6	22.2	63.0	46.2
SC09-092RR	40.4	41.6	38.1	49.2	45.1	39.4	45.3	16.9	67.5	47.2
SC09-102RR	39.7	35.7	53.0	59.3	37.3	39.7	54.8	31.0	67.8	46.6
SC09-210RR	34.0	34.3	48.8	64.0	41.1	39.9	34.7	17.5	70.2	47.2
SC10-394RR	35.5	46.8	45.5	60.9	39.7	42.8	36.6	.	73.7	49.9
SC10-456RR	38.1	36.4	41.8	55.5	47.2	35.6	57.3	.	64.9	46.3
Mean	43.0	36.4	45.2	61.1	42.7	39.4	50.9	30.0	68.1	48.4
LSD(0.05)	8.1	5.6	14.1	7.6	8.2	4.6	14.8	12.9	16.2	4.9
CV(%)	11.4	9.4	19.0	7.5	11.5	7.0	17.4	25.6	14.3	12.9

‡Data not included in mean.

**TABLE 104 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Test Mean</b>
AGS828RR	22.0	21.7	21.1	20.5	22.1	22.1	21.5	21.9	21.5	21.6	21.6
N8001	21.7	21.2	20.4	20.3	21.7	20.6	20.8	21.5	21.3	21.0	21.0
N05-7432	21.9	21.9	20.9	20.9	22.1	21.4	21.1	22.0	22.2	21.4	21.6
AG7934	23.2	22.6	22.0	21.9	23.1	22.6	22.1	22.9	22.7	22.9	22.6
G08-3279 RR	22.2	21.9	25.4	21.0	21.7	21.5	21.7	21.7	22.3	21.2	22.1
G10-3833 RR	22.3	21.4	25.8	21.1	22.6	21.8	21.6	21.2	22.2	22.0	22.2
G10-3913R2	23.6	22.0	21.8	21.6	23.3	22.1	22.5	22.1	22.9	23.3	22.5
G10PR-56264R2	22.5	21.7	21.9	21.1	22.8	22.2	21.7	22.1	22.6	22.3	22.1
G10PR-56444R2	23.4	21.0	21.8	21.6	22.4	21.9	22.3	22.2	23.3	22.6	22.2
G11PR-209R2	22.0	21.0	21.9	20.9	22.4	21.8	21.9	21.8	21.9	21.8	21.7
G11PR-407R2	23.6	23.1	21.2	21.7	23.4	22.2	22.7	23.0	23.2	22.7	22.7
G11PR-56151R2	22.6	21.9	22.1	21.5	22.7	21.4	22.4	22.3	22.5	22.6	22.2
N09-13317	23.0	22.0	21.6	22.2	23.2	22.3	22.4	22.1	23.1	23.2	22.5
N09-13671	23.0	23.0	22.2	21.6	23.4	22.2	22.3	22.1	22.5	23.1	22.5
NLM09-52	21.3	20.4	22.0	20.5	21.5	21.0	25.0	20.8	20.8	21.9	21.5
SC09-092RR	22.0	21.5	21.1	21.5	21.7	21.5	25.2	22.1	21.7	22.3	22.1
SC09-102RR	23.2	22.4	21.5	22.1	22.7	22.3	21.8	22.5	23.2	23.1	22.5
SC09-210RR	22.2	22.0	22.6	20.9	21.5	21.2	23.0	21.5	22.1	21.4	21.8
SC10-394RR	21.1	21.2	21.0	20.1	21.7	22.1	20.9	21.7	.	21.0	21.2
SC10-456RR	22.0	21.4	20.7	20.9	22.6	22.0	21.4	22.0	.	22.5	21.7
Mean	22.4	21.8	22.0	21.2	22.4	21.8	22.2	22.0	22.3	22.2	.

**TABLE 105 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Test Mean</b>
AGS828RR	40.5	40.5	41.8	42.0	42.4	39.4	41.8	42.8	40.6	41.9	41.4
N8001	39.5	41.2	42.4	41.4	40.6	43.1	41.7	41.6	40.6	41.9	41.4
N05-7432	39.5	39.3	42.1	41.9	40.5	42.7	40.7	41.6	40.2	40.9	40.9
AG7934	38.6	40.2	42.4	41.4	41.3	41.5	41.8	42.2	39.4	42.0	41.1
G08-3279 RR	39.4	41.1	43.2	41.7	43.3	41.5	41.6	43.6	40.5	43.5	41.9
G10-3833 RR	39.2	41.1	43.0	42.6	41.9	41.6	39.9	43.2	40.2	41.9	41.5
G10-3913R2	39.1	40.9	41.2	42.4	41.6	42.5	41.8	43.0	39.4	43.7	41.6
G10PR-56264R2	39.1	41.4	42.8	42.6	41.9	41.6	42.9	42.7	39.2	43.3	41.8
G10PR-56444R2	37.9	40.0	42.6	41.1	42.1	42.4	40.5	42.1	37.9	42.6	40.9
G11PR-209R2	38.3	40.6	41.5	40.7	40.6	39.5	39.6	41.3	39.2	42.8	40.4
G11PR-407R2	38.0	40.5	40.6	42.6	41.0	42.2	40.4	41.6	40.8	43.4	41.1
G11PR-56151R2	40.0	42.1	42.7	42.5	42.2	44.1	41.7	43.1	41.0	43.7	42.3
N09-13317	40.1	40.7	43.3	41.7	41.6	41.7	41.8	43.7	40.2	42.5	41.7
N09-13671	40.1	38.8	41.9	42.4	42.1	42.0	42.1	43.1	40.9	42.1	41.6
NLM09-52	45.1	44.7	42.4	46.6	45.7	45.8	43.4	46.3	45.1	46.0	45.1
SC09-092RR	41.0	41.6	45.5	42.3	43.4	43.6	42.4	42.4	40.6	42.8	42.6
SC09-102RR	39.1	41.3	42.6	42.7	42.8	41.9	42.5	41.7	39.9	43.2	41.8
SC09-210RR	39.1	38.9	42.9	40.2	42.7	41.3	39.9	41.4	38.6	43.0	40.8
SC10-394RR	41.7	40.8	42.0	41.2	42.1	39.3	40.9	41.5	.	41.8	41.1
SC10-456RR	39.8	39.7	42.0	40.5	40.9	41.1	39.7	41.2	.	40.5	40.4
Mean	39.8	40.8	42.4	42.0	42.0	41.9	41.4	42.5	40.2	42.7	.

**TABLE 106 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clayton, NC</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Tifton, GA</b>	<b>Test Mean</b>
AGS828RR	14.4	13.4	14.2	.	15.6	14.0	13.5	15.2	11.9	13.7	16.6	14.2
N8001	15.7	15.1	16.4	.	17.0	18.6	15.5	16.0	12.1	15.1	17.8	15.9
N05-7432	15.8	14.8	17.0	.	16.4	16.9	14.4	17.0	12.1	15.1	16.2	15.6
AG7934	15.1	16.1	16.4	.	16.9	17.6	17.2	17.5	14.6	15.6	17.4	16.4
G08-3279 RR	16.8	16.1	17.0	.	18.9	18.4	16.5	17.7	13.8	15.4	17.1	16.8
G10-3833 RR	14.5	14.7	14.5	.	15.2	15.8	12.3	15.1	12.8	13.1	14.7	14.2
G10-3913R2	17.8	16.9	18.5	.	19.5	19.3	16.1	17.3	17.5	14.1	19.8	17.7
G10PR-56264R2	14.9	15.2	15.2	.	17.0	15.6	13.9	14.6	13.9	12.1	15.2	14.7
G10PR-56444R2	14.9	14.4	15.3	.	17.6	16.9	13.6	15.1	13.7	12.3	17.4	15.1
G11PR-209R2	13.7	14.1	15.1	.	16.1	14.6	14.4	14.5	14.7	13.1	16.4	14.7
G11PR-407R2	15.6	16.2	17.2	.	17.1	17.0	15.5	15.3	15.5	14.0	15.1	15.8
G11PR-56151R2	18.2	18.7	17.8	.	19.0	18.3	15.2	16.1	15.8	14.4	16.7	17.0
N09-13317	16.5	17.4	17.1	.	17.9	18.3	15.4	17.2	14.3	14.4	17.5	16.6
N09-13671	16.2	16.0	15.0	.	16.9	17.2	14.7	15.6	14.3	16.4	18.1	16.0
NLM09-52	17.8	19.9	19.8	.	22.8	22.0	20.3	21.5	19.2	19.4	20.2	20.3
SC09-092RR	17.7	17.9	15.1	.	20.1	18.6	17.2	18.5	15.8	15.6	17.9	17.4
SC09-102RR	17.7	17.3	17.4	.	18.8	17.9	15.1	18.0	15.2	14.7	18.4	17.0
SC09-210RR	16.3	14.6	15.2	.	16.7	14.7	13.6	15.3	13.8	14.1	16.3	15.1
SC10-394RR	15.5	16.9	17.4	.	18.3	15.4	15.3	17.5	14.2	.	17.5	16.3
SC10-456RR	14.1	17.0	16.3	.	17.1	17.4	16.5	16.0	14.4	.	16.2	15.9
Mean	16.0	16.1	16.4	.	17.7	17.2	15.3	16.6	14.5	14.6	17.1	.

**TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
AGS828RR	10/27	10/27	10/27
N8001	1	0	1
N05-7432	6	1	3
AG7934	4	3	3
G08-3279 RR	-1	2	1
G10-3833 RR	2	-2	0
G10-3913R2	-1	-1	-1
G10PR-56264R2	-1	0	-1
G10PR-56444R2	1	-2	0
G11PR-209R2	-4	-4	-4
G11PR-407R2	4	1	2
G11PR-56151R2	0	-2	-1
N09-13317	5	1	3
N09-13671	2	-3	-1
NLM09-52	3	1	2
SC09-092RR	3	2	2
SC09-102RR	4	1	3
SC09-210RR	4	0	2
SC10-394RR	4	0	2
SC10-456RR	2	-1	0
Mean	2	0	1



**TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS828RR	10/21	10/24	11/3	10/25	10/9	10/25	10/24	10/23
N8001	-1	1	0	0	0	-1	-1	0
N05-7432	6	6	4	1	1	1	1	3
AG7934	1	5	4	0	0	0	1	2
G08-3279 RR	2	4	3	0	0	0	-2	1
G10-3833 RR	1	4	3	-1	0	0	-4	0
G10-3913R2	-1	1	2	-1	-1	-1	-3	-1
G10PR-56264R2	1	1	1	-3	-3	-3	-4	-1
G10PR-56444R2	0	5	4	1	7	1	-2	2
G11PR-209R2	-1	-1	-1	-1	-3	-1	-3	-2
G11PR-407R2	2	3	2	-2	-1	-2	-4	0
G11PR-56151R2	1	3	0	-3	-2	-3	-6	-1
N09-13317	5	1	2	0	0	0	-2	1
N09-13671	1	1	0	-1	-1	-1	-3	0
NLM09-52	3	4	5	2	2	2	-1	2
SC09-092RR	5	7	2	3	2	3	-4	2
SC09-102RR	5	9	4	1	1	22	-2	6
SC09-210RR	3	4	5	2	2	2	-1	3
SC10-394RR	-1	11	8	-2	-1	24	-3	5
SC10-456RR	-2	10	8	-4	-3	24	-7	4
Mean	2	4	3	0	0	3	-2	1

**TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
AGS828RR	34	46	40
N8001	33	48	40
N05-7432	36	38	37
AG7934	37	41	39
G08-3279 RR	41	50	45
G10-3833 RR	40	25	34
G10-3913R2	36	48	42
G10PR-56264R2	42	45	43
G10PR-56444R2	37	41	39
G11PR-209R2	40	40	40
G11PR-407R2	36	46	41
G11PR-56151R2	31	62	45
N09-13317	37	47	42
N09-13671	36	37	37
NLM09-52	34	40	37
SC09-092RR	39	44	41
SC09-102RR	38	43	41
SC09-210RR	41	46	44
SC10-394RR	41	41	41
SC10-456RR	42	49	45
Mean	37	44	.

**TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS828RR	35	26	35	32	38	41	35	18	37	33
N8001	35	26	34	27	36	41	39	25	37	33
N05-7432	35	26	34	30	37	37	34	23	39	33
AG7934	38	27	38	33	42	39	41	25	38	36
G08-3279 RR	42	32	37	32	39	46	41	23	43	37
G10-3833 RR	38	26	37	33	43	39	38	25	40	35
G10-3913R2	38	28	38	33	39	42	40	26	39	36
G10PR-56264R2	36	27	37	28	39	41	41	25	41	35
G10PR-56444R2	38	27	36	33	36	37	41	26	37	35
G11PR-209R2	36	28	36	27	36	40	38	22	37	33
G11PR-407R2	35	20	35	34	37	41	42	26	41	35
G11PR-56151R2	40	29	35	31	38	40	41	26	41	36
N09-13317	38	25	36	34	39	43	40	25	37	35
N09-13671	35	23	35	26	37	37	38	20	35	32
NLM09-52	32	25	36	32	38	39	35	22	36	33
SC09-092RR	37	27	35	34	42	40	37	21	39	35
SC09-102RR	39	28	37	31	39	43	41	19	37	35
SC09-210RR	38	29	37	34	42	37	41	20	43	36
SC10-394RR	33	34	37	36	43	40	40	30	41	37
SC10-456RR	39	31	39	38	39	44	41	30	42	38
Mean	37	27	36	32	39	40	39	24	39	.

**TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
AGS828RR	3.0	2.5	2.8
N8001	3.0	2.2	2.6
N05-7432	3.0	2.2	2.6
AG7934	2.5	2.0	2.3
G08-3279 RR	2.8	2.5	2.6
G10-3833 RR	2.0	1.7	1.9
G10-3913R2	3.0	2.0	2.5
G10PR-56264R2	2.5	2.5	2.5
G10PR-56444R2	2.3	2.0	2.1
G11PR-209R2	2.8	2.2	2.5
G11PR-407R2	3.3	2.2	2.8
G11PR-56151R2	3.0	2.0	2.5
N09-13317	3.3	2.7	3.0
N09-13671	3.3	2.2	2.8
NLM09-52	3.0	2.0	2.5
SC09-092RR	2.3	2.0	2.1
SC09-102RR	2.3	1.7	2.0
SC09-210RR	2.3	1.7	2.0
SC10-394RR	1.5	1.5	1.5
SC10-456RR	2.2	2.0	2.1
Mean	2.7	2.1	.

**TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS828RR	1.3	1.0	3.7	2.0	3.5	1.0	.	.	2.7	2.2
N8001	1.0	1.0	4.0	1.0	3.5	1.0	.	.	1.7	1.9
N05-7432	1.0	1.0	3.7	1.7	3.5	1.0	.	.	2.3	2.0
AG7934	1.0	1.0	3.0	2.0	2.5	1.0	.	.	2.3	1.8
G08-3279 RR	1.0	1.0	4.0	1.7	3.2	1.0	.	.	1.3	1.9
G10-3833 RR	1.0	1.0	3.7	1.7	2.5	1.0	.	.	1.3	1.7
G10-3913R2	1.0	1.0	3.0	1.0	2.8	1.0	.	.	1.7	1.6
G10PR-56264R2	1.0	1.0	4.0	1.0	3.3	1.0	.	.	1.7	1.9
G10PR-56444R2	1.0	1.0	3.7	1.7	3.0	1.0	1.0	.	1.3	1.8
G11PR-209R2	1.0	1.0	3.7	1.0	3.2	1.3	.	.	2.3	1.9
G11PR-407R2	1.0	1.0	4.0	1.7	3.2	1.0	1.0	.	1.7	1.8
G11PR-56151R2	1.3	1.0	3.0	1.0	3.5	1.0	.	.	1.7	1.8
N09-13317	1.0	1.0	4.0	1.3	3.2	1.3	.	.	2.0	2.0
N09-13671	1.0	1.0	3.3	1.0	2.5	1.0	.	.	1.7	1.6
NLM09-52	1.0	1.0	3.3	2.0	2.3	1.3	.	.	1.7	1.8
SC09-092RR	1.0	1.0	3.7	1.0	2.5	1.0	.	.	1.3	1.6
SC09-102RR	1.0	1.0	3.3	1.0	2.8	1.0	.	.	1.7	1.7
SC09-210RR	1.0	1.0	3.7	1.0	2.7	1.0	.	.	1.3	1.7
SC10-394RR	1.0	1.0	3.0	1.3	2.2	1.0	1.0	.	2.0	1.6
SC10-456RR	1.0	1.0	3.7	1.7	3.0	1.0	.	1.0	1.7	1.8
Mean	1.0	1.0	3.6	1.4	2.9	1.1	1.0	1.0	1.8	.

**TABLE 110 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**East**

<b>STRAIN/ VARIETY</b>	<b>Clayton, NC</b>	<b>Kinston, NC</b>	<b>Area Mean</b>
AGS828RR	.	.	.
N8001	.	.	.
N05-7432	.	.	.
AG7934	.	.	.
G08-3279 RR	.	.	.
G10-3833 RR	.	.	.
G10-3913R2	.	.	.
G10PR-56264R2	.	.	.
G10PR-56444R2	.	.	.
G11PR-209R2	.	.	.
G11PR-407R2	.	.	.
G11PR-56151R2	.	.	.
N09-13317	.	.	.
N09-13671	.	.	.
NLM09-52	.	.	.
SC09-092RR	.	.	.
SC09-102RR	.	.	.
SC09-210RR	.	.	.
SC10-394RR	.	.	.
SC10-456RR	.	.	.
Mean	.	.	.

**TABLE 110 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2014**

**South**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Athens, GA(B)</b>	<b>Clemson, SC</b>	<b>Fairhope, AL</b>	<b>Florence, SC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Tallassee, AL(B)</b>	<b>Tifton, GA</b>	<b>Area Mean</b>
AGS828RR	1.2	1.5	.	1.0	3.3	1.3	1.0	1.0	1.5	1.5
N8001	1.2	1.5	.	1.0	2.3	1.3	1.0	.	1.7	1.4
N05-7432	1.2	1.2	.	1.0	2.2	1.2	1.0	1.0	1.5	1.3
AG7934	1.5	1.3	.	1.0	2.5	1.3	1.0	1.0	2.0	1.5
G08-3279 RR	1.2	1.5	.	1.0	2.7	1.2	1.0	1.0	1.5	1.4
G10-3833 RR	1.0	1.2	.	1.0	2.5	1.0	1.0	1.0	1.5	1.3
G10-3913R2	1.3	1.5	.	1.0	3.0	1.7	1.0	1.0	1.7	1.5
G10PR-56264R2	1.2	1.0	.	1.0	3.2	1.2	.	.	1.5	1.5
G10PR-56444R2	1.2	1.5	.	1.0	2.7	1.5	1.0	.	1.5	1.5
G11PR-209R2	1.0	1.2	.	1.0	2.8	1.3	1.0	.	1.5	1.4
G11PR-407R2	1.0	1.5	.	1.0	2.5	1.0	.	.	1.5	1.4
G11PR-56151R2	1.3	1.5	.	1.0	2.8	1.2	1.0	.	1.5	1.5
N09-13317	1.5	1.7	.	1.0	2.3	1.5	1.0	1.0	1.5	1.4
N09-13671	1.3	1.1	.	1.0	2.8	1.2	1.0	1.0	1.7	1.3
NLM09-52	1.2	1.3	.	1.0	2.2	1.7	1.0	.	1.5	1.4
SC09-092RR	1.2	1.0	.	1.0	2.0	1.3	.	1.0	1.5	1.3
SC09-102RR	1.2	1.5	.	1.0	2.2	1.2	.	.	1.5	1.4
SC09-210RR	1.5	1.5	.	1.2	2.7	1.3	.	1.5	1.7	1.6
SC10-394RR	1.2	1.5	.	1.0	2.7	1.2	.	.	1.5	1.5
SC10-456RR	1.0	1.3	.	1.0	2.8	1.3	.	.	1.5	1.5
Mean	1.2	1.4	.	1.0	2.6	1.3	1.0	1.1	1.6	.

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**TABLE 111 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

	<b>STRAIN/VARIETY</b>	<b>PARENTAGE</b>	<b>Fn</b>	<b>SPECIAL TRAITS</b>
1	AGS828RR	Prichard RR x SC96-1476		
2	N8001	N7001 x Cook		Diversity
3	N05-7432	N7002 x N98-7265		Diversity, slow wilting, resistant to Mn deficiency
4	AG7934	Commercial check		
5	G11-1057R2	{[G00-3209 x G01-PR68(Rpp?Hyuuga)]F2}x{G00-3213X RR2Y}	F5d	
6	G11-1591R2	G99-3211 X [G00-3213 X RR2Y]	F5d	
7	G11-1614R2	G99-3211 X [G00-3213 X RR2Y]	F5d	
8	G11-1633R2	G99-3211 X [G00-3213 X RR2Y]	F5d	
9	G11-1806R2	G99-3211 X (G00-3213 X RR2Y)	F5d	
10	G11-1880R2	G99-3211 X (G00-3213 X RR2Y)	F5d	
11	G11-1984R2	G99-3211 X (G00-3213 X RR2Y)	F5d	
12	SC10-128	SC98-1850/MANOKIN(2)		LJ
13	SC10-170	SC98-1850/MANOKIN(2)		LJ
14	SC10-231	SC98-1930/MANOKIN(2)		LJ
15	SC10-455RR	SC98-2070/SC01-783RR	F6	LJ

**TABLE 112 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY  
GROWN IN PRELIMINARY TEST VIII FOR YEAR 2014**

STRAIN/ VARIETY	SEED		AVG. MAT.		LOGGING	HEIGHT	SEED		% PROTEIN	% OIL	HG TYPE			SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK	RANK	INDEX			QUALITY	SIZE			2.5.7 Race 1	0 Race 3	2.5.7 Race 5					
AGS828RR	42.7	6	6	0	1.9	38	1.7	14.0	42.1	21.3	4	4	5	.				
N8001	37.2	12	11	2	1.6	39	1.5	15.6	41.6	21.0	5	5	3	.	P	G		
N05-7432	42.5	8	6	5	1.7	35	1.4	15.3	40.4	21.8	5	5	5	.	P	G		
AG7934	45.5	1	4	5	1.6	40	1.9	16.8	41.4	22.6	4	4	3	.				
G11-1057R2	36.9	13	13	5	1.8	44	1.7	17.7	42.1	22.6	1	1	3	.	P	G	BR	
G11-1591R2	42.4	9	6	5	1.7	41	1.7	15.4	42.1	21.7	4	1	4	.	W	T	T	
G11-1614R2	44.0	2	5	2	1.6	41	1.8	15.9	41.2	22.5	1	1	4	.	P	T	T	
G11-1633R2	42.9	4	7	5	1.7	44	1.5	16.0	42.5	22.5	1	2	4	.	P	T	T	
G11-1806R2	42.7	7	7	6	1.7	43	1.2	15.4	41.8	22.1	3	4	4	.	W	T	T	
G11-1880R2	42.7	5	7	8	1.8	44	1.5	17.1	41.0	22.2	4	2	4	.	W	T	T	
G11-1984R2	43.0	3	7	8	1.7	43	1.7	15.9	40.5	21.9	4	4	4	.	W	T	T	
SC10-128	36.8	14	12	-3	1.6	36	1.8	15.2	41.5	22.7	3	1	4	.	W	T		
SC10-170	37.9	11	11	-1	2.2	37	1.8	14.7	40.8	22.0	1	1	3	.	W	T		
SC10-231	35.4	15	12	-2	1.8	41	1.8	14.4	40.8	21.8	2	1	5	.	W	G		
SC10-455RR	41.6	10	6	4	1.3	39	1.6	16.0	41.4	22.3	3	4	4	.	P	G	T	
Mean	40.9	.	.	3	1.7	40	1.6	15.7	41.4	22.1	.	.	.	.				
LSD(0.05)	4.6	.	.	4	.	4	0.4	0.8	0.8	0.7	.	.	.	.				
CV(%)	13.3	.	.	75	.	9	21.0	4.6	1.6	2.8	.	.	.	.				

**TABLE 113 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	39.6	42.1	33.6	40.5	43.2	56.2	42.7
N8001	37.7	40.8	28.8	34.4	37.1	43.8	37.2
N05-7432	46.5	47.5	34.0	38.4	40.7	47.2	42.5
AG7934	37.3	46.7	34.4	45.7	46.2	59.4	45.5
G11-1057R2	32.3	38.3	32.0	28.3	38.8	51.6	36.9
G11-1591R2	39.4	41.4	35.2	37.4	42.5	58.0	42.4
G11-1614R2	35.5	43.0	44.0	41.1	41.1	59.8	44.0
G11-1633R2	32.0	46.1	46.0	39.0	38.8	57.3	42.9
G11-1806R2	36.1	42.3	43.2	37.6	41.8	56.0	42.7
G11-1880R2	35.8	49.0	38.4	31.3	41.4	58.8	42.7
G11-1984R2	45.3	39.1	41.6	34.0	40.3	58.2	43.0
SC10-128	37.0	40.1	29.2	33.6	34.7	45.9	36.8
SC10-170	38.6	38.9	32.8	37.8	36.5	42.9	37.9
SC10-231	38.5	42.6	28.4	30.8	30.5	41.2	35.4
SC10-455RR	36.1	44.1	35.6	42.4	42.5	49.5	41.6
Mean	37.8	42.8	35.8	36.8	39.7	52.4	40.9
LSD(0.05)	5.7	6.8	11.1	8.7	5.8	10.4	4.6
CV(%)	9.1	9.2	14.1	13.6	8.8	11.8	13.3

**TABLE 114 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	22.2	21.3	20.5	20.9	21.8	21.4	21.3
N8001	21.8	20.5	20.5	20.1	21.8	21.2	21.0
N05-7432	22.4	21.2	22.3	21.3	22.4	21.3	21.8
AG7934	23.3	21.9	22.3	22.1	23.1	23.1	22.6
G11-1057R2	22.6	22.2	22.5	22.2	23.0	23.2	22.6
G11-1591R2	22.2	21.4	21.1	20.8	22.4	22.1	21.7
G11-1614R2	23.2	21.5	22.4	22.0	23.2	23.0	22.5
G11-1633R2	23.2	21.6	22.4	21.8	22.9	22.9	22.5
G11-1806R2	22.7	22.0	21.9	21.3	22.5	22.4	22.1
G11-1880R2	23.2	21.5	21.5	21.5	22.6	23.2	22.2
G11-1984R2	22.8	21.1	21.2	21.0	22.4	23.0	21.9
SC10-128	22.8	26.2	21.4	20.8	22.1	22.7	22.7
SC10-170	22.7	21.4	22.0	21.3	22.3	22.5	22.0
SC10-231	23.5	20.7	21.8	20.8	22.4	21.9	21.8
SC10-455RR	22.8	22.1	21.8	21.6	23.1	22.6	22.3
Mean	22.8	21.8	21.7	21.3	22.5	22.4	.

**TABLE 115 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	39.7	42.1	42.8	42.3	42.3	43.4	42.1
N8001	39.3	41.6	42.4	42.8	41.5	42.0	41.6
N05-7432	37.8	41.1	40.5	40.8	40.3	41.7	40.4
AG7934	38.7	42.5	41.4	42.2	41.7	41.8	41.4
G11-1057R2	40.7	42.4	41.2	42.8	42.4	43.0	42.1
G11-1591R2	39.9	42.2	42.9	43.8	41.2	42.5	42.1
G11-1614R2	38.4	42.7	41.7	42.0	41.2	41.2	41.2
G11-1633R2	40.1	43.2	42.2	44.6	42.4	42.6	42.5
G11-1806R2	38.6	41.5	42.2	43.1	42.0	43.5	41.8
G11-1880R2	37.2	42.1	42.1	42.8	40.1	41.6	41.0
G11-1984R2	37.7	41.0	41.0	42.3	40.1	40.9	40.5
SC10-128	38.2	42.2	42.5	43.2	41.5	41.4	41.5
SC10-170	38.0	40.1	42.0	41.9	41.3	41.4	40.8
SC10-231	36.5	40.8	42.2	42.1	40.9	42.1	40.8
SC10-455RR	39.8	41.2	42.7	42.2	41.0	41.3	41.4
Mean	38.7	41.8	42.0	42.6	41.3	42.0	.

**TABLE 116 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	13.8	15.0	15.0	13.8	14.8	11.8	14.0
N8001	15.6	17.0	17.8	14.8	15.2	13.5	15.6
N05-7432	15.8	16.2	16.2	14.7	15.9	13.1	15.3
AG7934	16.7	17.1	17.6	17.8	16.9	14.8	16.8
G11-1057R2	19.3	17.8	18.8	16.1	18.3	16.2	17.7
G11-1591R2	14.6	15.9	17.3	15.6	14.8	14.4	15.4
G11-1614R2	15.8	16.4	17.6	15.5	16.0	14.5	15.9
G11-1633R2	15.8	15.8	17.7	15.5	15.8	15.5	16.0
G11-1806R2	16.0	15.9	17.3	14.5	14.9	13.8	15.4
G11-1880R2	15.3	17.5	20.0	17.4	17.0	15.7	17.1
G11-1984R2	16.2	15.7	17.3	15.9	15.6	15.0	15.9
SC10-128	13.9	15.3	16.4	16.1	16.3	13.4	15.2
SC10-170	13.5	14.7	17.3	14.6	15.8	12.2	14.7
SC10-231	14.4	14.5	15.6	14.1	14.8	13.0	14.4
SC10-455RR	14.6	16.6	19.0	15.9	16.3	13.7	16.0
Mean	15.4	16.1	17.4	15.4	15.9	14.1	.

**TABLE 117 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	10/20	10/27	.	10/25	.	.	10/24
N8001	3	1	.	3	.	.	2
N05-7432	6	4	.	6	.	.	5
AG7934	4	4	.	7	.	.	5
G11-1057R2	5	3	.	7	.	.	5
G11-1591R2	5	3	.	9	.	.	5
G11-1614R2	2	2	.	1	.	.	2
G11-1633R2	2	5	.	8	.	.	5
G11-1806R2	5	6	.	9	.	.	6
G11-1880R2	7	6	.	11	.	.	8
G11-1984R2	7	8	.	9	.	.	8
SC10-128	-8	0	.	0	.	.	-3
SC10-170	-5	1	.	2	.	.	-1
SC10-231	-8	1	.	0	.	.	-2
SC10-455RR	1	4	.	7	.	.	4
Mean	2	3	.	5	.	.	.

**TABLE 118 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	37	37	37	35	39	42	38
N8001	38	39	41	41	40	39	39
N05-7432	34	36	32	37	34	34	34
AG7934	37	42	36	46	38	43	40
G11-1057R2	43	35	43	44	49	49	44
G11-1591R2	41	38	40	45	41	42	41
G11-1614R2	38	40	40	46	43	40	41
G11-1633R2	45	36	44	48	43	46	44
G11-1806R2	47	32	43	44	42	46	42
G11-1880R2	47	34	42	45	47	51	44
G11-1984R2	42	37	41	45	44	46	43
SC10-128	33	39	36	36	39	37	36
SC10-170	35	37	36	35	42	38	37
SC10-231	40	40	36	43	45	42	41
SC10-455RR	36	40	41	42	36	37	38
Mean	39	37	40	42	41	42	.



**TABLE 119 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	1.3	2.8	2.0	2.0	1.0	3.0	1.9
N8001	1.0	2.8	2.3	1.8	1.0	1.0	1.6
N05-7432	1.0	2.8	2.0	2.0	1.0	1.5	1.7
AG7934	1.0	2.5	2.0	1.5	1.0	.	1.6
G11-1057R2	1.7	2.8	2.3	1.8	1.3	1.0	1.8
G11-1591R2	1.0	2.8	2.3	2.0	1.0	1.0	1.7
G11-1614R2	1.0	2.5	2.0	1.5	1.0	.	1.6
G11-1633R2	1.0	2.8	2.0	2.0	1.0	.	1.7
G11-1806R2	1.3	2.8	2.5	1.5	1.0	1.0	1.7
G11-1880R2	1.7	2.8	2.0	1.8	1.0	1.5	1.8
G11-1984R2	1.0	3.0	2.3	1.8	1.3	1.0	1.7
SC10-128	1.0	2.5	2.0	2.0	1.0	1.0	1.6
SC10-170	1.0	3.0	2.0	2.0	2.0	3.0	2.2
SC10-231	1.0	3.0	2.0	2.0	1.0	2.0	1.8
SC10-455RR	1.0	1.2	2.0	1.5	1.0	.	1.3
Mean	1.1	2.7	2.1	1.8	1.1	1.5	.

**TABLE 120 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2014**

<b>STRAIN/ VARIETY</b>	<b>Athens, GA(A)</b>	<b>Clayton, NC</b>	<b>Florence, SC</b>	<b>Kinston, NC</b>	<b>Plains, GA</b>	<b>Tallassee, AL(A)</b>	<b>Test Mean</b>
AGS828RR	1.3	.	3.0	.	1.3	1.0	1.7
N8001	1.0	.	2.8	.	1.3	1.0	1.5
N05-7432	1.0	.	2.5	.	1.0	1.0	1.4
AG7934	2.0	.	2.9	.	1.3	.	1.9
G11-1057R2	2.0	.	2.5	.	1.3	.	1.7
G11-1591R2	1.5	.	3.0	.	1.3	1.0	1.7
G11-1614R2	2.0	.	2.8	.	1.3	.	1.8
G11-1633R2	1.7	.	2.3	.	1.2	.	1.5
G11-1806R2	1.0	.	2.3	.	1.0	.	1.2
G11-1880R2	2.0	.	2.0	.	1.0	.	1.5
G11-1984R2	2.0	.	3.0	.	1.0	1.0	1.7
SC10-128	1.7	.	3.0	.	1.5	1.0	1.8
SC10-170	2.0	.	2.5	.	1.5	.	1.8
SC10-231	2.0	.	2.8	.	1.5	1.0	1.8
SC10-455RR	1.5	.	2.8	.	1.2	1.0	1.6
Mean	1.6	.	2.7	.	1.3	1.0	.