UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2009

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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: AG3906(RR), AG4103(RR), AG4403(RR), LD00-3309, DK4866, AG4903(RR), 5002T, 5601T, AG5605, Osage, JTN5503, Boggs RR, Dillon, NC-Roy, AGS758RR, Haskell RR, N7002, N02-7084, SC01-803RR, 97M50 and N8001.

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

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

POLICY ON EVALUATION AND RELEASE OF STRAINS

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

Qualifications for Participation in the Uniform Soybean Tests

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

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

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

Use of Uniform Soybean Test Entries in Soybean Breeding and Research

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

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

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

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

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

Release of Uniform Soybean Test Entries

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

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STRAIN DESIGNATION

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

AU	-	Alabama Agricultural Experiment Station, Auburn
B	-	Virginia Agricultural Experiment Station, Blacksburg
DB	-	Delta Branch Experiment Station, USDA-ARS
DS	-	Delta Branch Experiment Station, USDA-ARS
G	-	Georgia Agricultural Experiment Station
JTN	-	Tennessee Agricultural Experiment Station, Jackson and USDA-ARS
K	-	Kansas Agricultural Experiment Station
LG	-	Delta Branch Experiment Station, USDA-ARS
LS	-	Southern Illinois University, Carbondale
MD	-	Maryland Agricultural Experiment Station and USDA-ARS
N	-	North Carolina Agricultural Experiment Station and USDA-ARS
NCC	-	North Carolina Agricultural Experiment Station and USDA-ARS
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

SOYBEAN NURSERY INFORMATION

A. LOCATION CONTACT AND TESTS- 2009

LOCATION	CONTACT	AREA	IV-S-EARLY	IV-S-LATE	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
Rohwer,AR	P. Chen	Delta	P	P	U	P	U	P	U				
Pine Tree,AR	Matt Conatser	Delta	P	P	U	P	U	P	U				
Georgetown,DE	R. Uniatowski	East			U		U						
Calhoun,GA	Don Day	South							U		U		
Tifton,GA	Don Day	South							U		U		U
Athens,GA(A)	H. Roger Boerma	South							U	P	U	P	U
Athens,GA(B)	H. Roger Boerma	South									U		U
Plains,GA	H. Roger Boerma	South								P	U	P	U
Ullin,IL	Jim Klein	South		P	U	P	U						
Ullin,IL(SDS)	Cathty 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						
Princeton,KY	Eugene Lacefield	South			U		U						
Bossier City,LA	Blair Buckley	West			U		U		U		U		
Queenstown,MD	W. J. Kenworthy	East	P	P	U	P	U						
Portageville,MO(A)	Grover Shannon	Delta			U		U						
Portageville,MO(B)	Grover Shannon	Delta	P	P	U	P	U						
Starkville,MS	Brad Burgess	South			U		U						
Stoneville,MS	Gary Shelton	Delta	P	P	U	P	U	P	U				
Kinston,NC(B)	Andrea Cardinal	East						P	U				
Plymouth,NC(B)	Andrea Cardinal	East	P	P	U	P	U						
Kinston,NC(A)	Tommy Carter	East				P	U			P	U	P	U
Plymouth,NC(A)	Tommy Carter	East						P	U	P	U		
Jackson Springs,NC	Tommy Carter	East									U	P	U
Blackville,SC(A)	Emerson R. Shipe	South							U	P	U	P	
Blackville,SC(B)	Emerson R. Shipe	South									U		U
Clemson,SC	Emerson R. Shipe	South						P	U		U		U
Florence,SC	Emerson R. Shipe	South							U		U	P	U
Jackson,TN	P. Arelli	South	P	P		P							
Knoxville,TN	Vincent R. Pantalone	South	P		U		U						
Springfield,TN	Vincent R. Pantalone	South	P		U		U						
Cooper,TX	James J. Heitholt	West		P									
Orange,VA	David E. Starner	South	P		U		U						
Suffolk,VA	David Holshouser	East					U						
Warsaw,VA	Katy Martin Rainey	East	P	P	U	P	U						
Petersburg,VA	Tadesse Mebrahtu	East						P	U				
TOTAL LOCATIONS PLANTED			11	12	19	12	22	8	16	6	15	7	12
TOTAL LOCATIONS REPORTING DATA			9	10	15	10	18	8	15	5	12	5	11

B. PLANTING DATES – 2009

LOCATION	PIV-S-EARLY [z]	PIV-S-LATE	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								5/29	6/2		
Fairhope,AL									ND	ND	ND
Tallassee,AL(A)				6/11	6/11	6/11			6/11	6/11	6/11
Tallassee,AL(B)											7/16
Rohwer,AR	5/22	5/22	5/22	5/22			5/22	5/22	5/22		
Pine Tree,AR	5/19	5/19	5/19	5/19			5/19	5/19	5/19		
Georgetown,DE							6/4	6/4			
Calhoun,GA									ND	ND	
Tifton,GA									ND	ND	ND
Athens,GA(A)					5/15	5/15			5/15	5/15	5/15
Athens,GA(B)										5/15	5/15
Plains,GA					6/11	6/11				6/11	6/11
Ullin,IL		6/22	6/22				6/22	6/22			
Ullin,IL(SDS)							ND	ND			
McCune,KS		6/23	6/23				6/23	6/23			
Pittsburg,KS		6/24	6/24				6/24	6/24			
Princeton,KY							5/19	5/19			
Bossier City,LA							5/14	5/14	5/14	6/1	
Queenstown,MD	6/2	6/2	6/2				6/2	6/2			
Portageville,MO(A)							4/24	4/24			
Portageville,MO(B)	5/19	5/19	5/19				5/19	5/19			
Starkville,MS							4/28	4/28			
Stoneville,MS	4/22	4/22	4/22	4/22			4/22	4/22	4/22		
Kinston,NC(B)				5/13					5/13		
Plymouth,NC(B)	ND	ND	ND				ND	ND			
Kinston,NC(A)			6/21		6/23	6/23		6/21		6/23	6/23
Plymouth,NC(A)				5/27	5/27				5/27	5/27	
Jackson Springs,NC						6/3				6/3	6/3
Blackville,SC(A)					6/18	6/18			6/18	6/18	
Blackville,SC(B)										7/2	7/2
Clemson,SC				6/9					6/9	6/9	6/9
Florence,SC						ND			ND	ND	ND
Jackson,TN	5/13	5/13	5/13								
Knoxville,TN	5/14						5/14	5/14			
Springfield,TN	5/20						5/20	5/20			
Cooper,TX		ND									
Orange,VA	ND						ND	ND			
Suffolk,VA								5/19			
Warsaw,VA	5/19	5/19	5/19				5/19	5/19			
Petersburg,VA				5/22					5/22		

[z] ND = No dates reported

C. HARVEST DATES - 2009

LOCATION	PIV-S-EARLY [z]	PIV-S-LATE	PV	PVI	PVII	PVIII	UIV-S	UV	UVI	UVII	UVIII
Belle Mina,AL								11/3	11/4		
Fairhope,AL									ND	ND	ND
Tallassee,AL(A)				ND	ND	ND			ND	ND	ND
Tallassee,AL(B)											ND
Rohwer,AR	10/1	11/9	11/5	11/9			10/1	11/9	11/5		
Pine Tree,AR	9/28	10/19	11/5	11/5			10/19	11/5	11/5		
Georgetown,DE							12/22	12/22			
Calhoun,GA									ND	ND	
Tifton,GA									ND	ND	ND
Athens,GA(A)					11/9	11/9			10/26	11/9	11/9
Athens,GA(B)										11/9	11/9
Plains,GA					11/4	11/4				11/4	11/4
Ullin,IL		11/13	11/13				11/13	11/13			
Ullin,IL(SDS)							ND	ND			
McCune,KS		12/3	12/3				12/3	12/3			
Pittsburg,KS		11/12	11/12				11/12	11/12			
Princeton,KY							ND	ND			
Bossier City,LA							10/19	10/20	11/4	11/2	
Queenstown,MD	10/22	11/11	12/11				Wet soil	Wet soil			
Portageville,MO(A)							9/29	10/20			
Portageville,MO(B)	11/7	11/7	11/7				11/7	11/7			
Starkville,MS							9/30	10/22			
Stoneville,MS	9/10	9/30	9/30	10/20			9/30	9/30	10/20		
Kinston,NC(B)				11/10					11/10		
Plymouth,NC(B)	Deer damage										
Kinston,NC(A)			ND		ND	ND		ND		ND	ND
Plymouth,NC(A)				ND	ND				ND	ND	
Jackson Springs,NC						ND				Not Uniform	ND
Blackville,SC(A)					Wet soil	Wet soil			1/6	Wet soil	
Blackville,SC(B)										12/17	12/17
Clemson,SC				1/11					1/11	1/11	1/11
Florence,SC						Not Uniform			Not Uniform	Not Uniform	Not Uniform
Jackson,TN	10/1	10/20	charcoal rot								
Knoxville,TN	9/25						10/9	10/22			
Springfield,TN	10/20						10/22	11/2			
Cooper,TX		ND									
Orange,VA	Wet soil						Wet soil	Wet soil			
Suffolk,VA								12/9			
Warsaw,VA	10/14	10/14	10/23				10/21	10/21			
Petersburg,VA				11/4					11/4		

[z] ND = No dates reported

D. AGRONOMIC CHARACTERISTICS OF LOCATIONS - 2009

LOCATIONS	Row Spacing [x]	Planted Length [y]	Harvested Length [z]	Trial Bordered	End Trimmed	# Rows Planted	# Rows Harvested	Prior Crop	Irrigated	Soil Type
Belle Mina,AL	30	20	16	No	Yes	4	2	Cotton	No	Decatur silt loan
Fairhope,AL	38	20	16	Yes	Yes	4	2	Cotton	No	Malbis fine sandy loan
Tallassee,AL(A)	30	16	12	Yes	Yes	4	2	Fallow	No	Cahaba fine sandy loam
Tallassee,AL(B)	30	16	12	Yes	Yes	4	2	Fallow	No	Cahaba fine sandy loam
Rohwer,AR	19	20	20	Yes	No	5	3	Soybean	Yes	Sharkey clay, Desha silt loam
Pine Tree,AR	30	20	18.5	No	Yes	4	2	Rice	Yes	Calloway silt loam
Georgetown,DE	15	23	19	Yes	No	5	5	Soybean	Yes	Evesboro loamy sand
Calhoun,GA	30	20	16	Yes	Yes	4	2	Corn	Yes	Rome gravelly clay loam
Tifton,GA	30	20	16	Yes	Yes	4	2	Corn	Yes	Tifton sandy loam
Athens,GA(A)	30	20	12	Yes	Yes	4	2	Grain sorghum. Cotton, Soybeans	Yes	Altavista loamy coarse sand, Cecil coarse sandy loam, Appling coarse sandy loam
Athens,GA(B)	30	20	12	Yes	Yes	4	2	Grain sorghum	Yes	Appling coarse sandy loam
Plains,GA	30	20	12	Yes	Yes	4	2	Corn	Yes	Greenville sandy clay loam
Ullin,IL	30	20	20	Yes	No	4	2	Corn	No	Bonnie silt loam
McCune,KS	30	11	11	Yes	No	4	2	Corn	No	Parsons silt loam
Pittsburg,KS	30	11	11	Yes	No	4	2	Wheat	No	Parsons silt loam
Princeton,KY	16	20	16	Yes	Yes	6	4	Tobacco	No	Crider silt loam
Bossier City,LA	40	28	22	Yes	Yes	4	2	Corn	Yes	Latanier clay
Queenstown,MD	24	20	16	Yes	Yes	4	2	Corn	No	Mattapeake silt loam
Portageville,MO(A)	30	12	12	Yes	No	4	2	Soybean	Yes	Dundee silt loam
Portageville,MO(B)	30	12	12	Yes	No	4	2	Soybean	Yes	Sharkey clay
Starkville,MS	18	20	15	Yes	Yes	3	3	Corn	No	Brooksville silty clay
Stoneville,MS	24	18.5	16	Yes	Yes	5	3	No rotation/	Yes	Sharkey clay
Kinston,NC(B)	38	18	15	Yes	Yes	3	1	Corn, Corn	No	Stallings loamy sand
Plymouth,NC(B)	38	16	13	Yes	Yes	4	2		Yes	
Kinston,NC(A)	38	18	15	Yes	Yes	3	1	Corn, Corn	No	Stallings loamy sand
Plymouth,NC(A)	38	19	16	Yes	Yes	3	1	Corn, Corn	No	Portsmouth silt loam
Jackson Springs,NC	38									Wagram sand
Blackville,SC(A)	38	20	12	Yes	Yes	4	2	Soybean	Yes	Faceville sandy loam
Blackville,SC(B)	38	20	12	Yes	Yes	4	2	Soybean	Yes	Norfolk sandy loam
Clemson,SC	38	20	12	Yes	Yes	4	2	Soybean	No	Cecil sandy loam
Florence,SC	38	20	12	Yes	Yes	4	2	Corn	No	Goldsboro sandy loam
Jackson,TN	30	20	20	Yes	No	4	2	Soybean	No	Lexington silt loam
Knoxville,TN	30	20	16	Yes	Yes	4	2	1 year, corn	Yes	Sequatchie silt loam
Springfield,TN	30	25	16	Yes	Yes	4	2	1 year, corn	Yes	Mountview Silt Loam
Cooper,TX	30	20	17	Yes	Yes	4	2	Corn	No	Houston black clay
Orange,VA	30									Starr silty clay loam
Suffolk,VA	20									Lynchburg fine sandy loam
Warsaw,VA	30	18	12	Yes	Yes	4	2	05 Corn/05, 06 small grains	No	Kempsville loam
Petersburg,VA	30	16	14	No	Yes	4	2	Winter rye	Yes	Abell sandy loam

[x] Row spacing in inches

[y] Row length in feet

[z] Harvested row length in feet

E. WEATHER STATION URL

LOCATION	URL
Belle Mina,AL	
Fairhope,AL	
Tallassee,AL(A)	
Tallassee,AL(B)	
Rohwer,AR	http://www.aragriculture.org/weather/default.asp
Pine Tree,AR	
Georgetown,DE	
Calhoun,GA	www.aemn.uga.edu
Tifton,GA	www.aemn.uga.edu
Athens,GA(A)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP
Athens,GA(B)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP
Plains,GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL
Ullin,IL	
McCune,KS	http://www.oznet.ksu.edu/wdl/
Pittsburg,KS	http://www.oznet.ksu.edu/wdl/
Princeton,KY	(http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct226.pdf).
Bossier City,LA	www.lsuagcenter.com/weather/tabledata.asp
Queenstown,MD	
Portageville,MO(A)	
Portageville,MO(B)	http://agebb.missouri.edu/weather/stations/pemiscot/index.htm
Starkville,MS	http://agebb.missouri.edu/weather/stations/pemiscot/index.htm
Stoneville,MS	
Kinston,NC(B)	Kinston, NC: http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&temporal=D
Plymouth,NC(B)	Plymouth, NC (Tidewater Research Station): http://www.nc-climate.ncsu.edu/cronos/?station=PLYM
Kinston,NC(A)	Kinston, NC: http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&temporal=D
Plymouth,NC(A)	Plymouth, NC (Tidewater Research Station): http://www.nc-climate.ncsu.edu/cronos/?station=PLYM
Jackson Springs,NC	
Blackville,SC(A)	http://www.ncdc.noaa.gov/crn/
Blackville,SC(B)	http://www.ncdc.noaa.gov/crn/
Clemson,SC	http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&graphspan=month&month=6&day=1&year=2007
Florence,SC	
Jackson,TN	
Knoxville,TN	
Springfield,TN	
Cooper,TX	
Orange,VA	
Suffolk,VA	
Warsaw,VA	http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472,102
Petersburg,VA	http://www.accuweather.com/forecast-climo.asp?partner=30371&traveler=0&zipChg=1&zipcode=23841&metric=0

METHODS

CULTURAL PRACTICES

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

MATURITY, HARVEST, AND YIELD

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

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

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

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

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

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

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

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

Oil and Protein. Oil and protein percentages were determined from representative locations of the uniform and preliminary tests. A 25-30-g composite sample of each strain from all replications at a location was sent to the USDA-ARS, National Center for Agricultural Utilization Research at Peoria, Illinois for analysis. Two samples of 9-10 g of seed were analyzed for protein and oil composition with a Model

1255 Infratec NIRT food and feed 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.

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). The SCN race 2, 3, and 14 screenings were conducted in the greenhouse at Jackson, Tennessee. One seed of each soybean entry (UVI-S - UVIII and PIV-S - PVIII) was planted in sterile soil mix with 7 replications per each SCN population. At the time of planting, 2,000 eggs of the population being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of cysts on the roots. The ratings were as follows: 1 = 0-5 cysts on the

roots, 2 = 6-10 cysts on the roots, 3 = 11-20 cysts on the roots, 4 = 21-40 cysts on the roots, and 5 = > 40 cysts on the roots. The mean rating reported for each population was calculated as follows: Mean rating = (Rating category x # plants receiving rating)/Total # of plants.

In 2009, the HG Type of the populations was as follows: race 2 was HG Type 1.2.5.7, race 3 was HG Type 5.7, and race 14 was HG Type 1.3.5.6.7.

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 isolate Li-91 of the fungus on autoclaved toothpicks. Twelve plants per plot were inoculated by forcing a toothpick through the stem in the upper one-third of the plant. Stem canker lesion development was rated after the susceptible check had been killed by the disease. Plants having any external lesion were rated as S.

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 (two) and resistant checks respectively, were 50, 33 and 2. The DX for the UV susceptible and resistant checks, respectively, were 31 and 10.

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 I rep of data was provided for variables other than yield, the actual values for that rep were presented.

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

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

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

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

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

IDENTIFICATION OF PARENT STRAINS - UPDATED IN 2004

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

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TABLE 1 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	DK 4866	Commercial check		
3	AG 4403	Commercial check		
4	AG 4903	Commercial check		
5	B04-7820	LG92-4208 x LG94-1128	F4	
6	JTN-4307	S97-1688 x V 94-0198-5-LOAM02	F9	SCN
7	JTN-4408	S97-1753 x V94-0198-9-LOAM02	F10	SCN
8	JTN-4507	S97-1688 x V94-0198-13-LOAM02	F10	SCN
9	JTN-4508	SS94-7546 X LS96-0735	F8	SCN
10	JTN-4607	LS94-3207 X S95-1908-3-LOAM02	F11	SCN
11	LG01-5087-5	LN93-11632 x LG96-1713	F7	
12	LG01-5087-9	LN93-11632 x LG96-1713	F7	
13	Md 05-5276	Md 97-5905 x K1401	F5	
14	NCC05-1168	TN97-167xS99-2281	F4:8	
15	NCC05-1261	TN97-167xS99-2281	F4:8	
16	R04-122	Ozark x R00-214F		
17	R05-4114	R98-1523 x 98601		
18	S06-10572	S02-6816(PT) x S02-390 RR(WT)	F5	
19	S06-3929	U99-311442(PG) X S02-390(WT)	F5	
20	V03-4660	V93-2329 X Anand	F4	
21	V03-4705	V93-2329 X Anand	F4	
22	V04-0807	ESSEX RR X V94-0189	F4	
23	V04-5842	V94-0436 X V93-2329	F4	

TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

STRAIN/	AVERAGE		YIELD ‡			PROTEIN ‡			OIL ‡		
VARIETY	RANK	RANK	2009	08-09	07-09	2009	08-09	07-09	2009	08-09	07-09
5002T	8	9	54.0	54.5	53.0	39.9	39.7	39.8	19.9	20.4	20.9
DK 4866	2	8	56.7	54.2	53.2	40.2	39.6	39.5	20.5	20.9	20.8
AG 4403	11	12	52.3	50.6	48.5	39.2	38.9	38.8	21.5	22.0	22.4
AG 4903	1	6	58.0	53.9	52.6	40.3	39.9	40.0	21.1	21.4	21.5
B04-7820	23	19	45.6	.	.	41.9	.	.	19.6	.	.
JTN-4307	18	14	50.4	48.4	.	40.9	41.1	.	19.2	19.8	.
JTN-4408	6	10	54.3	.	.	40.3	.	.	19.9	.	.
JTN-4507	13	13	51.7	49.1	.	40.7	41.0	.	20.0	20.3	.
JTN-4508	12	12	51.9	.	.	41.0	.	.	20.2	.	.
JTN-4607	21	16	47.8	47.4	.	40.8	40.5	.	19.5	20.1	.
LG01-5087-5	3	9	55.2	.	.	39.7	.	.	20.9	.	.
LG01-5087-9	4	10	54.8	51.0	.	39.0	38.7	.	20.7	21.2	.
Md 05-5276	22	17	46.8	.	.	41.2	.	.	21.0	.	.
NCC05-1168	7	10	54.0	.	.	39.7	.	.	19.8	.	.
NCC05-1261	10	10	53.5	.	.	40.3	.	.	19.4	.	.
R04-122	5	9	54.8	53.8	.	38.8	38.5	.	20.2	20.7	.
R05-4114	9	11	53.8	53.2	.	41.5	41.5	.	19.4	19.9	.
S06-10572	19	15	48.6	.	.	41.3	.	.	19.9	.	.
S06-3929	15	12	51.5	.	.	41.7	.	.	20.0	.	.
V03-4660	20	15	48.2	49.3	.	41.5	41.4	.	20.1	20.4	.
V03-4705	14	12	51.5	53.0	.	41.3	41.2	.	20.1	20.4	.
V04-0807	16	14	51.0	.	.	41.4	.	.	20.6	.	.
V04-5842	17	13	51.0	.	.	42.7	.	.	19.6	.	.
Mean	.	.	52.0	.	.	40.7	.	.	20.1	.	.
LSD(0.05)	.	.	4.5	.	.	0.8	.	.	0.5	.	.
CV(%)	.	.	14.1	.	.	1.8	.	.	2.4	.	.

‡Data not included in mean: 2008 – Bossier City, LA; Knoxville, TN; Queenstown, MD; Springfield, TN
2007 – Knoxville, TN; Pinetree, AR; Princeton, KY; Springfield, TN

TABLE 3 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
5002T	0	2.0	26	1.9	15.2			
DK 4866	-4	1.7	34	2.4	14.7			
AG 4403	-8	1.5	34	2.7	13.9			
AG 4903	-2	1.6	34	2.4	14.9			
B04-7820	-8	2.2	34	3.0	14.3	P	T	BR.
JTN-4307	1	2.1	31	2.1	12.9	P	T	T
JTN-4408	2	2.1	30	2.1	14.4	W	T	
JTN-4507	2	2.0	31	1.9	12.8	W	T	T
JTN-4508	-2	2.4	37	2.4	14.4	P	T	T
JTN-4607	-4	2.2	30	2.3	14.0	W	T	T
LG01-5087-5	-3	2.6	41	2.5	13.9	P	G	Br
LG01-5087-9	-4	2.5	38	2.5	13.4	P	G	Br
Md 05-5276	-7	2.0	36	2.9	17.0	P	T	
NCC05-1168	0	2.1	29	2.3	13.3	W	G	T
NCC05-1261	-1	2.0	27	2.2	13.0	W	G	T
R04-122	3	2.4	29	2.0	15.3	P	G	Tn
R05-4114	1	2.2	30	1.9	12.4	P	G	Tn
S06-10572	-7	2.0	32	3.0	17.6	W	T	
S06-3929	-4	1.8	32	3.2	14.7	P	T	
V03-4660	0	2.2	29	2.1	13.2	P	T	TAN
V03-4705	1	2.1	27	2.2	13.9	P	T	TAN
V04-0807	0	2.1	40	2.1	13.8	P	G	TAN
V04-5842	0	1.8	25	2.2	13.4	W	G	TAN
Mean	-2	2.1	32	2.4	14.2			
LSD(0.05)	4	0.4	3	0.4	0.9			
CV(%)	252	31.0	14	23.0	7.3			

TABLE 4 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 1.3.5.6.7 Race 14	PRK GA	SRK GA	SMV G1 REACTION	SC RATING	SC SCORE	SDS DX
5002T	5	5	4	3.3	5.0	R	R	1	1
DK 4866	5	5	2	2.5	5.0	Sev	S	5	5
AG 4403	5	5	3	5.0	4.3	Sev	MS	4	8
AG 4903	5	5	5	3.5	5.0	Seg Sev	MS	4	20
B04-7820	5	5	5	4.3	5.0	Sev	R	1	39
JTN-4307	1	1	2	2.5	1.0	Sev	R	1	31
JTN-4408	2	1	3	2.5	2.3	Sev	MR	2	33
JTN-4507	5	2	5	2.3	4.5	Sev	R	1	22
JTN-4508	5	4	4	5.0	4.5	Sev	R	1	22
JTN-4607	1	1	2	3.3	1.5	Sev	R	1	11
LG01-5087-5	5	5	5	3.5	5.0	Sev	R	1	6
LG01-5087-9	5	4	5	4.8	5.0	Sev	R	1	8
Md 05-5276	5	4	4	1.3	5.0	Sev	MS	4	31
NCC05-1168	5	2	3	1.8	1.0	Sev	R	1	33
NCC05-1261	5	1	5	3.0	3.0	Sev	R	1	19
R04-122	5	4	5	5.0	4.3	Mild	MR	2	0
R05-4114	5	4	3	3.0	4.8	Seg Sev	R	1	53
S06-10572	5	4	3	5.0	3.0	Sev	R	1	12
S06-3929	5	4	3	1.8	5.0	Sev	R	1	14
V03-4660	5	2	3	5.0	4.8	Sev	R	1	7
V03-4705	5	5	3	4.8	5.0	Sev Few	SS	3	17
V04-0807	5	5	4	4.8	5.0	Sev	R	1	14
V04-5842	5	5	5	3.8	4.0	R	R	1	20

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Portageville, MO(A)*	*Portageville, MO(B)*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
5002T	46.6	51.2	53.9	56.2	61.7	53.8
DK 4866	63.7	62.4	49.3	63.3	63.4	60.3
AG 4403	51.3	59.3	47.8	44.0	64.5	53.4
AG 4903	68.5	62.3	51.7	53.8	68.7	61.0
B04-7820	49.3	47.5	38.6	40.9	58.5	46.8
JTN-4307	56.0	46.9	51.2	45.5	59.8	51.9
JTN-4408	72.9	63.1	48.2	45.6	64.6	59.1
JTN-4507	61.4	49.4	54.1	51.0	63.3	55.8
JTN-4508	65.5	61.2	47.6	32.0	60.0	53.5
JTN-4607	56.5	53.0	41.0	24.1	59.9	46.9
LG01-5087-5	61.3	68.1	45.0	45.7	61.0	56.2
LG01-5087-9	72.8	67.2	45.3	47.7	51.1	56.8
Md 05-5276	43.7	46.0	30.9	41.3	57.9	43.9
NCC05-1168	55.4	57.4	54.3	51.9	67.0	57.2
NCC05-1261	48.4	53.2	55.8	42.0	65.3	52.9
R04-122	63.7	52.7	51.8	63.7	63.5	59.1
R05-4114	70.1	54.6	60.0	45.4	61.1	58.3
S06-10572	46.7	47.8	35.6	47.3	54.4	46.2
S06-3929	56.9	59.6	41.7	26.0	66.8	50.4
V03-4660	58.0	37.2	51.5	51.5	43.3	48.2
V03-4705	56.8	42.0	54.5	51.4	48.5	50.5
V04-0807	58.9	55.6	50.5	50.4	54.7	54.0
V04-5842	62.0	49.0	49.1	45.0	59.6	53.0
Mean	58.5	54.2	48.2	46.3	59.9	53.5
LSD(0.05)	10.2	5.9	3.5	11.1	7.4	8.9
CV(%)	10.5	6.6	4.4	11.4	7.5	14.8

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

East

STRAIN/ VARIETY	*Georgetown, DE*	*Warsaw, VA*	*Area Mean*
5002T	47.5	71.0	59.3
DK 4866	40.8	66.6	53.8
AG 4403	49.1	62.5	55.6
AG 4903	55.8	68.6	62.0
B04-7820	40.0	56.8	48.3
JTN-4307	43.2	63.2	53.1
JTN-4408	51.2	65.0	57.9
JTN-4507	48.8	63.0	55.7
JTN-4508	43.4	71.6	57.7
JTN-4607	41.8	65.2	53.6
LG01-5087-5	45.6	75.8	60.9
LG01-5087-9	38.6	72.6	55.9
Md 05-5276	41.0	58.6	49.7
NCC05-1168	41.8	69.7	56.0
NCC05-1261	47.7	68.6	58.2
R04-122	45.6	74.2	60.1
R05-4114	40.8	69.7	55.4
S06-10572	49.3	58.7	53.7
S06-3929	45.3	73.6	59.6
V03-4660	44.8	71.0	58.0
V03-4705	55.5	62.8	58.8
V04-0807	38.4	69.4	54.1
V04-5842	49.1	70.6	59.8
Mean	45.4	67.3	56.4
LSD(0.05)	9.9	6.3	11.0
CV(%)	10.5	5.6	11.0

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

South

STRAIN/ VARIETY	*Knoxville, TN*	*Princeton, KY*	*Springfield, TN*	*Starkville, MS*	*Ullin, IL*	*Area Mean*
5002T	74.2	76.3	59.8	43.7	54.1	61.6
DK 4866	71.7	68.6	52.6	42.9	60.7	59.3
AG 4403	65.8	66.5	46.9	37.1	65.4	56.3
AG 4903	67.2	75.7	54.4	33.5	65.1	59.2
B04-7820	57.4	60.0	45.9	34.6	49.8	49.6
JTN-4307	71.0	67.2	53.5	40.4	40.6	54.5
JTN-4408	66.9	68.6	59.9	53.5	49.5	59.7
JTN-4507	56.8	65.8	51.9	50.8	47.4	54.5
JTN-4508	70.5	65.4	49.2	35.2	54.3	54.9
JTN-4607	76.4	61.0	48.0	37.6	51.9	55.0
LG01-5087-5	75.9	64.0	50.2	44.5	56.4	58.2
LG01-5087-9	75.2	56.8	51.1	51.9	61.7	59.4
Md 05-5276	68.6	69.9	51.1	22.2	51.7	52.7
NCC05-1168	75.3	64.3	53.0	48.9	53.2	58.9
NCC05-1261	70.9	70.8	54.9	50.2	60.4	61.5
R04-122	75.0	70.9	59.5	41.7	60.1	61.5
R05-4114	53.2	71.8	58.6	63.4	46.5	58.1
S06-10572	64.9	57.6	53.3	35.3	59.9	54.2
S06-3929	77.3	63.3	45.6	29.0	60.2	55.1
V03-4660	62.7	59.3	52.3	33.6	56.1	52.8
V03-4705	74.0	73.9	53.2	37.6	56.2	59.0
V04-0807	59.1	61.6	50.3	47.7	47.8	53.3
V04-5842	69.5	67.3	50.7	30.3	50.5	53.7
Mean	68.7	66.4	52.4	41.1	54.8	56.6
LSD(0.05)	8.5	7.2	12.4	8.0	11.7	8.1
CV(%)	7.5	6.6	14.4	11.7	13.0	14.2

TABLE 5 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST IV-S FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*McCune, KS*	*Pittsburg, KS*	*Area Mean*
5002T	26.8	40.7	46.5	38.0
DK 4866	34.7	55.2	55.1	48.3
AG 4403	24.8	49.2	49.9	41.3
AG 4903	40.0	52.2	52.5	48.2
B04-7820	28.0	39.1	38.8	35.3
JTN-4307	44.0	37.8	35.3	39.0
JTN-4408	29.2	35.5	39.9	34.9
JTN-4507	39.3	35.5	38.2	37.7
JTN-4508	32.5	43.2	45.1	40.3
JTN-4607	23.3	39.7	37.9	33.6
LG01-5087-5	40.5	47.3	45.7	44.5
LG01-5087-9	37.8	45.1	45.7	42.9
Md 05-5276	21.0	47.0	50.5	39.5
NCC05-1168	33.3	40.6	43.4	39.1
NCC05-1261	26.7	41.8	45.4	37.9
R04-122	28.3	36.5	34.0	32.9
R05-4114	38.3	36.2	38.0	37.5
S06-10572	31.5	46.9	40.4	39.6
S06-3929	31.5	50.6	43.3	41.8
V03-4660	25.2	38.7	38.6	34.2
V03-4705	22.5	42.7	43.1	36.1
V04-0807	40.8	41.8	38.5	40.4
V04-5842	24.2	42.7	45.0	37.3
Mean	31.5	42.9	43.1	39.1
LSD(0.05)	5.1	4.6	6.1	8.8
CV(%)	9.9	6.5	8.6	15.3

TABLE 6 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

STRAIN/ VARIETY	*Knoxville, TN*	*Pittsburg, KS*	*Portageville, MO(B)*	*Princeton, KY*	*Rohwer, AR*	*Ullin, IL*	*Warsaw, VA*	*Test Mean*
5002T	20.3	18.1	20.3	20.2	20.5	20.0	20.0	19.9
DK 4866	20.4	20.3	20.7	21.1	20.3	20.6	20.2	20.5
AG 4403	21.6	21.0	21.9	20.9	22.5	21.7	20.6	21.5
AG 4903	21.2	20.4	21.5	21.3	21.4	21.6	20.1	21.1
B04-7820	20.2	18.5	19.1	20.5	20.5	20.0	18.7	19.6
JTN-4307	19.7	17.8	20.0	19.8	19.5	19.7	18.1	19.2
JTN-4408	20.6	18.8	20.2	19.9	20.3	20.2	18.9	19.9
JTN-4507	20.8	18.8	21.1	19.7	21.2	19.8	18.8	20.0
JTN-4508	20.6	20.0	19.8	20.8	21.2	20.2	18.8	20.2
JTN-4607	19.5	19.0	18.8	20.7	20.0	19.6	18.7	19.5
LG01-5087-5	21.2	21.2	21.1	20.9	20.4	21.3	20.6	20.9
LG01-5087-9	21.0	20.3	21.1	20.4	21.2	21.2	20.0	20.7
Md 05-5276	21.3	20.2	21.4	21.5	21.7	21.0	20.1	21.0
NCC05-1168	19.9	19.1	19.9	19.7	19.9	19.7	20.6	19.8
NCC05-1261	19.5	19.9	20.0	19.3	19.8	19.1	18.3	19.4
R04-122	20.8	19.7	20.2	20.1	20.3	20.4	20.0	20.2
R05-4114	19.1	19.4	18.9	19.3	20.3	19.9	19.1	19.4
S06-10572	20.1	19.8	20.3	20.1	20.1	20.4	18.8	19.9
S06-3929	20.0	18.8	20.9	20.5	19.9	20.9	19.4	20.0
V03-4660	20.3	20.0	20.8	19.9	19.8	20.0	19.7	20.1
V03-4705	21.0	19.4	20.2	19.6	20.3	21.1	18.9	20.1
V04-0807	21.5	19.8	21.6	20.4	20.9	20.9	19.3	20.6
V04-5842	19.6	19.2	19.6	19.9	19.9	20.2	18.5	19.6
Mean	20.4	19.5	20.4	20.3	20.5	20.4	19.4	.

TABLE 7 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

STRAIN/ VARIETY	Knoxville, TN	Pittsburg, KS	Portageville, MO(B)	Princeton, KY	Rohwer, AR	Ullin, IL	Warsaw, VA	Test Mean
5002T	40.6	40.3	39.5	39.6	40.7	40.0	38.4	39.9
DK 4866	40.3	40.8	39.3	41.1	41.7	39.6	38.3	40.2
AG 4403	39.0	40.9	38.7	40.5	38.0	39.2	38.4	39.2
AG 4903	40.6	41.4	40.0	41.0	40.4	39.8	38.9	40.3
B04-7820	41.5	44.1	41.6	41.5	42.7	41.4	40.8	41.9
JTN-4307	40.7	42.5	41.8	41.6	40.9	38.6	40.0	40.9
JTN-4408	41.4	40.6	41.0	41.6	40.2	37.5	39.7	40.3
JTN-4507	40.9	40.8	42.1	41.3	40.6	39.3	39.7	40.7
JTN-4508	41.7	42.4	41.3	41.8	39.4	40.6	39.6	41.0
JTN-4607	41.2	41.4	41.2	40.9	41.5	39.0	40.2	40.8
LG01-5087-5	40.5	41.7	39.0	39.2	39.3	39.2	38.9	39.7
LG01-5087-9	38.3	39.9	39.6	39.5	38.0	39.7	38.0	39.0
Md 05-5276	40.9	42.6	40.0	41.7	41.4	40.8	40.8	41.2
NCC05-1168	40.3	39.5	39.8	39.5	39.7	38.7	40.3	39.7
NCC05-1261	40.8	41.3	40.8	40.4	40.1	39.7	39.0	40.3
R04-122	38.3	39.8	39.3	39.4	38.8	38.5	37.5	38.8
R05-4114	43.0	42.6	42.5	42.5	40.7	39.7	39.2	41.5
S06-10572	41.8	43.1	41.2	41.5	41.0	40.9	39.8	41.3
S06-3929	42.6	42.0	41.5	41.7	41.9	41.3	40.9	41.7
V03-4660	42.1	41.4	42.4	41.9	41.8	40.3	40.5	41.5
V03-4705	42.4	40.5	42.0	41.2	41.9	41.4	40.0	41.3
V04-0807	42.0	42.7	41.2	41.5	41.1	40.6	40.7	41.4
V04-5842	44.6	43.2	42.8	42.8	42.7	41.5	41.6	42.7
Mean	41.1	41.5	40.8	41.0	40.6	39.9	39.6	.

TABLE 8 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

STRAIN/ VARIETY	Bossier City, LA	Georgetown, DE	Knoxville, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(A)	Portageville, MO(B)	Princeton, KY	Rohwer, AR	Springfield, TN	Starkville, MS	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	13.3	.	14.6	.	18.0	15.9	14.8	16.6	16.0	.	.	.	14.5	14.5	14.2	15.2
DK 4866	14.2	.	13.6	.	15.0	16.2	13.4	16.9	13.9	.	.	.	14.7	15.1	13.8	14.7
AG 4403	13.3	.	12.5	.	13.2	15.5	13.1	14.4	13.5	.	.	.	16.9	13.6	12.7	13.9
AG 4903	14.2	.	12.9	.	15.7	17.3	13.8	17.1	14.8	.	.	.	13.4	15.5	13.9	14.9
B04-7820	14.1	.	13.8	.	13.9	17.3	12.7	14.6	13.8	.	.	.	12.6	16.2	13.6	14.3
JTN-4307	11.7	.	12.5	.	14.8	12.6	12.8	13.6	13.9	.	.	.	13.5	11.4	12.3	12.9
JTN-4408	13.9	.	13.8	.	16.3	13.5	14.2	15.5	15.1	.	.	.	14.7	13.2	13.6	14.4
JTN-4507	12.1	.	12.3	.	14.0	11.9	12.4	13.0	12.9	.	.	.	14.8	12.0	12.6	12.8
JTN-4508	13.9	.	13.3	.	14.5	18.2	12.6	14.7	14.4	.	.	.	15.1	14.2	13.5	14.4
JTN-4607	13.8	.	13.6	.	14.3	16.5	14.0	14.2	13.8	.	.	.	13.2	13.5	12.8	14.0
LG01-5087-5	12.4	.	13.9	.	14.9	16.9	13.3	14.4	14.6	.	.	.	10.4	14.3	13.4	13.9
LG01-5087-9	11.9	.	13.3	.	14.4	15.2	12.8	14.7	13.0	.	.	.	11.5	13.6	13.2	13.4
Md 05-5276	17.5	.	15.9	.	16.0	20.4	15.1	17.8	18.2	.	.	.	14.4	18.2	16.7	17.0
NCC05-1168	12.4	.	12.6	.	17.0	13.5	12.5	14.5	12.6	.	.	.	12.8	12.7	12.6	13.3
NCC05-1261	13.6	.	11.8	.	14.0	14.1	12.3	13.5	12.5	.	.	.	14.4	12.1	11.7	13.0
R04-122	14.0	.	15.7	.	16.7	15.6	14.9	17.7	15.3	.	.	.	14.8	14.6	14.0	15.3
R05-4114	9.3	.	11.2	.	13.6	13.4	11.3	14.8	12.7	.	.	.	13.8	11.9	11.9	12.4
S06-10572	17.0	.	16.9	.	18.1	19.9	15.4	17.9	18.3	.	.	.	14.8	19.1	18.3	17.6
S06-3929	14.1	.	14.1	.	15.7	15.5	14.4	16.2	13.9	.	.	.	13.4	14.8	14.5	14.7
V03-4660	12.5	.	12.1	.	14.3	13.4	13.8	14.6	12.9	.	.	.	13.4	13.0	12.1	13.2
V03-4705	12.5	.	13.0	.	15.8	14.8	12.5	15.0	14.8	.	.	.	13.3	14.7	12.4	13.9
V04-0807	14.2	.	12.5	.	14.1	14.2	11.6	13.8	13.3	.	.	.	18.2	12.8	13.5	13.8
V04-5842	13.2	.	12.8	.	14.3	14.3	11.5	14.6	14.1	.	.	.	13.5	13.3	12.7	13.4
Mean	13.4	.	13.4	.	15.2	15.5	13.3	15.2	14.3	.	.	.	14.0	14.1	13.5	.

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Portageville, MO(A)*	*Portageville, MO(B)*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
5002T	10/2	9/28	10/12	9/30	9/17	9/30
DK 4866	-6	-5	-8	-6	-13	-7
AG 4403	-16	-6	-12	-14	-21	-14
AG 4903	-3	-3	-5	-4	-8	-5
B04-7820	-17	-4	-15	-14	-19	-14
JTN-4307	1	0	0	-2	4	1
JTN-4408	2	2	1	-1	4	2
JTN-4507	3	1	2	0	4	2
JTN-4508	-2	-3	-5	-5	-6	-4
JTN-4607	-5	-4	-8	-2	-14	-7
LG01-5087-5	-4	-3	-6	-5	-13	-6
LG01-5087-9	-3	-3	-7	-8	-16	-7
Md 05-5276	-19	-6	-12	-9	-20	-13
NCC05-1168	0	-1	-1	-2	4	0
NCC05-1261	-3	-3	-1	-2	4	-1
R04-122	0	0	2	3	4	2
R05-4114	1	2	2	0	4	2
S06-10572	-17	-6	-10	-6	-21	-12
S06-3929	-7	-4	-9	-7	-14	-8
V03-4660	-3	-4	0	-1	7	0
V03-4705	-2	-3	2	1	7	1
V04-0807	-2	0	0	-5	4	-1
V04-5842	-2	-2	2	-1	4	0
Mean	-5	-2	-4	-4	-5	-4

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

East

STRAIN/ VARIETY	Georgetown, DE	Warsaw, VA	Area Mean
5002T	.	10/2	10/2
DK 4866	.	-4	-4
AG 4403	.	-11	-11
AG 4903	.	-1	-1
B04-7820	.	-10	-10
JTN-4307	.	3	3
JTN-4408	.	3	3
JTN-4507	.	4	4
JTN-4508	.	1	1
JTN-4607	.	2	2
LG01-5087-5	.	2	2
LG01-5087-9	.	-6	-6
Md 05-5276	.	-9	-9
NCC05-1168	.	0	0
NCC05-1261	.	-2	-2
R04-122	.	3	3
R05-4114	.	4	4
S06-10572	.	-10	-10
S06-3929	.	0	0
V03-4660	.	2	2
V03-4705	.	2	2
V04-0807	.	3	3
V04-5842	.	3	3
Mean	.	-1	-1

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

South

STRAIN/ VARIETY	*Knoxville, TN*	*Princeton, KY*	*Springfield, TN*	*Starkville, MS*	*Ullin, IL*	*Area Mean*
5002T	9/28	.	9/30	.	.	9/29
DK 4866	6	.	-2	.	.	2
AG 4403	14	.	-6	.	.	4
AG 4903	7	.	-4	.	.	2
B04-7820	15	.	-5	.	.	5
JTN-4307	2	.	-2	.	.	0
JTN-4408	5	.	-1	.	.	2
JTN-4507	3	.	0	.	.	2
JTN-4508	4	.	-2	.	.	1
JTN-4607	-1	.	-3	.	.	-2
LG01-5087-5	6	.	-2	.	.	2
LG01-5087-9	8	.	-2	.	.	3
Md 05-5276	14	.	-3	.	.	5
NCC05-1168	2	.	-2	.	.	0
NCC05-1261	4	.	0	.	.	2
R04-122	10	.	1	.	.	5
R05-4114	1	.	0	.	.	1
S06-10572	14	.	-3	.	.	6
S06-3929	3	.	-3	.	.	0
V03-4660	1	.	-2	.	.	0
V03-4705	2	.	-2	.	.	0
V04-0807	3	.	-2	.	.	0
V04-5842	1	.	-1	.	.	0
Mean	5	.	-2	.	.	2

TABLE 9 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

West

STRAIN/ VARIETY	***Bossier City, LA***	***McCune, KS***	***Pittsburg, KS***	***Area Mean***
5002T	9/22	.	.	9/22
DK 4866	2	.	.	2
AG 4403	-2	.	.	-2
AG 4903	3	.	.	3
B04-7820	-1	.	.	-1
JTN-4307	3	.	.	3
JTN-4408	6	.	.	6
JTN-4507	4	.	.	4
JTN-4508	2	.	.	2
JTN-4607	3	.	.	3
LG01-5087-5	-5	.	.	-5
LG01-5087-9	-1	.	.	-1
Md 05-5276	1	.	.	1
NCC05-1168	1	.	.	1
NCC05-1261	-5	.	.	-5
R04-122	1	.	.	1
R05-4114	0	.	.	0
S06-10572	-1	.	.	-1
S06-3929	2	.	.	2
V03-4660	-1	.	.	-1
V03-4705	0	.	.	0
V04-0807	1	.	.	1
V04-5842	-1	.	.	-1
Mean	1	.	.	1

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Portageville, MO(A)*	*Portageville, MO(B)*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
5002T	15	15	19	20	16	17
DK 4866	32	30	31	36	24	31
AG 4403	31	36	28	37	25	31
AG 4903	31	30	30	35	26	30
B04-7820	31	30	29	36	24	30
JTN-4307	21	22	21	27	17	22
JTN-4408	23	23	23	22	17	22
JTN-4507	22	21	27	27	19	23
JTN-4508	38	31	31	40	25	33
JTN-4607	21	21	24	21	18	21
LG01-5087-5	37	43	33	36	42	38
LG01-5087-9	36	39	27	37	44	37
Md 05-5276	31	24	32	40	24	30
NCC05-1168	21	25	23	22	19	22
NCC05-1261	18	17	23	24	18	20
R04-122	20	21	26	24	17	22
R05-4114	19	20	24	25	22	22
S06-10572	27	26	25	35	20	26
S06-3929	29	29	26	30	26	28
V03-4660	18	17	28	21	20	21
V03-4705	18	16	25	25	18	20
V04-0807	34	41	33	42	42	39
V04-5842	14	17	23	17	18	18
Mean	26	26	27	30	24	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

East

STRAIN/ VARIETY	***Georgetown, DE***	***Warsaw, VA***	***Area Mean***
5002T	29	28	28
DK 4866	40	37	38
AG 4403	38	28	33
AG 4903	40	32	36
B04-7820	31	34	33
JTN-4307	46	33	40
JTN-4408	40	36	38
JTN-4507	41	29	35
JTN-4508	43	40	41
JTN-4607	42	31	36
LG01-5087-5	44	45	44
LG01-5087-9	32	39	36
Md 05-5276	42	34	38
NCC05-1168	37	30	34
NCC05-1261	32	29	30
R04-122	31	30	31
R05-4114	40	32	36
S06-10572	31	30	30
S06-3929	34	35	34
V03-4660	35	30	32
V03-4705	24	28	26
V04-0807	41	44	43
V04-5842	28	25	26
Mean	36	33	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

South

STRAIN/ VARIETY	*Knoxville, TN*	*Princeton, KY*	*Springfield, TN*	*Starkville, MS*	*Ullin, IL*	*Area Mean*
5002T	29	43	28	17	30	29
DK 4866	35	45	37	24	32	35
AG 4403	35	46	35	25	35	35
AG 4903	34	43	34	25	34	34
B04-7820	39	48	35	25	38	37
JTN-4307	33	43	32	21	31	32
JTN-4408	32	36	30	22	32	31
JTN-4507	31	43	35	22	34	33
JTN-4508	38	48	36	24	38	37
JTN-4607	34	44	33	22	40	35
LG01-5087-5	44	55	35	38	37	42
LG01-5087-9	40	51	34	32	39	39
Md 05-5276	37	55	36	24	41	39
NCC05-1168	29	41	30	20	31	30
NCC05-1261	29	37	28	19	31	29
R04-122	30	38	33	22	35	32
R05-4114	31	46	33	23	31	33
S06-10572	32	47	32	25	34	34
S06-3929	35	45	33	21	31	33
V03-4660	31	39	32	18	38	32
V03-4705	32	40	31	21	33	32
V04-0807	42	48	36	37	38	40
V04-5842	30	35	33	17	27	28
Mean	34	44	33	24	34	.

TABLE 10 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	23	42	38	34
DK 4866	34	37	35	35
AG 4403	29	40	37	35
AG 4903	37	39	39	38
B04-7820	36	40	40	38
JTN-4307	29	41	43	38
JTN-4408	25	43	41	36
JTN-4507	28	42	41	37
JTN-4508	38	41	43	41
JTN-4607	25	40	40	35
LG01-5087-5	47	42	43	44
LG01-5087-9	41	39	40	40
Md 05-5276	33	43	45	40
NCC05-1168	24	42	41	35
NCC05-1261	23	40	35	33
R04-122	24	41	38	34
R05-4114	29	41	41	37
S06-10572	35	39	36	37
S06-3929	33	38	35	35
V03-4660	22	43	36	34
V03-4705	21	37	39	32
V04-0807	41	43	42	42
V04-5842	16	33	35	28
Mean	30	40	39	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Portageville, MO(A)*	*Portageville, MO(B)*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
5002T	0.5	1.7	2.0	1.0	2.0	1.4
DK 4866	1.2	3.0	2.7	1.0	2.0	2.0
AG 4403	0.7	2.7	2.0	1.0	2.0	1.7
AG 4903	1.0	2.0	2.3	1.0	2.0	1.7
B04-7820	0.8	2.0	2.3	1.0	2.0	1.6
JTN-4307	0.5	1.7	2.0	1.0	2.0	1.4
JTN-4408	0.7	2.0	2.0	1.0	2.0	1.5
JTN-4507	0.5	2.3	2.7	1.0	2.0	1.7
JTN-4508	1.7	3.0	2.7	1.0	2.0	2.1
JTN-4607	0.5	2.3	2.0	1.0	2.0	1.6
LG01-5087-5	1.3	3.3	2.7	1.0	3.0	2.3
LG01-5087-9	2.5	3.7	2.0	1.0	3.0	2.4
Md 05-5276	0.5	1.7	2.3	1.0	3.0	1.7
NCC05-1168	0.5	2.3	2.0	1.0	2.0	1.6
NCC05-1261	0.5	2.0	2.3	1.0	2.0	1.6
R04-122	0.5	2.0	2.0	1.0	2.0	1.5
R05-4114	0.5	2.0	2.0	1.0	2.0	1.5
S06-10572	0.7	3.0	2.7	1.0	2.0	1.9
S06-3929	1.0	2.7	2.3	1.0	2.0	1.8
V03-4660	0.5	2.0	2.3	1.0	2.0	1.6
V03-4705	0.5	2.7	2.0	1.0	2.0	1.6
V04-0807	1.2	3.0	2.0	1.0	3.0	2.0
V04-5842	0.5	2.0	2.0	1.0	2.0	1.5
Mean	0.8	2.4	2.2	1.0	2.2	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

East

STRAIN/ VARIETY	*Georgetown, DE*	*Warsaw, VA*	*Area Mean*
5002T	1.0	1.5	1.4
DK 4866	1.0	1.8	1.5
AG 4403	1.8	1.4	1.5
AG 4903	2.0	1.5	1.7
B04-7820	1.5	2.3	2.1
JTN-4307	1.8	2.3	2.1
JTN-4408	1.3	2.0	1.7
JTN-4507	1.0	1.8	1.6
JTN-4508	2.0	2.5	2.3
JTN-4607	2.0	2.0	2.0
LG01-5087-5	1.5	2.8	2.3
LG01-5087-9	1.0	2.5	1.9
Md 05-5276	1.5	2.3	2.0
NCC05-1168	1.8	1.7	1.7
NCC05-1261	1.3	1.8	1.6
R04-122	1.0	2.5	2.1
R05-4114	1.5	2.5	2.1
S06-10572	1.5	1.8	1.7
S06-3929	1.0	1.7	1.5
V03-4660	1.0	1.8	1.5
V03-4705	1.0	1.8	1.6
V04-0807	1.5	2.5	2.3
V04-5842	1.0	2.0	1.8
Mean	1.4	2.0	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

South

STRAIN/ VARIETY	*Knoxville, TN*	*Princeton, KY*	*Springfield, TN*	*Starkville, MS*	*Ullin, IL*	*Area Mean*
5002T	1.5	3.8	1.0	1.0	3.8	2.2
DK 4866	1.8	3.3	1.0	1.0	1.7	1.8
AG 4403	1.5	3.0	1.0	1.0	1.5	1.6
AG 4903	1.8	3.2	1.0	1.0	1.3	1.7
B04-7820	2.3	4.3	1.5	1.0	2.2	2.3
JTN-4307	2.2	3.8	1.0	1.0	3.7	2.3
JTN-4408	2.7	3.7	1.0	1.0	2.8	2.2
JTN-4507	2.0	3.3	1.0	1.0	2.7	2.0
JTN-4508	3.7	4.7	1.0	1.0	2.8	2.6
JTN-4607	2.7	4.3	1.0	1.0	3.8	2.6
LG01-5087-5	4.3	4.3	1.0	1.0	3.5	2.8
LG01-5087-9	2.2	4.3	1.2	1.0	4.0	2.5
Md 05-5276	2.5	3.5	1.2	1.0	2.3	2.1
NCC05-1168	2.2	4.2	1.0	1.0	3.2	2.3
NCC05-1261	2.2	4.3	1.0	1.0	2.8	2.3
R04-122	3.8	4.5	1.3	1.0	4.5	3.0
R05-4114	1.8	4.3	1.2	1.0	4.5	2.6
S06-10572	1.8	4.2	1.0	1.0	2.5	2.1
S06-3929	2.7	4.2	1.2	1.0	1.3	2.1
V03-4660	1.7	4.3	1.0	1.0	4.7	2.5
V03-4705	2.2	4.2	1.0	1.0	4.3	2.5
V04-0807	3.3	3.7	1.2	1.0	2.3	2.3
V04-5842	1.7	3.7	1.0	1.0	3.0	2.1
Mean	2.4	4.0	1.1	1.0	3.0	.

TABLE 11 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*McCune, KS*	*Pittsburg, KS*	*Area Mean*
5002T	1.0	4.3	3.7	3.0
DK 4866	1.3	1.0	1.0	1.1
AG 4403	1.0	1.0	1.0	1.0
AG 4903	1.2	1.3	2.0	1.5
B04-7820	2.0	3.7	4.0	3.2
JTN-4307	1.0	4.0	4.3	3.1
JTN-4408	1.0	4.0	4.0	3.0
JTN-4507	1.0	3.7	3.7	2.8
JTN-4508	1.5	3.3	3.7	2.8
JTN-4607	1.0	3.7	3.7	2.8
LG01-5087-5	2.7	3.3	3.0	3.0
LG01-5087-9	2.8	3.0	2.7	2.8
Md 05-5276	1.5	3.0	3.0	2.5
NCC05-1168	1.0	3.7	4.0	2.9
NCC05-1261	1.0	3.3	4.0	2.8
R04-122	1.0	4.0	5.0	3.3
R05-4114	1.0	3.0	4.0	2.7
S06-10572	2.0	3.0	2.3	2.4
S06-3929	1.2	2.0	1.3	1.5
V03-4660	1.0	4.0	4.3	3.1
V03-4705	1.0	3.3	3.0	2.4
V04-0807	1.7	2.0	2.7	2.1
V04-5842	1.0	2.7	3.0	2.2
Mean	1.3	3.1	3.2	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Portageville, MO(A)	Portageville, MO(B)	Rohwer, AR	Stoneville, MS	Area Mean
5002T	1.8	2.0	3.0	.	3.0	2.4
DK 4866	3.0	3.0	4.0	.	3.0	3.1
AG 4403	4.0	3.0	5.0	.	3.0	3.6
AG 4903	2.5	3.0	3.0	.	3.0	2.8
B04-7820	4.2	3.0	5.0	.	3.0	3.7
JTN-4307	1.3	4.0	3.0	.	3.0	2.5
JTN-4408	1.5	3.0	3.0	.	3.0	2.4
JTN-4507	1.3	3.0	3.0	.	3.0	2.4
JTN-4508	2.3	3.0	4.0	.	3.0	2.9
JTN-4607	3.0	2.0	4.0	.	3.0	3.0
LG01-5087-5	3.2	3.0	4.0	.	3.0	3.2
LG01-5087-9	2.2	4.0	5.0	.	3.0	3.1
Md 05-5276	3.5	4.0	5.0	.	3.0	3.6
NCC05-1168	3.3	4.0	3.0	.	2.0	2.9
NCC05-1261	3.0	2.0	3.0	.	3.0	2.9
R04-122	1.5	3.0	3.0	.	2.0	2.1
R05-4114	1.0	3.0	3.0	.	3.0	2.3
S06-10572	4.5	4.0	5.0	.	3.0	3.9
S06-3929	4.2	5.0	5.0	.	3.0	3.9
V03-4660	2.3	3.0	3.0	.	3.0	2.8
V03-4705	2.0	3.0	3.0	.	3.0	2.6
V04-0807	2.0	3.0	4.0	.	3.0	2.8
V04-5842	2.0	3.0	3.0	.	3.0	2.6
Mean	2.6	3.2	3.7	.	2.9	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

East

STRAIN/ VARIETY	*Georgetown, DE*	*Warsaw, VA*	*Area Mean*
5002T	.	1.6	1.6
DK 4866	.	1.7	1.7
AG 4403	.	1.9	1.9
AG 4903	.	1.5	1.5
B04-7820	.	2.5	2.5
JTN-4307	.	1.3	1.3
JTN-4408	.	1.3	1.3
JTN-4507	.	1.2	1.2
JTN-4508	.	1.7	1.7
JTN-4607	.	1.5	1.5
LG01-5087-5	.	2.4	2.4
LG01-5087-9	.	1.9	1.9
Md 05-5276	.	2.4	2.4
NCC05-1168	.	1.4	1.4
NCC05-1261	.	1.2	1.2
R04-122	.	1.7	1.7
R05-4114	.	1.2	1.2
S06-10572	.	2.3	2.3
S06-3929	.	2.3	2.3
V03-4660	.	1.4	1.4
V03-4705	.	1.6	1.6
V04-0807	.	1.4	1.4
V04-5842	.	1.3	1.3
Mean	.	1.7	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

South

STRAIN/ VARIETY	*Knoxville, TN*	*Princeton, KY*	*Springfield, TN*	*Starkville, MS*	*Ullin, IL*	*Area Mean*
5002T	2.2	2.0	.	.	1.0	1.6
DK 4866	2.0	3.0	.	.	1.0	1.7
AG 4403	1.7	4.0	.	.	1.0	1.7
AG 4903	2.3	4.0	.	.	1.0	2.0
B04-7820	2.2	5.0	.	.	1.0	2.1
JTN-4307	1.5	3.0	.	.	1.0	1.5
JTN-4408	1.5	3.0	.	.	1.3	1.6
JTN-4507	1.0	2.0	.	.	1.0	1.1
JTN-4508	2.7	3.0	.	.	1.0	2.0
JTN-4607	1.8	3.0	.	.	1.0	1.6
LG01-5087-5	2.7	3.0	.	.	1.0	2.0
LG01-5087-9	2.3	3.0	.	.	1.3	2.0
Md 05-5276	2.3	4.0	.	.	1.0	2.0
NCC05-1168	2.7	3.0	.	.	1.0	2.0
NCC05-1261	2.3	3.0	.	.	1.3	2.0
R04-122	1.5	3.0	.	.	1.3	1.6
R05-4114	1.7	2.0	.	.	1.3	1.6
S06-10572	2.2	5.0	.	.	1.3	2.2
S06-3929	3.5	4.0	.	.	1.0	2.5
V03-4660	1.7	2.0	.	.	1.0	1.4
V03-4705	1.8	2.0	.	.	1.7	1.8
V04-0807	1.8	2.0	.	.	1.0	1.5
V04-5842	1.8	3.0	.	.	1.3	1.8
Mean	2.1	3.1	.	.	1.1	.

TABLE 12 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S FOR YEAR 2009

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	1.2	.	1.0	1.1
DK 4866	1.7	.	2.0	1.8
AG 4403	1.5	.	2.0	1.8
AG 4903	1.5	.	2.0	1.8
B04-7820	2.0	.	2.0	2.0
JTN-4307	1.2	.	2.0	1.6
JTN-4408	1.5	.	2.0	1.8
JTN-4507	1.0	.	2.0	1.5
JTN-4508	1.7	.	2.0	1.8
JTN-4607	1.2	.	2.0	1.6
LG01-5087-5	1.0	.	2.0	1.5
LG01-5087-9	1.0	.	2.0	1.5
Md 05-5276	1.8	.	2.0	1.9
NCC05-1168	1.0	.	2.0	1.5
NCC05-1261	1.3	.	2.0	1.7
R04-122	1.2	.	2.0	1.6
R05-4114	1.0	.	2.0	1.5
S06-10572	1.3	.	2.0	1.7
S06-3929	2.2	.	2.0	2.1
V03-4660	1.3	.	2.0	1.7
V03-4705	1.2	.	2.0	1.6
V04-0807	1.0	.	2.0	1.5
V04-5842	1.7	.	2.0	1.8
Mean	1.4	.	2.0	.

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TABLE 13 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY, 2009				
	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	AG 3906	Commercial check		
2	AG 4403	Commercial check		
3	AG 4103	Commercial check		
4	LD00-3309	Maverick X Dwight		
5	B04-7533	LG94-1906 x Dwight	F4	
6	B05-8082	Loda x LG93-7054	F4	25 % exotic
7	Md 05-6207	LG97-7012 x Loda	F5	13 % exotic
8	S06-12749	S02-2259(WG) X LG00-3372(PG)	F5	
9	S06-4008	U99-311442(PG) X S02-390(WT)	F5	
10	S07-12958	S03-4152 X S02-058RR	F5	
11	S07-3666	S03-4127 X S01-8401	F5	
12	S07-5049	S03-4152 X HC99-2763	F5	
13	S07-5151	HC99-2763 X S02-6143	F5	
14	TN05-3027	Rend/LG97-9301		
15	V05-2037	5002T X V99-3337	F4	Protein
16	V06-0855	S96-2641 X V97-1549	F4	Protein
17	V06-6730	V99-8060 x GP26062	F4	
18	V06-9814	Kottman x LG93-7054	F4	

TABLE 14 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
AG 3906	46.9	16	12	0	1.4	27	3.1	16.0	41.1	21.0	5	3	4	R	1			
AG 4403	55.8	3	6	3	1.4	31	2.6	13.3	39.0	21.4	5	5	4	MS	4			
AG 4103	51.3	10	9	1	1.4	29	2.5	14.5	41.1	21.3	5	3	4	R	1			
LD00-3309	48.2	13	11	-2	1.3	26	3.0	12.7	39.8	20.5	5	4	4	R	1			
B04-7533	48.0	14	12	-1	1.4	29	2.9	15.6	40.6	20.3	5	5	4	R	1	P	T	T
B05-8082	49.0	12	11	3	1.6	33	2.6	15.5	41.6	19.8	5	5	3	R	1	P	G	
Md 05-6207	52.4	9	8	4	1.3	31	2.9	14.0	40.1	21.1	5	2	1	R	1	W	G	
S06-12749	50.7	11	9	1	1.8	33	3.2	16.1	41.8	20.9	5	5	4	R	1	P	G	
S06-4008	53.4	5	7	6	1.5	27	3.3	14.7	40.8	21.1	5	4	4	R	1	M	G	
S07-12958	52.5	8	9	5	1.3	30	3.0	12.5	39.8	20.7	5	5	4	R	1	P	G	
S07-3666	58.3	1	4	5	1.8	31	3.0	13.7	40.5	20.6	5	5	5	R	1	P	T	
S07-5049	54.8	4	6	1	1.8	31	2.5	14.2	41.2	20.5	5	5	5	R	1	P	Lt	
S07-5151	57.8	2	5	4	1.9	32	3.0	15.8	40.5	20.4	5	5	4	R	1	P	Lt	
TN05-3027	47.2	15	13	-2	1.9	29	3.6	14.1	40.8	21.5	5	5	4	R	1	W	G	
V05-2037	52.6	7	9	12	1.3	24	2.9	14.5	39.4	20.9	5	5	4	R	1	W	T	T
V06-0855	52.7	6	9	13	1.4	25	2.5	12.6	40.9	18.7	5	4	5	SS	3			
V06-6730	41.1	18	16	-1	1.3	28	3.5	13.7	41.3	21.1	5	5	5	R	1	P	G	
V06-9814	43.5	17	14	0	1.4	30	3.6	14.8	41.4	21.0	5	5	5	R	1	P	G	
Mean	50.9	.	.	3	1.5	29	3.0	14.4	40.6	20.7	.	.	.		.			
LSD(0.05)	6.2	.	.	3	0.3	3	0.6	1.1	1.0	1.0	.	.	.		.			
CV(%)	15.0	.	.	120	25.1	11	21.1	6.9	1.4	2.8	.	.	.		.			

TABLE 15 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	53.3	49.0	42.1	34.6	55.1	34.6	43.7	56.3	52.5	46.9
AG 4403	45.8	62.8	49.9	59.5	57.9	44.9	48.2	72.9	60.5	55.8
AG 4103	62.1	63.7	37.2	50.5	51.8	42.1	45.0	59.8	49.5	51.3
LD00-3309	54.7	66.9	46.0	39.3	66.9	20.3	34.5	58.8	46.5	48.2
B04-7533	54.3	62.2	32.3	42.4	47.7	.	36.7	60.7	57.0	48.0
B05-8082	54.8	58.8	49.2	32.9	51.2	40.2	36.5	59.7	57.5	49.0
Md 05-6207	54.6	77.8	53.0	42.2	55.9	26.0	42.9	52.4	62.5	52.4
S06-12749	56.9	60.6	44.8	44.1	45.6	27.6	47.1	71.4	54.5	50.7
S06-4008	53.7	65.1	44.0	43.4	58.1	49.3	39.3	65.6	62.0	53.4
S07-12958	45.7	61.8	44.6	50.3	46.7	57.9	38.0	68.5	59.0	52.5
S07-3666	49.1	69.5	59.3	58.2	59.6	43.5	49.4	72.7	63.5	58.3
S07-5049	51.9	64.5	51.3	42.7	56.5	46.7	36.9	77.2	65.0	54.8
S07-5151	57.6	70.8	54.2	57.7	54.1	62.2	41.4	65.2	56.5	57.8
TN05-3027	56.0	60.8	35.6	35.7	53.9	.	32.8	59.6	52.0	47.2
V05-2037	46.1	59.5	39.2	50.7	55.2	45.5	58.1	64.1	55.0	52.6
V06-0855	48.4	50.3	42.1	57.7	49.2	59.0	38.1	66.2	63.0	52.7
V06-6730	45.0	47.7	35.6	36.2	43.7	28.7	33.2	49.4	50.5	41.1
V06-9814	44.4	54.6	35.9	36.6	43.2	31.1	24.6	70.6	51.0	43.5
Mean	51.9	61.5	44.2	45.3	52.9	41.2	40.4	64.0	56.6	50.9
LSD(0.05)	9.5	10.1	13.1	7.2	12.6	10.8	8.8	16.9	10.9	6.2
CV(%)	8.7	7.8	14.1	7.6	11.3	10.9	10.4	12.5	9.2	15.0

TABLE 16 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	.	21.7	.	21.2	.	.	.	.	20.0	21.0
AG 4403	.	21.7	.	21.6	.	.	.	.	20.9	21.4
AG 4103	.	21.5	.	21.9	.	.	.	.	20.7	21.3
LD00-3309	.	20.2	.	21.1	.	.	.	.	20.3	20.5
B04-7533	.	20.2	.	20.4	.	.	.	.	20.4	20.3
B05-8082	.	21.0	.	19.7	.	.	.	.	18.8	19.8
Md 05-6207	.	21.2	.	21.8	.	.	.	.	20.2	21.1
S06-12749	.	20.6	.	21.7	.	.	.	.	20.3	20.9
S06-4008	.	20.6	.	22.3	.	.	.	.	20.5	21.1
S07-12958	.	21.0	.	21.0	.	.	.	.	20.1	20.7
S07-3666	.	21.3	.	21.0	.	.	.	.	19.5	20.6
S07-5049	.	21.3	.	21.3	.	.	.	.	18.9	20.5
S07-5151	.	20.4	.	20.5	.	.	.	.	20.2	20.4
TN05-3027	.	21.9	.	22.3	.	.	.	.	20.3	21.5
V05-2037	.	20.9	.	21.1	.	.	.	.	20.8	20.9
V06-0855	.	19.1	.	18.7	.	.	.	.	18.3	18.7
V06-6730	.	20.6	.	22.9	.	.	.	.	19.8	21.1
V06-9814	.	20.9	.	22.3	.	.	.	.	19.7	21.0
Mean	.	20.9	.	21.3	.	.	.	.	20.0	.

TABLE 17 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	.	41.1	.	41.9	.	.	.	.	40.4	41.1
AG 4403	.	39.2	.	39.4	.	.	.	.	38.2	39.0
AG 4103	.	41.3	.	41.0	.	.	.	.	41.0	41.1
LD00-3309	.	40.4	.	40.6	.	.	.	.	38.3	39.8
B04-7533	.	41.7	.	41.0	.	.	.	.	39.1	40.6
B05-8082	.	41.6	.	42.7	.	.	.	.	40.6	41.6
Md 05-6207	.	39.9	.	39.9	.	.	.	.	40.4	40.1
S06-12749	.	41.6	.	43.0	.	.	.	.	40.8	41.8
S06-4008	.	40.8	.	41.2	.	.	.	.	40.2	40.8
S07-12958	.	39.9	.	40.4	.	.	.	.	39.2	39.8
S07-3666	.	41.2	.	41.0	.	.	.	.	39.2	40.5
S07-5049	.	41.1	.	42.5	.	.	.	.	40.1	41.2
S07-5151	.	40.6	.	41.7	.	.	.	.	39.1	40.5
TN05-3027	.	41.9	.	41.2	.	.	.	.	39.2	40.8
V05-2037	.	39.9	.	39.4	.	.	.	.	38.9	39.4
V06-0855	.	41.6	.	41.1	.	.	.	.	39.9	40.9
V06-6730	.	41.1	.	42.6	.	.	.	.	40.1	41.3
V06-9814	.	42.3	.	41.5	.	.	.	.	40.4	41.4
Mean	.	41.0	.	41.2	.	.	.	.	39.7	.

TABLE 18 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	16.9	14.8	15.4	16.9	16.3	.	.	15.1	16.7	16.0
AG 4403	10.8	13.7	12.8	14.2	13.4	.	.	16.6	11.9	13.3
AG 4103	14.9	15.1	13.0	15.7	14.6	.	.	14.9	13.5	14.5
LD00-3309	11.9	13.0	11.2	13.4	13.3	.	.	14.1	11.9	12.7
B04-7533	15.6	15.7	14.2	17.7	14.1	.	.	16.1	15.9	15.6
B05-8082	15.3	14.9	15.6	16.7	15.5	.	.	16.3	14.5	15.5
Md 05-6207	13.9	14.3	14.3	16.5	13.5	.	.	12.8	12.9	14.0
S06-12749	16.6	16.2	15.8	18.2	15.4	.	.	15.0	15.9	16.1
S06-4008	14.4	14.2	13.6	15.1	15.0	.	.	16.7	13.9	14.7
S07-12958	12.5	12.5	12.2	13.9	12.9	.	.	12.1	11.7	12.5
S07-3666	13.2	13.4	14.1	16.3	12.9	.	.	13.4	12.9	13.7
S07-5049	14.9	14.0	14.8	15.0	13.5	.	.	14.2	13.3	14.2
S07-5151	16.7	14.2	15.7	18.6	15.0	.	.	15.8	14.8	15.8
TN05-3027	14.4	14.8	13.2	15.4	13.2	.	.	14.5	13.7	14.1
V05-2037	14.6	13.0	18.2	16.1	13.7	.	.	13.1	13.1	14.5
V06-0855	12.4	11.0	15.4	14.1	13.0	.	.	11.1	11.0	12.6
V06-6730	13.5	12.9	13.1	14.7	13.7	.	.	14.4	13.9	13.7
V06-9814	14.8	14.3	13.4	16.3	13.9	.	.	16.2	14.8	14.8
Mean	14.3	14.0	14.2	15.8	14.0	.	.	14.6	13.7	.

TABLE 19 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	9/11	9/8	9/11	9/28	10/6	9/17	9/15	8/22	9/17	9/15
AG 4403	1	0	3	3	0	2	8	4	5	3
AG 4103	5	6	-2	-1	0	-3	1	-3	2	1
LD00-3309	3	7	-4	-3	-4	-7	-4	-4	-3	-2
B04-7533	3	1	-4	3	0	0	-4	-2	-3	-1
B05-8082	8	3	3	-2	2	2	1	6	4	3
Md 05-6207	5	3	4	5	0	5	4	6	6	4
S06-12749	1	7	-4	-1	0	5	4	-2	3	1
S06-4008	8	5	5	5	2	6	7	7	6	6
S07-12958	10	2	7	4	3	1	4	8	7	5
S07-3666	10	2	8	4	1	1	5	8	5	5
S07-5049	0	7	5	0	0	-1	0	3	-2	1
S07-5151	10	2	3	3	0	5	6	5	4	4
TN05-3027	3	9	-3	-7	0	-4	-2	-5	-5	-2
V05-2037	20	5	15	11	3	11	10	18	13	12
V06-0855	20	2	15	13	10	11	10	21	17	13
V06-6730	0	7	-4	-3	0	-7	-1	-5	0	-1
V06-9814	0	5	-2	-1	0	-7	0	2	2	0
Mean	6	4	3	2	1	1	3	4	3	.

TABLE 20 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	38	29	26	24	24	31	28	17	27	27
AG 4403	38	30	30	28	30	37	36	25	29	31
AG 4103	42	30	24	30	25	34	36	18	25	29
LD00-3309	30	29	27	24	28	27	29	18	24	26
B04-7533	41	33	26	26	29	28	33	21	28	29
B05-8082	42	35	33	26	34	35	33	27	30	33
Md 05-6207	33	33	30	28	30	31	34	27	28	30
S06-12749	41	27	32	30	32	33	36	30	33	32
S06-4008	33	28	26	24	28	30	31	18	30	27
S07-12958	33	32	29	29	30	33	32	25	31	30
S07-3666	34	29	31	30	30	35	33	25	30	31
S07-5049	38	28	31	31	30	34	34	28	29	31
S07-5151	37	29	31	30	32	36	35	28	30	32
TN05-3027	29	29	28	28	33	29	33	26	28	29
V05-2037	25	33	16	19	31	19	28	15	24	23
V06-0855	22	35	22	22	22	26	30	18	27	25
V06-6730	34	30	25	26	28	31	33	22	27	28
V06-9814	42	33	27	26	25	34	36	23	30	30
Mean	35	30	27	27	29	31	33	23	28	.

TABLE 21 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	2.0	1.5	0.5	2.0	1.0	1.0	1.0	2.0	1.5	1.4
AG 4403	1.5	1.8	0.5	2.0	1.5	1.0	1.0	2.0	1.7	1.4
AG 4103	1.5	1.3	0.5	2.5	1.0	1.0	1.0	2.0	1.5	1.4
LD00-3309	1.0	1.8	0.5	2.0	1.5	1.0	1.0	2.0	1.2	1.3
B04-7533	1.5	1.3	0.5	2.0	1.5	1.0	1.0	2.0	1.7	1.4
B05-8082	2.0	1.5	1.0	2.0	2.0	1.0	1.0	2.0	1.5	1.6
Md 05-6207	1.0	1.3	0.5	2.5	1.0	1.0	1.0	2.0	1.2	1.3
S06-12749	2.5	1.3	0.8	2.5	2.0	1.0	1.0	3.0	1.7	1.8
S06-4008	1.5	1.3	0.5	2.0	1.5	1.0	1.0	3.0	1.5	1.5
S07-12958	1.5	1.5	0.5	2.0	1.0	1.0	1.0	2.0	1.5	1.3
S07-3666	3.0	1.3	1.0	3.0	2.0	1.0	1.3	2.0	2.0	1.8
S07-5049	2.0	1.8	1.0	3.0	2.5	1.0	1.3	2.0	1.7	1.8
S07-5151	3.0	1.3	1.0	3.0	2.0	1.0	1.3	3.0	1.7	1.9
TN05-3027	2.5	1.5	1.0	2.5	3.0	1.0	1.0	3.0	1.5	1.9
V05-2037	1.0	1.8	0.5	2.0	1.0	1.0	1.0	2.0	1.5	1.3
V06-0855	1.0	1.8	0.5	2.0	1.5	1.0	1.0	2.0	1.5	1.4
V06-6730	1.5	1.3	0.5	2.0	1.0	1.0	1.0	2.0	1.2	1.3
V06-9814	1.5	1.5	0.5	2.0	1.0	1.0	1.0	3.0	1.2	1.4
Mean	1.8	1.5	0.7	2.3	1.6	1.0	1.0	2.3	1.5	.

TABLE 22 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-EARLY FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	Knoxville, TN	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Springfield, TN	Stoneville, MS	Warsaw, VA	Test Mean
AG 3906	3.3	2.3	3.0	5.0	.	.	.	2.0	3.1	3.1
AG 4403	3.3	1.5	2.3	5.0	.	.	.	2.0	1.6	2.6
AG 4103	2.3	1.8	1.5	5.0	.	.	.	2.0	2.8	2.5
LD00-3309	3.3	1.7	2.3	5.0	.	.	.	3.0	2.5	3.0
B04-7533	3.5	1.7	2.3	5.0	.	.	.	2.0	2.9	2.9
B05-8082	2.3	1.5	2.8	5.0	.	.	.	2.0	2.2	2.6
Md 05-6207	2.8	1.8	3.0	5.0	.	.	.	3.0	2.1	2.9
S06-12749	3.8	2.0	2.5	5.0	.	.	.	3.0	2.9	3.2
S06-4008	2.8	3.0	4.5	5.0	.	.	.	2.0	2.8	3.3
S07-12958	3.3	1.2	4.3	5.0	.	.	.	3.0	1.3	3.0
S07-3666	3.0	2.0	3.8	5.0	.	.	.	2.0	2.2	3.0
S07-5049	2.5	1.7	2.5	5.0	.	.	.	2.0	1.7	2.5
S07-5151	3.5	1.0	3.0	5.0	.	.	.	3.0	2.4	3.0
TN05-3027	3.8	3.3	3.0	5.0	.	.	.	3.0	3.4	3.6
V05-2037	3.5	2.5	3.0	4.0	.	.	.	3.0	1.5	2.9
V06-0855	2.5	2.5	1.5	4.0	.	.	.	3.0	1.4	2.5
V06-6730	4.0	2.0	4.0	5.0	.	.	.	3.0	2.8	3.5
V06-9814	3.3	3.3	3.7	5.0	.	.	.	3.0	3.4	3.6
Mean	3.1	2.0	2.9	4.9	.	.	.	2.6	2.4	.

TABLE 23 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE, 2009				
	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	DK 4866	Commercial check		
3	AG 4403	Commercial check		
4	AG 4903	Commercial check		
5	JTN-4209	PI 567286 x HS93-4118	F7	SCN; 50 % exotic
6	Md 06-5356	Md 86-5788 x Md 97-6491	F5	
7	NCC06-116	S00-9925-10xDT99-17400	F4:8	
8	NCC06-142	S00-9925-10xDT99-17400	F4:8	
9	NCC06-148	S00-9925-10xDT99-17400	F4:8	
10	NCC06-339	S00-9925-10xDT99-17400	F4:8	
11	R03-984	R95-3235 x AP 4880		
12	R05-3239	Ozark x Anand		
13	R05-3662	Lonoke x R00-214F		
14	S06-11278	S02-2259(WG) X DT98-7278(WT)	F5	
15	S07-10248	S00-9925-10 X S03-383RR	F5	
16	S07-10311	S00-9925-10 X S03-383RR	F5	
17	S07-15722	LG00-3372 X S03-058RR	F5	
18	S07-16041	Delsoy 5710 x S03-058 RR	F5	
19	S07-5117	HC99-2763 X S02-6143	F5	
20	TN06-189	5601T/S97-1688		
21	TN06-196	5601T/S97-1688		
22	V05-2361	V95-0391 X N96-7211	F4	25 % exotic
23	V05-2607	R95-2210 X V94-0436	F4	
24	V05-2664	R95-2210 X V96-0332	F4	
25	V06-9485	Essex x LG92-1255	F4	
26	V06-9631	Loda x LG96-1797	F4	

TABLE 24 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
5002T	52.4	19	15	0	2.5	26	2.3	16.1	40.3	19.8	5	5	5	R	1			
DK 4866	58.9	6	10	-7	1.7	34	2.3	14.7	40.7	20.7	5	5	5	S	5			
AG 4403	46.5	25	18	-16	1.3	28	3.3	17.1	41.4	20.6	4	3	5	MS	4			
AG 4903	59.7	4	9	-5	1.7	33	2.3	15.2	40.7	21.1	5	5	5	MS	4			
JTN-4209	54.2	12	13	-6	2.0	34	3.1	15.3	39.9	20.9	5	3	5	R	1	P	T	
Md 06-5356	51.6	20	17	-5	2.3	41	2.4	15.5	44.0	18.5	5	5	5	R	1	P	G	
NCC06-116	48.0	23	20	-5	2.3	26	2.2	15.3	40.3	20.0	4	5	5	R	1	P	T	T
NCC06-142	51.3	21	17	-2	2.2	27	2.3	13.5	39.8	19.2	4	5	5	R	1	S	T	T
NCC06-148	60.1	3	8	0	2.2	28	2.0	16.1	40.6	19.8	5	5	5	R	1	W	T	T
NCC06-339	53.2	15	17	-2	2.1	25	2.4	14.3	40.2	20.0	5	4	5	R	1	P	T	T
R03-984	52.6	17	15	-5	2.1	27	2.2	11.6	40.5	20.5	5	5	5	R	1	P	G	T
R05-3239	53.5	14	14	-2	1.9	28	2.2	15.5	40.4	19.9	5	5	5	R	1	P	T	T
R05-3662	53.1	16	17	-3	1.8	26	2.3	13.7	39.8	20.1	5	5	5	MR	2	P	G	T
S06-11278	57.5	9	10	0	2.7	30	2.2	15.2	40.4	20.1	5	4	5	R	1	W	G	
S07-10248	59.1	5	8	-2	1.5	31	2.3	16.1	40.3	20.0	5	4	5	R	1	W	T	
S07-10311	60.6	1	7	-3	1.6	32	2.3	16.4	40.6	20.0	5	2	5	R	1	W	T	
S07-15722	57.7	8	9	-6	2.3	40	2.6	15.8	40.6	20.1	5	4	5	R	1	W	T	
S07-16041	50.8	22	17	-10	2.0	37	2.7	13.1	41.2	19.7	4	5	5	R	1	W	T	
S07-5117	60.4	2	8	-3	2.4	33	2.4	18.3	41.4	20.3	5	3	5	R	1	W	Lt	
TN06-189	56.2	11	11	0	2.4	34	2.1	13.6	41.7	19.7	5	5	5	MS	4	W	G	
TN06-196	58.6	7	10	0	2.4	34	2.1	13.4	41.5	19.4	5	4	5	MS	4	W	G	
V05-2361	52.5	18	17	0	2.1	32	2.0	14.7	40.3	19.6	5	5	5	SS	3	W	G	
V05-2607	57.4	10	11	-1	2.0	27	2.2	16.2	40.6	20.2	5	5	5	SS	3	W	G	
V05-2664	54.0	13	13	-1	2.3	28	2.5	15.1	39.1	20.5	5	4	5	R	1	W	G	
V06-9485	44.1	26	21	-8	1.9	25	2.8	15.1	41.8	19.9	5	5	5	R	1	P	G	
V06-9631	47.0	24	20	-5	2.8	34	2.9	16.8	40.7	20.7	5	5	5	R	1	P	G	
Mean	54.3	.	.	-4	2.1	31	2.4	15.1	40.7	20.1	.	.	.		.			
LSD(0.05)	6.2	.	.	2	0.6	4	0.5	1.1	0.9	0.6	.	.	.		.			
CV(%)	14.4	.	.	-66	37.0	14	19.6	7.4	1.8	2.6	.	.	.		.			

TABLE 25 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	54.6	37.3	42.5	41.1	46.6	55.9	40.4	69.5	67.2	69.0	52.4
DK 4866	54.6	52.5	69.8	58.5	47.0	53.9	57.4	62.2	66.8	66.5	58.9
AG 4403	49.4	49.8	45.8	50.0	22.9	41.9	27.0	51.9	68.4	58.0	46.5
AG 4903	56.4	50.7	76.2	52.7	45.5	47.1	58.2	73.1	70.6	67.0	59.7
JTN-4209	56.4	51.7	60.0	46.8	26.6	54.1	.	67.4	63.3	68.0	54.2
Md 06-5356	40.4	42.9	73.2	41.0	43.1	52.3	60.2	56.4	42.6	64.0	51.6
NCC06-116	44.0	39.2	67.7	43.6	44.0	50.3	32.9	55.1	43.4	59.5	48.0
NCC06-142	56.6	41.3	60.7	43.0	48.7	49.7	.	57.6	50.7	60.5	51.3
NCC06-148	66.5	37.5	75.6	41.0	52.8	55.9	66.8	74.2	60.9	69.5	60.1
NCC06-339	56.7	41.2	68.2	39.3	42.2	57.0	.	65.4	53.8	61.5	53.2
R03-984	45.2	43.7	68.4	50.8	45.7	50.9	41.0	45.9	62.0	71.0	52.6
R05-3239	57.2	43.8	61.4	39.8	51.5	58.3	50.8	46.6	62.8	63.5	53.5
R05-3662	55.7	37.5	62.8	36.6	46.2	55.9	54.0	65.8	58.4	60.0	53.1
S06-11278	59.3	42.4	74.2	41.4	51.8	59.0	59.1	68.2	57.4	64.5	57.5
S07-10248	60.9	50.2	75.4	39.8	50.1	52.8	58.6	71.9	60.1	72.5	59.1
S07-10311	66.9	47.4	77.2	42.8	49.0	54.5	55.3	82.0	59.7	71.5	60.6
S07-15722	59.8	44.5	70.0	51.2	48.2	57.5	44.0	74.2	63.8	64.0	57.7
S07-16041	44.9	47.2	62.2	49.3	35.4	41.4	49.0	55.4	65.3	60.0	50.8
S07-5117	72.3	50.2	73.5	40.1	43.9	57.5	52.1	78.8	64.6	71.5	60.4
TN06-189	56.7	43.5	73.7	43.6	56.6	60.0	32.0	64.7	56.2	71.0	56.2
TN06-196	56.0	37.0	80.6	42.1	57.1	60.1	62.2	70.2	58.9	64.5	58.6
V05-2361	55.4	35.2	72.1	37.3	48.7	49.7	55.5	57.6	51.8	62.0	52.5
V05-2607	64.2	46.4	72.7	42.3	54.7	49.1	38.9	76.9	56.9	68.5	57.4
V05-2664	57.7	37.0	52.5	38.6	49.0	56.9	42.5	69.4	63.0	72.5	54.0
V06-9485	48.2	35.9	43.8	44.8	29.5	41.6	24.6	52.9	60.6	56.5	44.1
V06-9631	47.6	26.5	71.4	37.4	40.1	40.0	27.9	71.6	44.6	62.5	47.0
Mean	55.5	42.8	66.6	43.6	45.3	52.4	47.4	64.8	59.0	65.4	54.3
LSD(0.05)	12.6	5.7	12.9	5.3	9.2	13.0	12.9	8.2	17.0	6.5	6.2
CV(%)	10.3	6.5	9.4	5.9	9.9	12.0	10.4	6.1	13.5	4.9	14.4

TABLE 26 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	.	.	.	19.1	19.9	.	20.0	.	20.1	20.0	19.8
DK 4866	.	.	.	21.6	19.8	.	21.3	.	20.2	20.6	20.7
AG 4403	.	.	.	20.3	21.2	.	21.3	.	20.6	19.9	20.6
AG 4903	.	.	.	21.4	21.2	.	21.2	.	21.4	20.3	21.1
JTN-4209	.	.	.	21.0	21.0	.	21.9	.	20.4	20.2	20.9
Md 06-5356	.	.	.	17.7	18.8	.	19.4	.	19.3	17.5	18.5
NCC06-116	.	.	.	19.4	20.1	.	21.4	.	19.4	19.9	20.0
NCC06-142	.	.	.	18.4	18.9	.	21.0	.	18.7	19.0	19.2
NCC06-148	.	.	.	19.1	20.1	.	20.5	.	19.6	19.7	19.8
NCC06-339	.	.	.	19.0	20.4	.	20.8	.	19.6	20.1	20.0
R03-984	.	.	.	20.4	20.3	.	21.3	.	20.4	20.0	20.5
R05-3239	.	.	.	19.0	20.2	.	20.5	.	20.4	19.5	19.9
R05-3662	.	.	.	20.0	20.4	.	21.4	.	19.4	19.4	20.1
S06-11278	.	.	.	19.5	19.9	.	20.8	.	20.7	19.6	20.1
S07-10248	.	.	.	19.4	20.1	.	21.6	.	19.5	19.5	20.0
S07-10311	.	.	.	18.9	20.1	.	20.9	.	20.5	19.6	20.0
S07-15722	.	.	.	20.4	20.3	.	20.3	.	19.2	20.1	20.1
S07-16041	.	.	.	21.1	19.6	.	19.9	.	19.6	18.5	19.7
S07-5117	.	.	.	19.6	21.1	.	21.0	.	19.5	20.4	20.3
TN06-189	.	.	.	19.6	18.9	.	20.7	.	20.1	19.3	19.7
TN06-196	.	.	.	19.3	18.9	.	19.9	.	19.1	19.7	19.4
V05-2361	.	.	.	19.3	20.0	.	20.8	.	19.2	18.9	19.6
V05-2607	.	.	.	19.3	20.2	.	21.4	.	20.3	19.8	20.2
V05-2664	.	.	.	19.4	20.5	.	21.5	.	20.8	20.2	20.5
V06-9485	.	.	.	19.6	20.0	.	20.5	.	19.7	19.9	19.9
V06-9631	.	.	.	19.9	20.6	.	21.9	.	20.5	20.7	20.7
Mean	.	.	.	19.7	20.1	.	20.9	.	19.9	19.7	.

TABLE 27 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	.	.	.	41.0	38.9	.	41.3	.	40.7	39.5	40.3
DK 4866	.	.	.	41.6	40.6	.	41.6	.	40.1	39.7	40.7
AG 4403	.	.	.	42.2	42.1	.	41.5	.	40.7	40.5	41.4
AG 4903	.	.	.	41.7	41.0	.	40.4	.	41.5	38.9	40.7
JTN-4209	.	.	.	41.1	40.5	.	38.2	.	40.8	39.0	39.9
Md 06-5356	.	.	.	46.0	42.9	.	43.5	.	44.0	43.6	44.0
NCC06-116	.	.	.	41.6	39.7	.	41.1	.	41.0	38.1	40.3
NCC06-142	.	.	.	41.6	39.3	.	38.6	.	41.0	38.7	39.8
NCC06-148	.	.	.	41.5	40.3	.	41.0	.	41.2	38.9	40.6
NCC06-339	.	.	.	41.8	39.3	.	39.5	.	40.5	39.6	40.2
R03-984	.	.	.	41.5	40.2	.	40.7	.	41.3	38.6	40.5
R05-3239	.	.	.	41.0	41.2	.	40.4	.	41.1	38.3	40.4
R05-3662	.	.	.	41.2	39.0	.	38.7	.	41.8	38.2	39.8
S06-11278	.	.	.	41.6	40.6	.	40.4	.	40.1	39.5	40.4
S07-10248	.	.	.	41.1	41.0	.	40.1	.	40.5	38.7	40.3
S07-10311	.	.	.	43.8	40.4	.	39.7	.	40.0	39.0	40.6
S07-15722	.	.	.	41.1	39.9	.	42.4	.	40.8	38.6	40.6
S07-16041	.	.	.	42.8	41.0	.	42.3	.	40.2	39.5	41.2
S07-5117	.	.	.	42.8	41.5	.	40.9	.	41.7	40.0	41.4
TN06-189	.	.	.	42.4	41.6	.	42.4	.	41.9	40.2	41.7
TN06-196	.	.	.	42.1	41.2	.	42.4	.	41.5	40.4	41.5
V05-2361	.	.	.	41.8	40.2	.	39.8	.	40.4	39.6	40.3
V05-2607	.	.	.	40.6	40.9	.	41.2	.	41.1	39.1	40.6
V05-2664	.	.	.	38.8	39.2	.	39.0	.	40.1	38.7	39.1
V06-9485	.	.	.	43.2	41.3	.	41.8	.	42.6	40.1	41.8
V06-9631	.	.	.	40.8	40.0	.	40.7	.	41.4	40.5	40.7
Mean	.	.	.	41.8	40.5	.	40.7	.	41.1	39.4	.

TABLE 28 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	16.9	.	19.9	14.7	15.8	15.1	.	17.0	15.1	14.7	16.1
DK 4866	14.1	.	15.5	16.6	15.5	13.5	.	14.4	15.7	12.4	14.7
AG 4403	15.8	.	15.5	23.0	17.6	14.7	.	15.3	17.7	17.2	17.1
AG 4903	14.9	.	16.8	16.3	17.8	13.4	.	13.8	15.5	13.0	15.2
JTN-4209	15.8	.	16.5	16.2	14.8	14.1	.	14.0	16.8	14.1	15.3
Md 06-5356	14.7	.	17.4	15.2	16.8	14.1	.	16.1	14.9	14.9	15.5
NCC06-116	14.3	.	17.7	16.1	16.6	13.8	.	17.0	14.8	12.3	15.3
NCC06-142	13.2	.	16.4	14.5	14.1	12.0	.	13.6	13.3	10.8	13.5
NCC06-148	17.3	.	19.5	17.8	16.0	13.8	.	14.6	16.2	13.9	16.1
NCC06-339	14.4	.	17.1	15.9	15.1	12.0	.	14.8	13.7	11.7	14.3
R03-984	11.8	.	13.5	12.2	12.3	10.1	.	10.6	12.0	10.1	11.6
R05-3239	16.1	.	17.9	15.7	17.3	14.2	.	13.5	15.3	14.1	15.5
R05-3662	14.9	.	16.1	13.8	14.8	12.2	.	12.5	14.2	11.0	13.7
S06-11278	16.0	.	17.2	13.7	16.7	13.9	.	17.3	14.3	12.6	15.2
S07-10248	16.7	.	18.6	17.6	17.2	15.0	.	13.4	17.1	13.4	16.1
S07-10311	17.3	.	18.5	14.9	16.7	15.0	.	17.9	17.6	13.4	16.4
S07-15722	15.6	.	17.4	16.8	16.6	14.9	.	16.9	15.1	13.2	15.8
S07-16041	12.2	.	13.7	14.2	13.3	11.6	.	14.7	14.0	11.6	13.1
S07-5117	19.3	.	20.3	20.3	18.7	15.8	.	15.8	19.6	17.0	18.3
TN06-189	14.2	.	15.6	12.7	14.2	13.4	.	13.8	12.1	12.6	13.6
TN06-196	13.8	.	15.7	12.5	13.1	13.8	.	14.8	11.8	11.8	13.4
V05-2361	14.4	.	16.9	16.0	15.3	13.4	.	15.8	13.7	12.2	14.7
V05-2607	17.0	.	17.6	18.2	16.8	15.8	.	16.0	15.4	13.3	16.2
V05-2664	14.8	.	17.6	14.6	16.4	14.9	.	13.2	15.4	14.0	15.1
V06-9485	17.0	.	16.6	17.5	15.6	12.7	.	14.0	14.3	13.3	15.1
V06-9631	16.9	.	19.6	16.3	16.9	15.5	.	15.3	16.7	17.0	16.8
Mean	15.4	.	17.1	15.9	15.8	13.8	.	14.8	15.0	13.3	.

TABLE 29 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	10/1	.	10/5	.	10/12	10/22	9/30	9/17	.	10/2	10/4
DK 4866	-3	.	-7	.	-8	-10	-5	-14	.	-3	-7
AG 4403	-15	.	-20	.	-18	-13	-14	-20	.	-14	-16
AG 4903	-3	.	-5	.	-5	-12	-4	-6	.	-1	-5
JTN-4209	-3	.	-8	.	-10	-13	-2	-7	.	-2	-6
Md 06-5356	-7	.	-6	.	-4	-14	-2	-5	.	2	-5
NCC06-116	-3	.	-4	.	-3	-10	-2	-8	.	-2	-5
NCC06-142	-3	.	-2	.	0	-2	-2	-6	.	1	-2
NCC06-148	0	.	2	.	1	0	3	-5	.	2	0
NCC06-339	-2	.	-1	.	1	-8	0	-5	.	1	-2
R03-984	-3	.	-6	.	-4	-11	-5	-6	.	-2	-5
R05-3239	-2	.	-5	.	1	-1	0	-6	.	0	-2
R05-3662	-3	.	-4	.	-3	-5	1	-6	.	0	-3
S06-11278	3	.	-2	.	2	-6	1	1	.	1	0
S07-10248	0	.	-3	.	1	-2	0	-6	.	0	-2
S07-10311	-2	.	-2	.	-1	-8	-1	-6	.	0	-3
S07-15722	-3	.	-9	.	-6	-10	-5	-7	.	-4	-6
S07-16041	-7	.	-12	.	-6	-13	-11	-17	.	-6	-10
S07-5117	-2	.	-4	.	-5	-3	0	-7	.	0	-3
TN06-189	3	.	-2	.	2	-2	-1	0	.	3	0
TN06-196	3	.	-1	.	0	0	-1	0	.	2	0
V05-2361	3	.	1	.	2	-6	2	0	.	2	0
V05-2607	0	.	-3	.	0	-5	-3	0	.	2	-1
V05-2664	-2	.	-3	.	1	-6	1	0	.	2	-1
V06-9485	-3	.	-14	.	-8	-13	-5	-9	.	-6	-8
V06-9631	-1	.	-7	.	-5	-11	-5	-7	.	3	-5
Mean	-2	.	-5	.	-3	-7	-2	-6	.	-1	.

TABLE 30 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	21	40	18	35	24	28	19	15	37	26	26
DK 4866	40	37	35	35	33	29	38	24	38	35	34
AG 4403	34	31	29	33	26	23	30	19	30	27	28
AG 4903	39	38	34	38	27	28	34	23	37	31	33
JTN-4209	45	37	36	36	29	32	34	26	36	35	34
Md 06-5356	43	39	40	44	35	35	42	44	45	44	41
NCC06-116	20	41	18	37	24	29	21	16	33	26	26
NCC06-142	21	39	16	38	23	27	23	18	39	27	27
NCC06-148	28	34	19	37	25	30	22	18	36	29	28
NCC06-339	26	33	17	34	22	25	20	18	34	26	25
R03-984	22	37	21	39	24	24	25	14	35	27	27
R05-3239	19	34	23	39	23	33	24	16	39	28	28
R05-3662	29	33	17	35	24	27	19	16	33	27	26
S06-11278	28	38	25	40	23	31	28	21	35	33	30
S07-10248	39	33	33	35	28	26	32	26	32	31	31
S07-10311	40	35	32	34	28	28	31	26	35	30	32
S07-15722	52	45	41	46	35	31	44	28	45	38	40
S07-16041	52	42	32	39	30	30	39	28	43	33	37
S07-5117	39	38	32	40	27	27	35	24	40	32	33
TN06-189	35	48	24	46	31	35	24	18	41	37	34
TN06-196	40	42	29	41	28	34	30	20	39	33	33
V05-2361	35	43	23	42	28	31	25	20	44	30	32
V05-2607	26	35	21	35	24	27	21	18	37	28	27
V05-2664	26	40	19	40	24	32	18	18	37	30	28
V06-9485	24	36	18	35	19	23	17	18	31	27	25
V06-9631	43	39	36	38	30	32	36	15	37	37	34
Mean	33	38	26	38	26	29	28	21	37	31	.

TABLE 31 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	1.5	4.5	0.5	4.0	2.5	2.5	1.0	2.0	5.0	1.8	2.5
DK 4866	2.5	1.0	1.3	1.0	2.0	1.5	1.5	2.0	2.0	2.0	1.7
AG 4403	2.0	1.0	0.5	1.0	2.0	1.0	1.0	2.0	1.0	1.5	1.3
AG 4903	2.5	2.0	1.5	1.0	2.0	1.5	1.0	2.0	1.8	1.5	1.7
JTN-4209	3.3	2.0	1.3	1.5	2.0	2.0	1.3	2.0	3.0	2.3	2.0
Md 06-5356	2.8	1.5	2.5	2.0	2.0	1.5	1.5	4.0	2.7	2.5	2.3
NCC06-116	1.0	4.0	0.5	4.0	2.0	2.5	1.0	2.0	5.0	1.5	2.3
NCC06-142	1.0	4.0	0.5	3.0	2.5	2.0	1.0	2.0	5.0	1.5	2.2
NCC06-148	1.5	3.0	0.5	3.0	3.0	1.5	1.0	2.0	5.0	1.5	2.2
NCC06-339	1.0	3.0	0.5	3.0	2.0	2.0	1.0	2.0	4.7	1.5	2.1
R03-984	1.0	3.0	0.5	4.0	2.5	1.5	1.0	2.0	4.0	1.7	2.1
R05-3239	1.0	2.0	0.5	3.0	2.0	2.0	1.0	2.0	4.0	1.2	1.9
R05-3662	1.0	2.5	0.5	3.0	2.0	1.0	1.0	2.0	3.2	1.5	1.8
S06-11278	1.8	4.0	0.7	4.5	2.0	2.5	1.0	3.0	5.0	2.2	2.7
S07-10248	2.5	1.0	1.0	1.0	2.0	1.0	1.0	2.0	2.5	1.5	1.5
S07-10311	2.5	1.0	1.0	1.0	3.0	1.0	1.3	2.0	2.0	1.5	1.6
S07-15722	3.8	3.0	1.8	2.5	2.0	1.5	1.5	2.0	2.5	2.2	2.3
S07-16041	3.0	2.0	1.5	1.5	2.0	1.5	2.0	2.0	3.0	2.0	2.0
S07-5117	3.5	3.0	1.3	3.0	2.0	1.5	1.5	2.0	4.5	1.7	2.4
TN06-189	1.5	3.0	0.7	3.5	3.0	2.0	1.0	2.0	4.7	2.5	2.4
TN06-196	1.5	3.5	0.7	3.5	2.5	2.5	1.0	2.0	4.7	2.0	2.4
V05-2361	1.0	3.0	0.5	2.5	3.0	2.0	1.0	2.0	5.0	1.5	2.1
V05-2607	1.5	3.0	0.5	3.0	2.5	1.0	1.0	2.0	3.2	2.0	2.0
V05-2664	1.0	3.5	0.5	4.0	2.5	1.5	1.0	2.0	4.7	2.0	2.3
V06-9485	1.5	3.5	0.5	3.0	2.0	1.0	1.0	2.0	3.0	2.0	1.9
V06-9631	3.5	3.5	2.3	3.5	2.0	2.0	1.0	2.0	5.0	3.5	2.8
Mean	1.9	2.7	0.9	2.7	2.3	1.7	1.1	2.1	3.7	1.9	.

TABLE 32 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S-LATE FOR YEAR 2009

STRAIN/ VARIETY	Jackson, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	4.5	.	1.3	2.0	3.0	.	.	3.0	1.0	1.2	2.3
DK 4866	3.0	.	2.5	2.0	3.0	.	.	3.0	1.0	1.5	2.3
AG 4403	4.8	.	4.3	2.0	5.0	.	.	3.0	1.0	3.1	3.3
AG 4903	4.0	.	1.5	2.0	3.0	.	.	3.0	1.0	1.5	2.3
JTN-4209	4.8	.	4.0	2.0	5.0	.	.	3.0	1.0	2.1	3.1
Md 06-5356	3.5	.	2.0	2.0	3.0	.	.	3.0	1.0	1.9	2.4
NCC06-116	3.0	.	2.3	2.0	3.0	.	.	3.0	1.0	1.4	2.2
NCC06-142	3.8	.	1.8	2.0	3.0	.	.	3.0	1.0	1.4	2.3
NCC06-148	3.0	.	0.8	2.0	3.0	.	.	3.0	1.0	1.5	2.0
NCC06-339	3.5	.	1.8	2.0	4.0	.	.	3.0	1.0	1.5	2.4
R03-984	4.0	.	1.0	2.0	3.0	.	.	3.0	1.0	1.2	2.2
R05-3239	3.0	.	1.8	2.0	3.0	.	.	3.0	1.0	1.7	2.2
R05-3662	3.5	.	2.3	2.0	3.0	.	.	3.0	1.0	1.4	2.3
S06-11278	3.2	.	1.8	2.0	3.0	.	.	3.0	1.0	1.4	2.2
S07-10248	4.0	.	1.3	2.0	3.0	.	.	3.0	1.0	1.5	2.3
S07-10311	3.5	.	1.5	2.0	3.0	.	.	3.0	1.0	1.9	2.3
S07-15722	3.7	.	2.5	2.0	4.0	.	.	3.0	1.0	2.0	2.6
S07-16041	4.0	.	3.5	2.0	4.0	.	.	3.0	1.0	1.5	2.7
S07-5117	3.5	.	2.3	2.0	3.0	.	.	3.0	1.0	2.0	2.4
TN06-189	3.0	.	1.3	2.0	3.0	.	.	3.0	1.0	1.4	2.1
TN06-196	3.0	.	1.3	2.0	3.0	.	.	3.0	1.0	1.2	2.1
V05-2361	2.7	.	1.0	2.0	3.0	.	.	3.0	1.0	1.2	2.0
V05-2607	3.2	.	1.5	2.0	3.0	.	.	3.0	1.0	1.7	2.2
V05-2664	3.7	.	2.0	2.0	4.0	.	.	3.0	1.0	1.5	2.5
V06-9485	4.5	.	3.5	2.0	4.0	.	.	3.0	1.0	1.5	2.8
V06-9631	5.0	.	3.2	2.0	4.0	.	.	3.0	1.0	2.3	2.9
Mean	3.7	.	2.1	2.0	3.4	.	.	3.0	1.0	1.6	.

TABLE 33 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	5601T	HUTCHESON x TN89-39		
3	AG 5605	Commercial check		
4	JTN-5503	Fowler x Manokin		
5	OSAGE	Hartz 5545 x KS4895		
6	DB03-10440	DT96-7918 W,G X DT96-16809 P,T,T		
7	DB03-1381	N94-546 P,T,T X DT96-16809 P,T,T		
8	DB04-10836	DT99-16788 X J00-2 (MANOKIN X FOWLER)		
9	DB04-10997	DT99-17445 X J00-2 (MANOKIN X FOWLER)		
10	DB04-290	DT98-9102 X DT98-7278		
11	DS95-217-1-880	Hartwig x (PI 437654 x Ripley)	F9	
12	JTN-5107	S97-1753 x S96-2641-2-LOAM02	F11	SCN
13	JTN-5108	S95-1908 x BOLIVAR-2-LOAM02	F11	SCN
14	JTN-5203	R93-171 x Anand	F10	SCN; >25 % exotic
15	JTN-5308	J98-32 x DT95-17556	F7	SCN
16	K05-4987RR	S99-2281/K03W-104	F4	
17	K06-3202RR	K1530/MD99-0687-3RR	F4	
18	K06-3208RR	5002T/S02-677CR RR	F4	
19	N02-417	SC91-2007 x Holladay	F5	HIgh Oil
20	N02-7002	Cook x Anand	F4	mod. Race 2 SCN resist
21	N02-7779	Carver x Lambert (0)	F4	50% Lambert, which is Group 0
22	NCC04-1555	Md97-5905 x N98-274	F4:9	
23	NCC05-1323	TN97-167xS99-2281	F4:8	
24	NCC05-1336	TN97-167xS99-2281	F4:8	
25	NCC05-4512R	TN96-68x[TN96-58xN94-550RR, BC3F1(106-2)]F2	F4:8	
26	NCC05-7568R	N99-244x[N98-74XN94-550RR, BC3F1(106-3)]F2	F4:8	
27	NCC05-7649R	N99-244x[N98-74XN94-550RR, BC3F1(106-3)]F2	F4:8	
28	R01-3474F	Caviness x PI 594208		
29	R04-357	R97-1650 x 98601		
30	R04-572	MD 4900 x Ozark		
31	R05-235	P9594 x Ozark		
32	S05-11268	S00-9925-10 X U98-311442	F5	
33	S05-11482	S99-2281 X S00-9985-03	F5	
34	S06-3027	S00-9912-56(MT) X S02-3934(PT)	F5	
35	S06-3053	S00-9912-56(MT) X S02-3934(PT)	F5	
36	S06-3095	S00-9912-56(MT) X S02-3934(PT)	F5	
37	TN03-217	N94-7440/MFS-553		
38	TN04-089	5601T/TN99-368		
39	TN04-124	5601T/S94-1867		
40	TN04-5321	Prolina/TN93-99		
41	V03-3650	V92-0254 X Md94-5341	F4	
42	V03-4298	V92-0974 X Md92-5769	F4	
43	V04-3471	V92-0254 X [(H(5) X N565) X (H(3) X N94-	F4	
44	V04-5959	V93-2329 X V94-0189	F4	

TABLE 34 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

STRAIN/	AVERAGE		YIELD ‡			PROTEIN ‡			OIL ‡		
VARIETY	RANK	RANK	2009	08-09	07-09	2009	08-09	07-09	2009	08-09	07-09
5002T	37	25	51.1	52.2	50.5	40.4	40.2	40.5	20.2	20.6	21.0
5601T	8	17	55.6	53.1	50.9	41.5	41.5	41.7	19.9	20.3	20.3
AG 5605	15	19	54.9	.	.	39.4	.	.	20.3	.	.
JTN-5503	9	19	55.5	53.3	51.5	39.6	39.9	40.2	19.3	19.8	20.0
OSAGE	10	17	55.2	53.7	.	41.6	41.8	.	19.6	19.8	.
DB03-10440	44	41	39.8	43.9	.	40.6	40.8	.	20.0	20.1	.
DB03-1381	13	20	54.9	51.4	.	40.7	40.5	.	20.2	20.4	.
DB04-10836	4	14	57.5	.	.	40.5	.	.	19.3	.	.
DB04-10997	22	22	53.8	.	.	41.0	.	.	19.1	.	.
DB04-290	42	30	48.0	.	.	39.6	.	.	20.7	.	.
DS95-217-1-880	14	20	54.9	53.4	50.0	40.5	40.3	40.5	20.1	20.5	20.8
JTN-5107	31	25	52.6	51.6	.	40.3	40.6	.	20.3	20.7	.
JTN-5108	32	26	52.5	.	.	41.1	.	.	19.0	.	.
JTN-5203	29	25	52.9	51.1	49.3	39.9	40.2	40.5	20.7	21.0	20.9
JTN-5308	36	28	51.5	.	.	39.9	.	.	19.9	.	.
K05-4987RR	28	25	53.1	.	.	38.5	.	.	19.7	.	.
K06-3202RR	34	25	52.3	.	.	40.1	.	.	20.4	.	.
K06-3208RR	30	25	52.7	.	.	39.9	.	.	20.4	.	.
N02-417	21	21	54.0	.	.	38.8	.	.	21.3	.	.
N02-7002	11	18	55.2	53.9	.	40.4	40.5	.	19.6	19.7	.
N02-7779	39	26	50.5	51.1	48.2	39.4	39.3	39.4	20.9	21.2	21.3
NCC04-1555	6	17	56.0	53.3	.	39.3	39.4	.	20.5	20.7	.
NCC05-1323	16	19	54.8	.	.	39.2	.	.	20.0	.	.
NCC05-1336	18	18	54.4	.	.	39.2	.	.	20.1	.	.
NCC05-4512R	20	19	54.0	.	.	40.4	.	.	19.8	.	.
NCC05-7568R	40	31	49.6	.	.	40.7	.	.	20.8	.	.
NCC05-7649R	27	23	53.5	.	.	40.7	.	.	21.0	.	.
R01-3474F	5	19	56.2	.	.	40.4	.	.	21.0	.	.
R04-357	3	13	57.7	55.8	.	40.4	40.6	.	19.8	20.2	.
R04-572	2	14	58.0	.	.	39.9	.	.	20.9	.	.
R05-235	1	12	58.5	.	.	40.5	.	.	20.9	.	.
S05-11268	33	26	52.3	.	.	40.5	.	.	19.7	.	.
S05-11482	7	18	55.8	.	.	40.3	.	.	20.0	.	.
S06-3027	35	27	52.2	.	.	40.6	.	.	18.3	.	.
S06-3053	19	22	54.1	.	.	40.1	.	.	18.8	.	.
S06-3095	12	20	54.9	.	.	39.4	.	.	19.2	.	.
TN03-217	43	36	44.7	.	.	42.0	.	.	19.0	.	.
TN04-089	17	20	54.6	.	.	41.2	.	.	20.1	.	.
TN04-124	23	20	53.7	.	.	41.0	.	.	20.2	.	.
TN04-5321	38	30	50.7	.	.	42.3	.	.	20.0	.	.
V03-3650	26	23	53.6	52.3	.	40.0	40.1	.	20.9	21.0	.
V03-4298	25	21	53.6	52.8	.	40.2	39.9	.	19.9	20.3	.
V04-3471	24	22	53.7	.	.	40.5	.	.	21.4	.	.
V04-5959	41	30	48.6	.	.	41.0	.	.	20.8	.	.
Mean	.	.	53.3	.	.	40.3	.	.	20.1	.	.
LSD(0.05)	.	.	3.9	.	.	0.7	.	.	0.5	.	.
CV(%)	.	.	13.4	.	.	1.9	.	.	2.4	.	.

‡Data not included in mean: 2009 – Rohwer, AR (only yield was omitted)
2008 – Bossier City, LA; Queenstown, MD; Springfield, TN; Warsaw, VA
2007 – Belle Mina, AL; Bossier City, LA; Princeton, KY; Queenstown, MD; Springfield, TN; Suffolk, VA; Warsaw, VA

TABLE 35 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
5002T	0	2.1	26	2.3	15.7			
5601T	4	2.0	31	2.0	13.7			
AG 5605	5	1.8	31	1.8	11.4			
JTN-5503	6	2.2	30	1.9	14.6	W	T	T
OSAGE	4	1.8	29	1.9	12.7			
DB03-10440	0	2.5	28	2.1	15.0	P	G	T
DB03-1381	6	2.4	31	1.8	13.6	P	T	T
DB04-10836	6	2.6	35	1.8	13.1	W	T	T
DB04-10997	2	2.0	31	2.2	13.0	S	T	T
DB04-290	0	2.6	29	2.5	16.1	W	G	T
DS95-217-1-880	5	1.9	26	2.2	15.2	P	T	T
JTN-5107	5	2.1	30	2.3	13.6	W	G	T
JTN-5108	5	2.5	31	1.8	13.8	W	T	T
JTN-5203	2	2.0	29	2.4	12.9	W	G	T
JTN-5308	7	2.8	34	2.2	14.8	P	T	T
K05-4987RR	1	2.3	31	1.9	12.1			
K06-3202RR	0	1.9	32	2.3	13.9			
K06-3208RR	1	2.1	28	2.7	15.6			
N02-417	6	1.9	29	2.1	16.2	P	G	
N02-7002	2	2.1	30	2.3	14.9	P	T	
N02-7779	1	2.0	26	2.5	14.6	P	G	
NCC04-1555	9	1.8	29	1.8	12.4	P	t	
NCC05-1323	-1	2.3	29	2.4	13.2	W	G	T
NCC05-1336	0	2.2	31	2.1	12.9	W	G	T
NCC05-4512R	3	1.8	27	1.9	14.0	W	G	T
NCC05-7568R	6	1.7	28	2.0	14.4	W	G	T
NCC05-7649R	6	1.7	30	1.7	14.7	W	G	T
R01-3474F	6	2.1	33	1.9	13.4	P	G	Tn
R04-357	6	2.5	33	2.3	13.1	P	G	Tn
R04-572	9	1.9	30	2.0	14.8	P	G	Tn
R05-235	9	2.0	32	1.7	16.6	S	G	Tn
S05-11268	0	2.4	28	2.3	13.4	W	T	
S05-11482	1	2.6	31	2.6	13.0	W	T	
S06-3027	-1	2.7	36	2.5	13.5	P	T	
S06-3053	2	2.3	34	2.2	12.2	P	T	
S06-3095	0	2.6	35	2.2	13.4	P	T	
TN03-217	0	1.9	24	1.9	8.1	P	G	
TN04-089	4	1.9	31	2.3	14.7	W	G	
TN04-124	2	1.9	32	2.3	14.6	W	T	
TN04-5321	5	2.6	36	2.0	16.3	W	G	
V03-3650	3	2.0	31	2.0	13.7	SG	T	BR.
V03-4298	4	2.0	28	2.3	14.2	P	G	TAN
V04-3471	5	2.1	30	2.0	15.2	W	G	TAN
V04-5959	-1	1.6	25	2.4	14.6	P	G	TAN
Mean	3	2.1	30	2.1	13.9			
LSD(0.05)	2	0.3	2	0.4	0.8			
CV(%)	95	24.0	11	25.0	7.0			

TABLE 36 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 1.3.5.6.7 Race 14	PRK GA	SRK GA	SMV G1 REACTION	SC RATING	SC SCORE	SDS DX
5002T	5	5	4	3.0	4.8	Sev	R	1	5
5601T	5	5	5	4.8	3.5	R	R	1	22
AG 5605	5	4	4	5.0	5.0	Sus	MS	4	31
JTN-5503	1	1	1	5.0	4.8	Sus	MS	4	33
OSAGE	5	5	4	1.8	5.0	Sus	R	1	14
DB03-10440	5	3	4	5.0	5.0	R	R	1	36
DB03-1381	5	4	5	5.0	5.0	R	MR	2	14
DB04-10836	5	1	5	5.0	1.3	R	R	1	31
DB04-10997	5	1	4	5.0	3.3	R	MR	2	42
DB04-290	5	4	5	5.0	3.0	R	R	1	19
DS95-217-1-880	1	4	1	5.0	4.8	Sev	SS	3	1
JTN-5107	4	1	4	4.8	2.8	Sev	R	1	38
JTN-5108	4	1	4	4.8	1.5	R	R	1	11
JTN-5203	2	5	1	5.0	5.0	Sev	R	1	28
JTN-5308	3	5	1	5.0	2.5	R	MS	4	30
K05-4987RR	2	1	1	4.8	1.0	R	SS	3	14
K06-3202RR	4	1	3	5.0	3.8	Mild	R	1	13
K06-3208RR	5	4	3	5.0	4.8	Sus	R	1	12
N02-417	5	5	4	5.0	1.5	R	SS	3	9
N02-7002	1	5	1	4.8	4.8	R	R	1	11
N02-7779	5	5	5	4.5	4.8	Sus	R	1	13
NCC04-1555	5	5	5	1.8	2.3	Sus	R	1	22
NCC05-1323	5	2	5	5.0	3.8	Sus	R	1	44
NCC05-1336	5	5	4	3.5	2.0	Sus	R	1	1
NCC05-4512R	5	5	5	3.5	5.0	R	R	1	22
NCC05-7568R	5	5	5	4.0	4.0	R	MS	4	64
NCC05-7649R	5	5	5	5.0	5.0	R	MS	4	36
R01-3474F	5	4	4	5.0	4.5	R	R	1	39
R04-357	5	4	5	5.0	5.0	Sev	MR	2	33
R04-572	5	5	5	5.0	5.0	R	R	1	22
R05-235	5	5	4	4.8	3.5	R	R	1	15
S05-11268	1	4	1	4.3	4.8	Sus	R	1	25
S05-11482	1	4	1	3.0	1.3	R	MS	4	9
S06-3027	1	5	1	4.0	4.0	Sev	MS	4	1
S06-3053	1	5	1	5.0	1.0	R	SS	3	0
S06-3095	1	4	1	1.8	5.0	Seg	MR	2	13
TN03-217	4	5	5	2.8	5.0	Seg	R	1	7
TN04-089	5	5	5	5.0	3.8	R	R	1	22
TN04-124	5	3	5	5.0	2.0	R	S	5	5
TN04-5321	5	5	5	5.0	5.0	R	R	1	44
V03-3650	5	5	5	5.0	4.8	R	R	1	33
V03-4298	5	5	4	5.0	5.0	R	S	5	6
V04-3471	5	5	4	5.0	5.0	R	R	1	25
V04-5959	5	4	4	1.8	5.0	Sev	R	1	14

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Portageville, MO(A)	Portageville, MO(B)	Rohwer, AR ‡	Stoneville, MS	Area Mean
5002T	52.6	43.4	63.8	.	60.4	55.1
5601T	63.6	56.0	64.8	54.0	56.5	60.2
AG 5605	73.8	58.9	62.6	44.7	65.8	65.3
JTN-5503	68.0	62.8	66.1	49.3	54.5	62.8
OSAGE	54.8	63.5	67.5	.	69.7	63.9
DB03-10440	18.0	39.2	57.9	.	53.7	42.2
DB03-1381	78.3	59.6	69.5	51.8	62.6	67.5
DB04-10836	75.8	62.8	67.9	61.5	65.3	68.0
DB04-10997	62.6	60.3	62.1	55.0	64.9	62.5
DB04-290	37.8	44.4	63.4	.	61.1	51.7
DS95-217-1-88	67.9	52.7	60.8	60.1	49.9	57.8
JTN-5107	59.0	47.2	62.0	.	61.4	57.4
JTN-5108	68.7	63.8	65.3	33.9	58.0	63.9
JTN-5203	68.3	57.4	55.6	.	59.7	60.3
JTN-5308	65.2	57.2	65.8	.	54.8	60.8
K05-4987RR	70.5	60.6	57.3	52.2	62.5	62.7
K06-3202RR	62.9	55.7	60.0	32.7	50.6	57.3
K06-3208RR	69.3	56.2	65.4	49.1	55.4	61.6
N02-417	56.2	47.0	65.7	58.0	66.3	58.8
N02-7002	73.3	46.6	62.1	63.3	62.5	61.1
N02-7779	49.7	37.8	59.5	39.5	58.7	51.4
NCC04-1555	67.2	57.2	61.9	36.7	65.2	62.9
NCC05-1323	60.9	61.0	66.1	27.1	61.8	62.5
NCC05-1336	59.2	61.6	70.3	35.2	68.6	64.9
NCC05-4512R	46.6	47.2	62.3	44.9	66.7	55.7
NCC05-7568R	48.7	46.5	59.3	43.1	55.5	52.5
NCC05-7649R	65.7	55.2	59.5	.	59.0	59.9
R01-3474F	78.9	64.5	61.5	60.6	65.3	67.5
R04-357	73.6	63.5	72.9	52.4	67.4	69.3
R04-572	78.2	61.0	69.2	67.5	68.1	69.1
R05-235	77.4	62.1	73.0	55.2	71.5	71.0
S05-11268	74.6	50.9	66.3	52.0	60.9	63.2
S05-11482	76.3	59.9	70.9	.	57.8	66.2
S06-3027	74.0	61.5	61.5	50.7	58.1	63.8
S06-3053	73.0	61.6	61.8	47.0	58.6	63.8
S06-3095	74.1	62.3	65.5	62.8	58.5	65.1
TN03-217	44.1	34.6	66.9	.	48.0	48.4
TN04-089	62.5	56.6	65.6	.	57.8	60.6
TN04-124	62.5	47.8	66.0	45.8	62.1	59.6
TN04-5321	64.6	59.5	57.0	44.2	42.3	55.9
V03-3650	71.4	55.4	61.4	50.4	59.9	62.0
V03-4298	64.9	55.8	62.9	36.2	62.8	61.6
V04-3471	63.4	52.7	55.4	51.7	51.0	55.6
V04-5959	53.1	32.3	59.6	48.1	50.8	49.0
Mean	63.9	54.6	63.7	49.0	59.8	60.5
LSD(0.05)	14.0	5.9	3.6	28.4	8.7	9.2
CV(%)	13.5	6.7	3.5	21.2	8.9	13.2

‡Data not included in mean.

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

East

STRAIN/ VARIETY	Georgetown, DE	Kinston, NC(A)	Suffolk, VA	Warsaw, VA	Area Mean
5002T	40.0	28.3	57.5	68.5	48.8
5601T	46.7	33.9	58.1	76.8	54.0
AG 5605	40.8	38.0	56.6	76.6	53.3
JTN-5503	45.1	34.2	57.8	70.0	51.9
OSAGE	55.2	31.7	63.9	75.4	56.4
DB03-10440	43.2	.	51.4	62.3	45.8
DB03-1381	34.9	38.1	59.4	72.9	51.9
DB04-10836	49.6	39.9	66.4	72.9	57.3
DB04-10997	42.4	30.2	54.5	71.6	49.9
DB04-290	52.8	30.2	50.9	61.9	48.5
DS95-217-1-880	52.6	32.5	62.9	73.5	55.4
JTN-5107	51.5	31.5	58.6	70.7	52.9
JTN-5108	39.2	34.4	56.7	66.8	49.5
JTN-5203	48.0	31.8	55.8	73.6	52.3
JTN-5308	58.5	32.7	53.1	68.1	52.6
K05-4987RR	43.7	33.1	57.1	74.8	52.3
K06-3202RR	59.8	36.3	57.6	68.0	55.0
K06-3208RR	53.1	33.5	57.3	69.8	53.2
N02-417	46.7	41.0	67.7	72.5	57.2
N02-7002	42.1	40.0	60.1	74.2	54.4
N02-7779	53.4	39.0	56.8	74.7	55.9
NCC04-1555	54.7	41.3	66.7	75.8	59.6
NCC05-1323	45.1	31.5	66.5	72.9	54.2
NCC05-1336	48.5	32.0	47.5	72.3	49.9
NCC05-4512R	59.0	32.2	67.0	70.5	56.9
NCC05-7568R	57.4	36.7	67.0	66.1	56.5
NCC05-7649R	54.2	37.8	66.5	70.0	57.0
R01-3474F	42.1	38.7	64.6	68.2	53.7
R04-357	53.4	37.1	66.5	76.7	58.4
R04-572	37.8	39.0	75.4	75.3	57.5
R05-235	39.4	39.2	63.1	75.2	54.7
S05-11268	52.3	35.8	65.7	70.3	56.0
S05-11482	55.8	35.5	63.2	72.3	56.5
S06-3027	49.3	32.2	48.9	65.5	48.8
S06-3053	45.9	35.0	58.1	69.7	52.2
S06-3095	48.8	34.0	54.8	67.2	51.1
TN03-217	47.5	27.3	58.1	55.7	46.9
TN04-089	51.2	30.7	56.3	74.4	53.0
TN04-124	53.9	36.9	60.9	67.3	54.6
TN04-5321	48.0	31.4	58.8	64.4	50.6
V03-3650	55.0	33.8	69.0	73.9	57.9
V03-4298	44.3	37.2	65.4	75.0	55.8
V04-3471	64.6	37.0	68.3	74.2	60.6
V04-5959	51.0	33.0	56.2	67.5	51.8
Mean	49.0	34.8	60.3	70.8	53.7
LSD(0.05)	11.1	6.6	10.0	6.8	6.5
CV(%)	11.2	11.3	10.3	5.9	11.3

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Princeton, KY	Springfield, TN	Starkville, MS	Ullin, IL	Area Mean
5002T	60.5	63.1	76.1	61.5	38.5	57.7	59.6
5601T	64.4	59.2	78.1	69.5	41.5	56.3	61.5
AG 5605	56.6	59.4	73.1	59.7	39.4	59.6	58.0
JTN-5503	58.7	73.3	69.0	64.1	48.4	56.6	61.7
OSAGE	60.5	52.1	73.0	61.9	43.2	55.6	57.7
DB03-10440	35.7	42.1	56.3	57.4	24.8	48.3	44.1
DB03-1381	59.6	66.8	72.1	58.6	43.8	53.7	59.1
DB04-10836	55.4	55.3	71.9	67.1	51.0	55.1	59.3
DB04-10997	58.1	57.4	69.8	65.0	44.3	51.3	57.7
DB04-290	57.5	50.8	69.3	66.1	27.8	56.4	54.7
DS95-217-1-880	65.0	77.1	71.2	58.8	33.9	56.9	60.5
JTN-5107	62.9	59.4	68.5	60.8	39.0	55.6	57.7
JTN-5108	56.3	61.0	66.5	61.0	44.7	47.0	56.1
JTN-5203	59.6	75.0	67.4	58.6	37.7	53.8	58.7
JTN-5308	51.4	60.1	64.9	63.8	40.9	47.8	54.8
K05-4987RR	51.1	64.8	70.6	62.4	39.0	50.1	56.3
K06-3202RR	49.6	60.1	70.0	55.4	28.6	57.5	53.5
K06-3208RR	53.2	72.3	75.8	59.8	28.0	55.0	57.4
N02-417	55.7	66.5	73.2	56.4	45.7	51.6	58.4
N02-7002	55.4	75.2	68.3	64.5	43.9	58.6	61.0
N02-7779	55.7	62.5	75.4	63.1	23.9	54.5	55.8
NCC04-1555	55.1	65.6	67.2	66.4	44.0	55.5	59.0
NCC05-1323	55.7	63.7	70.8	64.3	39.4	55.7	58.3
NCC05-1336	60.8	56.4	77.6	69.3	37.6	57.2	59.8
NCC05-4512R	63.2	73.5	74.0	62.4	35.5	58.9	61.3
NCC05-7568R	54.8	44.7	64.5	56.5	36.7	55.0	52.0
NCC05-7649R	56.3	46.3	67.0	59.6	42.2	52.4	54.0
R01-3474F	53.8	70.0	72.5	58.6	54.0	56.1	60.8
R04-357	63.5	62.4	76.9	64.2	42.4	54.6	60.7
R04-572	56.9	77.1	72.2	66.9	45.6	50.5	61.7
R05-235	60.2	80.0	74.1	60.4	48.2	55.4	63.0
S05-11268	52.9	67.0	69.6	54.1	37.2	46.7	54.6
S05-11482	51.4	70.8	72.7	66.2	42.6	54.1	59.7
S06-3027	47.8	60.6	66.3	60.5	35.2	55.5	54.3
S06-3053	46.3	71.7	70.9	63.2	34.1	54.6	56.8
S06-3095	51.4	72.0	63.0	63.9	47.4	58.5	59.4
TN03-217	50.8	56.3	67.1	66.0	11.3	48.8	50.0
TN04-089	60.5	73.1	74.6	60.7	41.6	58.6	61.5
TN04-124	56.9	64.4	69.3	63.2	33.9	59.9	57.9
TN04-5321	50.5	50.0	70.3	61.2	55.0	51.3	56.4
V03-3650	47.5	58.5	69.5	64.4	33.9	54.9	54.8
V03-4298	55.4	65.8	72.8	66.5	30.0	50.1	56.8
V04-3471	52.6	57.9	71.9	66.3	43.8	57.5	58.3
V04-5959	54.5	56.5	68.3	59.8	14.9	60.7	52.4
Mean	55.5	63.1	70.5	62.3	38.5	54.6	57.4
LSD(0.05)	8.2	10.5	7.6	9.0	7.9	9.1	6.5
CV(%)	9.2	10.2	6.7	8.9	12.6	10.0	12.5

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST V FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*McCune, KS*	*Pittsburg, KS*	*Area Mean*
5002T	17.0	37.0	42.1	32.0
5601T	31.2	45.5	43.2	40.0
AG 5605	31.7	41.9	37.2	36.9
JTN-5503	39.7	36.6	37.4	37.9
OSAGE	38.3	35.7	37.4	37.1
DB03-10440	22.8	19.4	24.6	22.3
DB03-1381	33.2	32.8	35.5	33.8
DB04-10836	45.0	35.7	40.2	40.3
DB04-10997	34.7	42.1	42.1	39.6
DB04-290	22.2	26.6	37.5	28.8
DS95-217-1-880	31.0	41.2	44.6	38.9
JTN-5107	33.7	35.9	36.2	35.2
JTN-5108	43.3	29.8	28.8	34.0
JTN-5203	16.5	42.6	37.7	32.3
JTN-5308	35.0	28.2	29.8	31.0
K05-4987RR	30.7	36.9	36.5	34.7
K06-3202RR	31.7	41.2	44.8	39.2
K06-3208RR	22.3	36.1	34.2	30.9
N02-417	30.2	36.7	36.7	34.5
N02-7002	33.0	33.6	43.9	36.9
N02-7779	25.5	38.0	31.2	31.6
NCC04-1555	37.3	36.4	34.3	36.0
NCC05-1323	23.2	43.4	48.3	38.3
NCC05-1336	26.5	39.4	38.8	34.9
NCC05-4512R	23.3	38.0	38.4	33.3
NCC05-7568R	26.2	34.4	33.7	31.4
NCC05-7649R	40.8	37.2	41.0	39.7
R01-3474F	39.8	33.2	32.2	35.1
R04-357	37.2	34.5	33.8	35.1
R04-572	47.2	27.7	35.5	36.8
R05-235	34.7	38.0	41.1	37.9
S05-11268	21.8	32.7	30.3	28.3
S05-11482	24.3	38.0	37.2	33.2
S06-3027	29.8	41.6	38.6	36.7
S06-3053	28.8	41.0	45.2	38.3
S06-3095	29.8	37.3	44.4	37.2
TN03-217	18.2	31.3	28.3	25.9
TN04-089	24.8	37.5	42.3	34.9
TN04-124	26.2	39.4	43.4	36.3
TN04-5321	36.5	30.4	31.3	32.7
V03-3650	30.2	35.4	37.8	34.4
V03-4298	25.8	37.3	39.3	34.1
V04-3471	28.0	32.8	36.5	32.4
V04-5959	21.5	44.6	42.3	36.1
Mean	30.2	36.3	37.6	34.7
LSD(0.05)	5.8	4.4	6.1	9.3
CV(%)	11.8	7.5	10.0	18.3

TABLE 38 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	Knoxville, TN	Pittsburg, KS	Portageville, MO(B)	Princeton, KY	Rohwer, AR	Ullin, IL	Warsaw, VA	Test Mean
5002T	21.3	20.5	19.2	21.3	21.1	20.5	18.7	19.3	20.2
5601T	20.9	20.4	19.2	20.0	19.4	19.7	19.3	20.0	19.9
AG 5605	22.0	20.3	19.5	20.2	19.8	21.5	20.0	19.0	20.3
JTN-5503	20.0	19.8	18.0	20.6	18.9	20.0	18.7	18.4	19.3
OSAGE	20.3	19.3	19.0	19.9	18.9	20.3	19.7	19.4	19.6
DB03-10440	21.2	19.4	18.6	21.1	20.6	20.9	19.5	18.7	20.0
DB03-1381	21.4	19.8	19.3	21.1	20.3	21.1	19.8	19.2	20.2
DB04-10836	20.2	19.3	18.8	19.8	19.0	19.9	19.0	18.1	19.3
DB04-10997	19.7	20.6	17.6	20.1	19.1	20.1	18.1	17.6	19.1
DB04-290	22.1	19.9	20.4	21.1	20.9	21.0	20.3	20.0	20.7
DS95-217-1-880	20.3	19.9	18.9	20.2	20.8	20.9	19.6	20.1	20.1
JTN-5107	21.6	20.3	19.3	21.3	20.1	21.2	19.5	19.2	20.3
JTN-5108	19.2	18.9	18.0	20.4	19.8	19.8	18.0	18.1	19.0
JTN-5203	21.4	20.1	20.7	21.3	21.0	21.6	20.5	19.4	20.7
JTN-5308	21.5	19.8	18.1	20.4	19.8	21.3	19.3	18.9	19.9
K05-4987RR	20.8	19.1	18.9	20.9	19.4	20.5	19.2	18.5	19.7
K06-3202RR	20.7	20.5	19.7	20.6	21.0	20.9	20.2	19.9	20.4
K06-3208RR	21.3	20.4	19.3	21.8	20.9	21.4	19.1	19.4	20.4
N02-417	23.0	21.1	19.7	22.1	21.2	21.9	20.5	20.9	21.3
N02-7002	20.2	19.4	19.0	20.2	19.3	20.3	20.4	18.2	19.6
N02-7779	22.2	20.8	20.3	21.0	21.5	21.2	20.0	20.1	20.9
NCC04-1555	21.4	20.4	19.0	21.9	19.6	21.9	20.3	19.5	20.5
NCC05-1323	20.4	19.8	19.8	20.7	20.4	21.2	19.3	18.7	20.0
NCC05-1336	21.4	19.9	19.2	20.3	20.5	20.8	18.8	19.5	20.1
NCC05-4512R	19.9	19.7	18.8	21.2	19.8	20.7	19.0	19.1	19.8
NCC05-7568R	21.6	20.4	20.5	21.7	21.3	22.0	19.0	19.6	20.8
NCC05-7649R	21.6	20.7	19.7	21.2	21.5	22.6	21.1	19.7	21.0
R01-3474F	21.5	21.2	20.4	21.6	21.0	22.2	20.6	19.5	21.0
R04-357	20.0	19.3	19.3	20.1	20.1	21.7	18.8	19.1	19.8
R04-572	21.1	21.0	19.5	21.9	21.8	21.3	20.7	20.1	20.9
R05-235	21.9	21.1	20.3	21.5	20.7	21.4	20.1	20.0	20.9
S05-11268	20.7	19.5	18.2	20.5	20.3	20.5	18.8	19.0	19.7
S05-11482	20.2	20.3	19.4	20.7	20.0	21.3	19.1	19.0	20.0
S06-3027	18.7	18.8	17.8	18.6	18.6	18.2	18.3	17.6	18.3
S06-3053	19.7	19.3	17.7	18.7	18.8	19.2	18.5	18.3	18.8
S06-3095	19.9	19.6	18.6	19.4	19.4	20.0	18.6	18.4	19.2
TN03-217	20.0	19.3	19.9	18.9	19.0	19.8	17.4	17.8	19.0
TN04-089	20.9	20.7	19.2	20.1	20.3	21.4	19.4	19.0	20.1
TN04-124	21.7	20.3	20.0	20.3	19.9	20.5	18.5	19.9	20.2
TN04-5321	20.7	20.6	19.4	20.3	19.0	20.7	20.6	18.7	20.0
V03-3650	22.4	20.8	19.5	21.8	21.1	21.3	20.1	19.9	20.9
V03-4298	20.8	19.6	20.1	20.2	19.8	20.6	18.6	19.4	19.9
V04-3471	22.0	21.6	21.3	22.0	20.7	22.0	20.9	20.3	21.4
V04-5959	21.3	20.8	20.4	21.3	21.3	21.3	19.9	20.2	20.8
Mean	20.9	20.1	19.3	20.7	20.2	20.9	19.4	19.2	.

TABLE 39 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	Knoxville, TN	Pittsburg, KS	Portageville, MO(B)	Princeton, KY	Rohwer, AR	Ullin, IL	Warsaw, VA	Test Mean
5002T	40.0	40.7	40.3	39.7	41.3	40.4	41.7	38.9	40.4
5601T	40.5	41.6	42.3	41.1	40.6	41.5	43.3	40.9	41.5
AG 5605	37.4	39.3	40.4	39.5	41.1	37.9	40.5	39.4	39.4
JTN-5503	39.1	39.8	39.2	39.4	40.4	38.5	40.9	39.1	39.6
OSAGE	40.9	41.6	42.2	42.1	42.6	40.0	42.5	41.4	41.6
DB03-10440	40.2	40.6	41.5	40.6	40.8	40.7	41.1	39.3	40.6
DB03-1381	40.8	40.9	41.7	40.6	41.1	39.8	41.4	39.1	40.7
DB04-10836	41.2	40.6	41.0	39.8	41.6	39.4	41.3	39.6	40.5
DB04-10997	40.4	41.2	41.7	40.9	40.5	40.6	42.9	40.1	41.0
DB04-290	40.4	39.9	39.7	39.6	40.4	38.3	40.5	37.8	39.6
DS95-217-1-880	40.4	39.9	40.5	40.2	41.3	40.3	41.8	39.3	40.5
JTN-5107	38.0	40.3	41.2	41.1	40.4	39.8	42.5	39.2	40.3
JTN-5108	40.8	41.7	41.7	40.8	42.4	38.8	41.9	40.5	41.1
JTN-5203	38.0	40.4	39.1	40.4	41.4	39.5	40.8	39.5	39.9
JTN-5308	38.4	40.3	40.5	40.2	41.0	39.0	40.7	39.1	39.9
K05-4987RR	36.9	38.4	37.4	39.1	39.0	39.3	39.6	38.5	38.5
K06-3202RR	39.5	40.2	40.1	40.7	39.1	40.5	40.5	40.6	40.1
K06-3208RR	38.4	40.8	39.7	39.9	40.0	41.2	40.1	39.1	39.9
N02-417	37.0	39.1	39.7	38.9	39.7	38.1	40.8	36.8	38.8
N02-7002	39.6	40.5	41.0	41.6	41.1	39.3	41.6	38.9	40.4
N02-7779	37.6	39.4	39.5	40.5	40.5	39.6	40.7	37.5	39.4
NCC04-1555	37.5	39.8	40.7	38.4	40.8	37.2	41.4	38.4	39.3
NCC05-1323	37.9	39.0	40.6	39.4	40.4	37.3	40.8	38.0	39.2
NCC05-1336	37.7	40.0	38.7	39.3	39.8	38.4	39.9	39.7	39.2
NCC05-4512R	40.8	41.2	40.2	40.1	40.7	40.3	40.0	40.1	40.4
NCC05-7568R	39.0	40.9	42.2	41.1	41.2	39.2	42.1	39.9	40.7
NCC05-7649R	41.3	40.7	41.5	41.0	40.5	39.0	42.1	39.4	40.7
R01-3474F	40.5	40.6	40.6	40.0	40.1	40.2	42.4	39.0	40.4
R04-357	40.6	40.4	40.3	40.3	39.9	41.1	41.5	38.9	40.4
R04-572	38.9	40.4	39.4	39.9	41.4	39.1	40.6	39.5	39.9
R05-235	40.6	41.7	40.3	41.1	40.5	39.5	40.8	39.4	40.5
S05-11268	41.5	41.0	40.3	40.3	39.8	40.1	41.3	39.3	40.5
S05-11482	40.6	40.7	41.0	40.3	40.4	39.5	41.1	38.9	40.3
S06-3027	41.4	41.2	39.8	41.1	40.4	41.2	40.7	39.0	40.6
S06-3053	39.7	40.5	40.6	40.4	40.9	40.1	40.3	38.6	40.1
S06-3095	39.6	39.8	39.6	39.9	39.3	40.1	39.4	37.6	39.4
TN03-217	39.9	43.6	42.7	42.7	42.1	40.6	44.5	40.1	42.0
TN04-089	39.8	42.2	41.9	41.2	40.8	40.6	42.8	40.2	41.2
TN04-124	38.1	42.2	41.7	41.9	41.1	40.7	42.5	40.2	41.0
TN04-5321	41.0	43.0	41.8	43.1	44.2	39.9	43.7	41.8	42.3
V03-3650	38.0	40.7	40.2	39.3	40.9	39.7	41.9	39.1	40.0
V03-4298	38.4	40.6	42.2	40.2	40.0	39.0	42.0	38.8	40.2
V04-3471	39.9	40.6	40.1	40.5	40.6	39.2	42.0	41.0	40.5
V04-5959	40.6	41.5	41.1	40.6	40.6	40.2	42.8	40.4	41.0
Mean	39.5	40.7	40.6	40.4	40.7	39.6	41.4	39.4	.

TABLE 40 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Belle Mina, AL	Bossier City, LA	Georgetown, DE	Kinston, NC(A)	Knoxville, TN	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(A)	Portageville, MO(B)	Princeton, KY	Rohwer, AR	Springfield, TN	Starkville, MS	Stoneville, MS	Suffolk, VA	Ullin, IL	Warsaw, VA	Test Mean
5002T	.	14.0	.	14.8	15.2	.	18.0	16.8	16.2	15.2	16.8	.	.	.	15.6	15.6	15.3	14.8	15.7
5601T	.	13.0	.	13.2	13.9	.	16.8	12.9	13.3	14.7	13.3	.	.	.	12.5	13.9	13.5	14.0	13.7
AG 5605	.	12.8	.	10.5	7.9	.	12.7	12.5	10.5	11.6	12.0	.	.	.	11.2	11.6	12.6	11.4	11.4
JTN-5503	.	15.8	.	13.6	14.8	.	16.1	14.0	14.5	14.4	14.8	.	.	.	13.1	15.5	14.4	14.5	14.6
OSAGE	.	12.4	.	12.8	10.9	.	14.9	13.0	11.5	13.0	14.1	.	.	.	10.6	13.7	13.4	12.2	12.7
DB03-10440	.	14.2	.	15.3	11.0	.	17.0	16.1	15.2	17.1	16.0	.	.	.	11.8	16.3	15.9	14.5	15.0
DB03-1381	.	13.1	.	13.0	14.2	.	14.9	15.2	13.1	14.5	13.6	.	.	.	11.2	13.5	13.4	13.0	13.6
DB04-10836	.	10.5	.	13.1	13.0	.	14.1	13.6	11.5	14.1	15.4	.	.	.	11.7	14.5	13.4	12.8	13.1
DB04-10997	.	13.2	.	13.3	12.5	.	14.5	12.7	12.8	12.1	13.8	.	.	.	11.5	12.9	13.7	12.6	13.0
DB04-290	.	13.4	.	17.0	15.8	.	18.5	16.9	16.2	16.2	17.3	.	.	.	14.4	17.4	16	14.0	16.1
DS95-217-1-880	.	14.4	.	14.7	15.9	.	17.2	15.7	15.7	14.8	15.9	.	.	.	11.8	16.3	15.2	15.4	15.2
JTN-5107	.	14.2	.	11.3	13.0	.	17.3	13.8	14.4	15.1	13.3	.	.	.	12.5	13.8	12.1	12.3	13.6
JTN-5108	.	15.0	.	13.3	14.0	.	14.7	14.5	13.4	13.4	14.3	.	.	.	11.6	14.5	13.7	13.0	13.8
JTN-5203	.	12.4	.	11.9	12.6	.	14.5	13.2	12.5	13.5	13.6	.	.	.	12.8	12.7	12.8	12.5	12.9
JTN-5308	.	14.3	.	14.7	15.1	.	15.9	13.6	14.2	14.5	15.8	.	.	.	14.7	15.9	14.2	15.3	14.8
K05-4987RR	.	12.0	.	11.5	11.9	.	13.7	13.2	12.0	11.9	12.1	.	.	.	11.6	11.8	11.8	11.7	12.1
K06-3202RR	.	15.0	.	13.6	12.9	.	16.4	14.4	13.7	13.8	14.4	.	.	.	13.2	13.4	13.4	13.1	13.9
K06-3208RR	.	13.8	.	14.5	15.3	.	19.3	16.8	15.9	16.6	17.3	.	.	.	11.3	15.6	15.4	15.7	15.6
N02-417	.	17.7	.	15.4	14.9	.	18.5	17.1	14.9	18.0	16.3	.	.	.	14.4	17.5	15.9	14.4	16.2
N02-7002	.	15.2	.	14.1	15.2	.	15.9	14.8	15.1	14.2	16.5	.	.	.	12.7	15.3	15.2	14.6	14.9
N02-7779	.	12.9	.	14.0	14.1	.	16.8	14.1	14.0	15.8	15.0	.	.	.	15.4	15.5	14	13.5	14.6
NCC04-1555	.	11.9	.	11.6	12.3	.	13.5	10.9	11.8	12.7	12.5	.	.	.	15.1	13.4	11	11.9	12.4
NCC05-1323	.	14.2	.	12.6	12.8	.	15.2	14.8	11.9	13.1	13.5	.	.	.	12.3	12.6	13.6	12.1	13.2
NCC05-1336	.	11.5	.	12.0	12.9	.	14.5	13.6	13.0	13.7	13.4	.	.	.	12.6	12.5	12.3	13.2	12.9
NCC05-4512R	.	11.6	.	12.9	13.5	.	16.2	14.7	13.1	15.4	14.7	.	.	.	14.2	14.9	14.1	12.6	14.0
NCC05-7568R	.	11.9	.	14.7	14.3	.	16.3	13.6	14.0	15.7	14.7	.	.	.	13.2	16.5	15.3	13.1	14.4
NCC05-7649R	.	13.5	.	13.6	13.9	.	16.8	13.4	14.2	14.9	15.8	.	.	.	14.9	16.8	15.4	13.5	14.7
R01-3474F	.	14.7	.	13.0	13.2	.	15.2	12.5	13.0	13.7	14.4	.	.	.	12.3	13.3	12.1	13.0	13.4
R04-357	.	13.8	.	12.8	12.6	.	15.1	13.3	12.4	13.2	12.7	.	.	.	12.1	14.5	12.6	12.4	13.1
R04-572	.	16.2	.	14.0	15.2	.	16.4	14.0	14.6	14.1	14.9	.	.	.	14.4	15.5	14.6	14.0	14.8
R05-235	.	15.4	.	16.0	17.6	.	18.7	15.4	16.9	15.9	17.7	.	.	.	16.1	17.9	15	17.0	16.6
S05-11268	.	13.2	.	13.0	12.8	.	15.7	12.9	12.6	13.4	13.0	.	.	.	13.2	14.6	13.6	13.2	13.4
S05-11482	.	13.0	.	12.9	12.9	.	16.1	14.1	13.7	6.0	14.4	.	.	.	13.6	14.0	13	12.1	13.0
S06-3027	.	11.6	.	14.2	13.5	.	15.2	13.9	13.5	13.7	13.3	.	.	.	13.8	13.7	13.2	12.7	13.5
S06-3053	.	11.0	.	11.6	12.4	.	12.9	12.4	11.2	12.0	13.0	.	.	.	14.0	12.4	11.7	11.6	12.2
S06-3095	.	12.5	.	12.6	13.5	.	14.9	13.5	13.4	12.8	14.2	.	.	.	13.6	13.3	13.5	12.5	13.4
TN03-217	.	8.7	.	7.1	7.2	.	8.8	7.9	7.0	8.6	8.8	.	.	.	10.9	7.9	7.3	6.4	8.1
TN04-089	.	16.2	.	14.1	14.1	.	17.2	15.4	14.1	15.8	14.8	.	.	.	12.6	15.2	13.5	13.4	14.7
TN04-124	.	14.6	.	12.9	14.4	.	17.7	14.5	14.4	15.4	14.2	.	.	.	14.0	15.0	14.4	13.6	14.6
TN04-5321	.	16.4	.	14.7	16.0	.	17.9	13.7	15.5	16.6	17.0	.	.	.	15.8	19.4	16.5	16.8	16.3
V03-3650	.	15.3	.	12.9	12.8	.	16.4	13.6	13.7	14.2	14.0	.	.	.	10.6	14.5	12.8	13.9	13.7
V03-4298	.	14.2	.	12.4	14.4	.	15.7	13.7	14.0	15.0	14.2	.	.	.	13.6	15.7	14.3	13.6	14.2
V04-3471	.	13.8	.	14.6	15.6	.	17.3	14.6	15.5	16.7	15.2	.	.	.	11.9	16.5	15.2	15.3	15.2
V04-5959	.	13.9	.	14.1	14.1	.	17.2	15.7	14.2	15.9	14.6	.	.	.	10.7	14.7	15.2	14.4	14.6
Mean	.	13.6	.	13.3	13.5	.	15.9	14.0	13.6	14.2	14.5	.	.	.	13.0	14.6	13.8	13.4	.

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Portageville, MO(A)	Portageville, MO(B)	Rohwer, AR	Stoneville, MS	Area Mean
5002T	10/3	9/26	10/12	10/1	9/21	10/1
5601T	6	8	8	0	4	5
AG 5605	6	5	10	2	5	6
JTN-5503	5	6	6	3	5	5
OSAGE	5	6	9	2	4	5
DB03-10440	-2	-1	1	-1	1	0
DB03-1381	6	7	8	7	4	6
DB04-10836	6	6	9	3	6	6
DB04-10997	3	4	4	-1	6	3
DB04-290	-1	1	1	-3	8	1
DS95-217-1-880	9	7	5	3	1	5
JTN-5107	9	9	7	0	2	5
JTN-5108	6	10	6	1	1	5
JTN-5203	2	5	4	-1	1	2
JTN-5308	6	8	7	4	8	6
K05-4987RR	0	3	0	-3	1	0
K06-3202RR	-1	4	0	-3	2	1
K06-3208RR	3	4	4	0	5	3
N02-417	6	8	11	8	1	7
N02-7002	4	3	5	2	0	3
N02-7779	0	-1	5	1	0	1
NCC04-1555	10	11	13	6	5	9
NCC05-1323	-1	3	0	-4	2	0
NCC05-1336	-1	3	0	-3	2	0
NCC05-4512R	4	3	6	1	1	3
NCC05-7568R	4	6	12	5	2	6
NCC05-7649R	9	8	13	5	4	8
R01-3474F	10	9	11	4	3	7
R04-357	9	8	10	5	6	7
R04-572	13	12	13	9	7	11
R05-235	12	12	13	6	7	10
S05-11268	3	0	1	0	3	1
S05-11482	2	3	1	-1	-1	1
S06-3027	-3	-3	-1	-6	5	-2
S06-3053	3	3	2	-2	4	2
S06-3095	0	-2	0	-5	1	-1
TN03-217	-1	7	6	-2	-4	1
TN04-089	3	7	10	4	1	5
TN04-124	1	2	4	-1	1	1
TN04-5321	5	9	6	1	1	4
V03-3650	2	2	7	4	3	4
V03-4298	4	6	8	4	0	4
V04-3471	6	7	9	3	2	5
V04-5959	-3	-5	0	-3	1	-2
Mean	4	5	6	1	3	4

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

East

STRAIN/ VARIETY	Georgetown, DE	Kinston, NC(A)	Suffolk, VA	Warsaw, VA	Area Mean
5002T	.	10/13	10/15	10/2	10/10
5601T	.	6	8	7	7
AG 5605	.	10	2	7	6
JTN-5503	.	7	2	7	5
OSAGE	.	6	0	7	4
DB03-10440	.	1	0	2	1
DB03-1381	.	5	0	7	4
DB04-10836	.	11	-2	9	5
DB04-10997	.	1	-2	6	2
DB04-290	.	2	-5	2	0
DS95-217-1-880	.	6	0	7	4
JTN-5107	.	6	8	7	7
JTN-5108	.	7	4	9	7
JTN-5203	.	6	-2	7	3
JTN-5308	.	10	8	7	8
K05-4987RR	.	5	-2	4	2
K06-3202RR	.	-1	-2	2	0
K06-3208RR	.	1	-2	2	0
N02-417	.	13	10	6	10
N02-7002	.	4	-2	3	1
N02-7779	.	7	2	1	3
NCC04-1555	.	11	11	10	11
NCC05-1323	.	1	-5	2	-1
NCC05-1336	.	1	-5	2	0
NCC05-4512R	.	6	2	2	3
NCC05-7568R	.	11	8	6	8
NCC05-7649R	.	12	5	7	8
R01-3474F	.	9	5	9	8
R04-357	.	11	2	7	6
R04-572	.	12	11	12	12
R05-235	.	13	8	10	10
S05-11268	.	4	-2	2	1
S05-11482	.	4	-2	2	1
S06-3027	.	0	-9	2	-3
S06-3053	.	3	-2	3	1
S06-3095	.	1	-2	3	0
TN03-217	.	0	0	4	1
TN04-089	.	4	0	5	3
TN04-124	.	1	2	4	3
TN04-5321	.	6	8	12	9
V03-3650	.	6	2	7	5
V03-4298	.	12	8	5	8
V04-3471	.	6	0	8	5
V04-5959	.	2	0	2	1
Mean	.	5	2	5	4

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Princeton, KY	Springfield, TN	Starkville, MS	Ullin, IL	Area Mean
5002T	10/7	9/27	.	10/9	.	.	10/4
5601T	4	4	.	2	.	.	3
AG 5605	4	11	.	4	.	.	7
JTN-5503	2	13	.	4	.	.	6
OSAGE	2	10	.	1	.	.	4
DB03-10440	-1	1	.	-1	.	.	0
DB03-1381	5	12	.	2	.	.	6
DB04-10836	1	11	.	7	.	.	6
DB04-10997	-2	6	.	2	.	.	2
DB04-290	1	3	.	1	.	.	1
DS95-217-1-880	0	14	.	2	.	.	5
JTN-5107	2	5	.	6	.	.	4
JTN-5108	-1	13	.	3	.	.	5
JTN-5203	0	12	.	5	.	.	6
JTN-5308	5	13	.	1	.	.	6
K05-4987RR	-2	4	.	2	.	.	1
K06-3202RR	-1	1	.	1	.	.	0
K06-3208RR	-1	6	.	0	.	.	1
N02-417	1	11	.	1	.	.	4
N02-7002	-2	5	.	-1	.	.	0
N02-7779	-1	0	.	-1	.	.	-1
NCC04-1555	7	13	.	7	.	.	9
NCC05-1323	-2	0	.	0	.	.	-1
NCC05-1336	-2	5	.	1	.	.	1
NCC05-4512R	0	11	.	0	.	.	4
NCC05-7568R	6	11	.	4	.	.	7
NCC05-7649R	4	12	.	4	.	.	7
R01-3474F	2	13	.	6	.	.	7
R04-357	0	13	.	4	.	.	6
R04-572	6	15	.	7	.	.	9
R05-235	6	15	.	7	.	.	9
S05-11268	-2	0	.	3	.	.	0
S05-11482	1	5	.	2	.	.	2
S06-3027	-2	3	.	1	.	.	0
S06-3053	1	9	.	1	.	.	4
S06-3095	-1	6	.	2	.	.	2
TN03-217	1	6	.	-2	.	.	1
TN04-089	3	11	.	0	.	.	5
TN04-124	-2	6	.	2	.	.	2
TN04-5321	3	12	.	5	.	.	7
V03-3650	1	6	.	2	.	.	3
V03-4298	1	12	.	1	.	.	5
V04-3471	4	12	.	3	.	.	6
V04-5959	-1	-1	.	-1	.	.	-1
Mean	1	8	.	2	.	.	4

TABLE 41 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*McCune, KS*	*Pittsburg, KS*	*Area Mean*
5002T	10/1	.	.	10/1
5601T	-5	.	.	-5
AG 5605	-6	.	.	-6
JTN-5503	7	.	.	7
OSAGE	-6	.	.	-6
DB03-10440	-4	.	.	-4
DB03-1381	6	.	.	6
DB04-10836	1	.	.	1
DB04-10997	1	.	.	1
DB04-290	-5	.	.	-5
DS95-217-1-880	5	.	.	5
JTN-5107	-6	.	.	-6
JTN-5108	2	.	.	2
JTN-5203	-10	.	.	-10
JTN-5308	8	.	.	8
K05-4987RR	-5	.	.	-5
K06-3202RR	-4	.	.	-4
K06-3208RR	-5	.	.	-5
N02-417	-4	.	.	-4
N02-7002	1	.	.	1
N02-7779	-6	.	.	-6
NCC04-1555	7	.	.	7
NCC05-1323	-6	.	.	-6
NCC05-1336	-8	.	.	-8
NCC05-4512R	-5	.	.	-5
NCC05-7568R	-7	.	.	-7
NCC05-7649R	-5	.	.	-5
R01-3474F	-3	.	.	-3
R04-357	-2	.	.	-2
R04-572	-2	.	.	-2
R05-235	-5	.	.	-5
S05-11268	-6	.	.	-6
S05-11482	-5	.	.	-5
S06-3027	0	.	.	0
S06-3053	1	.	.	1
S06-3095	0	.	.	0
TN03-217	-8	.	.	-8
TN04-089	-3	.	.	-3
TN04-124	-1	.	.	-1
TN04-5321	-1	.	.	-1
V03-3650	-1	.	.	-1
V03-4298	-7	.	.	-7
V04-3471	-5	.	.	-5
V04-5959	-7	.	.	-7
Mean	-2	.	.	-2

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Portageville, MO(A)*	*Portageville, MO(B)*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
5002T	18	15	21	19	19	19
5601T	23	19	25	29	25	24
AG 5605	22	21	26	20	25	23
JTN-5503	23	19	26	21	21	22
OSAGE	19	18	23	23	23	21
DB03-10440	21	14	24	26	18	20
DB03-1381	23	22	26	21	29	24
DB04-10836	29	25	28	35	28	29
DB04-10997	23	24	25	27	24	25
DB04-290	20	17	26	25	21	22
DS95-217-1-880	16	15	22	19	19	18
JTN-5107	22	16	23	23	21	21
JTN-5108	24	25	25	26	25	25
JTN-5203	18	18	22	20	28	21
JTN-5308	26	24	28	25	28	26
K05-4987RR	24	19	23	29	20	23
K06-3202RR	22	27	27	25	20	24
K06-3208RR	15	22	23	21	18	20
N02-417	21	14	23	29	20	21
N02-7002	22	13	23	29	20	21
N02-7779	16	15	22	18	20	18
NCC04-1555	20	18	23	28	21	22
NCC05-1323	22	19	22	27	22	22
NCC05-1336	20	22	25	26	22	23
NCC05-4512R	16	13	21	25	21	19
NCC05-7568R	16	15	21	22	20	19
NCC05-7649R	18	18	21	22	28	22
R01-3474F	31	20	27	24	25	26
R04-357	26	18	28	25	26	25
R04-572	23	23	27	24	20	24
R05-235	20	21	25	27	18	22
S05-11268	19	14	20	26	22	20
S05-11482	28	20	26	.	28	26
S06-3027	28	23	30	34	28	29
S06-3053	24	22	27	33	30	27
S06-3095	27	25	23	33	36	29
TN03-217	19	15	23	15	20	18
TN04-089	26	15	25	23	26	23
TN04-124	22	23	26	21	22	23
TN04-5321	35	29	29	32	26	30
V03-3650	24	19	25	28	22	24
V03-4298	19	16	23	20	24	20
V04-3471	20	17	22	24	20	21
V04-5959	15	12	20	20	16	17
Mean	22	19	24	25	23	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

East

STRAIN/ VARIETY	*Georgetown, DE*	*Kinston, NC(A)*	*Suffolk, VA*	*Warsaw, VA*	*Area Mean*
5002T	28	24	26	29	27
5601T	33	28	32	34	32
AG 5605	37	26	31	35	32
JTN-5503	37	26	30	31	31
OSAGE	33	26	30	34	31
DB03-10440	32	.	29	32	30
DB03-1381	43	26	30	34	33
DB04-10836	46	30	35	38	37
DB04-10997	41	24	30	34	32
DB04-290	28	26	31	30	29
DS95-217-1-880	34	24	25	27	28
JTN-5107	36	28	30	34	32
JTN-5108	39	29	30	32	32
JTN-5203	38	27	28	33	32
JTN-5308	40	32	34	37	36
K05-4987RR	40	28	30	37	34
K06-3202RR	35	26	33	36	33
K06-3208RR	36	26	31	29	31
N02-417	42	26	27	30	31
N02-7002	36	26	30	32	31
N02-7779	30	27	29	27	28
NCC04-1555	40	26	28	31	31
NCC05-1323	35	28	28	32	31
NCC05-1336	40	28	30	36	33
NCC05-4512R	36	24	29	27	29
NCC05-7568R	36	28	27	30	30
NCC05-7649R	34	26	29	32	30
R01-3474F	40	27	36	36	35
R04-357	47	30	33	37	37
R04-572	36	29	30	32	32
R05-235	41	30	34	34	35
S05-11268	40	26	28	28	31
S05-11482	40	32	29	30	32
S06-3027	50	30	36	37	38
S06-3053	39	32	34	36	35
S06-3095	54	32	36	37	40
TN03-217	30	20	23	22	24
TN04-089	39	31	33	33	34
TN04-124	39	32	30	35	34
TN04-5321	46	30	36	40	38
V03-3650	40	28	30	38	34
V03-4298	33	28	29	33	31
V04-3471	44	28	35	37	36
V04-5959	40	24	26	24	28
Mean	38	28	31	33	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Princeton, KY	Springfield, TN	Starkville, MS	Ullin, IL	Area Mean
5002T	29	27	37	35	16	36	30
5601T	32	33	43	33	23	42	34
AG 5605	36	34	45	33	22	39	35
JTN-5503	31	33	42	33	21	42	34
OSAGE	32	30	42	32	22	36	32
DB03-10440	34	27	42	31	16	37	31
DB03-1381	31	35	47	32	17	40	34
DB04-10836	40	37	43	35	26	38	37
DB04-10997	34	34	42	35	23	39	35
DB04-290	33	26	45	31	18	43	33
DS95-217-1-880	28	29	35	29	18	37	29
JTN-5107	34	31	41	31	21	38	33
JTN-5108	35	33	38	32	23	39	33
JTN-5203	30	31	39	31	19	39	31
JTN-5308	36	36	46	32	26	38	36
K05-4987RR	34	31	38	36	17	40	33
K06-3202RR	35	29	44	32	22	44	34
K06-3208RR	30	28	37	31	18	38	30
N02-417	32	29	37	30	18	40	31
N02-7002	35	31	43	33	19	36	33
N02-7779	27	27	37	30	16	36	29
NCC04-1555	31	30	37	29	17	37	30
NCC05-1323	32	29	39	33	21	36	32
NCC05-1336	36	30	42	32	22	32	32
NCC05-4512R	30	27	37	32	17	39	30
NCC05-7568R	28	28	40	29	20	41	31
NCC05-7649R	32	33	42	29	22	41	33
R01-3474F	36	34	43	36	24	38	35
R04-357	34	35	41	32	29	39	35
R04-572	33	33	43	33	22	38	34
R05-235	36	34	45	32	23	39	35
S05-11268	30	30	41	34	21	29	31
S05-11482	35	28	39	33	21	35	32
S06-3027	39	32	44	38	32	41	38
S06-3053	40	35	41	38	27	37	36
S06-3095	39	33	41	38	26	36	36
TN03-217	23	25	39	30	13	33	27
TN04-089	35	35	40	33	23	41	35
TN04-124	36	35	45	40	22	40	36
TN04-5321	39	39	41	37	31	37	37
V03-3650	33	33	40	35	21	38	33
V03-4298	32	29	39	35	22	34	32
V04-3471	31	34	39	32	21	42	33
V04-5959	26	27	34	28	17	33	28
Mean	33	31	41	33	21	38	.

TABLE 42 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*McCune, KS*	*Pittsburg, KS*	*Area Mean*
5002T	20	36	38	31
5601T	26	40	41	36
AG 5605	23	39	42	35
JTN-5503	24	40	39	35
OSAGE	19	37	39	32
DB03-10440	23	33	36	31
DB03-1381	23	43	42	36
DB04-10836	27	39	45	37
DB04-10997	22	37	36	32
DB04-290	22	38	36	32
DS95-217-1-880	19	36	37	31
JTN-5107	23	40	40	34
JTN-5108	29	37	39	35
JTN-5203	21	39	39	33
JTN-5308	29	42	45	39
K05-4987RR	26	42	41	36
K06-3202RR	27	42	42	37
K06-3208RR	22	39	38	33
N02-417	24	40	43	36
N02-7002	23	41	41	35
N02-7779	22	38	36	32
NCC04-1555	23	39	39	34
NCC05-1323	22	41	42	35
NCC05-1336	26	42	40	36
NCC05-4512R	22	38	44	35
NCC05-7568R	25	38	40	34
NCC05-7649R	27	39	41	36
R01-3474F	23	43	41	36
R04-357	28	43	43	38
R04-572	24	38	39	34
R05-235	26	44	44	38
S05-11268	20	38	40	33
S05-11482	26	40	43	36
S06-3027	32	46	46	41
S06-3053	30	45	45	40
S06-3095	33	48	42	41
TN03-217	17	34	35	28
TN04-089	22	38	42	34
TN04-124	25	40	43	36
TN04-5321	32	40	45	39
V03-3650	20	40	39	33
V03-4298	22	35	37	31
V04-3471	22	40	40	34
V04-5959	20	34	34	29
Mean	24	40	40	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Portageville, MO(A)	Portageville, MO(B)	Rohwer, AR	Stoneville, MS	Area Mean
5002T	0.5	2.0	2.0	1.0	2.0	1.5
5601T	0.7	2.3	2.0	1.0	2.0	1.6
AG 5605	0.8	2.3	2.0	1.0	2.0	1.6
JTN-5503	0.5	2.0	2.0	1.0	2.0	1.5
OSAGE	0.5	2.0	2.0	1.0	2.0	1.5
DB03-10440	1.3	2.0	2.0	1.0	2.0	1.7
DB03-1381	0.7	2.0	3.0	1.0	2.0	1.7
DB04-10836	0.8	2.7	2.0	1.3	3.0	2.0
DB04-10997	0.5	2.0	2.3	1.0	2.0	1.6
DB04-290	0.5	2.0	2.3	1.0	2.0	1.6
DS95-217-1-880	0.5	2.0	2.0	1.0	2.0	1.5
JTN-5107	0.7	2.7	2.0	1.0	2.0	1.7
JTN-5108	0.7	2.7	2.0	1.0	2.0	1.7
JTN-5203	0.5	2.0	2.0	1.0	2.0	1.5
JTN-5308	1.0	2.7	2.7	1.0	2.0	1.9
K05-4987RR	0.7	2.3	2.0	1.0	2.0	1.6
K06-3202RR	0.7	2.0	2.0	1.0	2.0	1.5
K06-3208RR	0.5	2.3	2.0	1.0	2.0	1.6
N02-417	0.5	2.0	2.0	1.0	2.0	1.5
N02-7002	0.5	2.0	2.0	1.2	2.0	1.5
N02-7779	0.5	2.0	2.0	1.0	2.0	1.5
NCC04-1555	0.5	2.3	2.0	1.0	2.0	1.6
NCC05-1323	0.5	2.0	2.0	1.0	2.0	1.5
NCC05-1336	0.5	2.3	2.0	1.0	2.0	1.6
NCC05-4512R	0.5	2.0	2.0	1.0	2.0	1.5
NCC05-7568R	0.5	2.3	2.3	1.0	2.0	1.6
NCC05-7649R	0.5	2.0	2.0	1.0	2.0	1.5
R01-3474F	1.0	2.7	2.3	1.0	2.0	1.8
R04-357	0.7	2.3	2.0	1.0	2.0	1.6
R04-572	0.5	2.3	2.0	1.0	2.0	1.6
R05-235	0.5	2.3	2.0	1.0	2.0	1.6
S05-11268	0.5	2.0	2.0	1.0	2.0	1.5
S05-11482	0.8	2.7	3.0	1.0	2.0	1.9
S06-3027	0.8	2.0	2.3	2.0	2.0	1.8
S06-3053	0.7	2.0	2.0	1.0	2.0	1.5
S06-3095	1.0	2.0	2.7	1.3	3.0	2.0
TN03-217	0.5	2.0	2.0	1.0	2.0	1.5
TN04-089	0.7	2.0	2.0	1.0	2.0	1.5
TN04-124	0.7	2.0	2.3	1.0	2.0	1.6
TN04-5321	2.0	3.0	2.3	1.0	3.0	2.3
V03-3650	0.5	2.3	2.3	1.0	2.0	1.6
V03-4298	0.5	2.7	2.0	1.0	2.0	1.6
V04-3471	0.7	2.0	2.0	1.0	2.0	1.5
V04-5959	0.5	2.0	2.0	1.0	2.0	1.5
Mean	0.7	2.2	2.1	1.0	2.1	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

East

STRAIN/ VARIETY	Georgetown, DE	Kinston, NC(A)	Suffolk, VA	Warsaw, VA	Area Mean
5002T	2.0	2.0	.	1.6	1.8
5601T	1.5	1.5	.	2.2	1.8
AG 5605	1.3	1.0	.	2.0	1.6
JTN-5503	1.5	2.0	.	2.5	2.1
OSAGE	1.3	1.5	.	1.9	1.6
DB03-10440	2.8	.	.	2.8	2.8
DB03-1381	1.5	3.0	.	3.0	2.5
DB04-10836	3.0	3.0	.	3.3	3.2
DB04-10997	2.0	2.0	.	2.4	2.2
DB04-290	2.5	3.0	2.1	3.0	2.7
DS95-217-1-880	2.0	1.0	.	1.5	1.6
JTN-5107	2.3	2.0	.	2.0	2.1
JTN-5108	2.3	2.5	.	3.1	2.7
JTN-5203	1.5	1.5	.	1.8	1.6
JTN-5308	1.8	3.0	.	3.6	2.9
K05-4987RR	2.3	3.0	.	3.0	2.8
K06-3202RR	1.0	2.0	.	2.3	2.0
K06-3208RR	2.3	2.0	.	2.0	2.1
N02-417	1.0	1.5	.	1.6	1.5
N02-7002	1.5	1.5	.	1.7	1.6
N02-7779	0.8	1.0	.	1.5	1.2
NCC04-1555	1.8	1.0	.	1.7	1.6
NCC05-1323	2.0	3.0	1.6	1.8	2.0
NCC05-1336	1.3	2.0	0.9	2.1	1.7
NCC05-4512R	1.8	1.5	.	1.1	1.4
NCC05-7568R	1.0	1.0	.	1.3	1.2
NCC05-7649R	1.0	1.0	.	1.6	1.4
R01-3474F	1.8	2.0	.	2.4	2.1
R04-357	2.0	3.0	.	2.8	2.6
R04-572	1.0	1.0	.	2.0	1.6
R05-235	1.0	2.0	.	2.3	1.8
S05-11268	1.0	3.0	.	2.4	2.3
S05-11482	1.5	3.0	.	2.5	2.3
S06-3027	2.3	3.5	2.0	2.9	2.5
S06-3053	1.3	3.0	.	2.7	2.3
S06-3095	2.5	3.5	.	3.0	2.9
TN03-217	1.3	1.5	.	1.3	1.3
TN04-089	1.0	2.5	.	1.9	1.7
TN04-124	1.3	2.0	.	1.8	1.7
TN04-5321	2.0	2.0	.	3.2	2.6
V03-3650	1.3	2.0	.	2.2	1.9
V03-4298	1.3	1.0	.	2.3	1.7
V04-3471	1.8	1.5	.	2.7	2.2
V04-5959	1.3	1.0	.	1.3	1.2
Mean	1.6	2.0	1.7	2.2	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Princeton, KY	Springfield, TN	Starkville, MS	Ullin, IL	Area Mean
5002T	2.0	2.2	3.7	1.0	1.0	4.7	2.4
5601T	1.3	2.0	3.8	1.0	1.0	4.2	2.2
AG 5605	1.7	1.7	4.0	1.0	1.0	3.7	2.2
JTN-5503	1.7	4.0	4.3	1.0	1.0	4.0	2.7
OSAGE	1.0	1.8	3.2	1.0	1.0	4.5	2.1
DB03-10440	2.7	2.8	5.0	1.3	1.0	4.7	2.9
DB03-1381	2.3	4.0	4.2	1.2	1.0	4.2	2.8
DB04-10836	3.0	3.8	3.8	1.7	1.0	4.8	3.0
DB04-10997	1.3	3.0	3.5	1.5	1.0	3.8	2.4
DB04-290	2.7	4.0	4.8	2.7	1.0	4.5	3.3
DS95-217-1-880	2.0	1.5	3.7	1.0	1.0	4.2	2.2
JTN-5107	2.0	2.0	3.8	1.3	1.0	3.5	2.3
JTN-5108	2.7	4.5	4.3	1.3	1.0	4.3	3.0
JTN-5203	1.0	1.8	4.0	1.2	1.0	3.8	2.1
JTN-5308	3.3	4.8	4.5	1.7	1.0	5.0	3.4
K05-4987RR	1.7	2.3	4.3	2.0	1.0	4.3	2.6
K06-3202RR	1.7	1.3	4.0	1.0	1.0	4.3	2.2
K06-3208RR	1.3	2.5	3.7	1.0	1.0	4.3	2.3
N02-417	1.7	2.0	3.5	1.0	1.0	4.0	2.2
N02-7002	1.7	2.3	4.0	1.2	1.0	4.7	2.5
N02-7779	2.0	1.3	4.3	1.0	1.0	5.0	2.4
NCC04-1555	1.3	1.5	3.2	1.0	1.0	3.3	1.9
NCC05-1323	2.0	3.2	4.5	1.2	1.0	4.7	2.8
NCC05-1336	2.3	4.3	4.0	1.0	1.0	4.5	2.9
NCC05-4512R	1.0	2.0	3.2	1.0	1.0	3.8	2.0
NCC05-7568R	1.0	2.0	3.0	1.0	1.0	3.7	1.9
NCC05-7649R	1.0	1.8	3.0	1.0	1.0	3.0	1.8
R01-3474F	1.3	2.7	3.7	1.0	1.0	3.8	2.3
R04-357	3.0	4.2	4.2	1.3	1.0	4.5	3.0
R04-572	2.0	1.8	3.3	1.3	1.0	3.5	2.2
R05-235	2.0	1.8	3.5	1.0	1.0	3.8	2.2
S05-11268	2.3	3.5	4.3	1.8	1.0	4.8	3.0
S05-11482	2.7	4.0	4.5	1.8	1.0	5.0	3.2
S06-3027	2.3	5.0	4.3	2.2	1.0	4.3	3.2
S06-3053	2.0	3.3	4.0	2.0	1.0	4.0	2.7
S06-3095	2.0	3.7	4.0	1.5	1.0	4.7	2.8
TN03-217	1.0	1.8	4.0	1.2	1.0	3.8	2.1
TN04-089	1.0	2.3	3.7	1.0	1.0	3.7	2.1
TN04-124	1.3	2.3	3.8	1.0	1.0	3.0	2.1
TN04-5321	2.7	3.5	4.0	2.2	1.0	4.8	3.0
V03-3650	1.3	2.0	2.8	1.3	1.0	4.2	2.1
V03-4298	1.3	2.2	3.7	1.0	1.0	4.2	2.2
V04-3471	1.3	2.7	3.8	1.0	1.0	4.8	2.4
V04-5959	1.0	1.5	2.8	1.0	1.0	3.8	1.9
Mean	1.8	2.7	3.9	1.3	1.0	4.2	.

TABLE 43 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	1.0	4.0	4.3	3.1
5601T	1.0	3.3	3.7	2.7
AG 5605	1.0	2.3	3.0	2.1
JTN-5503	1.0	4.0	4.0	3.0
OSAGE	1.0	2.7	3.0	2.2
DB03-10440	1.7	4.0	4.0	3.2
DB03-1381	1.2	4.0	3.7	2.9
DB04-10836	1.0	3.7	3.7	2.8
DB04-10997	1.0	3.0	3.0	2.3
DB04-290	1.3	4.0	4.0	3.1
DS95-217-1-880	1.0	3.3	3.7	2.7
JTN-5107	1.0	3.7	3.3	2.7
JTN-5108	1.0	4.0	3.3	2.8
JTN-5203	1.0	4.0	4.0	3.0
JTN-5308	2.2	4.0	4.3	3.5
K05-4987RR	1.0	3.7	4.0	2.9
K06-3202RR	1.0	3.3	3.0	2.4
K06-3208RR	1.2	3.7	4.0	2.9
N02-417	1.2	3.0	3.7	2.6
N02-7002	1.0	3.7	4.0	2.9
N02-7779	1.0	3.3	4.0	2.8
NCC04-1555	1.0	3.3	3.3	2.6
NCC05-1323	1.0	4.0	4.0	3.0
NCC05-1336	1.0	3.3	3.7	2.7
NCC05-4512R	1.0	3.0	3.3	2.4
NCC05-7568R	1.0	2.7	2.7	2.1
NCC05-7649R	1.0	3.0	3.0	2.3
R01-3474F	1.0	3.7	3.7	2.8
R04-357	1.0	4.0	4.0	3.0
R04-572	1.0	3.0	3.7	2.6
R05-235	1.0	4.0	4.0	3.0
S05-11268	1.0	4.3	4.3	3.2
S05-11482	1.2	4.3	4.7	3.4
S06-3027	1.8	4.0	4.0	3.3
S06-3053	1.0	4.0	4.0	3.0
S06-3095	2.0	3.7	4.0	3.2
TN03-217	1.0	4.0	3.7	2.9
TN04-089	1.0	3.3	3.0	2.4
TN04-124	1.0	3.0	4.0	2.7
TN04-5321	1.2	3.0	4.0	2.7
V03-3650	1.0	3.0	4.0	2.7
V03-4298	1.0	3.7	4.0	2.9
V04-3471	1.0	3.3	4.0	2.8
V04-5959	1.0	1.7	2.3	1.7
Mean	1.1	3.5	3.7	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Portageville, MO(A)	Portageville, MO(B)	Rohwer, AR	Stoneville, MS	Area Mean
5002T	1.8	4.0	3.0	.	3.0	2.7
5601T	1.7	3.0	3.0	.	3.0	2.5
AG 5605	1.0	3.0	3.0	.	3.0	2.3
JTN-5503	1.2	3.0	3.0	.	3.0	2.3
OSAGE	1.2	3.0	3.0	.	3.0	2.3
DB03-10440	1.8	3.0	3.0	.	3.0	2.6
DB03-1381	1.0	3.0	3.0	.	3.0	2.3
DB04-10836	1.0	3.0	3.0	.	3.0	2.3
DB04-10997	1.3	5.0	3.0	.	3.0	2.6
DB04-290	2.0	4.0	3.0	.	3.0	2.8
DS95-217-1-880	1.8	5.0	2.0	.	3.0	2.7
JTN-5107	2.2	3.0	4.0	.	3.0	2.8
JTN-5108	1.2	3.0	3.0	.	3.0	2.3
JTN-5203	1.3	4.0	4.0	.	3.0	2.6
JTN-5308	1.7	3.0	3.0	.	3.0	2.5
K05-4987RR	1.2	3.0	3.0	.	3.0	2.3
K06-3202RR	2.0	4.0	4.0	.	3.0	2.9
K06-3208RR	2.2	4.0	4.0	.	3.0	2.9
N02-417	1.2	4.0	3.0	.	3.0	2.4
N02-7002	1.3	4.0	3.0	.	3.0	2.5
N02-7779	2.3	4.0	3.0	.	3.0	2.9
NCC04-1555	1.2	3.0	3.0	.	3.0	2.3
NCC05-1323	2.2	3.0	3.0	.	3.0	2.7
NCC05-1336	1.3	3.0	3.0	.	3.0	2.4
NCC05-4512R	1.3	3.0	3.0	.	3.0	2.4
NCC05-7568R	1.3	4.0	4.0	.	3.0	2.6
NCC05-7649R	1.2	2.0	3.0	.	3.0	2.2
R01-3474F	1.3	4.0	3.0	.	3.0	2.5
R04-357	1.3	4.0	4.0	.	3.0	2.6
R04-572	1.2	3.0	3.0	.	3.0	2.3
R05-235	1.2	2.0	2.0	.	3.0	2.1
S05-11268	1.8	4.0	3.0	.	2.0	2.3
S05-11482	2.0	5.0	3.0	.	3.0	2.9
S06-3027	2.0	5.0	3.0	.	3.0	2.9
S06-3053	1.7	3.0	3.0	.	3.0	2.5
S06-3095	1.8	2.0	3.0	.	3.0	2.4
TN03-217	1.8	3.0	3.0	.	3.0	2.6
TN04-089	1.8	6.0	3.0	.	3.0	2.9
TN04-124	1.7	4.0	3.0	.	3.0	2.6
TN04-5321	1.2	3.0	3.0	.	3.0	2.3
V03-3650	1.5	3.0	3.0	.	3.0	2.4
V03-4298	1.3	4.0	3.0	.	3.0	2.5
V04-3471	1.3	3.0	3.0	.	3.0	2.4
V04-5959	2.7	3.0	3.0	.	3.0	2.9
Mean	1.6	3.5	3.1	.	3.0	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

East

STRAIN/ VARIETY	Georgetown, DE	Kinston, NC(A)	Suffolk, VA	Warsaw, VA	Area Mean
5002T	.	.	2.7	1.4	2.0
5601T	.	.	1.7	1.3	1.5
AG 5605	.	.	1.3	1.4	1.4
JTN-5503	.	.	2.0	1.3	1.7
OSAGE	.	.	2.0	1.2	1.6
DB03-10440	.	.	2.0	1.2	1.6
DB03-1381	.	.	1.0	1.3	1.2
DB04-10836	.	.	2.0	1.6	1.8
DB04-10997	.	.	2.0	1.2	1.6
DB04-290	.	.	3.0	1.4	2.2
DS95-217-1-880	.	.	2.3	1.6	2.0
JTN-5107	.	.	2.0	1.3	1.7
JTN-5108	.	.	1.3	1.4	1.4
JTN-5203	.	.	2.3	1.4	1.9
JTN-5308	.	.	2.7	1.9	2.3
K05-4987RR	.	.	2.0	1.1	1.6
K06-3202RR	.	.	2.0	1.4	1.7
K06-3208RR	.	.	3.0	1.3	2.2
N02-417	.	.	2.3	1.6	2.0
N02-7002	.	.	3.3	1.5	2.4
N02-7779	.	.	2.7	1.4	2.0
NCC04-1555	.	.	1.3	1.5	1.4
NCC05-1323	.	.	2.0	1.5	1.8
NCC05-1336	.	.	2.0	1.2	1.6
NCC05-4512R	.	.	2.0	1.2	1.6
NCC05-7568R	.	.	2.0	1.1	1.5
NCC05-7649R	.	.	2.0	1.1	1.5
R01-3474F	.	.	1.0	1.5	1.3
R04-357	.	.	2.3	1.5	1.9
R04-572	.	.	1.3	1.8	1.6
R05-235	.	.	2.3	1.5	1.9
S05-11268	.	.	2.7	1.5	2.1
S05-11482	.	.	2.0	1.2	1.6
S06-3027	.	.	2.3	1.5	1.9
S06-3053	.	.	2.0	1.6	1.8
S06-3095	.	.	2.3	1.6	2.0
TN03-217	.	.	1.0	1.1	1.0
TN04-089	.	.	2.0	1.3	1.7
TN04-124	.	.	2.3	1.4	1.9
TN04-5321	.	.	2.3	1.7	2.0
V03-3650	.	.	2.0	1.8	1.9
V03-4298	.	.	2.7	1.4	2.0
V04-3471	.	.	1.3	1.4	1.4
V04-5959	.	.	2.0	1.6	1.8
Mean	.	.	2.1	1.4	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

South

STRAIN/ VARIETY	Belle Mina, AL	Knoxville, TN	Princeton, KY	Springfield, TN	Starkville, MS	Ullin, IL	Area Mean
5002T	.	2.3	2.0	.	.	1.0	1.7
5601T	.	1.5	2.0	.	.	1.0	1.4
AG 5605	.	1.0	1.0	.	.	1.0	1.0
JTN-5503	.	1.7	2.0	.	.	1.0	1.4
OSAGE	.	1.5	2.0	.	.	1.0	1.4
DB03-10440	.	1.7	3.0	.	.	1.0	1.6
DB03-1381	.	1.5	2.0	.	.	1.0	1.4
DB04-10836	.	1.2	1.0	.	.	1.0	1.1
DB04-10997	.	1.5	2.0	.	.	1.3	1.5
DB04-290	.	1.8	3.0	.	.	1.0	1.6
DS95-217-1-880	.	1.5	2.0	.	.	1.0	1.4
JTN-5107	.	2.3	3.0	.	.	1.0	1.9
JTN-5108	.	1.5	1.0	.	.	1.3	1.4
JTN-5203	.	1.7	3.0	.	.	1.3	1.7
JTN-5308	.	1.5	4.0	.	.	1.0	1.6
K05-4987RR	.	1.2	2.0	.	.	1.0	1.2
K06-3202RR	.	1.7	2.0	.	.	1.0	1.4
K06-3208RR	.	1.8	3.0	.	.	1.0	1.6
N02-417	.	1.0	2.0	.	.	1.0	1.1
N02-7002	.	1.3	4.0	.	.	1.3	1.7
N02-7779	.	2.2	3.0	.	.	1.0	1.8
NCC04-1555	.	1.5	1.0	.	.	1.0	1.2
NCC05-1323	.	2.2	4.0	.	.	1.0	1.9
NCC05-1336	.	1.8	2.0	.	.	1.0	1.5
NCC05-4512R	.	1.0	2.0	.	.	1.0	1.1
NCC05-7568R	.	1.0	2.0	.	.	1.0	1.1
NCC05-7649R	.	1.3	1.0	.	.	1.0	1.1
R01-3474F	.	1.5	2.0	.	.	1.0	1.4
R04-357	.	1.7	3.0	.	.	1.0	1.6
R04-572	.	1.5	3.0	.	.	1.3	1.6
R05-235	.	1.2	2.0	.	.	1.3	1.4
S05-11268	.	2.0	3.0	.	.	1.0	1.7
S05-11482	.	1.7	4.0	.	.	1.3	1.9
S06-3027	.	2.0	3.0	.	.	1.0	1.7
S06-3053	.	1.2	4.0	.	.	1.3	1.6
S06-3095	.	1.3	3.0	.	.	1.0	1.4
TN03-217	.	1.3	1.0	.	.	1.0	1.1
TN04-089	.	1.5	3.0	.	.	1.0	1.5
TN04-124	.	1.7	3.0	.	.	1.0	1.6
TN04-5321	.	1.3	2.0	.	.	1.0	1.3
V03-3650	.	1.7	2.0	.	.	1.0	1.5
V03-4298	.	1.3	3.0	.	.	1.0	1.4
V04-3471	.	1.3	3.0	.	.	1.0	1.4
V04-5959	.	1.8	3.0	.	.	1.0	1.6
Mean	.	1.5	2.5	.	.	1.1	.

TABLE 44 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V FOR YEAR 2009

West

STRAIN/ VARIETY	Bossier City, LA	McCune, KS	Pittsburg, KS	Area Mean
5002T	3.3	.	1.0	2.2
5601T	1.5	.	2.0	1.8
AG 5605	1.5	.	2.0	1.8
JTN-5503	1.3	.	1.0	1.2
OSAGE	1.2	.	2.0	1.6
DB03-10440	1.5	.	2.0	1.8
DB03-1381	1.2	.	2.0	1.6
DB04-10836	1.3	.	2.0	1.7
DB04-10997	2.5	.	1.0	1.8
DB04-290	2.8	.	2.0	2.4
DS95-217-1-880	1.5	.	2.0	1.8
JTN-5107	1.5	.	2.0	1.8
JTN-5108	1.0	.	2.0	1.5
JTN-5203	2.7	.	2.0	2.3
JTN-5308	1.0	.	2.0	1.5
K05-4987RR	1.0	.	2.0	1.5
K06-3202RR	2.0	.	2.0	2.0
K06-3208RR	3.0	.	3.0	3.0
N02-417	1.7	.	2.0	1.8
N02-7002	1.0	.	2.0	1.5
N02-7779	2.8	.	2.0	2.4
NCC04-1555	1.0	.	2.0	1.5
NCC05-1323	2.5	.	2.0	2.3
NCC05-1336	2.7	.	2.0	2.3
NCC05-4512R	1.5	.	2.0	1.8
NCC05-7568R	1.2	.	2.0	1.6
NCC05-7649R	1.0	.	2.0	1.5
R01-3474F	1.0	.	2.0	1.5
R04-357	1.3	.	2.0	1.7
R04-572	1.0	.	2.0	1.5
R05-235	1.0	.	1.0	1.0
S05-11268	3.8	.	1.0	2.4
S05-11482	3.8	.	2.0	2.9
S06-3027	3.7	.	1.0	2.3
S06-3053	1.7	.	2.0	1.8
S06-3095	2.8	.	2.0	2.4
TN03-217	2.0	.	2.0	2.0
TN04-089	1.2	.	2.0	1.6
TN04-124	2.3	.	2.0	2.2
TN04-5321	1.0	.	2.0	1.5
V03-3650	1.2	.	2.0	1.6
V03-4298	2.7	.	2.0	2.3
V04-3471	1.5	.	2.0	1.8
V04-5959	3.0	.	2.0	2.5
Mean	1.9	.	1.9	.

INTENTIONALLY BLANK

TABLE 45 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	5002T	Holladay X Manokin		
2	5601T	HUTCHESON x TN89-39		
3	AG 5605	Commercial check		
4	JTN-5503	Fowler x Manokin		
5	OSAGE	Hartz 5545 x KS4895		
6	DB06-1055	DT98-7278 X STRONG		
7	DB06-1225	DT98-7278 X LN97-15076		
8	DB06-2257	S99-2281 X LN97-15076		
9	DB06-2662	DB00-4 X S99-1171		
10	DB06-3442	DT98-9102 X PARKER		
11	JTN-5109	Hartwig x PI 567516C	F9	SCN; >75 % exotic
12	JTN-5209	PI 567516C x 5601T	F7	SCN; 50 % exotic
13	K07-2974	5002T/KS4702sp	F4	
14	K07-3561	KS5502N/MD99-6226	F4	
15	K07-4018	KS5502N/MD99-6226	F4	
16	K07-4026	KS5502N/MD99-6226	F4	
17	K07-4063	KS5502N/MD99-6226	F4	
18	Md 06-5007	S99-2281 x Md 99-6226	F5	
19	Md 06-5126	Md 98-5927 x LS 98-0582	F5	
20	Md 06-5771	Md 94-5332 x CX1834-1-2	F5	
21	Md 06-98 RR	Md 99-6226 x Md 99-1098-2 RR	F5	
22	NCC06-2188	TN96-58xV96-0340	F4:8	
23	NCC06-2213	TN96-58xV96-0340	F4:8	
24	NCC06-579	TN96-58xDT99-16864	F4:8	
25	NCC06-593	TN96-58xDT99-16864	F4:8	
26	R03-1187	Ozark x Anand		
27	R05-3079	Lonoke x S96-2692		
28	R05-4519	Lonoke x PI 88310		50 % exotic
29	R06-2712	DP4748 x S99-1171		
30	R06-4222	DP 4748 x Desha		
31	R06-4433	Lonoke x P9594		
32	S06-12439	5002T(WT) X S00-9925-10(WT)	F5	
33	S06-4649	JTN 5503(WT) X DP5634(WT)	F5	
34	S07-10199	S00-9970-09 X S03-380RR	F5	
35	S07-2680	S99-2281 X S02-6143	F5	
36	S07-6602	5601T X DANBAEKKONG	F5	
37	TN05-5018	5601T/ 5002T		
38	TN06-181	5601T/S97-1688		
39	TN06-189	5601T/S97-1688		
40	TN06-196	5601T/S97-1688		
41	TN06-201	5601T/ 5002T		
42	V05-1410	V97-1549 X 00VPI-120	F4	
43	V05-2326	V95-0391 X N96-7211	F4	25 % exotic
44	V05-2592	R95-2210 X V94-0436	F4	
45	V05-2827	V94-0436 X V96-0332	F4	
46	V05-3052	V99-2596 X S96-3418	F4	SCN

TABLE 46 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST V FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
5002T	50.9	35	24	0	2.4	26	2.1	15.6	40.1	20.0	5	5	5	R	1			
5601T	57.5	5	12	6	2.5	33	1.9	14.1	41.4	19.4	5	5	5	R	1			
AG 5605	57.0	6	14	7	2.1	32	1.8	11.8	39.7	19.9	5	4	4	MS	4			
JTN-5503	53.6	23	24	7	2.8	32	1.9	14.7	39.7	19.0	1	2	1	MS	4	W	T	T
OSAGE	52.8	27	24	6	1.9	28	1.8	12.4	41.9	19.1	5	5	5	R	1			
DB06-1055	41.3	44	41	3	2.6	28	1.9	15.7	40.2	20.8	5	4	5	R	1	W	T	T
DB06-1225	49.8	38	29	1	2.3	25	1.9	16.2	40.6	20.2	5	5	5	R	1	W	T	T
DB06-2257	52.5	29	25	4	2.4	30	2.0	14.9	39.8	20.5	5	5	5	R	1	P	T	T
DB06-2662	49.0	42	32	2	2.3	30	1.9	15.1	41.6	19.6	5	4	5	R	1	W	T	T
DB06-3442	53.3	26	24	-1	2.6	31	2.1	16.4	39.3	20.3	5	5	5	SS	3	W	G	T
JTN-5109	32.9	46	44	9	3.5	31	2.4	10.4	39.8	16.1	1	1	3	R	1	P	G	
JTN-5209	35.7	45	43	7	2.6	29	2.3	11.4	41.5	18.5	4	4	5	R	1	W	G	
K07-2974	51.9	32	26	5	2.3	29	2.2	18.3	40.6	20.5	3	5	4	R	1			
K07-3561	50.3	36	28	-3	2.1	27	2.4	15.2	39.8	20.7	2	2	5	SS	3			
K07-4018	53.7	22	22	2	2.3	33	2.1	13.2	38.9	20.4	5	1	5	R	1			
K07-4026	52.3	31	22	2	1.9	30	2.1	14.4	39.7	20.3	5	3	5	R	1			
K07-4063	51.0	34	26	5	2.4	31	1.8	13.8	40.0	19.5	4	1	5	R	1			
Md 06-5007	55.7	10	19	2	2.4	28	1.9	14.9	38.2	21.0	1	1	4	R	1	P	G	
Md 06-5126	50.2	37	29	0	3.0	44	2.5	17.3	41.0	19.7	5	3	4	R	1	W	T	
Md 06-5771	49.7	39	31	-1	2.6	31	2.2	15.4	40.3	20.5	5	3	5	R	1	W	G	
Md 06-98 RR	52.5	28	22	2	2.1	29	1.9	13.7	39.3	20.5	5	5	5	R	1	P	G	
NCC06-2188	53.7	21	20	4	2.6	34	2.0	14.4	41.1	19.7	5	5	5	R	1	W	G	T
NCC06-2213	53.4	25	19	5	2.5	33	2.0	14.7	40.5	20.1	5	5	5	R	1	S	G	B
NCC06-579	58.0	3	15	11	2.5	35	1.9	14.2	40.5	19.0	4	5	5	R	1	P	G	T
NCC06-593	54.5	17	21	9	2.3	33	1.9	15.2	40.8	19.9	5	3	5	R	1	P	G	T
R03-1187	55.7	11	18	3	2.5	31	1.8	14.9	39.5	19.7	5	5	5	R	1	P	T	T
R05-3079	53.4	24	23	4	2.5	29	2.0	12.5	40.3	18.6	5	3	4	R	1	W	T	T
R05-4519	51.1	33	27	1	2.5	32	2.4	13.3	39.7	20.0	5	5	5	R	1	W	G	
R06-2712	54.0	18	23	10	2.8	34	2.2	15.3	39.9	19.9	5	5	5	MR	2	W	T	T
R06-4222	54.8	15	21	10	2.5	35	2.1	13.8	39.5	20.1	5	5	4	R	1	P	G	
R06-4433	57.5	4	17	9	2.6	33	1.9	15.2	40.6	20.0	5	5	4	S	5	W	G	T
S06-12439	53.8	20	23	-1	2.6	27	2.0	14.1	40.7	19.6	1	3	1	R	1	W	T	
S06-4649	58.3	2	13	2	3.1	37	1.9	12.8	39.4	18.7	1	4	1	MS	4	P	T	
S07-10199	59.3	1	10	3	2.6	32	2.0	15.7	41.2	19.1	5	5	5	SS	3	P	T	
S07-2680	55.3	13	20	5	2.5	35	1.9	15.8	39.9	20.0	2	1	4	R	1	W	G	
S07-6602	56.8	7	14	3	2.5	35	2.0	14.5	41.6	19.7	5	5	5	MS	4	W	G	
TN05-5018	56.6	9	13	4	2.2	29	2.0	13.7	40.2	19.7	5	5	5	R	1	W	G	
TN06-181	55.3	14	20	3	2.4	33	2.0	13.4	41.2	19.5	5	5	5	R	1	W	G	
TN06-189	54.5	16	20	1	2.4	34	1.9	13.3	40.9	19.1	5	5	5	MS	4	W	G	
TN06-196	55.6	12	19	2	2.4	33	2.0	13.2	40.9	19.4	5	5	5	MS	4	W	G	
TN06-201	53.9	19	19	2	1.8	29	2.0	13.9	40.8	19.5	5	5	5	R	1	W	G	
V05-1410	44.9	43	40	10	2.0	32	2.1	13.7	42.8	19.3	5	5	4	SS	3	W	G	
V05-2326	56.8	8	16	6	2.2	32	1.8	13.8	39.9	20.0	4	5	5	S	5	W	G	
V05-2592	52.4	30	23	3	2.4	31	2.1	16.1	40.1	20.3	5	5	5	R	1	P	G	
V05-2827	49.1	41	31	1	2.2	32	2.2	17.5	40.7	20.0	5	5	5	R	1	W	G	
V05-3052	49.6	40	31	8	2.2	31	2.1	13.3	39.2	20.8	3	1	5	R	1	SG	T	BR.
Mean	52.4	.	.	4	2.4	32	2.0	14.4	40.3	19.7	.	.	.		.			
LSD(0.05)	5.5	.	.	3	0.4	3	0.4	1.0	0.8	0.6	.	.	.		.			
CV(%)	13.7	.	.	67	22.6	11	18.8	7.4	1.8	3.1	.	.	.		.			

TABLE 47 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	32.8	30.2	40.8	40.1	59.9	59.2	55.2	61.9	59.2	70.5	50.9
5601T	40.8	38.0	81.0	44.2	57.5	63.4	55.0	54.7	61.3	78.0	57.5
AG 5605	41.8	40.2	78.8	43.7	56.9	61.6	50.1	69.9	53.2	74.0	57.0
JTN-5503	32.8	28.3	78.9	28.5	60.2	66.7	57.1	54.2	53.8	75.0	53.6
OSAGE	37.6	38.5	57.5	36.9	54.5	52.2	64.0	71.0	40.1	75.5	52.8
DB06-1055	.	21.7	45.2	25.8	50.3	50.0	30.4	59.4	37.9	64.5	41.3
DB06-1225	36.4	36.3	53.0	41.5	50.1	55.9	35.3	61.8	57.3	67.0	49.8
DB06-2257	37.9	34.8	46.3	33.2	60.6	57.0	51.5	78.5	53.0	72.0	52.5
DB06-2662	34.0	30.8	52.5	31.8	54.6	53.8	53.9	57.6	57.6	64.0	49.0
DB06-3442	32.7	37.3	67.3	41.1	53.8	52.8	55.8	66.9	49.6	75.5	53.3
JTN-5109	25.4	7.9	53.6	18.1	25.8	41.1	21.9	31.0	48.6	52.5	32.9
JTN-5209	25.9	26.1	40.2	35.8	40.0	50.1	20.5	24.1	38.7	57.5	35.7
K07-2974	39.6	25.1	74.6	30.5	48.5	62.4	57.1	50.9	57.3	73.5	51.9
K07-3561	33.5	38.7	58.5	34.8	51.6	65.1	57.4	44.4	55.3	65.0	50.3
K07-4018	38.7	38.1	77.0	34.8	54.8	64.0	41.4	62.4	57.2	68.5	53.7
K07-4026	39.2	42.2	67.0	36.6	55.5	57.5	40.1	49.8	61.7	73.5	52.3
K07-4063	38.9	41.1	59.4	38.3	51.4	60.3	47.9	52.4	50.9	69.0	51.0
Md 06-5007	37.5	32.8	79.3	32.9	58.6	62.5	57.5	64.8	55.2	76.0	55.7
Md 06-5126	28.8	40.7	65.1	50.3	49.4	59.0	36.4	43.6	56.2	68.5	50.2
Md 06-5771	29.7	34.2	67.1	36.0	49.5	58.3	47.0	50.5	56.6	68.5	49.7
Md 06-98 RR	36.9	38.1	61.3	45.3	57.6	55.6	43.0	53.3	62.4	71.5	52.5
NCC06-2188	33.7	38.9	68.1	39.2	54.2	62.9	48.7	52.8	59.9	77.5	53.7
NCC06-2213	39.2	40.3	68.3	41.1	54.5	57.3	46.6	44.8	62.5	78.0	53.4
NCC06-579	39.8	36.7	83.1	38.4	64.6	51.0	66.6	67.9	53.1	79.0	58.0
NCC06-593	41.0	37.6	70.8	37.6	55.8	60.7	64.5	58.9	46.5	71.5	54.5
R03-1187	42.6	40.7	72.8	40.2	54.5	53.7	69.3	57.0	54.8	75.0	55.7
R05-3079	37.4	33.7	60.5	31.6	55.1	63.3	58.9	67.2	56.6	71.5	53.4
R05-4519	29.7	32.3	59.4	37.0	56.3	56.8	51.6	60.0	61.7	68.0	51.1
R06-2712	41.9	32.6	77.3	33.7	56.9	50.6	57.8	64.5	57.4	69.0	54.0
R06-4222	41.0	33.9	78.3	41.5	55.3	56.4	63.2	56.9	49.0	72.5	54.8
R06-4433	38.6	34.3	77.0	43.0	64.5	53.2	64.0	75.4	55.4	70.0	57.5
S06-12439	37.9	36.5	66.7	36.3	55.4	60.2	63.4	54.7	56.8	70.0	53.8
S06-4649	33.0	37.5	83.3	39.2	59.9	61.5	67.7	65.1	64.6	73.5	58.3
S07-10199	46.2	38.5	69.8	43.1	67.7	62.8	67.7	65.4	55.3	77.0	59.3
S07-2680	38.9	36.6	80.5	33.8	63.0	54.3	56.4	61.0	58.0	71.0	55.3
S07-6602	38.6	43.4	75.3	42.0	62.5	61.2	51.3	54.0	59.3	79.5	56.8
TN05-5018	45.3	43.8	43.2	47.2	57.6	59.9	66.4	57.2	67.5	73.5	56.6
TN06-181	29.5	37.0	81.9	38.1	64.3	54.1	57.8	60.8	53.7	76.0	55.3
TN06-189	33.5	40.7	74.7	36.2	56.0	58.0	49.2	60.5	59.0	76.0	54.5
TN06-196	37.5	38.0	75.4	37.6	60.3	55.1	60.7	59.9	56.3	75.0	55.6
TN06-201	37.7	44.9	66.7	38.4	61.6	56.9	45.1	49.4	63.5	74.5	53.9
V05-1410	29.1	33.0	56.7	34.9	50.3	49.5	38.4	45.8	47.2	64.5	44.9
V05-2326	42.4	41.2	80.6	37.9	59.9	52.7	61.5	66.3	59.7	66.0	56.8
V05-2592	34.4	37.9	55.9	41.5	67.4	58.2	40.4	65.7	54.4	68.5	52.4
V05-2827	34.0	37.2	52.6	35.0	52.5	54.9	44.7	60.4	47.3	72.0	49.1
V05-3052	30.2	28.9	64.2	32.4	50.9	64.3	44.5	63.6	45.7	71.0	49.6
Mean	36.3	35.6	66.3	37.3	55.7	57.3	51.8	57.8	55.0	71.3	52.4
LSD(0.05)	9.0	4.3	17.8	5.9	8.7	9.7	7.9	11.5	14.4	7.2	5.5
CV(%)	12.1	6.0	13.2	7.9	7.8	8.4	6.3	9.9	12.8	5.0	13.7

TABLE 48 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	20.8	.	.	20.3	20.2	19.4	20.6	.	19.4	19.5	20.0
5601T	20.3	.	.	19.1	19.8	17.9	20.3	.	19.1	18.9	19.4
AG 5605	21.4	.	.	19.1	19.7	18.9	21.4	.	19.7	19.3	19.9
JTN-5503	20.1	.	.	20.1	18.5	16.9	20.1	.	18.9	18.1	19.0
OSAGE	20.8	.	.	18.5	20.0	17.4	20.4	.	19.0	17.6	19.1
DB06-1055	22.4	.	.	20.6	20.6	19.3	22.0	.	20.7	20.0	20.8
DB06-1225	20.8	.	.	19.6	20.9	19.8	21.5	.	19.7	19.1	20.2
DB06-2257	22.2	.	.	20.5	20.0	19.1	22.0	.	19.5	20.3	20.5
DB06-2662	20.9	.	.	19.2	19.2	17.9	20.4	.	19.3	20.0	19.6
DB06-3442	20.7	.	.	20.2	20.1	18.9	21.8	.	20.3	20.2	20.3
JTN-5109	17.9	.	.	18.9	15.1	12.1	18.2	.	16.4	14.5	16.1
JTN-5209	21.2	.	.	17.0	18.6	16.7	20.0	.	18.5	17.8	18.5
K07-2974	21.9	.	.	19.1	21.5	18.7	21.7	.	20.6	19.7	20.5
K07-3561	21.8	.	.	21.2	20.4	19.9	21.3	.	20.3	20.0	20.7
K07-4018	22.1	.	.	19.1	20.7	19.1	21.5	.	19.8	20.6	20.4
K07-4026	21.1	.	.	20.2	20.2	19.0	21.5	.	20.3	19.8	20.3
K07-4063	20.4	.	.	18.9	19.7	18.0	21.3	.	19.1	19.0	19.5
Md 06-5007	21.6	.	.	20.6	21.1	20.3	22.0	.	21.0	20.3	21.0
Md 06-5126	20.6	.	.	18.1	19.2	19.6	21.8	.	19.1	19.6	19.7
Md 06-5771	21.3	.	.	20.9	20.6	19.9	21.0	.	19.9	19.9	20.5
Md 06-98 RR	21.1	.	.	20.0	20.1	19.9	22.0	.	20.8	19.8	20.5
NCC06-2188	20.5	.	.	18.9	20.2	18.5	20.9	.	19.8	19.0	19.7
NCC06-2213	21.3	.	.	19.9	19.8	18.5	20.9	.	20.5	19.8	20.1
NCC06-579	20.3	.	.	18.1	18.9	17.9	20.1	.	19.5	18.4	19.0
NCC06-593	21.0	.	.	19.1	20.9	18.9	21.1	.	20.0	18.5	19.9
R03-1187	20.6	.	.	18.8	19.8	18.2	20.7	.	20.5	19.6	19.7
R05-3079	20.4	.	.	17.8	18.2	17.5	20.2	.	18.5	17.5	18.6
R05-4519	20.9	.	.	19.0	20.1	18.6	21.0	.	20.6	19.8	20.0
R06-2712	20.5	.	.	18.9	20.7	19.3	20.9	.	19.3	19.4	19.9
R06-4222	21.9	.	.	19.4	20.4	18.6	20.8	.	19.8	19.6	20.1
R06-4433	20.9	.	.	20.1	19.3	18.8	20.4	.	19.8	20.8	20.0
S06-12439	20.7	.	.	20.8	19.3	18.3	20.4	.	19.0	18.8	19.6
S06-4649	20.5	.	.	17.3	18.6	17.4	20.1	.	18.9	18.3	18.7
S07-10199	20.2	.	.	18.3	19.5	17.6	20.6	.	18.2	19.2	19.1
S07-2680	20.4	.	.	20.1	20.0	19.6	20.7	.	19.6	19.5	20.0
S07-6602	20.4	.	.	20.5	20.0	18.2	20.3	.	19.3	19.2	19.7
TN05-5018	20.6	.	.	19.2	19.5	18.3	20.5	.	20.6	19.0	19.7
TN06-181	20.2	.	.	18.9	19.4	18.7	19.7	.	19.9	19.8	19.5
TN06-189	20.7	.	.	17.4	19.1	18.3	20.2	.	19.5	18.7	19.1
TN06-196	20.5	.	.	19.6	19.5	18.7	19.6	.	19.2	18.6	19.4
TN06-201	21.0	.	.	19.2	18.9	18.1	20.6	.	19.1	19.8	19.5
V05-1410	20.5	.	.	18.5	18.9	18.0	20.0	.	20.5	18.4	19.3
V05-2326	21.0	.	.	19.6	19.8	18.3	21.4	.	20.8	19.4	20.0
V05-2592	21.5	.	.	19.0	20.4	19.9	21.6	.	20.6	19.3	20.3
V05-2827	20.8	.	.	21.0	19.4	19.6	21.0	.	18.8	19.5	20.0
V05-3052	22.1	.	.	20.0	21.0	19.9	21.5	.	20.9	19.9	20.8
Mean	20.9	.	.	19.4	19.7	18.5	20.8	.	19.7	19.2	.

TABLE 49 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	38.6	.	.	40.9	39.2	41.6	39.8	.	41.1	39.2	40.1
5601T	40.5	.	.	42.2	41.2	42.9	41.0	.	41.7	40.2	41.4
AG 5605	38.4	.	.	41.0	39.6	41.3	38.6	.	40.1	39.0	39.7
JTN-5503	39.6	.	.	40.3	39.9	40.7	38.3	.	40.4	38.8	39.7
OSAGE	41.6	.	.	42.9	41.9	43.6	40.7	.	41.6	41.3	41.9
DB06-1055	40.9	.	.	41.0	39.9	41.2	39.3	.	40.1	39.3	40.2
DB06-1225	41.1	.	.	41.7	40.1	41.4	39.1	.	40.9	40.3	40.6
DB06-2257	39.2	.	.	40.8	39.2	41.5	37.3	.	41.2	39.2	39.8
DB06-2662	41.4	.	.	41.1	40.9	43.4	41.0	.	42.1	41.2	41.6
DB06-3442	39.5	.	.	39.9	38.9	40.6	39.2	.	38.0	39.2	39.3
JTN-5109	38.8	.	.	40.3	39.3	42.5	36.8	.	39.9	40.9	39.8
JTN-5209	39.1	.	.	43.4	41.7	44.6	38.7	.	41.5	41.4	41.5
K07-2974	39.0	.	.	41.8	41.0	42.2	38.7	.	41.2	40.1	40.6
K07-3561	38.4	.	.	40.3	38.7	40.5	40.8	.	41.2	39.1	39.8
K07-4018	38.2	.	.	39.5	38.7	40.0	37.2	.	40.0	39.1	38.9
K07-4026	39.1	.	.	40.4	39.5	40.8	38.9	.	40.3	39.2	39.7
K07-4063	39.8	.	.	41.0	39.6	41.6	38.4	.	39.6	40.2	40.0
Md 06-5007	37.8	.	.	39.8	37.4	38.1	37.2	.	39.0	38.4	38.2
Md 06-5126	41.6	.	.	41.4	40.3	42.6	38.1	.	41.8	41.2	41.0
Md 06-5771	39.9	.	.	41.7	39.9	41.7	39.6	.	40.2	38.8	40.3
Md 06-98 RR	38.1	.	.	39.6	39.7	39.8	37.2	.	41.2	39.3	39.3
NCC06-2188	40.5	.	.	41.3	41.3	42.6	39.8	.	41.6	40.5	41.1
NCC06-2213	39.0	.	.	40.2	40.5	42.0	40.6	.	41.0	40.3	40.5
NCC06-579	39.1	.	.	40.5	40.6	42.4	40.9	.	40.1	40.2	40.5
NCC06-593	39.1	.	.	41.1	40.9	42.6	40.9	.	41.3	39.8	40.8
R03-1187	38.7	.	.	40.1	39.5	41.4	37.8	.	40.2	38.5	39.5
R05-3079	40.7	.	.	40.6	40.5	42.0	38.2	.	40.3	40.0	40.3
R05-4519	38.7	.	.	39.8	39.1	41.3	40.4	.	40.3	38.7	39.7
R06-2712	39.3	.	.	40.2	40.2	41.9	37.9	.	41.1	38.9	39.9
R06-4222	37.2	.	.	40.1	39.3	41.6	38.1	.	39.9	40.3	39.5
R06-4433	40.6	.	.	41.3	40.6	41.9	38.6	.	40.2	41.0	40.6
S06-12439	40.8	.	.	42.3	39.9	42.2	38.7	.	40.8	40.0	40.7
S06-4649	39.8	.	.	39.3	39.8	40.7	38.4	.	39.5	38.6	39.4
S07-10199	40.2	.	.	42.4	40.1	42.5	39.8	.	42.8	40.4	41.2
S07-2680	41.1	.	.	40.3	39.0	40.9	38.4	.	39.7	39.7	39.9
S07-6602	40.7	.	.	42.3	41.0	42.8	40.6	.	42.2	41.5	41.6
TN05-5018	40.1	.	.	41.3	39.4	41.4	38.5	.	41.1	39.5	40.2
TN06-181	40.3	.	.	42.1	41.0	42.1	40.4	.	41.3	41.4	41.2
TN06-189	39.2	.	.	40.8	41.0	42.2	40.6	.	41.7	40.7	40.9
TN06-196	39.3	.	.	42.1	40.8	41.7	40.3	.	41.7	40.5	40.9
TN06-201	38.8	.	.	40.7	40.1	42.2	40.6	.	42.6	40.6	40.8
V05-1410	41.2	.	.	44.2	42.6	45.2	40.6	.	42.9	43.0	42.8
V05-2326	39.5	.	.	39.7	39.6	42.3	38.2	.	40.9	39.5	39.9
V05-2592	38.0	.	.	40.6	40.7	41.2	39.4	.	41.1	39.6	40.1
V05-2827	38.7	.	.	42.0	40.3	41.6	40.7	.	41.9	39.4	40.7
V05-3052	38.8	.	.	38.8	39.4	40.7	39.2	.	38.7	38.7	39.2
Mean	39.6	.	.	41.0	40.1	41.8	39.2	.	40.8	39.9	.

TABLE 50 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	14.1	.	18.5	13.6	16.8	15.9	.	17.5	15.0	13.9	15.6
5601T	13.4	.	17.9	12.3	15.2	13.5	.	13.6	13.2	13.7	14.1
AG 5605	10.9	.	13.1	11.2	12.8	11.5	.	12.3	11.9	10.8	11.8
JTN-5503	14.9	.	17.2	11.6	15.2	15.2	.	15.1	14.4	14.3	14.7
OSAGE	13.4	.	14.6	11.7	13.2	12.0	.	10.0	12.1	12.1	12.4
DB06-1055	16.6	.	19.0	13.7	16.3	15.0	.	15.9	15.2	14.3	15.7
DB06-1225	16.9	.	18.4	17.3	17.1	16.3	.	12.1	16.6	14.6	16.2
DB06-2257	14.2	.	18.2	14.1	15.5	14.6	.	14.4	14.4	14.0	14.9
DB06-2662	15.0	.	18.5	14.7	15.5	15.5	.	12.9	14.5	14.1	15.1
DB06-3442	16.5	.	19.5	17.0	15.9	15.5	.	16.8	15.5	14.4	16.4
JTN-5109	8.6	.	10.1	14.1	9.5	9.5	.	13.6	9.1	8.8	10.4
JTN-5209	14.1	.	12.1	11.0	10.9	10.1	.	12.8	10.5	9.7	11.4
K07-2974	18.9	.	22.1	17.8	18.1	17.3	.	17.0	17.6	17.5	18.3
K07-3561	14.2	.	18.8	13.9	15.5	15.0	.	15.1	15.0	14.1	15.2
K07-4018	12.9	.	15.3	12.0	14.2	12.5	.	14.4	12.4	11.9	13.2
K07-4026	14.7	.	18.1	15.2	15.3	13.6	.	12.4	13.4	12.6	14.4
K07-4063	13.7	.	16.0	13.5	13.8	13.7	.	14.1	12.6	12.9	13.8
Md 06-5007	14.7	.	17.8	14.9	15.7	12.6	.	15.3	14.6	13.7	14.9
Md 06-5126	15.9	.	19.5	19.3	17.8	16.2	.	14.4	18.5	16.6	17.3
Md 06-5771	14.3	.	18.3	15.7	16.3	15.3	.	15.3	14.6	13.8	15.4
Md 06-98 RR	13.1	.	15.8	14.3	15.7	12.2	.	11.8	14.2	12.9	13.7
NCC06-2188	14.2	.	17.8	13.7	15.7	13.7	.	13.7	13.7	13.1	14.4
NCC06-2213	14.6	.	18.7	14.4	14.4	14.6	.	12.6	14.7	13.7	14.7
NCC06-579	13.0	.	17.4	13.7	14.5	13.4	.	15.1	13.5	12.9	14.2
NCC06-593	14.4	.	16.9	16.7	15.3	16.2	.	13.8	14.4	14.2	15.2
R03-1187	14.5	.	17.4	14.3	16.2	14.7	.	14.6	13.6	13.6	14.9
R05-3079	13.2	.	14.4	11.4	13.4	13.5	.	11.6	12.0	10.9	12.5
R05-4519	12.8	.	16.2	12.6	14.2	14.2	.	11.5	12.7	12.0	13.3
R06-2712	15.8	.	17.4	14.3	14.1	15.4	.	14.6	15.5	15.3	15.3
R06-4222	14.7	.	15.9	13.2	12.3	14.6	.	13.2	13.5	13.5	13.8
R06-4433	16.2	.	17.3	15.6	15.5	16.1	.	12.3	14.5	14.3	15.2
S06-12439	13.7	.	16.3	14.5	14.7	14.2	.	13.5	13.3	12.9	14.1
S06-4649	12.8	.	14.4	12.6	13.3	13.4	.	12.3	11.8	11.8	12.8
S07-10199	15.8	.	17.5	15.0	16.1	16.4	.	15.4	15.4	14.4	15.7
S07-2680	16.4	.	17.3	15.7	16.4	16.4	.	15.0	15.0	14.2	15.8
S07-6602	13.2	.	17.6	13.2	14.9	14.9	.	15.4	12.7	14.1	14.5
TN05-5018	12.8	.	16.1	11.7	14.0	12.8	.	18.9	12.0	11.6	13.7
TN06-181	12.4	.	15.0	13.3	12.9	13.7	.	15.1	12.1	12.9	13.4
TN06-189	11.9	.	15.2	13.7	13.6	14.0	.	13.9	11.9	12.6	13.3
TN06-196	11.2	.	15.2	13.3	13.4	13.8	.	14.1	12.3	12.3	13.2
TN06-201	12.6	.	17.0	12.8	15.1	13.0	.	13.8	13.4	13.3	13.9
V05-1410	13.8	.	16.2	11.2	14.3	14.6	.	13.5	12.8	13.4	13.7
V05-2326	14.1	.	15.7	12.3	14.2	14.1	.	13.6	13.3	13.3	13.8
V05-2592	16.6	.	16.5	16.3	18.0	17.2	.	13.4	15.7	14.8	16.1
V05-2827	17.3	.	19.5	18.0	20.0	19.2	.	14.1	16.3	15.5	17.5
V05-3052	12.8	.	17.8	11.9	14.6	13.6	.	11.1	12.2	12.3	13.3
Mean	14.2	.	16.8	14.0	14.9	14.3	.	14.0	13.8	13.3	.

TABLE 51 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	Pine Tree, AR	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Warsaw, VA	Test Mean
5002T	10/14	10/2	10/12	10/23	9/28	9/18	10/2	10/6
5601T	4	9	8	3	3	11	8	6
AG 5605	5	9	12	3	5	7	9	7
JTN-5503	10	7	10	2	3	9	7	7
OSAGE	4	7	12	3	4	4	8	6
DB06-1055	2	5	6	-1	0	9	4	3
DB06-1225	1	2	3	-2	-1	4	1	1
DB06-2257	3	4	6	-1	3	8	7	4
DB06-2662	0	4	3	-1	0	7	4	2
DB06-3442	0	-3	-1	-3	-4	4	2	-1
JTN-5109	12	9	6	2	3	12	19	9
JTN-5209	8	9	5	3	2	10	10	7
K07-2974	7	6	2	-1	4	10	7	5
K07-3561	0	-1	1	-5	-4	-10	0	-3
K07-4018	2	5	4	-2	0	6	3	2
K07-4026	2	2	3	0	-1	8	2	2
K07-4063	4	7	5	2	2	8	6	5
Md 06-5007	4	3	2	-3	0	6	2	2
Md 06-5126	0	-3	1	-1	-3	3	5	0
Md 06-5771	1	-3	2	-1	-3	-3	3	-1
Md 06-98 RR	7	0	13	-3	-2	-4	3	2
NCC06-2188	4	10	11	-1	1	0	6	4
NCC06-2213	3	11	9	0	4	2	4	5
NCC06-579	12	15	15	6	12	10	12	11
NCC06-593	7	14	14	1	9	9	9	9
R03-1187	2	6	4	-1	3	7	5	3
R05-3079	3	5	5	2	3	8	1	4
R05-4519	4	0	2	-1	0	2	2	1
R06-2712	10	14	14	1	7	10	18	10
R06-4222	10	13	11	4	10	9	11	10
R06-4433	12	13	14	3	7	3	10	9
S06-12439	2	2	1	-1	-1	-7	2	-1
S06-4649	2	5	3	-1	-2	6	2	2
S07-10199	3	4	4	-1	0	5	6	3
S07-2680	11	5	6	3	1	4	7	5
S07-6602	2	10	6	-1	0	4	4	3
TN05-5018	2	7	7	2	2	4	3	4
TN06-181	3	5	3	-1	0	4	7	3
TN06-189	1	2	2	-1	-4	4	4	1
TN06-196	1	5	2	-3	1	4	7	2
TN06-201	1	4	5	-3	1	3	3	2
V05-1410	10	11	13	3	5	8	20	10
V05-2326	12	11	7	-1	4	5	8	6
V05-2592	6	2	4	1	0	5	3	3
V05-2827	1	-2	5	-1	-3	4	2	1
V05-3052	6	9	12	3	5	10	8	8
Mean	4	5	6	0	2	5	6	.

TABLE 52 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	24	35	19	37	22	28	21	18	33	25	26
5601T	34	42	27	41	26	35	30	19	40	35	33
AG 5605	30	40	27	44	27	32	26	22	40	33	32
JTN-5503	32	41	28	42	25	35	29	20	35	31	32
OSAGE	25	34	22	38	27	25	27	20	34	30	28
DB06-1055	.	32	24	37	26	25	23	18	41	31	28
DB06-1225	24	32	19	35	23	23	23	21	30	26	25
DB06-2257	26	33	26	38	28	28	27	25	37	28	30
DB06-2662	26	38	20	39	24	28	31	26	41	33	30
DB06-3442	32	46	24	42	24	28	24	26	36	33	31
JTN-5109	32	35	33	39	29	28	35	18	35	30	31
JTN-5209	25	34	28	38	28	33	28	11	35	31	29
K07-2974	23	38	24	35	25	29	28	18	34	31	29
K07-3561	26	33	20	36	24	29	23	16	36	28	27
K07-4018	28	40	28	47	27	33	28	19	41	34	33
K07-4026	31	39	21	42	26	32	25	18	36	32	30
K07-4063	32	42	25	41	24	34	26	18	37	34	31
Md 06-5007	28	36	23	39	25	24	24	19	33	30	28
Md 06-5126	37	45	50	49	34	40	44	44	47	50	44
Md 06-5771	30	44	29	39	23	30	27	21	37	31	31
Md 06-98 RR	26	37	17	40	28	27	24	16	45	27	29
NCC06-2188	33	39	28	46	27	34	33	19	43	36	34
NCC06-2213	32	39	30	43	28	31	30	20	45	35	33
NCC06-579	42	37	30	48	28	36	28	26	43	38	35
NCC06-593	34	41	27	49	27	34	30	21	42	31	33
R03-1187	31	38	22	45	25	33	26	21	43	30	31
R05-3079	30	36	23	42	26	32	25	21	34	27	29
R05-4519	27	40	30	43	24	29	31	26	35	30	32
R06-2712	34	40	35	45	30	28	35	26	39	34	34
R06-4222	36	46	32	47	25	35	35	28	37	34	35
R06-4433	34	37	28	39	28	32	30	26	38	34	32
S06-12439	22	34	22	35	22	30	25	17	35	25	27
S06-4649	37	45	34	46	26	37	38	30	43	40	37
S07-10199	29	37	25	43	28	38	28	24	38	33	32
S07-2680	28	48	28	47	29	33	29	26	41	36	34
S07-6602	32	40	31	43	32	36	33	24	42	34	35
TN05-5018	28	38	21	42	24	29	25	18	38	27	29
TN06-181	31	41	24	44	28	35	29	20	40	38	33
TN06-189	36	39	29	45	28	38	30	21	43	34	34
TN06-196	29	42	25	46	28	34	29	20	41	36	33
TN06-201	24	37	24	38	25	33	22	17	41	25	28
V05-1410	33	39	29	39	22	33	30	23	40	37	32
V05-2326	29	40	30	41	27	32	29	20	41	31	32
V05-2592	29	37	23	37	37	33	27	20	40	31	31
V05-2827	32	39	24	41	29	30	30	21	40	33	32
V05-3052	30	39	24	40	23	34	28	24	37	34	31
Mean	30	39	26	41	26	32	28	22	39	33	.

TABLE 53 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	2.0	4.0	0.5	4.0	2.5	2.0	1.0	2.0	4.5	1.5	2.4
5601T	2.5	4.0	0.5	4.0	2.0	2.0	1.0	2.0	4.5	2.2	2.5
AG 5605	1.5	3.0	0.7	3.5	2.0	2.5	1.0	2.0	2.8	2.0	2.1
JTN-5503	3.5	4.5	0.7	4.5	2.0	3.0	1.0	2.0	4.0	2.5	2.8
OSAGE	2.0	3.0	0.5	3.5	2.0	1.0	1.0	2.0	2.3	2.2	1.9
DB06-1055	.	4.0	0.7	4.5	2.0	2.0	1.0	2.0	4.5	2.8	2.6
DB06-1225	3.0	4.0	0.5	4.0	2.0	1.0	1.0	2.0	4.3	1.3	2.3
DB06-2257	2.0	3.0	1.0	4.0	2.0	2.0	1.0	2.0	4.5	2.2	2.4
DB06-2662	1.5	3.5	1.0	3.5	2.0	1.5	1.0	2.0	5.0	2.0	2.3
DB06-3442	3.5	4.0	0.7	4.0	2.0	2.5	1.0	2.0	3.5	2.6	2.6
JTN-5109	4.0	4.5	3.3	5.0	2.0	4.0	1.0	2.0	5.0	4.7	3.5
JTN-5209	2.0	4.0	1.3	4.0	2.0	2.5	1.0	2.0	5.0	2.5	2.6
K07-2974	3.5	3.0	0.5	4.0	2.0	2.0	1.0	2.0	3.5	1.9	2.3
K07-3561	1.5	3.0	0.5	4.0	2.0	2.0	1.0	2.0	3.3	1.4	2.1
K07-4018	3.0	3.0	0.5	3.5	2.0	2.0	1.0	2.0	4.8	1.5	2.3
K07-4026	1.5	3.0	0.5	3.0	2.0	1.0	1.0	2.0	3.5	1.4	1.9
K07-4063	3.0	3.0	0.5	4.0	2.0	2.5	1.0	2.0	4.0	1.9	2.4
Md 06-5007	3.0	4.0	0.5	3.5	2.0	2.0	1.0	2.0	4.3	1.8	2.4
Md 06-5126	3.0	3.0	3.0	3.0	2.5	2.5	1.5	4.0	3.3	3.8	3.0
Md 06-5771	3.0	4.0	0.7	4.0	2.0	2.5	1.0	2.0	4.3	2.5	2.6
Md 06-98 RR	1.5	3.0	0.5	4.0	2.0	1.0	1.0	2.0	4.8	1.5	2.1
NCC06-2188	2.5	3.5	0.7	4.0	2.5	2.5	1.0	2.0	4.8	2.1	2.6
NCC06-2213	2.0	4.0	0.5	4.0	2.0	3.0	1.0	2.0	4.0	2.3	2.5
NCC06-579	3.0	3.5	1.0	3.5	2.5	2.0	1.0	2.0	4.8	2.1	2.5
NCC06-593	1.0	3.5	0.7	4.0	2.5	2.0	1.0	2.0	4.0	1.8	2.3
R03-1187	2.5	4.0	0.7	4.5	2.0	2.0	1.0	2.0	4.5	1.7	2.5
R05-3079	3.0	4.0	0.5	4.5	2.0	2.0	1.0	2.0	4.5	1.8	2.5
R05-4519	2.0	4.0	1.0	4.0	2.0	2.5	1.0	2.0	4.5	1.8	2.5
R06-2712	2.0	3.0	1.5	4.0	2.0	3.0	1.5	2.0	4.8	3.8	2.8
R06-4222	3.0	3.5	1.5	4.0	2.0	2.0	1.0	2.0	3.8	2.7	2.5
R06-4433	3.5	4.0	0.7	4.0	3.5	2.5	1.0	2.0	2.5	2.4	2.6
S06-12439	3.5	4.0	0.5	4.0	2.0	3.0	1.0	2.0	4.8	1.9	2.6
S06-4649	4.0	4.0	1.3	4.0	2.0	3.0	3.0	3.0	3.8	3.0	3.1
S07-10199	3.0	3.0	0.5	4.0	2.5	3.0	1.0	2.0	4.8	2.6	2.6
S07-2680	3.0	4.0	0.7	4.0	2.0	2.5	1.0	2.0	3.5	2.3	2.5
S07-6602	3.0	4.0	1.0	4.0	2.0	2.0	1.0	2.0	4.5	2.0	2.5
TN05-5018	4.0	3.0	0.5	4.0	2.0	1.5	1.0	2.0	3.3	1.4	2.2
TN06-181	3.0	3.5	0.5	4.0	2.5	2.0	1.0	2.0	3.3	2.5	2.4
TN06-189	2.5	4.0	1.0	4.0	2.0	2.0	1.0	2.0	3.5	2.1	2.4
TN06-196	2.0	3.5	0.5	4.0	2.0	2.5	1.0	2.0	4.5	2.0	2.4
TN06-201	1.0	2.0	0.5	3.0	2.0	1.5	1.0	2.0	3.3	1.7	1.8
V05-1410	1.0	3.0	0.7	3.0	2.0	2.5	1.0	2.0	2.3	2.1	2.0
V05-2326	2.5	3.5	0.5	3.0	2.5	2.0	1.0	2.0	3.8	1.7	2.2
V05-2592	3.0	4.0	0.5	4.0	2.0	1.5	1.0	2.0	4.3	1.8	2.4
V05-2827	1.5	3.0	0.5	4.0	2.0	2.0	1.0	2.0	4.3	1.7	2.2
V05-3052	3.0	2.5	0.5	3.5	2.0	2.0	1.0	2.0	2.7	3.0	2.2
Mean	2.6	3.5	0.8	3.9	2.1	2.2	1.1	2.1	4.0	2.2	.

TABLE 54 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V FOR YEAR 2009

STRAIN/ VARIETY	Kinston, NC(A)	McCune, KS	Pine Tree, AR	Pittsburg, KS	Portageville, MO(B)	Queenstown, MD	Rohwer, AR	Stoneville, MS	Ullin, IL	Warsaw, VA	Test Mean
5002T	.	.	2.0	2.0	3.0	.	.	3.0	1.0	1.3	2.1
5601T	.	.	2.3	2.0	3.0	.	.	2.0	1.0	1.2	1.9
AG 5605	.	.	1.3	2.0	3.0	.	.	2.0	1.0	1.5	1.8
JTN-5503	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.2	1.9
OSAGE	.	.	1.5	2.0	3.0	.	.	2.0	1.0	1.2	1.8
DB06-1055	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.2	1.9
DB06-1225	.	.	1.5	2.0	4.0	.	.	2.0	1.0	1.3	1.9
DB06-2257	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.5	2.0
DB06-2662	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.2	1.9
DB06-3442	.	.	2.3	2.0	3.0	.	.	3.0	1.0	1.1	2.1
JTN-5109	.	.	2.5	2.0	3.0	.	.	3.0	1.0	2.7	2.4
JTN-5209	.	.	2.0	2.0	4.0	.	.	3.0	1.0	1.8	2.3
K07-2974	.	.	2.3	2.0	3.0	.	.	3.0	1.0	1.6	2.2
K07-3561	.	.	3.7	2.0	3.0	.	.	3.0	1.0	1.5	2.4
K07-4018	.	.	1.8	2.0	3.0	.	.	3.0	1.5	1.3	2.1
K07-4026	.	.	2.3	2.0	3.0	.	.	3.0	1.0	1.5	2.1
K07-4063	.	.	1.0	2.0	2.0	.	.	3.0	1.0	1.3	1.8
Md 06-5007	.	.	2.3	2.0	3.0	.	.	2.0	1.0	1.3	1.9
Md 06-5126	.	.	2.8	2.0	4.0	.	.	3.0	1.5	1.9	2.5
Md 06-5771	.	.	2.8	2.0	3.0	.	.	3.0	1.0	1.2	2.2
Md 06-98 RR	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.2	1.9
NCC06-2188	.	.	1.8	2.0	3.0	.	.	3.0	1.0	1.3	2.0
NCC06-2213	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.3	2.0
NCC06-579	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.5	1.9
NCC06-593	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.2	1.9
R03-1187	.	.	1.3	2.0	2.0	.	.	3.0	1.0	1.3	1.8
R05-3079	.	.	1.8	2.0	3.0	.	.	3.0	1.0	1.2	2.0
R05-4519	.	.	3.2	2.0	3.0	.	.	3.0	1.0	1.9	2.4
R06-2712	.	.	2.0	2.0	3.0	.	.	3.0	1.0	2.4	2.2
R06-4222	.	.	1.3	2.0	4.0	.	.	3.0	1.0	1.5	2.1
R06-4433	.	.	1.3	2.0	3.0	.	.	3.0	1.0	1.3	1.9
S06-12439	.	.	1.8	2.0	3.0	.	.	3.0	1.0	1.5	2.0
S06-4649	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.5	1.9
S07-10199	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.3	2.0
S07-2680	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.3	1.9
S07-6602	.	.	1.5	2.0	3.0	.	.	3.0	1.0	1.6	2.0
TN05-5018	.	.	1.8	2.0	3.0	.	.	3.0	1.0	1.2	2.0
TN06-181	.	.	1.8	2.0	3.0	.	.	3.0	1.0	1.2	2.0
TN06-189	.	.	1.2	2.0	3.0	.	.	3.0	1.0	1.1	1.9
TN06-196	.	.	2.0	2.0	3.0	.	.	3.0	1.0	1.2	2.0
TN06-201	.	.	2.0	2.0	3.0	.	.	3.0	1.0	1.2	2.0
V05-1410	.	.	1.0	2.0	3.0	.	.	3.0	1.0	2.4	2.1
V05-2326	.	.	1.0	2.0	3.0	.	.	3.0	1.0	1.1	1.8
V05-2592	.	.	2.0	2.0	3.0	.	.	3.0	1.0	1.5	2.1
V05-2827	.	.	2.5	2.0	3.0	.	.	3.0	1.5	1.3	2.2
V05-3052	.	.	2.0	2.0	3.0	.	.	3.0	1.0	1.5	2.1
Mean	.	.	1.8	2.0	3.0	.	.	2.9	1.0	1.4	.

TABLE 55 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	BOGGS RR	(G81-152 x Coker 6738) x RR		
3	NC-ROY	Holladay X Brim		
4	G05-1102 RR	G98-1420 X H7242 RR	F5d	
5	N02-7738	Cook x Bicentennial (00)	F4	50% Bicentennial, which is Group 00
6	N03-7183	Cook x Archer (I)	F4	50% Archer, which is Group I
7	N04-9646	BOGGS X NTCPR94-5157	F4	Slow Wilt
8	NCC04-5336R	NC 97-61 x NC Roy RR, BC1F1	F4:9	
9	NCC04-619	N97-61 x TN96-64	F4:9	
10	NCC05-1543	N97-61xN95-614	F4:8	
11	R02-3065	HBK 5990 x Anand		
12	R03-1250	PIO 9592 x KS4895		
13	R04-342	R97-1650 X 98601		
14	R04-522	Lonoke x P9594		
15	SC03-9090RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5	
16	SC03-9151RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5	
17	SC04-41	DILLON(3)/N94-199	F5	LOW LIN
18	VS05-966	PI 379621 x V81-1603	F6	50% exotic
19	VS07-1023	V81-1603 x PI 506852	F6	
20	VS22-537	Forrest x Essex	F6	50% exotic

TABLE 56 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

STRAIN/	AVERAGE		YIELD ‡			PROTEIN ‡			OIL ‡		
VARIETY	RANK	RANK	2009	08-09	07-09	2009	08-09	07-09	2009	08-09	07-09
DILLON	13	13	44.5	44.9	44.8	40.8	41.4	41.9	20.5	20.3	20.3
BOGGS RR	19	16	39.0	39.7	41.4	40.8	41.7	41.9	19.2	19.0	19.8
NC-ROY	6	8	49.2	46.8	47.0	40.9	41.5	41.7	19.9	19.7	19.6
G05-1102 RR	4	6	50.1	.	.	41.1	.	.	20.3	.	.
N02-7738	15	14	43.1	42.0	.	40.6	41.3	.	20.3	20.1	.
N03-7183	17	13	41.4	40.2	.	40.9	41.3	.	20.2	20.2	.
N04-9646	8	9	47.7	.	.	40.6	.	.	19.5	.	.
NCC04-5336R	9	10	47.3	.	.	41.2	.	.	19.6	.	.
NCC04-619	5	7	50.0	47.1	.	39.4	39.9	.	20.8	20.6	.
NCC05-1543	11	10	46.7	.	.	40.7	.	.	20.5	.	.
R02-3065	2	7	50.8	49.7	.	41.6	41.8	.	19.7	19.8	.
R03-1250	3	7	50.5	.	.	40.1	.	.	20.9	.	.
R04-342	1	6	51.5	50.1	.	40.4	40.7	.	20.7	20.8	.
R04-522	7	9	48.2	.	.	39.5	.	.	20.6	.	.
SC03-9090RR	10	10	46.9	45.8	45.9	41.7	42.3	42.7	19.9	19.8	20.0
SC03-9151RR	12	11	45.7	45.6	46.3	40.8	41.6	41.9	20.6	20.5	20.8
SC04-41	14	13	44.1	43.2	.	40.9	41.8	.	20.4	20.2	.
VS05-966	20	16	38.5	.	.	41.8	.	.	19.2	.	.
VS07-1023	16	11	42.7	.	.	41.7	.	.	19.2	.	.
VS22-537	18	16	40.5	41.1	.	40.6	41.0	.	19.9	19.9	.
Mean	.	.	45.9	.	.	40.8	.	.	20.1	.	.
LSD(0.05)	.	.	4.7	.	.	0.8	.	.	0.6	.	.
CV(%)	.	.	16.3	.	.	2.2	.	.	3.3	.	.

Data not included in mean: 2009 – Bossier City, LA (Only yield was omitted)
2007 – Alexandria, LA; Belle Mina, AL; Clemson, SC; Warsaw, VA

TABLE 57 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
DILLON	0	1.8	34	1.8	16.0			
BOGGS RR	4	2.5	36	1.9	12.3			
NC-ROY	3	2.5	36	1.7	13.9			
G05-1102 RR	7	1.3	36	1.8	14.9	P	T	T
N02-7738	5	1.8	32	2.2	17.4	P	T	
N03-7183	-2	1.2	22	2.2	17.0	P	T	
N04-9646	7	2.3	34	1.8	14.2	W	T	
NCC04-5336R	2	1.4	30	1.5	14.1	W	G	
NCC04-619	5	1.3	28	1.8	13.6	P	G	
NCC05-1543	3	1.7	27	1.9	13.5	W	T	T
R02-3065	-4	1.6	31	1.8	18.2	P	T	TAN
R03-1250	-3	1.4	31	2.0	16.8	W	G	TAN
R04-342	-3	1.5	29	2.1	17.8	P	G	TAN
R04-522	-4	1.9	31	2.2	14.0	W	G	TAN
SC03-9090RR	2	1.8	36	1.9	15.4	P	G	Tan
SC03-9151RR	4	1.7	35	2.0	16.3	P	G	Tan
SC04-41	0	1.8	35	1.8	15.9	P	G	Tan
VS05-966	4	2.7	36	2.0	15.8	W	G	
VS07-1023	3	2.3	34	1.9	13.7	W	G	
VS22-537	-5	1.9	31	2.6	14.0	W	T	
Mean	1	1.8	32	1.9	15.2			
LSD(0.05)	3	0.4	2	0.4	0.8			
CV(%)	290	32.0	11	24.0	6.9			

TABLE 58 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 1.3.5.6.7 Race 14	PRK GA	SRK GA	SMV G1 REACTION	SC RATING	SC SCORE	SDS DX
DILLON	5	5	4	5.0	2.3	R	MS	4	.
BOGGS RR	5	1	3	3.0	1.0	Sev	R	1	.
NC-ROY	4	5	4	5.0	5.0	R	MS	4	.
G05-1102 RR	5	1	5	3.0	1.8	R	R	1	.
N02-7738	5	5	5	5.0	4.3	R	R	1	.
N03-7183	5	5	5	5.0	5.0	R	R	1	.
N04-9646	5	5	5	5.0	5.0	R	R	1	.
NCC04-5336R	5	5	5	5.0	4.3	R	SS	3	.
NCC04-619	5	5	4	4.8	4.3	R	R	1	.
NCC05-1543	5	5	4	4.5	3.3	R	R	1	.
R02-3065	5	5	5	5.0	2.3	R	R	1	.
R03-1250	5	5	4	3.5	5.0	Sus	R	1	.
R04-342	5	5	5	3.0	1.8	Sev	MR	2	.
R04-522	5	3	3	3.5	5.0	Sev	R	1	.
SC03-9090RR	5	2	5	5.0	1.3	R	S	5	.
SC03-9151RR	5	2	4	5.0	2.5	Mild	S	5	.
SC04-41	5	5	4	5.0	3.0	R	SS	3	.
VS05-966	5	5	5	5.0	1.5	Mild	R	1	.
VS07-1023	4	1	4	2.8	2.3	Sus	R	1	.
VS22-537	5	1	4	4.0	1.3	Sus	S	5	.

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
DILLON	66.6	48.1	42.4	52.9
BOGGS RR	61.7	45.2	26.1	44.4
NC-ROY	63.6	69.1	43.8	58.8
G05-1102 RR	67.7	66.6	44.8	59.7
N02-7738	62.0	41.1	42.6	48.6
N03-7183	44.5	33.4	42.7	40.4
N04-9646	54.4	63.9	39.6	52.5
NCC04-5336R	62.5	59.8	35.3	52.4
NCC04-619	67.7	69.6	34.0	56.9
NCC05-1543	61.1	69.6	29.3	52.3
R02-3065	77.2	72.2	40.4	63.3
R03-1250	80.0	60.4	48.2	62.9
R04-342	78.6	63.0	44.6	62.0
R04-522	71.2	68.0	44.2	61.2
SC03-9090RR	70.9	42.6	48.4	54.2
SC03-9151RR	64.2	42.2	42.7	49.8
SC04-41	71.2	40.8	35.2	49.3
VS05-966	55.7	43.2	29.9	43.0
VS07-1023	70.6	53.8	20.6	48.3
VS22-537	53.2	35.8	27.6	39.0
Mean	65.2	54.4	38.1	52.6
LSD(0.05)	10.7	10.0	6.6	14.0
CV(%)	9.9	9.0	10.5	17.9

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(B)*	*Petersburg, VA*	*Plymouth, NC(A)*	*Area Mean*
DILLON	47.3	21.4	46.8	38.5
BOGGS RR	39.8	28.4	45.5	37.9
NC-ROY	49.7	30.2	50.4	43.4
G05-1102 RR	40.4	34.4	50.9	41.9
N02-7738	45.3	23.7	44.7	37.9
N03-7183	48.0	30.1	46.9	41.7
N04-9646	47.6	28.5	53.6	43.2
NCC04-5336R	51.6	24.7	49.3	41.9
NCC04-619	56.1	24.3	51.6	44.0
NCC05-1543	50.8	29.2	50.7	43.6
R02-3065	48.7	26.1	49.4	41.4
R03-1250	50.4	22.1	45.7	39.4
R04-342	56.4	32.7	51.0	46.7
R04-522	51.1	26.7	48.9	42.2
SC03-9090RR	43.9	33.9	44.8	40.9
SC03-9151RR	45.6	27.3	45.7	39.5
SC04-41	46.5	28.1	44.6	39.7
VS05-966	46.7	20.5	40.7	36.0
VS07-1023	38.7	36.2	50.2	41.7
VS22-537	45.3	26.9	39.2	37.1
Mean	47.5	27.8	47.5	40.9
LSD(0.05)	5.7	2.6	4.7	6.8
CV(%)	7.2	5.8	6.0	11.4

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Calhoun, GA	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	42.6	41.1	45.9	50.0	35.3	55.6	32.4	46.7	43.7
BOGGS RR	49.6	43.0	46.2	23.0	35.6	42.3	13.9	45.3	37.4
NC-ROY	49.3	46.9	55.9	52.0	48.0	63.5	22.3	44.0	47.7
G05-1102 RR	52.1	49.6	46.7	56.0	40.6	60.9	34.8	56.0	49.6
N02-7738	41.1	39.0	46.9	55.0	35.6	56.9	31.1	39.0	43.1
N03-7183	46.1	32.7	44.3	58.7	34.4	51.8	32.5	31.7	41.5
N04-9646	55.0	51.7	55.8	45.7	38.2	62.4	24.8	48.0	47.7
NCC04-5336R	50.3	45.7	49.2	53.7	39.6	58.6	29.9	52.7	47.5
NCC04-619	49.8	48.4	63.3	50.7	37.9	61.1	31.2	55.0	49.7
NCC05-1543	54.4	38.4	48.5	52.3	35.9	53.2	31.8	53.3	46.0
R02-3065	43.2	52.6	52.1	57.0	44.1	56.8	31.6	60.0	49.7
R03-1250	41.9	53.5	51.0	60.3	40.0	61.7	33.3	59.0	50.1
R04-342	35.5	52.3	44.1	68.3	37.9	64.7	37.8	54.3	49.4
R04-522	40.7	45.7	36.3	59.3	39.9	59.2	30.9	53.3	45.7
SC03-9090RR	52.8	45.1	47.4	50.0	35.9	60.0	33.0	46.7	46.4
SC03-9151RR	49.4	45.4	53.0	52.7	36.0	62.5	27.1	44.3	46.3
SC04-41	43.5	44.8	52.8	45.7	39.6	52.1	30.8	40.7	43.7
VS05-966	46.7	43.6	45.3	33.7	36.2	49.1	18.7	28.7	37.7
VS07-1023	46.4	46.6	48.7	25.7	40.5	47.4	17.8	55.0	41.0
VS22-537	40.8	39.0	35.5	54.7	26.9	51.6	26.5	62.7	42.2
Mean	46.6	45.3	48.4	50.2	37.9	56.6	28.6	48.8	45.3
LSD(0.05)	11.1	8.0	7.6	11.1	5.9	6.4	5.4	11.8	6.2
CV(%)	14.4	10.7	9.5	13.4	9.5	6.6	11.4	14.6	16.9

TABLE 59 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VI FOR YEAR 2009

West

STRAIN/ VARIETY	***Bossier City, LA ‡***	***Area Mean***
DILLON	32.7	.
BOGGS RR	31.5	.
NC-ROY	48.2	.
G05-1102 RR	31.5	.
N02-7738	36.7	.
N03-7183	22.3	.
N04-9646	45.8	.
NCC04-5336R	40.8	.
NCC04-619	37.3	.
NCC05-1543	18.3	.
R02-3065	43.2	.
R03-1250	34.8	.
R04-342	26.5	.
R04-522	32.2	.
SC03-9090RR	41.2	.
SC03-9151RR	27.5	.
SC04-41	24.2	.
VS05-966	43.0	.
VS07-1023	38.2	.
VS22-537	23.3	.
Mean	34.0	.
LSD(0.05)	10.5	.
CV(%)	18.6	.

‡Data not included in mean.

TABLE 60 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Kinston, NC(B)	Petersburg, VA	Plymouth, NC(A)	Rohwer, AR	Tallassee, AL(A)	Test Mean
DILLON	21.8	20.7	20.5	20.2	19.0	21.9	19.8	22.6	18.3	20.5
BOGGS RR	19.9	19.9	19.6	19.1	17.5	20.8	18.0	21.1	17.3	19.2
NC-ROY	20.7	20.2	21.1	20.3	18.9	20.2	19.4	19.8	18.2	19.9
G05-1102 RR	21.9	20.0	20.2	20.9	18.7	21.5	19.9	20.2	19.5	20.3
N02-7738	21.0	19.8	20.7	20.3	19.4	20.8	19.8	21.0	19.5	20.3
N03-7183	20.6	20.0	20.6	20.0	19.0	21.4	18.7	21.7	19.6	20.2
N04-9646	21.0	19.5	19.7	20.3	16.8	20.9	17.7	20.8	18.9	19.5
NCC04-5336R	20.6	19.4	20.6	20.6	18.2	19.8	18.6	19.7	18.9	19.6
NCC04-619	22.3	20.5	20.9	21.4	20.1	21.6	19.2	21.3	19.9	20.8
NCC05-1543	21.7	20.2	21.1	20.9	19.4	20.5	19.7	21.1	19.6	20.5
R02-3065	21.3	20.0	20.3	20.2	18.6	19.3	19.1	19.9	19.0	19.7
R03-1250	22.4	20.6	21.5	21.3	19.7	20.5	19.7	22.1	20.7	20.9
R04-342	21.5	20.4	20.4	20.6	19.5	22.1	20.7	21.5	19.9	20.7
R04-522	21.2	20.1	21.4	20.9	19.6	21.7	19.5	20.5	20.8	20.6
SC03-9090RR	20.8	20.3	19.6	19.8	18.4	20.5	19.4	21.0	19.2	19.9
SC03-9151RR	21.6	20.2	20.5	20.7	19.7	21.4	19.8	22.2	19.5	20.6
SC04-41	21.5	20.4	20.2	21.0	19.2	21.1	19.7	21.8	19.2	20.4
VS05-966	17.8	19.3	20.0	20.0	20.1	17.5	17.6	20.2	20.6	19.2
VS07-1023	20.3	19.4	20.0	19.0	17.8	19.5	17.6	20.7	18.8	19.2
VS22-537	21.2	19.7	20.0	20.5	18.5	20.4	17.7	20.3	21.2	19.9
Mean	21.0	20.0	20.4	20.4	18.9	20.7	19.1	21.0	19.4	.

TABLE 61 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Blackville, SC(A)	Clemson, SC	Fairhope, AL	Kinston, NC(B)	Petersburg, VA	Plymouth, NC(A)	Rohwer, AR	Tallassee, AL(A)	Test Mean
DILLON	40.3	41.5	39.3	42.7	43.0	38.0	41.2	37.0	44.3	40.8
BOGGS RR	39.1	41.5	38.6	43.0	44.0	37.9	42.0	35.4	46.1	40.8
NC-ROY	39.6	41.5	37.7	41.9	43.2	39.8	39.9	40.1	44.6	40.9
G05-1102 RR	40.2	41.4	38.6	41.6	43.4	38.9	41.7	41.0	43.4	41.1
N02-7738	39.6	41.3	39.4	42.2	42.5	38.1	39.3	39.4	43.1	40.6
N03-7183	39.4	40.3	39.7	41.7	43.3	39.0	42.0	39.8	43.2	40.9
N04-9646	39.0	40.7	38.3	40.9	43.1	39.8	41.0	39.6	42.8	40.6
NCC04-5336R	39.4	41.2	39.1	43.1	43.2	39.3	41.7	40.7	43.5	41.2
NCC04-619	37.8	40.4	37.6	40.8	41.2	36.0	39.6	38.6	42.2	39.4
NCC05-1543	40.4	40.7	38.6	41.1	42.2	38.7	41.2	40.9	42.9	40.7
R02-3065	41.2	40.3	40.0	42.5	44.1	40.5	41.9	40.2	43.3	41.6
R03-1250	38.3	39.8	37.8	41.4	42.3	41.0	40.0	38.5	41.7	40.1
R04-342	39.6	40.4	38.2	41.6	42.4	38.6	41.1	39.1	42.8	40.4
R04-522	39.2	40.2	36.1	40.8	41.7	37.6	40.1	38.2	41.9	39.5
SC03-9090RR	40.2	41.5	41.3	43.3	43.7	40.2	41.3	40.1	44.1	41.7
SC03-9151RR	39.3	40.8	39.1	42.6	42.4	39.5	41.5	37.7	44.2	40.8
SC04-41	39.3	41.3	39.5	42.3	43.2	39.5	40.5	38.7	43.6	40.9
VS05-966	42.1	42.8	38.5	43.2	42.4	41.5	41.6	38.9	45.2	41.8
VS07-1023	40.3	41.4	40.3	44.3	44.8	40.0	42.5	36.8	45.1	41.7
VS22-537	40.4	41.0	37.4	41.9	43.3	38.9	40.6	38.8	43.4	40.6
Mean	39.7	41.0	38.8	42.1	43.0	39.1	41.0	39.0	43.6	.

TABLE 62 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Bossier City, LA	Calhoun, GA	Clemson, SC	Fairhope, AL	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Tifton, GA	Test Mean
DILLON	16.4	.	17.6	15.7	17.3	16.4	18.0	17.3	15.4	16.1	14.0	.	14.3	13.3	16.3	16.0
BOGGS RR	13.4	.	12.5	12.8	12.1	12.3	11.8	14.1	13.7	12.1	12.0	.	11.7	9.1	12.9	12.3
NC-ROY	14.9	.	14.6	12.1	15.2	15.1	15.9	14.9	14.9	14.0	11.7	.	12.8	11.8	12.3	13.9
G05-1102 RR	15.7	.	15.5	15.2	15.7	12.4	15.5	15.7	16.3	14.7	14.9	.	15.0	12.1	15.0	14.9
N02-7738	18.3	.	17.6	18.1	20.6	18.3	18.7	17.5	17.0	18.0	14.0	.	16.9	15.3	15.4	17.4
N03-7183	16.4	.	15.0	17.1	20.8	16.2	19.4	19.1	14.8	17.7	13.2	.	17.3	15.2	18.5	17.0
N04-9646	14.9	.	15.8	13.7	14.9	15.4	15.3	15.1	15.6	14.4	12.8	.	10.3	12.8	14.3	14.2
NCC04-5336R	15.4	.	15.0	13.3	16.1	15.1	14.7	14.5	14.5	14.4	12.8	.	11.4	12.3	14.1	14.1
NCC04-619	14.8	.	14.7	13.0	14.8	14.5	14.5	14.3	13.9	13.1	12.0	.	14.0	11.3	12.4	13.6
NCC05-1543	15.4	.	14.7	13.0	13.9	13.6	14.3	14.3	13.2	13.6	13.1	.	11.2	12.2	13.4	13.5
R02-3065	18.1	.	18.7	16.3	21.8	18.1	20.0	19.4	18.9	17.5	16.9	.	14.2	15.5	21.1	18.2
R03-1250	15.8	.	17.3	16.0	19.0	16.2	19.6	17.6	18.2	17.2	13.8	.	14.1	15.4	17.8	16.8
R04-342	17.0	.	17.8	17.3	19.7	18.1	20.5	18.5	17.0	18.5	13.7	.	17.0	18.0	18.1	17.8
R04-522	15.2	.	14.2	12.4	15.8	13.4	15.4	14.9	14.6	13.9	11.1	.	14.6	12.4	13.6	14.0
SC03-9090RR	16.8	.	15.9	15.0	18.2	15.4	18.0	16.5	15.6	15.6	13.0	.	10.8	13.3	16.4	15.4
SC03-9151RR	17.4	.	17.4	14.6	17.6	17.5	19.3	18.5	17.1	15.8	14.3	.	14.1	13.4	15.1	16.3
SC04-41	15.9	.	16.2	15.9	17.0	17.4	17.4	16.8	15.5	16.1	14.1	.	14.6	13.8	16.3	15.9
VS05-966	16.6	.	18.0	16.0	15.3	16.1	17.7	16.5	15.6	16.4	13.2	.	14.2	14.1	15.3	15.8
VS07-1023	15.9	.	14.5	16.1	13.2	14.6	12.9	14.9	14.6	14.0	12.7	.	10.9	9.9	14.4	13.7
VS22-537	14.9	.	14.1	11.9	17.0	13.0	15.7	15.0	14.0	13.9	10.9	.	13.7	12.5	15.4	14.0
Mean	16.0	.	15.9	14.8	16.8	15.5	16.7	16.3	15.5	15.3	13.2	.	13.7	13.2	15.4	.

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

Delta

STRAIN/ VARIETY	Pine Tree, AR	Rohwer, AR	Stoneville, MS	Area Mean
DILLON	10/17	10/4	9/28	10/6
BOGGS RR	6	10	1	6
NC-ROY	2	11	3	5
G05-1102 RR	2	19	3	8
N02-7738	5	12	4	7
N03-7183	-6	6	3	1
N04-9646	6	13	2	7
NCC04-5336R	2	8	3	4
NCC04-619	3	19	3	8
NCC05-1543	1	12	3	5
R02-3065	-7	1	-2	-2
R03-1250	-3	-1	-1	-2
R04-342	-3	0	-3	-2
R04-522	-7	-1	-3	-4
SC03-9090RR	2	3	1	2
SC03-9151RR	6	8	3	6
SC04-41	0	5	-1	1
VS05-966	4	9	2	5
VS07-1023	6	10	-2	5
VS22-537	-7	-4	-2	-4
Mean	1	7	1	3

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(B)*	*Petersburg, VA*	*Plymouth, NC(A)*	*Area Mean*
DILLON	10/15	11/4	10/18	10/23
BOGGS RR	2	0	9	4
NC-ROY	7	0	6	4
G05-1102 RR	9	0	9	6
N02-7738	.	0	9	4
N03-7183	-4	0	-8	-4
N04-9646	11	0	9	7
NCC04-5336R	4	0	6	3
NCC04-619	7	0	9	5
NCC05-1543	7	0	7	5
R02-3065	-8	0	-7	-5
R03-1250	-5	0	-7	-4
R04-342	-8	0	-7	-5
R04-522	-6	0	-9	-5
SC03-9090RR	1	0	0	0
SC03-9151RR	8	0	8	5
SC04-41	1	0	1	1
VS05-966	7	0	6	4
VS07-1023	0	0	9	3
VS22-537	-12	0	-8	-7
Mean	1	0	2	1

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Calhoun, GA	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	10/8	10/20	10/24	10/16	10/29	10/11	10/15	.	10/18
BOGGS RR	12	3	2	0	8	2	-9	.	2
NC-ROY	12	-6	3	4	0	4	-2	.	2
G05-1102 RR	13	2	5	3	6	11	8	.	7
N02-7738	14	-2	7	0	-1	10	1	.	4
N03-7183	1	-6	-11	0	-4	2	-4	.	-3
N04-9646	15	3	6	3	1	8	8	.	6
NCC04-5336R	12	-2	-2	1	-2	0	1	.	1
NCC04-619	13	0	3	3	-2	6	1	.	4
NCC05-1543	11	-3	0	0	-1	2	-1	.	1
R02-3065	-7	-6	-7	0	-5	0	-5	.	-4
R03-1250	-6	-5	-10	0	0	1	-4	.	-3
R04-342	-11	-4	-5	2	-2	2	-1	.	-3
R04-522	-8	-6	-8	2	-6	2	-3	.	-4
SC03-9090RR	12	1	1	5	3	8	-1	.	4
SC03-9151RR	6	1	2	3	6	10	1	.	4
SC04-41	0	-1	-2	4	1	3	-1	.	0
VS05-966	13	-1	4	1	-4	5	1	.	3
VS07-1023	11	2	3	1	2	1	-5	.	2
VS22-537	-10	-4	-11	0	-6	-2	-5	.	-5
Mean	5	-2	-1	2	0	4	-1	.	1

TABLE 63 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
DILLON	10/21	10/21
BOGGS RR	5	5
NC-ROY	-3	-3
G05-1102 RR	5	5
N02-7738	4	4
N03-7183	1	1
N04-9646	9	9
NCC04-5336R	-3	-3
NCC04-619	-1	-1
NCC05-1543	4	4
R02-3065	1	1
R03-1250	-4	-4
R04-342	-5	-5
R04-522	-4	-4
SC03-9090RR	-3	-3
SC03-9151RR	-4	-4
SC04-41	-2	-2
VS05-966	9	9
VS07-1023	6	6
VS22-537	-2	-2
Mean	0	0

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
DILLON	30	29	30	30
BOGGS RR	34	33	35	34
NC-ROY	39	38	25	34
G05-1102 RR	29	35	38	34
N02-7738	31	33	30	31
N03-7183	19	24	12	19
N04-9646	36	37	26	33
NCC04-5336R	35	35	18	29
NCC04-619	30	31	15	25
NCC05-1543	28	24	14	22
R02-3065	27	31	23	27
R03-1250	30	30	22	27
R04-342	26	29	26	27
R04-522	27	31	28	29
SC03-9090RR	34	32	36	34
SC03-9151RR	34	32	34	33
SC04-41	32	32	32	32
VS05-966	39	39	28	35
VS07-1023	34	36	30	33
VS22-537	25	30	27	27
Mean	31	32	27	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(B)*	*Petersburg, VA*	*Plymouth, NC(A)*	*Area Mean*
DILLON	35	32	45	38
BOGGS RR	39	31	44	38
NC-ROY	45	36	43	42
G05-1102 RR	43	32	48	41
N02-7738	32	31	43	35
N03-7183	18	24	36	26
N04-9646	39	28	38	35
NCC04-5336R	38	27	39	35
NCC04-619	32	24	38	31
NCC05-1543	32	27	39	33
R02-3065	33	32	42	35
R03-1250	36	30	46	37
R04-342	30	27	41	33
R04-522	29	33	36	33
SC03-9090RR	39	33	48	40
SC03-9151RR	37	30	49	38
SC04-41	38	36	43	39
VS05-966	37	36	48	40
VS07-1023	39	31	38	36
VS22-537	30	36	40	36
Mean	35	31	42	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Calhoun, GA	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	27	35	36	38	37	33	39	39	35
BOGGS RR	27	34	36	42	38	37	37	42	37
NC-ROY	28	37	35	36	40	29	39	37	35
G05-1102 RR	29	36	34	39	36	37	38	45	37
N02-7738	27	31	34	33	33	30	30	36	32
N03-7183	18	21	23	27	27	19	20	18	22
N04-9646	28	35	33	39	33	30	32	37	34
NCC04-5336R	26	31	29	36	31	28	28	33	30
NCC04-619	24	28	26	32	28	30	28	35	29
NCC05-1543	24	29	27	31	31	22	29	27	28
R02-3065	25	30	32	38	35	28	31	35	32
R03-1250	23	30	35	36	35	30	30	36	32
R04-342	23	27	32	35	31	24	31	31	29
R04-522	27	29	33	33	36	27	33	35	32
SC03-9090RR	30	35	36	36	41	37	45	39	37
SC03-9151RR	28	35	35	38	37	40	38	38	36
SC04-41	28	34	36	41	36	35	39	40	36
VS05-966	30	36	33	38	39	33	38	35	35
VS07-1023	27	34	34	38	33	31	34	38	34
VS22-537	28	32	33	34	38	31	34	32	33
Mean	26	32	33	36	35	31	34	35	.

TABLE 64 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
DILLON	19	19
BOGGS RR	27	27
NC-ROY	28	28
G05-1102 RR	20	20
N02-7738	25	25
N03-7183	16	16
N04-9646	31	31
NCC04-5336R	18	18
NCC04-619	19	19
NCC05-1543	18	18
R02-3065	21	21
R03-1250	20	20
R04-342	21	21
R04-522	22	22
SC03-9090RR	25	25
SC03-9151RR	25	25
SC04-41	21	21
VS05-966	29	29
VS07-1023	25	25
VS22-537	20	20
Mean	23	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
DILLON	1.2	1.0	2.0	1.4
BOGGS RR	1.7	1.0	2.0	1.6
NC-ROY	3.3	2.7	2.0	2.7
G05-1102 RR	0.8	1.0	2.0	1.3
N02-7738	1.3	1.0	2.0	1.4
N03-7183	0.5	1.0	2.0	1.2
N04-9646	3.2	1.0	2.0	2.1
NCC04-5336R	1.0	1.0	2.0	1.3
NCC04-619	1.0	1.0	2.0	1.3
NCC05-1543	1.8	1.0	2.0	1.6
R02-3065	0.7	1.0	2.0	1.2
R03-1250	1.0	1.0	2.0	1.3
R04-342	0.5	1.0	2.0	1.2
R04-522	1.5	1.0	2.0	1.5
SC03-9090RR	1.5	1.0	2.0	1.6
SC03-9151RR	1.3	1.0	2.0	1.4
SC04-41	1.0	1.0	2.0	1.3
VS05-966	3.3	2.3	2.0	2.6
VS07-1023	1.7	1.0	2.0	1.6
VS22-537	0.8	1.0	2.0	1.3
Mean	1.5	1.2	2.0	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(B)*	*Petersburg, VA*	*Plymouth, NC(A)*	*Area Mean*
DILLON	2.7	1.3	3.0	2.1
BOGGS RR	3.0	2.0	3.5	2.6
NC-ROY	3.3	2.0	3.0	2.7
G05-1102 RR	2.3	1.2	1.5	1.7
N02-7738	3.0	1.7	3.5	2.5
N03-7183	2.0	1.0	3.0	1.7
N04-9646	2.7	1.7	2.0	2.1
NCC04-5336R	2.0	1.2	2.0	1.6
NCC04-619	2.0	1.0	2.0	1.6
NCC05-1543	3.0	1.0	4.0	2.3
R02-3065	2.3	1.2	3.5	2.0
R03-1250	2.0	1.0	3.5	1.8
R04-342	2.7	1.3	2.0	2.0
R04-522	2.3	1.7	3.0	2.1
SC03-9090RR	2.7	1.5	2.5	2.1
SC03-9151RR	3.3	1.7	3.0	2.6
SC04-41	3.7	1.3	2.5	2.5
VS05-966	3.7	2.3	3.0	3.0
VS07-1023	3.3	1.8	2.0	2.5
VS22-537	3.0	2.0	3.5	2.6
Mean	2.8	1.5	2.8	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Calhoun, GA	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	1.0	1.0	1.7	2.3	2.3	2.7	1.0	2.7	1.8
BOGGS RR	3.3	2.3	2.0	3.7	2.3	2.0	3.3	4.0	2.9
NC-ROY	1.0	2.0	2.0	3.7	3.0	3.0	1.7	2.7	2.4
G05-1102 RR	1.0	1.0	1.0	1.3	1.0	1.7	1.0	2.0	1.3
N02-7738	1.0	1.0	1.7	2.3	1.7	3.0	1.0	2.3	1.8
N03-7183	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
N04-9646	1.0	1.3	2.0	4.3	2.0	3.0	2.3	3.3	2.4
NCC04-5336R	1.0	1.0	1.0	2.3	1.2	1.3	1.0	1.3	1.3
NCC04-619	1.0	1.0	1.0	2.0	1.0	1.7	1.0	1.3	1.3
NCC05-1543	1.0	1.0	2.0	2.7	2.3	1.3	1.0	1.3	1.6
R02-3065	1.0	1.0	1.0	1.8	3.8	2.0	1.0	1.0	1.6
R03-1250	1.0	1.0	1.0	1.3	1.5	1.3	1.0	1.3	1.2
R04-342	1.0	1.0	2.0	1.7	1.7	1.3	1.0	2.7	1.5
R04-522	1.0	1.0	2.7	2.3	2.8	2.3	1.7	2.3	2.0
SC03-9090RR	1.0	1.0	1.7	3.3	2.5	1.7	1.3	2.3	1.9
SC03-9151RR	1.0	1.0	1.3	1.7	1.7	2.7	1.0	2.7	1.6
SC04-41	1.0	1.0	2.0	3.0	1.7	2.7	1.3	2.3	1.9
VS05-966	2.0	2.0	3.0	4.0	2.8	3.3	2.0	3.0	2.8
VS07-1023	1.7	2.7	1.0	3.0	3.8	2.0	2.3	3.3	2.5
VS22-537	1.0	1.0	2.3	2.0	2.3	3.0	1.3	2.7	2.0
Mean	1.2	1.3	1.7	2.5	2.1	2.2	1.4	2.3	.

TABLE 65 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
DILLON	1.0	1.0
BOGGS RR	1.7	1.7
NC-ROY	1.5	1.5
G05-1102 RR	1.2	1.2
N02-7738	1.3	1.3
N03-7183	1.0	1.0
N04-9646	1.8	1.8
NCC04-5336R	1.0	1.0
NCC04-619	1.0	1.0
NCC05-1543	1.2	1.2
R02-3065	1.0	1.0
R03-1250	1.0	1.0
R04-342	1.0	1.0
R04-522	1.2	1.2
SC03-9090RR	1.3	1.3
SC03-9151RR	1.0	1.0
SC04-41	1.0	1.0
VS05-966	1.7	1.7
VS07-1023	2.0	2.0
VS22-537	1.0	1.0
Mean	1.2	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

Delta

STRAIN/ VARIETY	*Pine Tree, AR*	*Rohwer, AR*	*Stoneville, MS*	*Area Mean*
DILLON	1.2	.	3.0	2.1
BOGGS RR	1.0	.	3.0	2.0
NC-ROY	1.3	.	3.0	2.2
G05-1102 RR	1.0	.	3.0	2.0
N02-7738	1.3	.	3.0	2.2
N03-7183	1.5	.	3.0	2.3
N04-9646	1.2	.	3.0	2.1
NCC04-5336R	1.0	.	3.0	2.0
NCC04-619	1.2	.	3.0	2.1
NCC05-1543	1.2	.	3.0	2.1
R02-3065	1.2	.	3.0	2.1
R03-1250	1.0	.	3.0	2.0
R04-342	1.2	.	3.0	2.1
R04-522	1.3	.	2.0	1.7
SC03-9090RR	1.5	.	3.0	2.3
SC03-9151RR	1.2	.	3.0	2.1
SC04-41	1.2	.	3.0	2.1
VS05-966	1.3	.	3.0	2.2
VS07-1023	1.0	.	3.0	2.0
VS22-537	1.3	.	3.0	2.2
Mean	1.2	.	3.0	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(B)*	*Petersburg, VA*	*Plymouth, NC(A)*	*Area Mean*
DILLON	2.0	1.0	.	1.5
BOGGS RR	2.7	1.0	.	1.8
NC-ROY	2.0	1.0	.	1.5
G05-1102 RR	2.7	1.0	.	1.8
N02-7738	2.3	1.3	.	1.8
N03-7183	3.7	1.3	.	2.5
N04-9646	2.3	1.0	.	1.7
NCC04-5336R	1.7	1.0	.	1.3
NCC04-619	2.3	1.0	.	1.7
NCC05-1543	2.3	1.0	.	1.7
R02-3065	2.3	1.0	.	1.7
R03-1250	2.0	2.0	.	2.0
R04-342	2.3	1.7	.	2.0
R04-522	2.7	2.0	.	2.3
SC03-9090RR	3.3	1.0	.	2.2
SC03-9151RR	3.0	1.0	.	2.0
SC04-41	2.7	1.0	.	1.8
VS05-966	2.0	1.0	.	1.5
VS07-1023	2.3	1.0	.	1.7
VS22-537	2.3	2.0	.	2.2
Mean	2.4	1.2	.	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Belle Mina, AL	Blackville, SC(A)	Calhoun, GA	Clemson, SC	Fairhope, AL	Tallassee, AL(A)	Tifton, GA	Area Mean
DILLON	2.2	.	.	2.0	.	1.5	3.0	1.5	2.0
BOGGS RR	1.5	.	.	2.3	.	1.5	3.7	1.5	2.1
NC-ROY	1.7	.	.	1.7	.	1.0	2.8	1.5	1.7
G05-1102 RR	1.7	.	.	1.5	.	1.5	2.7	1.5	1.8
N02-7738	3.2	.	.	2.7	.	2.0	3.0	2.0	2.6
N03-7183	2.2	.	.	2.5	.	1.5	2.8	2.3	2.3
N04-9646	2.0	.	.	2.0	.	1.5	2.3	1.5	1.9
NCC04-5336R	1.5	.	.	1.7	.	1.0	2.0	1.2	1.5
NCC04-619	1.7	.	.	1.5	.	2.0	2.8	1.3	1.9
NCC05-1543	1.8	.	.	2.0	.	1.5	3.5	1.8	2.1
R02-3065	2.5	.	.	1.8	.	1.0	3.0	1.3	1.9
R03-1250	2.8	.	.	1.7	.	2.2	2.2	1.7	2.1
R04-342	4.2	.	.	2.0	.	1.5	2.5	1.3	2.3
R04-522	3.8	.	.	2.2	.	1.7	3.0	1.8	2.5
SC03-9090RR	2.0	.	.	2.0	.	1.5	2.3	1.5	1.9
SC03-9151RR	2.0	.	.	2.0	.	1.7	2.8	1.5	2.0
SC04-41	1.8	.	.	1.7	.	1.5	2.5	1.3	1.8
VS05-966	1.8	.	.	2.2	.	1.7	4.5	1.5	2.3
VS07-1023	1.5	.	.	2.3	.	1.5	3.7	1.5	2.1
VS22-537	4.0	.	.	2.3	.	2.5	4.5	2.2	3.1
Mean	2.3	.	.	2.0	.	1.6	3.0	1.6	.

TABLE 66 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
DILLON	1.0	1.0
BOGGS RR	1.0	1.0
NC-ROY	1.2	1.2
G05-1102 RR	1.2	1.2
N02-7738	1.0	1.0
N03-7183	1.3	1.3
N04-9646	1.0	1.0
NCC04-5336R	1.0	1.0
NCC04-619	1.0	1.0
NCC05-1543	1.0	1.0
R02-3065	1.0	1.0
R03-1250	1.3	1.3
R04-342	1.2	1.2
R04-522	1.2	1.2
SC03-9090RR	1.0	1.0
SC03-9151RR	1.3	1.3
SC04-41	1.0	1.0
VS05-966	1.0	1.0
VS07-1023	1.0	1.0
VS22-537	1.5	1.5
Mean	1.1	.

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TABLE 67 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	DILLON	Centennial x Young		
2	BOGGS RR	(G81-152 x Coker 6738) x RR		
3	NC-ROY	Holladay X Brim		
4	G06-1202 RR	G99-2192 X Boggs RR	F5d	
5	G06-2381 RR	G02-G42164 X G99-4158	F5d	
6	G06-2460 RR	G98-1420 X H7242 RR	F5d	
7	G06-2750 RR	G98-1420 X H7242 RR	F5d	
8	N05-7353	N7002 x N98-7265	F4	25% 471938, 12.5% 416937
9	N05-7375	N7002 x N98-7265	F4	25% 471938, 12.5% 416 937
10	N06-7023	N98-7265 x N98-7288	F4	SLOW WILT; 50% exotic PI 471938
11	N06-7124	N98-7265 x N98-7288	F4	SLOW WILT; 50% exotic PI 471938
12	N06-7280	N98-7265 x N7002	F4	25% 471938, 12.5% 416 937
13	NCC06-1090	N99-8137xTN99-117	F4:8	
14	NCC06-1331	N99-8137xTN99-117	F4:8	
15	NCC06-1349	N99-8137xTN99-117	F4:8	
16	NCC06-5776R	TN99-184xNC ROY RR, BC4F2	F4:8	
17	NCC06-5894R	TN99-184xNC ROY RR, BC4F2	F4:8	
18	R01-2731F	Caviness x PI 592947		50 % exotic
19	R03-1011	HBK 5990 x 98601		
20	R05-138	MD 4900 x Ozark		
21	VS04-781	Kanrich x PI 506852	F6	50% exotic
22	VS04-822	PI 399055 x Tomahomare	F6	100% exotic
23	VS04-922	V81-1603 x PI 379621	F6	50% exitic
24	VS04-964	V81-1603 x Verde	F6	0% exotic

TABLE 68 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST VI FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
DILLON	41.7	7	10	0	1.5	37	2.1	14.8	40.2	20.4	5	5	4	MS	4			
BOGGS RR	34.3	19	16	3	2.1	37	2.0	12.4	40.7	19.0	5	1	3	R	1			
NC-ROY	42.0	6	10	3	2.5	38	2.1	13.6	40.9	19.4	5	5	4	MS	4			
G06-1202 RR	35.3	17	14	0	2.0	37	2.2	12.2	40.0	19.6	5	2	3	S	5	W	T	T
G06-2381 RR	40.8	8	12	3	2.3	35	2.3	13.7	38.2	20.8	4	1	2	R	1	W	G	T
G06-2460 RR	46.2	1	7	1	1.4	34	2.1	14.7	41.5	19.4	5	2	4	R	1	P	T	T
G06-2750 RR	40.4	10	13	0	2.2	40	2.2	13.9	40.3	20.2	5	2	3	R	1	W	T	T
N05-7353	40.8	9	9	2	1.5	33	2.2	16.2	40.1	20.9	5	5	4	S	5	W	G	
N05-7375	38.1	15	12	1	1.8	34	2.0	14.4	40.1	21.0	5	5	4	R	1	P	G	
N06-7023	42.5	5	9	0	1.6	33	2.1	16.7	40.6	21.1	5	5	4	SS	3	W	G	
N06-7124	34.9	18	16	-4	1.5	32	2.6	15.9	39.5	21.6	4	5	4	R	1	W	G	
N06-7280	37.7	16	14	0	1.9	32	1.8	14.2	40.4	20.9	5	5	4	S	5	P	G	
NCC06-1090	40.2	11	10	4	1.6	31	2.3	18.2	40.0	20.7	5	5	5	R	1	P	G	T
NCC06-1331	38.7	13	10	1	1.6	26	2.0	14.6	39.3	20.8	5	5	4	R	1	P	G	S
NCC06-1349	38.5	14	11	0	1.4	28	2.3	18.3	40.2	20.7	5	5	5	R	1	P	G	T
NCC06-5776R	33.3	20	16	1	1.3	25	1.9	12.8	41.2	19.8	5	5	3	R	1	W	G	T
NCC06-5894R	40.1	12	10	3	1.5	32	1.9	12.4	40.9	19.3	5	4	4	R	1	W	G	T
R01-2731F	45.7	2	6	-1	1.5	32	2.3	15.7	39.7	21.3	5	5	3	R	1	P	G	Tn
R03-1011	45.1	3	7	-5	1.8	31	2.2	16.9	41.6	19.3	5	4	3	R	1	P	T	Tn
R05-138	44.9	4	7	-6	1.4	28	1.9	15.1	40.3	19.9	5	5	5	R	1	P	G	Tn
VS04-781	30.3	21	19	0	3.6	49	2.3	19.2	41.3	19.7	5	5	5	R	1	P	G	
VS04-822	25.7	24	22	10	3.7	41	2.8	19.0	42.1	19.0	5	5	4	R	1	P	G	
VS04-922	29.3	22	20	13	3.2	34	2.8	16.9	42.4	18.1	5	5	4	R	1	W	G	
VS04-964	28.2	23	21	14	3.5	52	2.8	19.4	42.1	19.3	5	5	3	R	1	P	G	
Mean	38.1	.	.	2	2.0	35	2.2	15.5	40.6	20.1	.	.	.		.			
LSD(0.05)	7.5	.	.	4	0.7	4	0.5	1.6	1.4	0.8	.	.	.		.			
CV(%)	21.7	.	.	225	31.5	13	21.5	9.7	3.0	3.6	.	.	.		.			

TABLE 69 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS ‡	Tallassee, AL(A) ‡	Test Mean
DILLON	34.2	41.6	25.2	73.9	45.0	50.1	37.3	26.1	41.7
BOGGS RR	29.2	39.6	22.4	56.4	46.5	47.2	17.8	15.0	34.3
NC-ROY	40.1	44.7	23.2	58.0	45.5	63.0	38.8	22.9	42.0
G06-1202 RR	35.2	42.1	22.1	67.3	44.8	27.0	18.5	28.5	35.3
G06-2381 RR	28.9	40.0	28.6	61.1	41.7	54.7	34.0	37.6	40.8
G06-2460 RR	38.3	44.7	22.1	71.8	51.9	70.2	33.7	36.9	46.2
G06-2750 RR	29.6	45.6	18.6	69.2	37.2	56.7	34.8	31.8	40.4
N05-7353	29.5	53.1	29.2	50.4	48.2	62.0	22.3	33.7	40.8
N05-7375	41.2	49.0	17.9	29.5	46.4	70.7	28.2	25.4	38.1
N06-7023	30.7	49.0	19.6	60.0	47.2	71.1	39.1	25.6	42.5
N06-7124	33.7	46.2	15.8	37.0	43.2	39.9	36.9	24.5	34.9
N06-7280	28.5	47.5	19.9	47.3	43.2	63.0	26.5	25.4	37.7
NCC06-1090	27.7	51.7	25.6	50.4	53.1	44.8	30.0	38.0	40.2
NCC06-1331	35.3	47.8	25.2	34.6	54.2	39.1	37.5	33.3	38.7
NCC06-1349	29.6	44.1	23.0	45.0	53.3	33.7	40.8	36.1	38.5
NCC06-5776R	34.7	40.5	13.9	19.4	41.7	49.8	35.1	32.1	33.3
NCC06-5894R	42.1	47.2	21.5	46.1	48.4	45.7	42.3	27.0	40.1
R01-2731F	48.2	47.4	29.2	67.2	49.4	58.9	31.6	34.0	45.7
R03-1011	34.1	51.6	21.8	66.1	44.4	67.3	41.5	37.4	45.1
R05-138	36.9	53.4	22.1	71.1	47.0	58.6	36.1	33.8	44.9
VS04-781	33.2	24.7	17.1	50.1	33.6	40.8	20.2	22.7	30.3
VS04-822	16.4	26.5	15.5	48.5	32.3	36.5	15.1	14.6	25.7
VS04-922	22.4	29.8	17.8	52.3	33.1	45.3	15.5	18.2	29.3
VS04-964	26.7	22.1	17.9	49.8	31.3	39.2	21.7	16.1	28.2
Mean	32.8	42.9	21.5	53.4	44.3	51.5	30.6	28.2	38.1
LSD(0.05)	8.8	6.4	4.4	15.1	6.9	13.1	14.3	9.4	7.5
CV(%)	12.9	7.2	9.8	13.0	7.4	10.5	22.6	16.1	21.7

‡Data not included in mean.

TABLE 70 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	20.1	19.0	20.6	.	20.1	23.7	.	19.3	20.4
BOGGS RR	18.9	17.7	20.5	.	17.2	20.9	.	18.5	19.0
NC-ROY	20.5	18.7	19.5	.	19.7	19.8	.	18.1	19.4
G06-1202 RR	19.0	18.6	19.8	.	19.3	21.1	.	19.7	19.6
G06-2381 RR	20.9	19.4	21.9	.	19.9	22.0	.	20.9	20.8
G06-2460 RR	19.5	19.2	20.3	.	17.7	19.9	.	20.2	19.4
G06-2750 RR	20.5	19.5	19.9	.	19.6	20.9	.	20.5	20.2
N05-7353	21.0	19.8	19.7	.	20.4	22.9	.	21.5	20.9
N05-7375	20.8	20.8	20.2	.	20.3	22.9	.	21.2	21.0
N06-7023	20.3	20.4	22.4	.	20.2	22.7	.	20.6	21.1
N06-7124	21.6	20.5	21.4	.	21.6	23.2	.	21.5	21.6
N06-7280	20.3	19.4	21.6	.	20.2	23.4	.	20.8	20.9
NCC06-1090	20.5	19.7	20.7	.	19.9	22.1	.	21.5	20.7
NCC06-1331	20.3	20.2	20.8	.	19.2	23.5	.	21.0	20.8
NCC06-1349	20.0	20.1	21.4	.	19.9	22.3	.	20.5	20.7
NCC06-5776R	20.1	18.3	20.5	.	17.9	22.9	.	18.8	19.8
NCC06-5894R	20.6	18.8	19.6	.	17.9	20.1	.	19.0	19.3
R01-2731F	20.6	20.1	21.8	.	20.4	23.0	.	21.7	21.3
R03-1011	19.7	18.2	19.4	.	18.0	20.5	.	20.3	19.3
R05-138	20.2	19.1	21.4	.	18.4	20.5	.	19.9	19.9
VS04-781	19.4	17.6	20.0	.	18.7	21.4	.	21.4	19.7
VS04-822	19.5	18.8	19.6	.	18.6	20.2	.	17.5	19.0
VS04-922	18.0	16.0	18.0	.	18.1	18.7	.	19.7	18.1
VS04-964	19.6	18.4	19.5	.	18.1	20.9	.	19.5	19.3
Mean	20.1	19.1	20.4	.	19.2	21.6	.	20.1	.

TABLE 71 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	39.2	44.5	39.5	.	40.2	34.2	.	43.4	40.2
BOGGS RR	39.8	43.5	39.1	.	42.2	35.5	.	44.1	40.7
NC-ROY	38.4	43.2	39.8	.	39.2	40.5	.	44.3	40.9
G06-1202 RR	39.3	41.8	38.3	.	40.5	35.3	.	44.6	40.0
G06-2381 RR	36.4	41.0	35.7	.	38.0	36.3	.	41.7	38.2
G06-2460 RR	39.6	43.3	39.6	.	42.3	41.3	.	42.9	41.5
G06-2750 RR	38.0	41.3	39.2	.	40.3	39.6	.	43.1	40.3
N05-7353	39.9	41.2	40.7	.	40.3	35.9	.	42.7	40.1
N05-7375	40.3	41.3	39.7	.	41.0	36.4	.	42.2	40.1
N06-7023	40.2	41.2	41.2	.	40.2	38.5	.	42.2	40.6
N06-7124	38.5	40.9	38.7	.	41.3	35.6	.	41.9	39.5
N06-7280	39.0	43.1	39.5	.	41.2	37.2	.	42.3	40.4
NCC06-1090	37.8	40.6	40.7	.	39.5	41.5	.	40.0	40.0
NCC06-1331	37.6	41.6	38.9	.	40.7	35.3	.	41.4	39.3
NCC06-1349	39.1	41.8	41.3	.	40.3	36.8	.	41.9	40.2
NCC06-5776R	39.1	43.4	38.8	.	42.5	38.4	.	44.7	41.2
NCC06-5894R	39.2	41.9	39.1	.	42.1	39.3	.	44.1	40.9
R01-2731F	39.9	40.7	40.3	.	39.7	36.4	.	41.1	39.7
R03-1011	39.6	43.7	40.6	.	42.4	39.8	.	43.7	41.6
R05-138	38.4	41.4	40.0	.	41.0	38.2	.	42.5	40.3
VS04-781	39.3	43.8	39.1	.	41.7	40.6	.	43.3	41.3
VS04-822	41.0	42.7	42.0	.	41.4	39.7	.	45.8	42.1
VS04-922	40.3	44.3	41.7	.	42.4	41.4	.	44.5	42.4
VS04-964	40.9	43.5	41.1	.	42.6	40.3	.	44.3	42.1
Mean	39.2	42.3	39.8	.	41.0	38.1	.	43.0	.

TABLE 72 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	15.9	16.8	16.1	15.7	13.6	.	12.4	13.4	14.8
BOGGS RR	13.2	13.1	14.8	12.2	11.1	.	12.7	9.9	12.4
NC-ROY	15.0	14.5	15.2	13.5	12.4	.	12.2	12.5	13.6
G06-1202 RR	12.6	11.9	13.1	11.8	10.8	.	14.7	10.5	12.2
G06-2381 RR	13.5	14.3	13.9	13.4	12.6	.	16.2	12.2	13.7
G06-2460 RR	15.8	15.3	14.5	14.5	12.9	.	16.1	14.0	14.7
G06-2750 RR	14.7	14.0	14.4	13.9	13.9	.	13.6	12.9	13.9
N05-7353	17.6	16.1	17.5	15.3	14.2	.	15.8	16.8	16.2
N05-7375	15.9	15.0	14.5	15.2	13.5	.	12.5	14.1	14.4
N06-7023	18.7	16.9	17.9	16.4	15.3	.	15.6	16.2	16.7
N06-7124	16.1	16.9	15.8	17.4	15.1	.	14.4	15.8	15.9
N06-7280	15.8	15.0	13.8	14.7	12.5	.	13.4	14.3	14.2
NCC06-1090	19.4	19.8	17.1	19.9	17.1	.	16.8	17.5	18.2
NCC06-1331	15.1	14.5	15.8	14.7	13.3	.	14.2	14.4	14.6
NCC06-1349	20.6	19.1	16.6	21.0	16.3	.	17.6	17.2	18.3
NCC06-5776R	14.7	14.0	12.0	13.4	12.0	.	11.7	11.9	12.8
NCC06-5894R	13.9	12.7	12.6	12.4	11.4	.	14.0	10.2	12.4
R01-2731F	16.9	16.9	17.1	15.7	14.4	.	14.3	14.8	15.7
R03-1011	17.5	19.0	18.0	16.2	16.6	.	15.2	15.7	16.9
R05-138	15.4	14.9	14.9	14.5	12.3	.	18.3	15.1	15.1
VS04-781	21.1	19.6	17.1	22.4	20.8	.	18.2	15.5	19.2
VS04-822	22.5	21.7	20.7	20.9	20.2	.	11.9	15.2	19.0
VS04-922	18.7	17.7	16.1	17.9	19.5	.	11.2	17.1	16.9
VS04-964	21.9	18.9	20.9	23.7	20.1	.	13.4	17.0	19.4
Mean	16.8	16.2	15.9	16.1	14.7	.	14.4	14.3	.

TABLE 73 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	*Clemson, SC*	*Kinston, NC(B)*	*Petersburg, VA*	*Pine Tree, AR*	*Plymouth, NC(A)*	*Rohwer, AR*	*Stoneville, MS*	*Tallassee, AL(A)*	*Test Mean*
DILLON	10/29	10/12	11/4	10/17	10/20	10/12	9/30	10/11	10/17
BOGGS RR	7	3	0	5	7	2	0	-1	3
NC-ROY	0	8	0	4	4	6	1	2	3
G06-1202 RR	6	1	0	1	2	-2	-4	-1	0
G06-2381 RR	-3	9	0	3	5	0	6	6	3
G06-2460 RR	3	-1	0	2	-1	0	-2	6	1
G06-2750 RR	3	-3	0	4	1	-3	-3	3	0
N05-7353	1	4	0	-2	3	-2	-1	12	2
N05-7375	2	-2	0	-3	1	0	8	5	1
N06-7023	0	-2	0	-3	2	2	-2	4	0
N06-7124	-4	-3	0	-7	-8	-11	-1	0	-4
N06-7280	0	-4	0	-3	-3	-2	8	0	0
NCC06-1090	6	12	0	0	4	2	0	12	4
NCC06-1331	-2	3	0	-1	2	0	3	6	1
NCC06-1349	-2	4	0	-2	1	-9	-2	12	0
NCC06-5776R	-1	5	0	-4	1	-4	3	8	1
NCC06-5894R	-1	4	0	5	5	10	2	4	3
R01-2731F	-1	0	0	-3	0	-4	-2	1	-1
R03-1011	-5	-8	0	-8	-10	-7	-3	-1	-5
R05-138	-6	-7	0	-8	-10	-9	-4	0	-6
VS04-781	-7	-3	0	-4	1	-1	4	10	0
VS04-822	2	18	11	5	11	10	18	8	10
VS04-922	3	.	28	8	13	12	18	10	13
VS04-964	8	23	11	11	15	13	18	14	14
Mean	0	3	2	0	2	0	3	5	.

TABLE 74 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	38	37	35	29	44	35	31	45	37
BOGGS RR	39	39	31	34	44	39	33	41	37
NC-ROY	39	39	37	34	44	37	26	45	38
G06-1202 RR	36	40	35	29	42	37	34	43	37
G06-2381 RR	34	40	30	33	40	41	21	39	35
G06-2460 RR	34	37	29	28	43	34	30	38	34
G06-2750 RR	35	44	37	34	50	42	34	48	40
N05-7353	33	32	30	21	44	34	35	38	33
N05-7375	35	31	33	24	41	36	30	39	34
N06-7023	35	33	28	24	38	32	35	36	33
N06-7124	35	29	25	24	44	34	27	41	32
N06-7280	36	33	31	23	39	29	28	40	32
NCC06-1090	36	31	29	20	38	26	26	39	31
NCC06-1331	32	25	24	19	40	27	13	31	26
NCC06-1349	32	25	28	20	40	22	22	34	28
NCC06-5776R	29	25	23	18	34	28	14	30	25
NCC06-5894R	35	36	32	27	40	32	18	36	32
R01-2731F	34	34	31	27	42	36	20	36	32
R03-1011	31	31	26	24	41	29	28	39	31
R05-138	31	28	25	21	36	30	24	28	28
VS04-781	51	57	41	45	48	51	48	48	49
VS04-822	35	43	32	34	43	46	53	39	41
VS04-922	34	36	31	34	38	35	31	36	34
VS04-964	47	58	47	54	40	50	58	57	52
Mean	36	36	31	28	41	35	30	39	.

TABLE 75 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	.	2.0	.	0.8	2.5	1.0	2.0	1.0	1.5
BOGGS RR	.	2.0	.	1.5	2.0	1.0	2.0	4.0	2.1
NC-ROY	.	3.5	.	3.3	2.0	2.0	2.0	2.0	2.5
G06-1202 RR	.	2.0	.	1.8	2.5	1.5	2.0	2.0	2.0
G06-2381 RR	.	2.5	.	3.0	3.0	2.0	2.0	1.5	2.3
G06-2460 RR	.	2.0	.	0.5	2.0	1.0	2.0	1.0	1.4
G06-2750 RR	.	2.0	.	1.5	3.0	2.5	2.0	2.5	2.2
N05-7353	.	2.5	.	0.5	2.0	1.0	2.0	1.0	1.5
N05-7375	.	2.0	.	0.5	3.0	1.0	3.0	1.5	1.8
N06-7023	.	2.0	.	0.5	2.0	1.0	2.0	2.0	1.6
N06-7124	.	1.8	.	0.5	2.5	1.0	2.0	1.5	1.5
N06-7280	.	2.5	.	0.5	3.5	1.0	3.0	1.0	1.9
NCC06-1090	.	2.5	.	0.5	3.0	1.0	2.0	1.0	1.6
NCC06-1331	.	2.0	.	0.5	2.5	1.0	2.0	1.5	1.6
NCC06-1349	.	2.0	.	0.5	2.0	1.0	2.0	1.0	1.4
NCC06-5776R	.	1.8	.	0.5	1.5	1.0	2.0	1.0	1.3
NCC06-5894R	.	2.0	.	1.0	2.0	1.0	2.0	1.0	1.5
R01-2731F	.	2.0	.	0.5	2.0	1.0	2.0	1.5	1.5
R03-1011	.	2.0	.	0.8	3.5	1.0	2.0	2.0	1.8
R05-138	.	1.8	.	0.5	2.5	1.0	2.0	1.0	1.4
VS04-781	.	3.5	.	3.5	3.5	3.5	5.0	2.5	3.6
VS04-822	.	3.0	.	3.0	4.0	3.5	5.0	3.5	3.7
VS04-922	.	3.0	.	2.0	4.5	2.0	5.0	3.0	3.2
VS04-964	.	3.0	.	4.0	4.0	3.0	5.0	2.0	3.5
Mean	.	2.3	.	1.3	2.7	1.5	2.6	1.8	.

TABLE 76 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI FOR YEAR 2009

STRAIN/ VARIETY	Clemson, SC	Kinston, NC(B)	Petersburg, VA	Pine Tree, AR	Plymouth, NC(A)	Rohwer, AR	Stoneville, MS	Tallassee, AL(A)	Test Mean
DILLON	.	3.0	1.0	1.3	.	.	3.0	2.5	2.1
BOGGS RR	.	2.5	1.0	1.0	.	.	2.0	3.5	2.0
NC-ROY	.	3.0	1.5	1.0	.	.	3.0	2.0	2.1
G06-1202 RR	.	2.5	1.0	1.0	.	.	3.0	3.5	2.2
G06-2381 RR	.	3.0	1.0	1.0	.	.	3.0	3.5	2.3
G06-2460 RR	.	3.0	1.0	1.0	.	.	3.0	2.5	2.1
G06-2750 RR	.	3.0	1.0	1.3	.	.	3.0	3.0	2.2
N05-7353	.	3.0	1.0	1.3	.	.	3.0	2.8	2.2
N05-7375	.	2.0	1.5	1.3	.	.	3.0	2.3	2.0
N06-7023	.	1.5	2.0	1.0	.	.	3.0	3.0	2.1
N06-7124	.	3.0	2.0	1.0	.	.	3.0	4.0	2.6
N06-7280	.	2.0	1.0	1.0	.	.	3.0	2.3	1.8
NCC06-1090	.	2.5	1.5	1.3	.	.	3.0	3.3	2.3
NCC06-1331	.	2.5	1.0	1.0	.	.	3.0	2.8	2.0
NCC06-1349	.	3.0	1.0	1.3	.	.	3.0	3.5	2.3
NCC06-5776R	.	2.5	1.0	1.3	.	.	3.0	2.0	1.9
NCC06-5894R	.	2.5	1.0	1.3	.	.	3.0	2.0	1.9
R01-2731F	.	3.0	2.0	1.0	.	.	3.0	2.8	2.3
R03-1011	.	2.0	1.0	1.0	.	.	3.0	3.8	2.2
R05-138	.	2.0	1.0	1.0	.	.	3.0	2.8	1.9
VS04-781	.	3.0	1.0	1.3	.	.	3.0	3.5	2.3
VS04-822	.	3.5	1.5	1.8	.	.	3.0	4.3	2.8
VS04-922	.	4.0	1.0	2.0	.	.	3.0	4.3	2.8
VS04-964	.	4.0	1.5	2.0	.	.	3.0	3.5	2.8
Mean	.	2.8	1.2	1.2	.	.	3.0	3.0	.

TABLE 77 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	AGS758 RR	Commercial check		
2	HASKELL RR	(Johnson x Braxton) x RR		
3	N7002	N7001 × Cook	F4	
4	N02-7084	Cook × Anand		
5	G03-1187 RR	G95-346 X H7242 RR	F5d	
6	G04-2215 RR	G96-2272 X H7242 RR	F5d	
7	G04-2414 RR	G96-2272 X H7242 RR	F5d	
8	G05-1200 RR	G98-1420 X H7242 RR	F5d	
9	G05-1481 RR	G98-1053 X H7242 RR	F5d	
10	G05-2324 RR	G98-2641 X H7242 RR	F5d	
11	N01-11136	NTCPR94-5157 × N96-7031	F4	SLOW WILT; 25% PI 416937
12	N01-11771	GRAHAM X N96-7031	F4	SLOW WILT; 25% PI 416937
13	N01-11777	Graham × N96-7031	F4	SLOW WILT; 25% PI 416937
14	N05-7281	N96-6809 x N98-7265	F4	25% PI 416937, 25% PI 471938
15	N05-7452	N7002 x 5601T	F4	12.5% PI416937
16	N05-7462	5601T x N96-6809	F4	25% PI 416937
17	N06-7564	NCROY X N8001	F4	12.5% PI 416937
18	NCC04-14762R	TN96-58 x NC Roy RR, BC1F1	F4:9	
19	NCC04-624	N97-61 x TN96-64	F4:9	
20	SC03-153RR	G93- 5/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC_1RESNIKRR)]})	F5	
21	SC03-172RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC_1RESNIKRR)]})	F5	
22	SC04-375RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC_1RESNIKRR]})	F5	
23	SC04-386RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC_1RESNIKRR]})	F5	
24	SC04-417RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC_1RESNIKRR]})	F5	

TABLE 78 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

STRAIN/ VARIETY	AVERAGE RANK	AVERAGE RANK	YIELD ‡ 2009	YIELD ‡ 08-09	YIELD ‡ 07-09	PROTEIN ‡ 2009	PROTEIN ‡ 08-09	PROTEIN ‡ 07-09	OIL ‡ 2009	OIL ‡ 08-09	OIL ‡ 07-09
AGS758RR	22	19	45.9	46.0	44.0	40.5	41.2	40.9	19.1	19.1	19.8
HASKELL RR	21	18	47.1	45.8	43.2	40.2	40.8	40.4	20.2	20.1	20.6
N7002	2	7	53.3	50.5	47.0	40.9	41.7	41.1	19.7	19.5	20.0
N02-7084	1	7	53.5	50.6	48.2	39.6	40.6	39.9	20.7	20.6	21.0
G03-1187 RR	13	13	49.6	47.8	45.1	40.1	40.8	40.3	20.0	20.0	20.6
G04-2215 RR	14	13	49.3	48.2	.	38.6	39.1	.	20.0	19.9	.
G04-2414 RR	15	13	49.1	47.2	.	40.3	41.2	.	20.0	19.7	.
G05-1200 RR	3	8	53.0	.	.	40.8	.	.	20.9	.	.
G05-1481 RR	19	13	48.0	.	.	41.1	.	.	18.8	.	.
G05-2324 RR	24	19	45.6	.	.	40.4	.	.	20.3	.	.
N01-11136	17	14	48.5	45.3	43.3	40.1	41.0	40.1	20.5	20.5	20.8
N01-11771	20	16	47.3	44.8	43.9	39.7	40.4	39.7	20.3	20.2	20.7
N01-11777	23	18	45.6	45.3	42.9	40.1	40.8	39.6	20.4	20.3	20.8
N05-7281	16	14	48.7	47.5	.	40.1	40.6	.	21.1	21.0	.
N05-7452	9	12	50.5	50.8	.	40.6	41.2	.	20.0	19.9	.
N05-7462	8	11	50.8	50.9	.	39.4	39.8	.	21.4	21.3	.
N06-7564	6	10	51.2	.	.	41.0	.	.	19.7	.	.
NCC04-14762R	5	8	51.4	.	.	41.2	.	.	19.8	.	.
NCC04-624	11	12	50.1	49.3	.	40.4	40.9	.	20.6	20.4	.
SC03-153RR	7	10	50.9	48.3	45.7	39.1	40.2	40.1	19.7	19.3	20.0
SC03-172RR	10	11	50.2	47.5	44.4	41.2	42.0	41.8	19.7	19.5	20.0
SC04-375RR	4	8	52.7	51.6	.	40.6	41.1	.	20.4	20.3	.
SC04-386RR	18	14	48.2	48.6	.	38.6	39.5	.	21.8	21.7	.
SC04-417RR	12	12	49.8	49.0	.	39.4	40.3	.	21.2	21.1	.
Mean	.	.	49.6	.	.	40.2	.	.	20.3	.	.
LSD(0.05)	.	.	3.9	.	.	0.7	.	.	0.5	.	.
CV(%)	.	.	11.5	.	.	1.8	.	.	2.7	.	.

‡Data not included in mean: 2009 – Calhoun, GA; Clemson, SC; Tallassee, AL (Only yield was omitted)
2008 - Bossier City, LA; Florence, SC
2007 – Calhoun, GA; Clemson, SC; Fairhope, AL

TABLE 79 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
AGS758RR	0	2.0	33	2.0	13.9			
HASKELL RR	2	2.2	39	1.7	15.9			
N7002	3	1.6	34	1.7	14.1	P	G	TAN
N02-7084	3	2.0	34	2.1	16.8			
G03-1187 RR	2	1.7	36	1.8	14.2	P	T	T
G04-2215 RR	2	1.5	32	1.7	12.2	W	T	T
G04-2414 RR	3	1.5	35	1.6	13.2	P	T	T
G05-1200 RR	1	1.3	34	1.7	14.1	P	T	T
G05-1481 RR	0	1.3	34	1.8	13.1	W	T	T
G05-2324 RR	1	2.1	41	1.7	14.2	P	T	T
N01-11136	1	1.5	31	2.0	17.5	P	G	TAN
N01-11771	2	1.5	31	1.8	14.4	P	G	
N01-11777	1	1.8	31	2.3	16.1	P	G	BR
N05-7281	3	1.4	32	1.7	16.2	P	G	
N05-7452	1	1.5	31	1.8	12.1	P	G	
N05-7462	1	1.9	34	1.8	16.6	W	G	
N06-7564	-1	1.9	33	2.0	15.3	W	G	
NCC04-14762R	-1	1.6	34	2.0	14.7	W	G	
NCC04-624	2	1.2	28	1.9	13.3	P	G	
SC03-153RR	2	1.8	35	1.8	13.9	W	T	TAN
SC03-172RR	6	1.8	37	1.7	14.7	W	G	TAN
SC04-375RR	1	1.9	34	1.8	16.3	W	T	TAN
SC04-386RR	3	1.7	34	1.8	13.3	W	G	TAN
SC04-417RR	1	1.6	34	1.6	13.9	W	T	TAN
Mean	2	1.7	34	1.8	14.6			
LSD(0.05)	2	0.3	2	0.3	0.7			
CV(%)	152	31.0	10	19.0	5.8			

TABLE 80 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 1.3.5.6.7 Race 14	PRK GA	SRK GA	SMV G1 REACTION	SC RATING	SC SCORE	SDS DX
AGS758 RR	5	1	3	2.8	1.0	Sev	R	1	.
HASKELL RR	5	4	4	2.8	1.5	Sus	R	1	.
N7002	5	5	4	4.5	2.3	R	MS	4	.
N02-7084	2	3	1	4.3	1.8	R	SS	3	.
G03-1187 RR	5	1	3	1.3	1.0	Sev	R	1	.
G04-2215 RR	5	3	3	4.5	1.0	R	R	1	.
G04-2414 RR	5	3	3	5.0	1.5	R	R	1	.
G05-1200 RR	5	3	3	5.0	1.3	R	R	1	.
G05-1481 RR	4	1	4	3.3	1.5	Seg	R	1	.
G05-2324 RR	5	3	4	4.0	2.3	Sev	MR	2	.
N01-11136	5	5	4	4.5	5.0	R	R	1	.
N01-11771	5	5	5	5.0	4.0	R	R	1	.
N01-11777	5	5	3	5.0	4.8	R	R	1	.
N05-7281	5	5	5	5.0	4.0	R	SS	3	.
N05-7452	5	5	4	5.0	1.5	R	SS	3	.
N05-7462	5	5	5	2.3	3.5	R	SS	3	.
N06-7564	5	5	4	4.3	4.8	R	SS	3	.
NCC04-14762R	5	5	4	4.8	4.3	R	R	1	.
NCC04-624	5	5	5	5.0	4.3	R	R	1	.
SC03-153RR	5	4	5	4.8	1.3	R	R	1	.
SC03-172RR	5	2	5	4.3	1.3	R	R	1	.
SC04-375RR	5	5	5	5.0	4.0	R	R	1	.
SC04-386RR	5	4	5	5.0	2.5	R	R	1	.
SC04-417RR	5	5	5	3.8	1.3	R	R	1	.

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(A)*	*Plymouth, NC(A)*	*Area Mean*
AGS758 RR	30.1	40.2	35.2
HASKELL RR	32.9	42.4	37.6
N7002	42.9	44.3	43.6
N02-7084	40.5	43.1	41.8
G03-1187 RR	31.1	51.4	41.3
G04-2215 RR	36.6	50.8	43.7
G04-2414 RR	41.2	50.4	45.8
G05-1200 RR	40.1	50.6	45.4
G05-1481 RR	38.9	47.9	43.4
G05-2324 RR	25.5	44.7	35.4
N01-11136	36.8	43.7	40.2
N01-11771	34.1	42.6	38.4
N01-11777	29.5	43.5	36.5
N05-7281	44.5	45.7	44.9
N05-7452	42.3	44.8	43.5
N05-7462	37.4	48.8	43.1
N06-7564	36.5	51.1	43.8
NCC04-14762R	38.9	46.4	42.7
NCC04-624	41.9	49.2	45.6
SC03-153RR	36.1	47.1	41.6
SC03-172RR	36.2	46.0	41.1
SC04-375RR	36.9	50.8	43.9
SC04-386RR	37.1	40.6	38.9
SC04-417RR	42.2	43.5	42.9
Mean	37.1	46.2	41.7
LSD(0.05)	6.3	4.4	7.8
CV(%)	9.8	5.8	10.9

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Calhoun, GA ‡	Clemson, SC ‡	Fairhope, AL	Plains, GA	Tallassee, AL(A) ‡	Tifton, GA	Area Mean
AGS758 RR	43.7	42.1	39.9	47.7	25.5	52.1	57.3	35.1	63.0	49.7
HASKELL RR	45.9	46.0	37.6	50.7	29.6	49.8	56.2	26.5	68.7	50.7
N7002	48.8	53.7	44.6	44.0	33.8	66.3	62.5	30.8	72.0	58.0
N02-7084	54.9	57.0	40.7	44.3	32.8	57.4	70.0	34.0	68.7	58.1
G03-1187 RR	47.8	44.9	41.2	55.3	28.5	57.3	63.4	31.3	66.0	53.4
G04-2215 RR	45.9	46.7	33.3	47.3	37.2	53.4	66.2	28.5	73.0	53.1
G04-2414 RR	50.2	48.4	34.8	54.0	28.5	50.1	63.8	31.2	75.3	53.8
G05-1200 RR	57.6	55.9	38.8	47.0	40.7	59.8	62.7	33.6	64.3	56.5
G05-1481 RR	47.4	50.9	37.2	34.3	38.3	38.7	64.6	29.8	67.3	51.0
G05-2324 RR	47.9	48.3	36.2	27.0	34.3	45.0	57.8	30.2	61.3	49.4
N01-11136	51.4	52.0	34.0	46.7	30.4	58.2	63.5	26.3	65.3	54.1
N01-11771	40.1	49.9	40.5	58.7	30.3	60.3	55.2	30.3	67.3	52.2
N01-11777	32.3	47.2	34.6	43.7	14.4	52.5	62.8	20.7	69.0	49.7
N05-7281	46.0	49.7	41.4	38.3	30.1	55.0	57.6	28.3	65.3	52.5
N05-7452	47.6	49.5	38.0	51.3	26.9	54.1	61.2	32.6	69.0	53.2
N05-7462	55.6	57.1	35.6	49.7	31.8	55.5	61.4	35.7	70.7	56.0
N06-7564	49.3	47.5	42.3	33.3	44.9	61.1	63.7	21.5	71.7	55.9
NCC04-14762R	51.7	51.8	41.7	45.3	28.7	47.5	65.9	31.4	72.7	55.2
NCC04-624	42.8	49.0	35.5	51.3	32.9	62.9	63.7	33.7	63.3	52.9
SC03-153RR	53.2	51.7	40.6	56.0	26.8	61.7	57.9	27.4	72.7	56.3
SC03-172RR	52.2	50.4	38.8	40.3	33.8	55.4	65.5	27.2	69.0	55.2
SC04-375RR	54.0	51.3	36.8	47.0	33.5	54.4	69.6	29.9	72.3	56.4
SC04-386RR	51.0	49.3	39.3	42.7	28.3	57.2	66.3	20.1	66.0	54.9
SC04-417RR	52.0	52.4	41.5	50.3	30.6	51.1	61.4	24.1	63.0	53.6
Mean	48.7	50.1	38.5	46.1	31.4	54.9	62.5	29.2	68.2	53.8
LSD(0.05)	6.6	6.1	8.9	14.8	8.1	11.2	7.6	8.0	9.2	4.6
CV(%)	8.3	7.5	14.1	19.5	15.7	12.2	7.4	16.7	8.2	10.8

‡Data not included in mean.

TABLE 81 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VII FOR YEAR 2009

West

STRAIN/ VARIETY	***Bossier City, LA***	***Area Mean***
AGS758 RR	44.3	44.3
HASKELL RR	44.5	44.5
N7002	44.3	44.3
N02-7084	49.0	49.0
G03-1187 RR	43.8	43.8
G04-2215 RR	37.8	37.8
G04-2414 RR	27.5	27.5
G05-1200 RR	47.3	47.3
G05-1481 RR	39.5	39.5
G05-2324 RR	42.3	42.3
N01-11136	31.5	31.5
N01-11771	35.7	35.7
N01-11777	39.3	39.3
N05-7281	34.3	34.3
N05-7452	48.0	48.0
N05-7462	35.3	35.3
N06-7564	37.3	37.3
NCC04-14762R	45.5	45.5
NCC04-624	42.5	42.5
SC03-153RR	37.2	37.2
SC03-172RR	38.2	38.2
SC04-375RR	47.8	47.8
SC04-386RR	26.7	26.7
SC04-417RR	41.3	41.3
Mean	40.0	40.0
LSD(0.05)	6.9	.
CV(%)	10.6	

TABLE 82 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	18.5	19.8	19.7	18.8	18.1	18.8	20.3	18.5	19.1
HASKELL RR	21.9	20.5	20.3	20.4	19.4	20.3	19.9	18.8	20.2
N7002	19.6	19.9	20.3	20.4	18.6	20.2	18.9	19.4	19.7
N02-7084	20.8	20.7	20.5	21.5	20.0	21.0	19.9	21.1	20.7
G03-1187 RR	20.0	20.9	20.1	19.9	19.5	20.3	19.6	19.4	20.0
G04-2215 RR	20.4	19.9	20.6	20.5	18.9	21.1	19.2	19.3	20.0
G04-2414 RR	21.1	20.6	19.9	20.2	20.7	19.7	19.2	18.8	20.0
G05-1200 RR	21.2	21.2	20.9	21.5	21.2	21.2	19.4	20.7	20.9
G05-1481 RR	18.8	20.0	19.3	18.9	18.2	19.3	18.4	17.9	18.8
G05-2324 RR	20.1	21.6	20.0	20.0	20.2	20.8	20.0	19.6	20.3
N01-11136	20.4	20.6	20.3	20.7	20.1	21.6	20.2	20.4	20.5
N01-11771	20.2	20.5	21.4	21.1	19.5	21.1	19.3	19.5	20.3
N01-11777	20.0	20.7	20.6	21.2	20.7	20.2	19.1	21.0	20.4
N05-7281	21.8	20.7	21.3	21.9	20.6	21.4	20.6	20.8	21.1
N05-7452	20.6	20.7	21.1	20.4	19.3	19.9	19.1	19.2	20.0
N05-7462	21.8	21.7	21.3	22.6	21.4	21.6	20.2	20.6	21.4
N06-7564	19.8	20.4	19.9	20.4	18.9	19.1	18.5	20.8	19.7
NCC04-14762R	20.4	19.8	20.0	20.5	19.8	19.5	19.0	19.5	19.8
NCC04-624	20.8	21.2	21.8	21.7	20.0	20.6	19.1	19.2	20.6
SC03-153RR	19.9	20.6	19.4	20.7	18.3	20.4	18.9	19.7	19.7
SC03-172RR	20.8	20.0	19.8	19.8	19.3	20.0	20.0	18.1	19.7
SC04-375RR	21.1	20.3	21.1	20.5	19.6	21.1	19.9	20.0	20.4
SC04-386RR	22.0	22.4	22.7	22.3	21.1	22.0	21.7	20.3	21.8
SC04-417RR	21.0	21.9	21.8	21.2	20.7	21.1	21.6	20.1	21.2
Mean	20.5	20.7	20.6	20.7	19.8	20.5	19.7	19.7	.

TABLE 83 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	40.2	38.1	37.6	42.6	41.3	41.8	38.8	43.5	40.5
HASKELL RR	41.4	40.0	36.7	41.2	40.4	40.0	39.5	42.3	40.2
N7002	40.2	41.0	38.8	42.2	41.5	40.9	40.6	42.1	40.9
N02-7084	38.8	39.4	36.5	41.2	39.7	40.3	39.0	41.8	39.6
G03-1187 RR	39.2	40.8	37.1	40.7	41.4	40.2	39.9	42.0	40.1
G04-2215 RR	37.7	37.3	34.6	40.1	39.4	38.5	39.8	41.2	38.6
G04-2414 RR	39.1	39.7	36.9	41.9	40.6	40.8	40.1	42.9	40.3
G05-1200 RR	39.5	40.2	37.3	41.2	41.8	41.9	41.2	43.1	40.8
G05-1481 RR	39.0	40.1	37.9	42.9	42.2	41.3	41.9	43.7	41.1
G05-2324 RR	39.0	39.7	37.7	42.1	40.7	40.4	40.5	42.8	40.4
N01-11136	38.7	40.0	37.8	40.4	40.9	41.2	40.5	41.7	40.1
N01-11771	39.4	38.4	35.9	40.1	41.5	40.6	39.7	41.8	39.7
N01-11777	40.1	38.7	37.1	39.9	41.9	40.8	40.0	42.2	40.1
N05-7281	38.9	39.4	38.4	41.4	40.2	40.5	40.3	41.4	40.1
N05-7452	39.9	40.0	37.6	41.6	41.7	41.0	40.4	43.0	40.6
N05-7462	38.7	38.8	36.3	40.1	40.1	39.3	40.4	41.8	39.4
N06-7564	40.5	40.2	38.9	41.1	41.9	42.1	40.9	42.7	41.0
NCC04-14762R	40.7	40.8	39.6	42.1	40.8	41.9	40.5	43.2	41.2
NCC04-624	39.8	41.0	38.7	40.9	39.8	40.5	39.4	43.0	40.4
SC03-153RR	37.4	39.1	37.0	40.4	40.7	39.1	37.8	41.7	39.1
SC03-172RR	40.2	41.0	39.3	42.7	41.5	41.1	40.0	44.1	41.2
SC04-375RR	40.0	40.2	38.7	41.6	41.2	40.7	40.1	42.2	40.6
SC04-386RR	37.9	38.1	34.5	40.0	39.9	40.2	36.4	41.4	38.6
SC04-417RR	40.0	39.4	35.7	41.0	39.7	41.0	36.6	42.1	39.4
Mean	39.4	39.6	37.4	41.2	40.9	40.7	39.8	42.4	.

TABLE 84 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Bossier City, LA	Calhoun, GA	Clemson, SC	Fairhope, AL	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Tifton, GA	Test Mean
AGS758 RR	12.1	14.1	.	14.0	15.3	13.5	14.9	14.8	14.5	12.0	11.7	16.5	13.9
HASKELL RR	15.4	16.7	.	16.5	16.9	15.0	16.8	15.2	16.8	15.0	12.6	17.7	15.9
N7002	12.8	15.3	.	14.2	17.6	13.3	15.8	12.4	14.9	11.3	11.2	16.1	14.1
N02-7084	15.1	17.1	.	17.0	18.6	15.3	18.1	16.7	18.1	16.5	13.6	18.8	16.8
G03-1187 RR	14.6	15.2	.	12.2	14.5	13.1	15.0	15.9	15.5	12.8	11.6	15.8	14.2
G04-2215 RR	11.8	14.2	.	10.9	12.6	11.5	12.6	13.2	13.1	11.1	10.1	13.1	12.2
G04-2414 RR	12.1	14.0	.	12.0	15.2	12.8	13.3	13.7	13.8	12.3	11.3	14.4	13.2
G05-1200 RR	13.6	15.0	.	14.0	13.4	13.3	14.3	15.1	14.7	13.4	12.2	15.9	14.1
G05-1481 RR	12.8	15.9	.	11.1	14.4	12.7	12.2	14.1	14.0	12.7	10.8	12.9	13.1
G05-2324 RR	15.3	16.1	.	13.3	13.2	14.3	13.8	15.2	15.3	13.4	12.2	14.5	14.2
N01-11136	17.4	19.9	.	15.7	18.2	16.8	19.8	15.5	19.2	16.7	13.5	19.7	17.5
N01-11771	14.2	15.6	.	14.0	15.9	13.2	16.2	13.4	15.8	13.0	11.7	15.3	14.4
N01-11777	14.6	17.1	.	13.7	17.8	15.3	18.1	18.2	17.2	14.0	12.5	18.1	16.1
N05-7281	15.4	17.8	.	15.2	15.4	16.2	17.0	16.2	17.4	15.0	13.3	18.9	16.2
N05-7452	11.2	12.9	.	11.9	14.0	11.2	12.5	12.5	12.2	10.6	10.0	13.5	12.1
N05-7462	16.4	18.2	.	16.4	17.0	16.7	18.3	15.6	16.5	14.9	14.2	18.0	16.6
N06-7564	13.7	16.3	.	13.6	17.6	17.0	16.8	14.2	16.3	13.5	12.2	17.0	15.3
NCC04-14762R	14.1	16.4	.	13.0	17.0	15.2	14.0	14.2	15.2	13.5	12.7	16.6	14.7
NCC04-624	12.7	14.0	.	13.4	14.7	13.4	14.7	12.4	12.8	11.5	12.2	14.1	13.3
SC03-153RR	13.4	14.5	.	12.5	16.6	12.6	16.0	13.7	14.9	12.9	10.7	15.2	13.9
SC03-172RR	14.9	15.8	.	13.2	17.5	13.8	15.4	14.5	15.8	13.6	11.6	15.2	14.7
SC04-375RR	17.3	18.0	.	14.9	17.6	16.1	17.2	15.5	17.0	14.5	13.1	18.1	16.3
SC04-386RR	13.1	14.9	.	12.0	13.7	12.8	15.1	13.1	14.9	11.9	9.9	15.0	13.3
SC04-417RR	13.8	16.1	.	13.9	13.6	14.0	13.5	14.5	14.2	12.3	12.3	15.0	13.9
Mean	14.1	15.9	.	13.7	15.8	14.1	15.5	14.6	15.4	13.3	12.0	16.1	.

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(A)*	*Plymouth, NC(A)*	*Area Mean*
AGS758 RR	10/30	10/27	10/28
HASKELL RR	4	1	2
N7002	4	0	2
N02-7084	5	1	3
G03-1187 RR	5	0	2
G04-2215 RR	4	3	3
G04-2414 RR	6	4	5
G05-1200 RR	3	0	1
G05-1481 RR	3	0	1
G05-2324 RR	4	1	2
N01-11136	4	1	2
N01-11771	2	1	2
N01-11777	4	1	2
N05-7281	5	3	4
N05-7452	4	0	2
N05-7462	1	0	1
N06-7564	0	0	0
NCC04-14762R	0	-2	-1
NCC04-624	3	0	1
SC03-153RR	4	2	3
SC03-172RR	7	12	11
SC04-375RR	3	0	1
SC04-386RR	5	5	5
SC04-417RR	6	1	3
Mean	4	1	2

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	10/21	10/29	10/28	10/21	10/30	10/19	.	10/23	10/19	10/24
HASKELL RR	4	3	4	-1	4	1	.	-5	6	2
N7002	4	4	6	-1	5	7	.	3	4	4
N02-7084	3	4	3	1	3	9	.	0	2	3
G03-1187 RR	7	4	4	-3	4	4	.	0	0	3
G04-2215 RR	3	4	4	-1	4	2	.	-5	4	2
G04-2414 RR	5	4	5	-3	6	3	.	-5	4	2
G05-1200 RR	2	3	3	-1	4	1	.	-5	-2	1
G05-1481 RR	1	3	4	-3	3	-1	.	-5	0	0
G05-2324 RR	2	4	1	-2	6	-1	.	3	-4	1
N01-11136	4	3	2	0	4	7	.	-8	2	2
N01-11771	2	3	2	-1	4	6	.	0	4	3
N01-11777	4	2	1	1	4	7	.	-5	4	2
N05-7281	5	4	2	-1	5	1	.	3	4	3
N05-7452	0	1	-1	-1	1	6	.	0	6	1
N05-7462	3	5	0	0	2	7	.	-4	6	2
N06-7564	2	1	-2	1	-2	-2	.	-9	0	-2
NCC04-14762R	0	0	0	-3	5	-2	.	-5	2	0
NCC04-624	2	4	-3	1	4	8	.	3	4	3
SC03-153RR	5	4	4	-1	4	7	.	-4	2	3
SC03-172RR	5	7	9	0	7	10	.	3	4	6
SC04-375RR	4	1	1	0	3	2	.	0	0	1
SC04-386RR	5	4	4	-1	2	10	.	0	4	4
SC04-417RR	4	3	4	-1	2	-2	.	-4	1	1
Mean	3	3	2	-1	4	4	.	-2	2	2

TABLE 85 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

West

STRAIN/ VARIETY	***Bossier City, LA***	***Area Mean***
AGS758 RR	10/26	10/26
HASKELL RR	0	0
N7002	-1	-1
N02-7084	0	0
G03-1187 RR	0	0
G04-2215 RR	0	0
G04-2414 RR	0	0
G05-1200 RR	0	0
G05-1481 RR	0	0
G05-2324 RR	0	0
N01-11136	-3	-3
N01-11771	-4	-4
N01-11777	-7	-7
N05-7281	-2	-2
N05-7452	-4	-4
N05-7462	-3	-3
N06-7564	-3	-3
NCC04-14762R	-3	-3
NCC04-624	-3	-3
SC03-153RR	0	0
SC03-172RR	-2	-2
SC04-375RR	0	0
SC04-386RR	-2	-2
SC04-417RR	1	1
Mean	-1	-2

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(A)*	*Plymouth, NC(A)*	*Area Mean*
AGS758 RR	29	43	36
HASKELL RR	35	50	43
N7002	29	48	39
N02-7084	32	42	37
G03-1187 RR	36	42	39
G04-2215 RR	28	41	35
G04-2414 RR	34	44	39
G05-1200 RR	32	44	38
G05-1481 RR	30	42	36
G05-2324 RR	40	45	43
N01-11136	27	40	34
N01-11771	22	41	32
N01-11777	19	40	30
N05-7281	33	42	38
N05-7452	36	42	39
N05-7462	34	44	39
N06-7564	26	42	34
NCC04-14762R	32	46	39
NCC04-624	26	35	31
SC03-153RR	27	46	37
SC03-172RR	32	42	37
SC04-375RR	25	44	35
SC04-386RR	34	42	38
SC04-417RR	37	46	42
Mean	31	43	.

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	31	25	31	38	36	35	36	38	34	34
HASKELL RR	36	32	35	48	44	36	39	43	37	39
N7002	30	31	32	33	37	33	37	37	35	34
N02-7084	31	29	29	39	35	30	37	37	32	33
G03-1187 RR	34	31	31	47	38	37	37	35	34	36
G04-2215 RR	29	26	23	44	34	34	33	32	36	32
G04-2414 RR	28	29	27	42	38	34	34	42	39	35
G05-1200 RR	28	33	29	40	36	36	38	38	35	35
G05-1481 RR	30	26	26	39	35	36	36	36	37	33
G05-2324 RR	41	30	34	52	45	39	46	49	43	42
N01-11136	27	29	26	33	34	30	33	35	33	31
N01-11771	28	28	24	35	37	29	33	34	29	31
N01-11777	28	31	27	31	34	32	34	35	29	31
N05-7281	29	28	26	36	33	33	32	34	33	32
N05-7452	29	27	25	33	34	32	31	32	31	30
N05-7462	30	29	33	38	42	28	33	40	34	34
N06-7564	32	29	30	36	37	33	37	35	35	34
NCC04-14762R	28	27	29	40	37	33	34	36	36	33
NCC04-624	26	25	23	32	31	28	29	32	30	29
SC03-153RR	34	32	29	36	39	35	36	42	34	35
SC03-172RR	35	33	32	43	40	34	41	41	39	37
SC04-375RR	31	30	25	46	37	36	40	35	34	35
SC04-386RR	29	30	28	38	37	33	37	38	35	34
SC04-417RR	29	27	28	36	36	37	36	40	37	34
Mean	31	29	28	39	37	33	36	37	35	.

TABLE 86 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
AGS758 RR	22	22
HASKELL RR	33	33
N7002	26	26
N02-7084	32	32
G03-1187 RR	26	26
G04-2215 RR	25	25
G04-2414 RR	25	25
G05-1200 RR	26	26
G05-1481 RR	31	31
G05-2324 RR	30	30
N01-11136	21	21
N01-11771	25	25
N01-11777	25	25
N05-7281	23	23
N05-7452	24	24
N05-7462	27	27
N06-7564	29	29
NCC04-14762R	27	27
NCC04-624	23	23
SC03-153RR	29	29
SC03-172RR	35	35
SC04-375RR	27	27
SC04-386RR	25	25
SC04-417RR	25	25
Mean	27	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

East

STRAIN/ VARIETY	*Kinston, NC(A)*	*Plymouth, NC(A)*	*Area Mean*
AGS758 RR	2.0	2.0	2.0
HASKELL RR	2.5	2.0	2.3
N7002	1.0	2.0	1.5
N02-7084	1.5	2.5	2.0
G03-1187 RR	1.5	2.0	1.8
G04-2215 RR	1.0	2.0	1.5
G04-2414 RR	1.0	2.0	1.5
G05-1200 RR	1.0	1.5	1.3
G05-1481 RR	1.0	1.5	1.3
G05-2324 RR	1.5	2.0	1.8
N01-11136	1.0	2.0	1.5
N01-11771	1.0	2.0	1.5
N01-11777	1.0	2.0	1.5
N05-7281	1.0	2.0	1.5
N05-7452	2.0	2.0	2.0
N05-7462	1.5	2.0	1.8
N06-7564	1.0	2.0	1.5
NCC04-14762R	2.0	2.0	2.0
NCC04-624	1.0	2.0	1.5
SC03-153RR	1.5	2.0	1.8
SC03-172RR	1.5	2.5	2.0
SC04-375RR	1.0	2.0	1.5
SC04-386RR	2.0	2.0	2.0
SC04-417RR	1.5	2.0	1.8
Mean	1.4	2.0	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

South

STRAIN/ VARIETY	*Athens, GA(A)*	*Athens, GA(B)*	*Blackville, SC(B)*	*Calhoun, GA*	*Clemson, SC*	*Fairhope, AL*	*Plains, GA*	*Tallassee, AL(A)*	*Tifton, GA*	*Area Mean*
AGS758 RR	2.0	1.0	1.7	3.7	.	2.7	1.0	2.0	3.0	2.1
HASKELL RR	2.0	1.7	2.2	4.3	.	3.0	1.0	2.3	2.3	2.4
N7002	1.0	1.0	1.8	3.7	.	2.7	1.0	1.0	1.7	1.7
N02-7084	1.0	1.0	1.0	3.7	.	2.7	1.3	2.7	3.0	2.0
G03-1187 RR	1.7	1.0	1.3	2.7	.	2.7	1.0	2.0	2.0	1.8
G04-2215 RR	1.0	1.0	1.0	4.0	.	2.3	1.0	1.3	1.0	1.6
G04-2414 RR	1.0	1.0	1.0	3.0	.	2.3	1.0	1.3	1.3	1.5
G05-1200 RR	1.0	1.0	1.0	1.7	.	2.3	1.0	1.0	1.3	1.3
G05-1481 RR	1.0	1.0	1.0	2.7	.	2.3	1.0	1.0	1.0	1.4
G05-2324 RR	2.0	1.0	1.7	3.7	.	3.0	1.7	2.0	3.0	2.3
N01-11136	1.0	1.0	1.5	2.3	.	2.7	1.0	1.0	1.7	1.5
N01-11771	1.0	1.0	1.0	3.0	.	2.7	1.0	1.3	1.0	1.5
N01-11777	1.3	1.0	1.0	3.7	.	3.0	1.0	2.3	2.3	2.0
N05-7281	1.0	1.0	1.3	1.0	.	3.0	1.0	1.0	1.7	1.4
N05-7452	1.0	1.0	1.0	3.0	.	3.0	1.0	1.0	1.3	1.5
N05-7462	1.3	1.0	2.2	3.0	.	3.3	1.0	2.0	2.3	2.0
N06-7564	1.3	1.0	1.3	2.7	.	4.0	1.0	2.0	2.7	2.0
NCC04-14762R	1.0	1.0	1.3	3.0	.	3.0	1.0	1.0	2.0	1.7
NCC04-624	1.0	1.0	1.0	1.7	.	1.0	1.0	1.0	1.7	1.2
SC03-153RR	1.3	1.0	1.3	3.3	.	2.7	1.3	2.0	1.7	1.8
SC03-172RR	1.3	1.0	1.0	3.7	.	3.0	1.0	1.0	2.7	1.8
SC04-375RR	1.0	1.0	1.0	3.7	.	4.0	1.3	2.0	2.3	2.0
SC04-386RR	1.0	1.0	1.0	3.3	.	3.3	1.0	1.0	2.7	1.8
SC04-417RR	1.3	1.0	1.0	3.7	.	3.0	1.0	1.3	1.0	1.7
Mean	1.2	1.0	1.3	3.1	.	2.8	1.1	1.5	1.9	.

TABLE 87 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
AGS758 RR	1.2	1.2
HASKELL RR	1.3	1.3
N7002	1.0	1.0
N02-7084	1.3	1.3
G03-1187 RR	1.3	1.3
G04-2215 RR	1.0	1.0
G04-2414 RR	1.0	1.0
G05-1200 RR	1.0	1.0
G05-1481 RR	1.0	1.0
G05-2324 RR	1.3	1.3
N01-11136	1.0	1.0
N01-11771	1.0	1.0
N01-11777	1.2	1.2
N05-7281	1.0	1.0
N05-7452	1.0	1.0
N05-7462	1.2	1.2
N06-7564	1.2	1.2
NCC04-14762R	1.0	1.0
NCC04-624	1.0	1.0
SC03-153RR	1.2	1.2
SC03-172RR	1.3	1.3
SC04-375RR	1.0	1.0
SC04-386RR	1.0	1.0
SC04-417RR	1.0	1.0
Mean	1.1	.

TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Calhoun, GA	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tifton, GA	Area Mean
AGS758 RR	1.8	1.5	.	2.2	.	2.5	2.3	2.8	1.7	2.1
HASKELL RR	1.7	1.5	.	1.7	.	2.0	1.7	2.7	1.7	1.8
N7002	1.8	1.5	.	2.2	.	1.5	2.0	1.8	1.5	1.8
N02-7084	1.8	1.7	.	2.0	.	2.2	2.0	4.0	2.3	2.3
G03-1187 RR	1.5	1.5	.	1.8	.	2.2	1.8	2.3	1.8	1.9
G04-2215 RR	1.7	1.5	.	1.8	.	2.2	1.7	2.5	1.5	1.8
G04-2414 RR	1.5	1.7	.	1.3	.	2.0	1.8	1.7	1.8	1.7
G05-1200 RR	1.5	1.5	.	1.7	.	1.5	1.7	3.0	1.8	1.8
G05-1481 RR	1.5	1.5	.	2.0	.	2.8	1.8	2.2	1.8	2.0
G05-2324 RR	1.5	1.5	.	1.7	.	2.5	1.8	2.3	1.5	1.8
N01-11136	1.8	1.8	.	1.8	.	2.7	2.7	2.8	1.5	2.2
N01-11771	1.7	1.7	.	2.0	.	2.0	2.5	2.2	1.7	2.0
N01-11777	2.2	2.3	.	2.5	.	2.3	2.7	3.2	2.2	2.5
N05-7281	1.7	1.7	.	2.2	.	1.7	2.0	2.2	1.5	1.8
N05-7452	1.5	1.5	.	1.8	.	2.7	2.2	2.0	1.5	1.9
N05-7462	1.8	1.5	.	2.3	.	2.0	1.8	2.2	1.3	1.9
N06-7564	1.8	1.5	.	2.2	.	3.0	2.2	2.8	1.8	2.2
NCC04-14762R	2.0	1.7	.	1.8	.	3.0	2.3	2.7	1.5	2.1
NCC04-624	2.0	1.5	.	1.8	.	2.3	1.8	2.5	1.8	2.0
SC03-153RR	1.5	1.5	.	1.8	.	2.2	1.7	3.3	1.3	1.9
SC03-172RR	1.5	1.5	.	1.8	.	2.3	2.0	1.7	1.5	1.8
SC04-375RR	1.5	1.5	.	2.0	.	2.7	1.7	2.2	1.7	1.9
SC04-386RR	1.8	1.5	.	1.7	.	2.0	1.8	3.0	1.2	1.9
SC04-417RR	1.5	1.5	.	1.7	.	2.3	1.5	2.2	1.5	1.7
Mean	1.7	1.6	.	1.9	.	2.3	2.0	2.5	1.6	.

TABLE 88 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII FOR YEAR 2009

West

STRAIN/ VARIETY	*Bossier City, LA*	*Area Mean*
AGS758 RR	1.0	1.0
HASKELL RR	1.0	1.0
N7002	1.0	1.0
N02-7084	1.0	1.0
G03-1187 RR	1.0	1.0
G04-2215 RR	1.0	1.0
G04-2414 RR	1.0	1.0
G05-1200 RR	1.0	1.0
G05-1481 RR	1.0	1.0
G05-2324 RR	1.0	1.0
N01-11136	1.0	1.0
N01-11771	1.0	1.0
N01-11777	1.0	1.0
N05-7281	1.0	1.0
N05-7452	1.0	1.0
N05-7462	1.0	1.0
N06-7564	1.0	1.0
NCC04-14762R	1.0	1.0
NCC04-624	1.0	1.0
SC03-153RR	1.0	1.0
SC03-172RR	1.0	1.0
SC04-375RR	1.0	1.0
SC04-386RR	1.0	1.0
SC04-417RR	1.0	1.0
Mean	1.0	.

INTENTIONALLY BLANK

TABLE 89 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	**AGS758 RR**	Commercial check		
2	**HASKELL RR**	(Johnson x Braxton) x RR		
3	**N7002**	N7001 × Cook	F4	
4	**N02-7084**	Cook × Anand		
5	**G06-1377 RR**	G99-2192 X Boggs RR	F5d	
6	**G06-2843 RR**	G98-1420 X H7242 RR	F5d	
7	**G06-2957 RR**	G99-4158 X P97M50	F5d	
8	**G06-3182 RR**	G99-4158 X P97M50	F5d	
9	**G07-2941 RR**	G00-3083 X AGS758RR	F5d	
10	**G07-3055 RR**	G00-3083 X AGS758RR	F5d	
11	**N02-7834**	Cook x Archer (I)	F4	50 % Archer which is Group 1
12	**N02-8951**	N96-6730 X N96-6732	F4	25% Suzuyataka, 25% Nakasennari
13	**N04-8947**	N96-6894 X N97-9812	F4	50% PI 416937
14	**N04-9859**	N94-7440 X N96-6733	F4	12.5% Suzuyataka, 12.5% Nakasennari, 12.5% unknown small seeded PI
15	**N05-7260**	N96-6809 x N96-7031	F4	50% PI 416937
16	**N05-7396**	N7002 x N98-7265	F4	12.5% PI 416937, 25% PI 471938
17	**N06-7535**	NC Roy x N8001	F4	12.5% PI 416937
18	**NCC06-5732R**	TN99-184xNC ROY RR, BC4F2	F4:8	
19	**NCC06-5754R**	TN99-184xNC ROY RR, BC4F2	F4:8	
20	**NCC06-7018R**	N97-9612xNC ROY RR, BC4F2	F4:8	
21	**NCC06-899**	R97-1634xN97-9693	F4:8	
22	**NCC06-929**	R97-1634xN97-9693	F4:8	
23	**SC06-301RR**	N97-9658/SC01-783RR	F5	
24	**SC06-334RR**	N97-9658/SC01-783RR	F5	
25	**SC06-337RR**	N97-9658/SC01-783RR	F5	
26	**SC06-387RR**	SC01-783RR/G00-3213	F5	
27	**SC06-388RR**	SC01-783RR/G00-3213	F5	
28	**SC06-407RR**	SC01-783RR/G00-3213	F5	

TABLE 90 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST VII FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
AGS758RR	39.7	26	22	0	1.8	35	2.3	12.8	40.4	18.9	3	1	5	R	1			
HASKELL RR	43.6	17	16	3	2.3	42	1.9	14.8	40.0	19.7	5	5	5	R	1			
N7002	47.6	5	8	2	1.6	34	1.9	13.3	41.5	19.9	5	5	5	MS	4	P	G	TAN
N02-7084	47.9	3	8	3	1.7	35	2.3	15.7	40.1	20.2	1	3	1	R	1			
G06-1377 RR	38.0	28	26	1	2.5	38	1.9	14.1	40.9	20.8	5	5	5	S	5	W	T	T
G06-2843 RR	44.4	15	15	-1	1.8	39	2.3	14.2	42.4	20.1	4	2	5	R	1	P	T	T
G06-2957 RR	46.6	8	9	0	1.7	37	2.2	12.4	40.0	20.0	1	1	3	SS	3	W	T	T
G06-3182 RR	49.2	1	8	-1	1.6	34	1.9	13.5	39.3	19.5	2	1	5	R	1	P	T	T
G07-2941 RR	42.2	23	20	5	2.0	39	1.7	12.6	41.2	19.0	4	1	5	R	1	P	T	T
G07-3055 RR	43.4	18	16	1	1.8	38	2.5	14.3	41.1	19.5	5	1	5	R	1	P	T	T
N02-7834	44.9	13	13	1	1.4	33	2.2	15.2	41.1	19.7	5	5	5	R	1	P	T	
N02-8951	42.9	21	17	2	1.4	33	1.9	18.1	42.0	20.1	5	4	5	R	1	P	G	
N04-8947	40.2	25	20	5	1.4	33	2.1	14.0	39.5	21.1	5	3	5	R	1	P	G	
N04-9859	48.7	2	7	4	1.5	33	1.8	13.3	41.7	20.0	5	4	5	R	1	P	G	
N05-7260	44.5	14	15	5	1.4	31	2.1	14.5	40.1	20.3	5	5	5	R	1	P	G	
N05-7396	47.8	4	7	3	1.8	37	1.7	14.8	41.3	20.9	5	5	5	R	1	W	G	
N06-7535	45.0	11	13	1	1.6	38	2.2	14.1	42.1	19.6	5	5	5	R	1	P	G	
NCC06-5732R	44.0	16	15	2	1.2	30	2.2	14.0	41.7	20.0	5	5	5	R	1	W	G	T
NCC06-5754R	45.0	12	13	0	1.4	32	1.9	13.6	40.7	20.3	5	5	4	R	1	S	G	T
NCC06-7018R	46.4	9	11	4	2.0	35	2.1	13.4	41.3	19.4	5	5	5	R	1	W	G	B
NCC06-899	46.7	7	11	2	2.3	35	2.1	14.6	40.6	20.9	5	4	5	R	1	W	G	T
NCC06-929	47.0	6	8	6	1.5	34	2.2	15.8	40.4	20.8	5	5	5	S	5	W	G	T
SC06-301RR	45.1	10	15	6	1.7	38	1.7	12.7	41.2	19.9	5	3	4	R	1	P	G	T
SC06-334RR	42.4	22	18	9	1.7	40	1.9	14.8	41.7	19.9	5	5	5	R	1	P	G	T
SC06-337RR	39.5	27	24	8	1.7	41	2.0	12.9	40.5	20.3	5	4	4	R	1	P	G	T
SC06-387RR	43.2	20	16	6	1.4	39	2.2	14.1	41.8	20.2	5	2	4	S	5	P	T	T
SC06-388RR	41.9	24	20	6	1.6	42	2.3	15.7	41.9	19.0	5	2	4	R	1	P	T	T
SC06-407RR	43.4	19	17	5	1.3	40	2.1	13.6	41.7	19.3	5	1	5	SS	3	P	T	T
Mean	44.3	.	.	3	1.7	36	2.1	14.2	41.0	20.0	.	.	.		.			
LSD(0.05)	4.8	.	.	3	0.5	3	0.5	1.1	1.0	0.7	.	.	.		.			
CV(%)	11.3	.	.	78	32.1	9	19.1	6.1	1.9	2.7	.	.	.		.			

TABLE 91 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	39.9	32.1	56.0	40.5	29.4	39.7
HASKELL RR	46.3	42.3	54.6	44.1	31.0	43.6
N7002	50.7	40.9	61.2	51.4	33.4	47.6
N02-7084	49.5	45.7	64.2	52.0	28.6	47.9
G06-1377 RR	41.6	30.3	55.7	37.3	24.5	38.0
G06-2843 RR	54.9	37.6	52.7	48.0	28.5	44.4
G06-2957 RR	51.1	36.5	64.6	45.0	34.9	46.6
G06-3182 RR	59.5	41.0	66.5	46.6	31.8	49.2
G07-2941 RR	45.0	36.3	59.9	42.9	26.8	42.2
G07-3055 RR	47.5	33.3	57.9	44.7	32.4	43.4
N02-7834	49.3	41.5	59.5	48.2	26.1	44.9
N02-8951	47.4	36.0	57.2	44.4	29.3	42.9
N04-8947	37.6	41.6	58.8	44.0	20.9	40.2
N04-9859	46.9	48.8	66.6	47.3	34.5	48.7
N05-7260	45.0	42.0	66.7	42.4	26.4	44.5
N05-7396	51.5	41.1	64.4	47.5	34.0	47.8
N06-7535	55.7	40.1	63.4	47.7	18.1	45.0
NCC06-5732R	43.1	40.8	60.3	47.3	28.7	44.0
NCC06-5754R	43.0	48.4	60.8	48.9	25.1	45.0
NCC06-7018R	56.1	36.2	64.5	48.4	26.0	46.4
NCC06-899	47.0	39.8	60.7	52.9	32.4	46.7
NCC06-929	49.7	42.6	62.5	52.3	28.0	47.0
SC06-301RR	54.6	39.7	55.0	43.7	32.3	45.1
SC06-334RR	46.6	43.3	52.5	42.7	27.7	42.4
SC06-337RR	44.3	39.9	53.0	39.3	22.0	39.5
SC06-387RR	47.2	46.5	57.2	44.6	21.3	43.2
SC06-388RR	50.9	35.5	53.8	43.7	25.4	41.9
SC06-407RR	49.5	41.1	57.9	43.5	25.1	43.4
Mean	48.3	40.0	59.6	45.8	28.0	44.3
LSD(0.05)	6.7	7.5	7.5	6.4	6.2	4.8
CV(%)	8.5	9.1	7.7	8.2	13.4	11.3

TABLE 92 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	19.0	18.5	19.0	19.4	18.5	18.9
HASKELL RR	20.0	19.4	20.3	20.1	18.6	19.7
N7002	20.8	20.2	19.8	19.6	19.0	19.9
N02-7084	21.0	19.2	21.0	19.6	20.5	20.2
G06-1377 RR	21.9	20.5	21.3	19.8	20.4	20.8
G06-2843 RR	21.7	19.7	19.9	19.3	20.1	20.1
G06-2957 RR	21.5	19.9	20.0	19.6	19.1	20.0
G06-3182 RR	20.5	18.9	19.6	19.3	19.4	19.5
G07-2941 RR	20.1	18.0	19.7	18.5	19.1	19.0
G07-3055 RR	20.3	18.8	19.3	19.0	19.9	19.5
N02-7834	20.4	18.6	19.8	19.7	19.8	19.7
N02-8951	20.6	19.0	20.6	20.2	20.0	20.1
N04-8947	22.1	20.2	21.6	21.0	20.6	21.1
N04-9859	21.3	20.4	19.8	19.0	19.5	20.0
N05-7260	20.7	20.5	20.5	19.7	20.2	20.3
N05-7396	21.7	21.0	20.4	20.9	20.4	20.9
N06-7535	20.1	19.3	20.3	20.5	18.0	19.6
NCC06-5732R	20.8	19.1	20.6	20.0	19.6	20.0
NCC06-5754R	21.1	20.2	20.6	19.9	19.9	20.3
NCC06-7018R	20.2	19.3	19.9	19.3	18.4	19.4
NCC06-899	21.2	21.4	21.7	20.1	20.3	20.9
NCC06-929	21.4	20.1	21.5	20.5	20.4	20.8
SC06-301RR	21.1	20.3	20.0	19.2	19.1	19.9
SC06-334RR	20.1	18.6	20.3	21.3	19.4	19.9
SC06-337RR	21.1	20.4	21.0	19.9	19.0	20.3
SC06-387RR	21.3	18.7	21.4	20.1	19.3	20.2
SC06-388RR	19.3	18.9	20.0	18.5	18.5	19.0
SC06-407RR	20.4	19.2	20.1	18.9	18.2	19.3
Mean	20.8	19.6	20.3	19.7	19.5	.

TABLE 93 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	40.0	40.4	41.1	37.5	42.8	40.4
HASKELL RR	39.2	41.4	40.8	36.7	41.9	40.0
N7002	40.9	42.2	41.2	41.0	42.0	41.5
N02-7084	38.3	42.1	39.5	39.0	41.5	40.1
G06-1377 RR	41.5	41.6	39.0	38.5	43.6	40.9
G06-2843 RR	40.7	43.6	41.7	42.0	44.2	42.4
G06-2957 RR	37.9	40.1	39.9	39.5	42.6	40.0
G06-3182 RR	37.8	40.1	39.2	38.8	40.7	39.3
G07-2941 RR	39.0	42.9	40.6	40.9	42.4	41.2
G07-3055 RR	39.6	42.0	41.0	40.8	42.1	41.1
N02-7834	40.1	42.4	40.2	39.9	43.0	41.1
N02-8951	40.5	43.1	41.5	40.9	44.1	42.0
N04-8947	37.5	39.7	40.4	39.4	40.6	39.5
N04-9859	40.6	43.0	41.0	41.3	42.8	41.7
N05-7260	38.6	40.3	40.0	40.5	41.2	40.1
N05-7396	40.3	42.3	41.2	40.1	42.5	41.3
N06-7535	40.1	42.2	41.8	40.7	45.6	42.1
NCC06-5732R	39.8	42.8	41.4	40.7	44.0	41.7
NCC06-5754R	39.8	40.8	41.1	39.9	42.0	40.7
NCC06-7018R	39.8	41.1	40.6	41.2	43.9	41.3
NCC06-899	39.5	39.5	40.8	40.3	42.8	40.6
NCC06-929	38.7	41.2	39.6	39.9	42.5	40.4
SC06-301RR	39.5	41.5	40.4	41.4	43.3	41.2
SC06-334RR	39.8	42.5	41.3	41.6	43.3	41.7
SC06-337RR	39.5	41.1	39.5	39.7	42.5	40.5
SC06-387RR	40.0	43.2	41.3	41.8	42.9	41.8
SC06-388RR	40.6	42.5	41.2	41.6	43.9	41.9
SC06-407RR	39.9	41.9	41.1	41.5	44.3	41.7
Mean	39.6	41.7	40.7	40.3	42.8	.

TABLE 94 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	12.9	12.7	15.0	11.8	11.7	12.8
HASKELL RR	15.7	15.3	16.1	13.6	13.2	14.8
N7002	13.8	13.0	14.8	13.3	11.7	13.3
N02-7084	16.7	16.1	17.7	16.1	12.0	15.7
G06-1377 RR	13.9	14.4	13.9	15.6	12.6	14.1
G06-2843 RR	15.4	15.7	15.1	14.0	10.8	14.2
G06-2957 RR	13.1	13.0	13.8	11.7	10.3	12.4
G06-3182 RR	13.5	13.4	14.0	12.1	14.7	13.5
G07-2941 RR	13.1	14.0	13.2	11.5	11.5	12.6
G07-3055 RR	15.9	14.0	15.2	13.8	12.7	14.3
N02-7834	16.2	16.1	16.9	15.4	11.4	15.2
N02-8951	19.6	17.1	20.0	18.5	15.4	18.1
N04-8947	15.3	13.8	16.0	13.6	11.3	14.0
N04-9859	14.0	13.4	14.3	13.2	11.5	13.3
N05-7260	15.0	14.6	16.4	14.4	12.0	14.5
N05-7396	15.3	14.5	16.2	14.3	13.7	14.8
N06-7535	15.9	12.9	16.7	14.4	10.5	14.1
NCC06-5732R	14.5	13.9	16.2	12.8	12.7	14.0
NCC06-5754R	14.7	12.6	15.9	12.6	12.0	13.6
NCC06-7018R	15.2	12.9	15.4	13.3	10.4	13.4
NCC06-899	16.1	13.4	16.2	14.5	12.7	14.6
NCC06-929	16.1	17.0	17.7	15.4	13.0	15.8
SC06-301RR	14.6	13.5	13.7	11.8	10.1	12.7
SC06-334RR	16.4	13.8	15.6	15.7	12.3	14.8
SC06-337RR	14.4	12.4	14.0	13.0	10.5	12.9
SC06-387RR	15.0	14.2	15.7	14.9	10.9	14.1
SC06-388RR	17.7	15.9	17.2	14.7	13.0	15.7
SC06-407RR	15.0	14.1	14.2	13.6	10.8	13.6
Mean	15.2	14.2	15.6	13.9	12.0	.

TABLE 95 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	10/22	11/1	.	10/25	10/20	10/25
HASKELL RR	2	3	.	3	3	3
N7002	3	3	.	4	0	2
N02-7084	2	6	.	3	3	3
G06-1377 RR	1	6	.	1	-1	1
G06-2843 RR	-1	3	.	1	-5	-1
G06-2957 RR	0	-3	.	2	-1	0
G06-3182 RR	1	1	.	1	-5	-1
G07-2941 RR	8	6	.	7	-1	5
G07-3055 RR	6	3	.	3	-5	1
N02-7834	0	3	.	1	-1	1
N02-8951	2	2	.	1	3	2
N04-8947	4	6	.	7	3	5
N04-9859	2	6	.	4	6	4
N05-7260	7	6	.	3	6	5
N05-7396	6	2	.	3	3	3
N06-7535	5	1	.	4	-5	1
NCC06-5732R	1	2	.	1	3	2
NCC06-5754R	1	0	.	2	-1	0
NCC06-7018R	6	2	.	4	3	4
NCC06-899	3	-2	.	2	3	2
NCC06-929	7	6	.	6	6	6
SC06-301RR	9	6	.	7	3	6
SC06-334RR	11	6	.	14	6	9
SC06-337RR	9	6	.	13	6	8
SC06-387RR	10	6	.	9	-1	6
SC06-388RR	8	6	.	9	3	6
SC06-407RR	10	6	.	6	-1	5
Mean	4	4	.	4	1	.

TABLE 96 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	30	35	37	38	33	35
HASKELL RR	36	42	44	50	38	42
N7002	31	36	37	42	29	34
N02-7084	30	36	39	36	31	35
G06-1377 RR	32	35	44	39	34	38
G06-2843 RR	32	42	42	44	38	39
G06-2957 RR	32	36	40	41	35	37
G06-3182 RR	29	35	36	42	30	34
G07-2941 RR	35	39	45	44	31	39
G07-3055 RR	37	36	42	39	32	38
N02-7834	27	30	35	38	31	33
N02-8951	26	34	35	40	30	32
N04-8947	25	32	36	38	32	33
N04-9859	27	32	37	42	30	33
N05-7260	26	28	35	36	29	31
N05-7396	34	42	41	44	31	37
N06-7535	31	38	42	48	34	38
NCC06-5732R	22	34	33	40	26	30
NCC06-5754R	26	34	34	40	29	32
NCC06-7018R	30	30	38	34	37	35
NCC06-899	29	36	35	46	34	35
NCC06-929	27	34	37	41	30	33
SC06-301RR	30	37	42	44	35	38
SC06-334RR	33	38	46	44	38	40
SC06-337RR	33	40	45	43	43	41
SC06-387RR	34	42	44	42	34	39
SC06-388RR	37	40	44	44	41	42
SC06-407RR	34	38	45	44	37	40
Mean	31	36	40	42	33	.

TABLE 97 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Kinston, NC(A)	Plains, GA	Plymouth, NC(A)	Tallassee, AL(A)	Test Mean
AGS758 RR	2.3	2.0	1.0	2.5	1.3	1.8
HASKELL RR	2.3	2.0	1.7	3.0	2.3	2.3
N7002	1.0	1.0	1.7	3.0	1.3	1.6
N02-7084	1.3	2.0	1.3	3.5	1.0	1.7
G06-1377 RR	2.0	3.5	1.3	3.0	3.0	2.5
G06-2843 RR	1.7	2.0	1.0	2.0	2.0	1.8
G06-2957 RR	1.0	1.0	1.3	3.0	2.0	1.7
G06-3182 RR	1.0	2.0	1.0	3.0	1.3	1.6
G07-2941 RR	2.3	2.0	1.0	4.0	1.3	2.0
G07-3055 RR	2.0	1.0	1.0	3.0	1.7	1.8
N02-7834	1.0	1.0	1.0	3.0	1.0	1.4
N02-8951	1.0	1.0	1.0	3.0	1.0	1.4
N04-8947	1.0	1.0	1.0	3.0	1.3	1.4
N04-9859	1.0	2.0	1.0	3.0	1.0	1.5
N05-7260	1.0	1.0	1.0	2.5	1.3	1.4
N05-7396	2.0	1.0	1.0	3.0	1.7	1.8
N06-7535	1.0	1.0	1.7	3.0	1.3	1.6
NCC06-5732R	1.0	1.0	1.0	2.0	1.0	1.2
NCC06-5754R	1.0	1.0	1.0	3.0	1.0	1.4
NCC06-7018R	1.7	1.0	2.3	3.0	1.3	2.0
NCC06-899	2.0	1.0	1.3	3.5	3.0	2.3
NCC06-929	1.0	1.0	1.3	3.0	1.3	1.5
SC06-301RR	1.3	2.0	1.3	2.5	1.3	1.7
SC06-334RR	1.3	1.0	1.3	3.0	1.7	1.7
SC06-337RR	1.3	1.0	1.3	3.0	1.7	1.7
SC06-387RR	1.3	1.0	1.0	3.0	1.0	1.4
SC06-388RR	1.3	2.0	1.0	2.0	1.7	1.6
SC06-407RR	1.0	1.5	1.0	2.0	1.0	1.3
Mean	1.4	1.4	1.2	2.9	1.5	.

TABLE 98 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Kinston, NC(A)*	*Plains, GA*	*Plymouth, NC(A)*	*Tallassee, AL(A)*	*Test Mean*
AGS758 RR	2.2	.	2.0	.	2.8	2.3
HASKELL RR	1.8	.	1.5	.	2.5	1.9
N7002	1.5	.	1.8	.	2.5	1.9
N02-7084	2.0	.	2.0	.	2.8	2.3
G06-1377 RR	1.7	.	1.5	.	2.5	1.9
G06-2843 RR	2.2	.	2.2	.	2.7	2.3
G06-2957 RR	1.7	.	2.2	.	2.7	2.2
G06-3182 RR	1.7	.	1.7	.	2.5	1.9
G07-2941 RR	1.7	.	1.5	.	2.0	1.7
G07-3055 RR	2.3	.	2.2	.	3.0	2.5
N02-7834	2.3	.	2.0	.	2.3	2.2
N02-8951	2.2	.	1.7	.	1.8	1.9
N04-8947	2.2	.	1.5	.	2.5	2.1
N04-9859	2.0	.	1.8	.	1.5	1.8
N05-7260	2.2	.	2.0	.	2.0	2.1
N05-7396	1.7	.	2.0	.	1.5	1.7
N06-7535	1.8	.	1.8	.	3.0	2.2
NCC06-5732R	2.2	.	1.8	.	2.5	2.2
NCC06-5754R	2.2	.	2.0	.	1.7	1.9
NCC06-7018R	2.2	.	2.2	.	2.0	2.1
NCC06-899	2.2	.	2.0	.	2.0	2.1
NCC06-929	2.3	.	2.2	.	2.0	2.2
SC06-301RR	1.5	.	1.7	.	2.0	1.7
SC06-334RR	1.7	.	2.2	.	2.0	1.9
SC06-337RR	2.0	.	1.8	.	2.2	2.0
SC06-387RR	2.0	.	2.0	.	2.7	2.2
SC06-388RR	2.0	.	2.3	.	2.5	2.3
SC06-407RR	2.3	.	1.7	.	2.2	2.1
Mean	2.0	.	1.9	.	2.3	.

TABLE 99 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	SC01-803 RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}		
2	97M50	G93-2225(6) X RR		
3	N8001	N7001 × Cook	F4	
4	AU02-0137	NC-Roy × G92-1110		
5	AU02-3223	NC-Raleigh × G92-1110		
6	G04-1618 RR	PRICHARD-RR X SC96-1476	F5d	
7	G04-3248 RR	BOGGS-RR X G93-2225	F6d	
8	G05-1209 RR	G98-1420 X H7242 RR	F5d	
9	G05-2468 RR	G98-2641 X H7242 RR	F5d	
10	G05-2505 RR	G98-2641 X H7242 RR	F5d	
11	G05-3758 RR	Prichard-RR X G94-3117	F6d	
12	G05-4237 RR	Prichard-RR X G94-3117	F6d	
13	N04-8801	N98-7893 x N96-6717	F4	12.5% PI 416937,12.5% Suzuyataka, 25% Nakasennari
14	N04-8814	N98-7893 x N93-7133	F4	25% Enrei, 12.5% PI 416937, 12.5% Nakasennari
15	N04-8830	N98-7893 x NTC93PR-646	F4	12.5% PI 416937, 25% Suzuyataka, 12.5% Nakasennari
16	N04-8866	NTCPR96-1215 x N96-6717	F4	25% Tanbaguro, 12.5% Suzuyataka, 12.5% Nakasennari
17	N04-8884	NTCPR96-1215 x NTCPR93-646	F4	25% Tanbaguro, 25% Suzuyataka
18	N05-7085	N94-7350 x N96-6717	F4	37.5% Suzuyataka, 12.5% Nakasennari
19	N05-7432	N7002 x N98-7265	F4	12.5% PI 416937, 25% PI 471938
20	SC03-061RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC$_1$RESNIKRR]})	F5	
21	SC03-062RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC$_1$RESNIKRR]})	F5	
22	SC04-306RR	SC94-1075/SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5	
23	SC05-598RR	SC00-579RR/N97-9658	F5	
24	SC05-642RR	SC00-603RR/SC94-1573	F5	

TABLE 100 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2009

STRAIN/	AVERAGE		YIELD ‡			PROTEIN ‡			OIL ‡		
VARIETY	RANK	RANK	2009	08-09	07-09	2009	08-09	07-09	2009	08-09	07-09
SC01-803 RR	12	12	43.5	.	.	42.7	.	.	19.4	.	.
97M50	14	12	43.3	44.5	45.3	41.3	41.6	41.5	18.4	18.9	19.5
N8001	17	12	43.0	45.0	45.7	41.6	41.6	40.8	19.7	19.9	19.9
AU02-0137	7	11	44.1	45.0	.	40.3	40.4	.	19.2	19.2	.
AU02-3223	4	10	44.8	45.8	46.9	40.8	40.8	40.3	19.9	19.8	20.5
G04-1618 RR	1	10	45.1	46.8	.	41.2	41.3	.	19.7	19.7	.
G04-3248 RR	24	19	38.6	42.4	.	41.3	41.3	.	17.9	18.2	.
G05-1209 RR	2	8	45.0	.	.	41.7	.	.	20.1	.	.
G05-2468 RR	13	12	43.4	.	.	41.4	.	.	20.2	.	.
G05-2505 RR	19	15	41.7	.	.	41.7	.	.	19.9	.	.
G05-3758 RR	15	13	43.2	.	.	42.4	.	.	18.3	.	.
G05-4237 RR	16	12	43.1	.	.	41.8	.	.	19.5	.	.
N04-8801	9	12	43.9	.	44.2	40.5	.	39.8	20.4	.	20.3
N04-8814	20	15	41.0	43.3	.	42.5	42.4	.	20.4	20.6	.
N04-8830	23	18	38.8	.	40.1	40.5	.	40.3	20.8	.	21.1
N04-8866	22	16	40.3	.	40.4	41.7	.	41.3	20.0	.	20.4
N04-8884	21	16	40.6	.	.	41.3	.	.	20.1	.	.
N05-7085	18	13	42.8	.	.	40.7	.	.	20.0	.	.
N05-7432	3	9	44.8	47.5	.	41.4	41.5	.	20.1	19.9	.
SC03-061RR	5	11	44.3	45.4	45.8	39.7	39.6	39.1	20.7	21.1	21.8
SC03-062RR	10	11	43.7	46.5	47.6	39.8	39.7	39.0	20.7	20.8	21.5
SC04-306RR	8	10	44.1	45.9	.	41.6	41.9	.	20.0	20.1	.
SC05-598RR	11	13	43.5	.	.	42.6	.	.	19.4	.	.
SC05-642RR	6	11	44.2	.	.	40.2	.	.	20.2	.	.
Mean	.	.	43.0	.	.	41.3	.	.	19.8	.	.
LSD(0.05)	.	.	3.5	.	.	0.6	.	.	0.5	.	.
CV(%)	.	.	12.9	.	.	1.5	.	.	2.8	.	.

‡Data not included in mean: 2009 - Kinston, NC(A) (Only yield was omitted)
2007- Clemson, SC; Tallassee, AL(A); Tallassee, AL(B)

TABLE 101 - GENERAL SUMMARY OF BOTANICAL TRAITS FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2009

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL. COLOR	PUB. COLOR	POD COLOR
SC01-803 RR	0	1.3	36	2.0	15.6			
97M50	-1	1.6	33	2.1	14.2			
N8001	0	1.8	34	2.3	16.5	P	G	TAN
AU02-0137	-2	1.4	33	2.1	13.9	P	LT	
AU02-3223	1	1.7	35	2.2	14.9	W	T	
G04-1618 RR	-1	1.8	34	2.0	13.6	W	G	T
G04-3248 RR	2	1.7	34	1.9	12.6	W	T	T
G05-1209 RR	-1	1.4	39	2.0	13.1	P	T	T
G05-2468 RR	-1	1.6	35	2.0	13.5	P	T	T
G05-2505 RR	-1	1.6	36	2.2	14.4	P	T	T
G05-3758 RR	1	1.6	36	2.0	12.9	W	G	T
G05-4237 RR	1	1.4	34	1.9	14.6	W	G	T
N04-8801	0	2.0	37	2.0	19.5	P	G	
N04-8814	2	1.4	32	1.8	16.9	P	G	
N04-8830	2	1.6	33	1.9	18.8	P	G	
N04-8866	0	1.6	32	2.1	24.1	P	G	
N04-8884	3	2.0	32	2.0	20.8	M	G	
N05-7085	1	1.7	31	1.7	19.7	P	G	
N05-7432	2	1.7	32	2.0	15.8	P	G	
SC03-061RR	2	1.7	35	1.9	14.9	W	G	TAN
SC03-062RR	3	2.0	34	2.2	14.9	W	G	TAN
SC04-306RR	3	1.3	36	1.9	14.6	W	G	TAN
SC05-598RR	1	1.4	37	1.8	14.8	W	G	TAN
SC05-642RR	1	1.3	35	1.8	14.4	W	G	TAN
Mean	1	1.6	34	2.0	15.8			
LSD(0.05)	2	0.3	2	0.3	0.8			
CV(%)	352	31.0	10	19.0	5.5			

TABLE 102 - GENERAL SUMMARY OF PEST REACTION FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2009

STRAIN/ VARIETY	SCN HG TYPE 1.2.5.7 Race 2	SCN HG TYPE 5.7 Race 3	SCN HG TYPE 1.3.5.6.7 Race 14	PRK GA	SRK GA	SMV G1 REACTION	SC RATING	SC SCORE	SDS DX
SC01-803 RR	5	1	5	5.0	1.5	R	MS	4	.
97M50	5	4	5	5.0	1.8	R	R	1	.
N8001	5	5	5	5.0	2.0	R	MS	4	.
AU02-0137	5	5	5	3.0	1.0	Sus	R	1	.
AU02-3223	5	4	5	4.8	1.0	Seg	R	1	.
G04-1618 RR	5	5	5	3.8	1.0	R	R	1	.
G04-3248 RR	5	2	5	3.3	1.0	Sev	R	1	.
G05-1209 RR	5	3	5	4.8	1.0	R	R	1	.
G05-2468 RR	5	4	5	3.0	1.3	R	SS	3	.
G05-2505 RR	5	5	5	5.0	1.0	R	R	1	.
G05-3758 RR	5	5	5	5.0	1.0	R	S	5	.
G05-4237 RR	5	5	5	4.8	1.5	Sus	R	1	.
N04-8801	5	5	5	5.0	3.8	R	S	5	.
N04-8814	5	5	5	5.0	5.0	R	SS	3	.
N04-8830	5	5	5	5.0	4.3	R	SS	3	.
N04-8866	5	5	5	5.0	4.8	R	MR	2	.
N04-8884	5	5	5	5.0	5.0	R	MS	4	.
N05-7085	5	5	5	4.5	5.0	R	MS	4	.
N05-7432	5	5	5	4.5	4.8	R	S	5	.
SC03-061RR	5	4	5	5.0	4.3	R	R	1	.
SC03-062RR	5	5	5	5.0	4.8	R	R	1	.
SC04-306RR	5	3	5	4.5	1.5	R	SS	3	.
SC05-598RR	5	5	5	5.0	1.5	R	SS	3	.
SC05-642RR	5	1	5	5.0	1.3	R	S	5	.

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2009

East

STRAIN/ VARIETY	*Jackson Springs, NC*	*Kinston, NC(A)‡*	*Area Mean*
SC01-803 RR	33.6	31.0	33.9
97M50	39.2	39.1	39.2
N8001	41.2	34.3	41.2
AU02-0137	38.8	20.5	38.8
AU02-3223	37.6	29.9	37.6
G04-1618 RR	39.6	30.7	39.6
G04-3248 RR	36.2	23.6	36.2
G05-1209 RR	42.9	36.6	42.9
G05-2468 RR	41.1	32.1	41.1
G05-2505 RR	33.5	38.4	33.5
G05-3758 RR	34.8	33.2	34.8
G05-4237 RR	39.9	36.5	39.9
N04-8801	35.2	31.8	35.2
N04-8814	39.5	32.2	39.5
N04-8830	40.8	38.5	40.8
N04-8866	37.0	35.4	37.7
N04-8884	33.2	32.1	33.2
N05-7085	37.1	32.9	37.1
N05-7432	40.4	37.5	40.4
SC03-061RR	38.1	27.6	38.1
SC03-062RR	42.7	27.6	42.7
SC04-306RR	43.3	37.4	43.3
SC05-598RR	34.3	31.0	34.3
SC05-642RR	34.2	32.6	34.2
Mean	38.1	32.6	38.1
LSD(0.05)	8.1	8.9	.
CV(%)	12.6	15.7	

‡Data not included in mean.

TABLE 103 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM TEST VIII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
SC01-803 RR	46.8	48.4	40.0	39.8	50.4	55.8	28.0	23.9	67.0	44.5
97M50	49.2	50.1	40.2	35.9	52.6	54.3	26.9	20.7	63.7	43.7
N8001	45.5	50.6	37.7	47.3	57.1	59.9	17.4	16.0	57.3	43.2
AU02-0137	49.3	43.5	39.3	40.5	53.2	57.8	29.0	20.4	69.3	44.7
AU02-3223	48.5	48.0	38.5	38.9	56.8	58.5	23.2	22.1	76.0	45.6
G04-1618 RR	60.4	48.1	32.4	33.8	55.1	65.4	28.5	21.2	66.0	45.7
G04-3248 RR	45.1	41.5	33.2	35.5	46.0	50.0	23.5	21.7	53.0	38.8
G05-1209 RR	54.3	50.3	36.9	40.4	48.1	57.3	29.1	23.0	68.3	45.3
G05-2468 RR	48.1	49.2	38.7	35.0	46.2	58.6	30.7	20.6	66.0	43.7
G05-2505 RR	51.1	46.5	33.8	32.9	44.8	61.4	25.8	20.8	66.3	42.6
G05-3758 RR	53.4	41.4	42.1	32.5	51.2	59.9	28.2	18.6	70.0	44.1
G05-4237 RR	55.6	51.7	36.0	35.5	47.4	58.2	26.4	19.3	61.3	43.5
N04-8801	53.0	48.7	43.6	37.0	51.3	56.3	20.3	17.9	75.7	44.9
N04-8814	42.5	49.4	38.7	37.2	48.1	54.7	19.6	21.4	58.7	41.1
N04-8830	47.1	46.6	34.2	28.2	37.5	58.7	17.0	15.8	62.3	38.6
N04-8866	51.6	49.6	30.6	30.9	36.2	53.9	21.1	22.4	70.0	40.7
N04-8884	48.7	48.9	33.7	35.2	48.3	59.9	18.5	20.2	59.7	41.4
N05-7085	46.3	50.1	32.9	35.6	54.4	58.3	20.4	21.4	71.3	43.4
N05-7432	53.3	47.6	39.5	29.4	59.4	60.1	21.6	24.3	73.0	45.3
SC03-061RR	50.8	50.1	41.6	35.7	47.4	58.7	21.6	19.3	80.0	45.0
SC03-062RR	49.1	45.7	40.9	36.2	56.0	61.0	15.3	19.8	70.0	43.8
SC04-306RR	50.7	50.2	41.8	32.4	53.0	57.6	24.1	20.2	67.7	44.2
SC05-598RR	48.5	47.4	36.9	36.7	58.6	56.2	23.9	21.3	71.7	44.6
SC05-642RR	56.4	46.1	41.4	36.3	46.3	59.2	29.0	19.3	74.0	45.3
Mean	50.2	47.9	37.7	35.8	50.2	58.0	23.7	20.5	67.4	43.5
LSD(0.05)	6.1	5.0	6.8	5.7	8.8	5.6	4.9	4.9	16.0	3.7
CV(%)	7.4	6.3	11.0	9.7	10.6	5.9	12.6	14.5	14.4	12.8

TABLE 104 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Clemson, SC	Fairhope, AL	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Test Mean
SC01-803 RR	21.0	19.5	20.0	19.1	19.0	19.5	20.8	18.6	17.5	19.4
97M50	18.6	18.6	19.2	18.3	18.1	18.9	19.0	17.7	17.0	18.4
N8001	19.9	20.6	20.0	21.0	19.7	18.7	20.6	18.9	18.1	19.7
AU02-0137	19.2	20.0	19.2	20.0	19.0	18.7	19.5	19.0	18.5	19.2
AU02-3223	19.3	20.9	19.6	20.5	21.0	19.3	20.7	19.2	18.4	19.9
G04-1618 RR	20.9	20.1	19.5	19.2	19.5	20.0	20.5	18.8	18.5	19.7
G04-3248 RR	17.5	17.6	19.2	19.1	18.5	16.9	18.1	17.5	16.7	17.9
G05-1209 RR	20.4	20.4	20.1	20.2	20.3	19.9	20.4	18.8	20.7	20.1
G05-2468 RR	21.5	21.0	20.4	21.1	19.1	19.5	21.1	19.4	19.1	20.2
G05-2505 RR	20.8	21.1	19.4	20.4	18.8	18.4	20.9	19.8	19.1	19.9
G05-3758 RR	18.7	19.1	18.9	17.8	19.4	18.0	18.5	17.0	17.0	18.3
G05-4237 RR	20.6	20.7	18.7	20.3	18.9	19.2	20.1	18.5	18.3	19.5
N04-8801	20.4	20.4	20.8	21.3	20.2	20.0	21.2	20.1	19.0	20.4
N04-8814	19.7	20.9	20.5	20.8	20.8	20.4	21.5	19.9	19.4	20.4
N04-8830	20.9	20.7	21.8	21.4	20.6	20.3	21.3	20.8	19.3	20.8
N04-8866	20.1	20.5	20.5	20.2	19.5	19.9	21.1	19.4	19.0	20.0
N04-8884	20.5	20.1	21.1	21.2	19.3	19.9	20.8	19.2	18.6	20.1
N05-7085	20.3	20.6	20.1	21.0	20.5	19.6	20.7	18.6	18.9	20.0
N05-7432	20.1	20.2	20.8	21.3	19.7	19.9	21.8	18.2	18.7	20.1
SC03-061RR	21.2	20.7	20.4	22.3	21.5	19.1	21.9	20.4	19.2	20.7
SC03-062RR	20.6	21.0	20.3	22.0	21.4	20.1	21.7	19.9	19.4	20.7
SC04-306RR	20.1	21.2	20.4	20.5	20.2	19.8	21.1	18.5	18.2	20.0
SC05-598RR	20.1	19.7	19.3	20.1	19.4	19.9	21.0	17.3	17.5	19.4
SC05-642RR	20.9	20.8	20.3	20.7	20.0	18.8	21.6	19.6	18.8	20.2
Mean	20.1	20.3	20.0	20.4	19.8	19.4	20.7	19.0	18.5	.

TABLE 105 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Clemson, SC	Fairhope, AL	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Test Mean
SC01-803 RR	41.8	40.9	39.2	44.6	43.3	42.4	41.8	44.8	45.4	42.7
97M50	40.8	39.4	37.4	43.2	42.3	41.6	41.3	42.7	43.4	41.3
N8001	41.5	40.4	39.2	42.4	42.2	41.8	41.1	42.4	43.5	41.6
AU02-0137	40.0	39.8	37.2	41.2	40.2	40.4	40.1	42.5	41.3	40.3
AU02-3223	40.0	40.0	38.3	41.5	41.1	39.9	41.0	42.0	43.2	40.8
G04-1618 RR	41.5	40.0	38.3	42.7	41.5	39.9	40.9	43.5	42.4	41.2
G04-3248 RR	40.6	39.9	36.6	42.1	41.7	42.6	40.8	44.1	43.6	41.3
G05-1209 RR	40.7	40.4	38.0	42.9	42.2	42.9	41.5	43.9	42.6	41.7
G05-2468 RR	41.3	40.8	37.0	42.6	42.6	41.9	40.9	43.7	42.3	41.4
G05-2505 RR	40.6	40.8	39.2	42.9	42.7	42.8	41.3	42.9	42.6	41.7
G05-3758 RR	41.2	40.3	38.1	44.6	43.0	42.5	42.8	44.3	44.5	42.4
G05-4237 RR	40.3	40.9	39.0	43.2	41.9	42.0	41.7	43.4	43.5	41.8
N04-8801	39.7	39.9	37.7	40.9	40.6	41.5	40.0	41.8	42.2	40.5
N04-8814	40.7	42.0	40.5	43.6	42.9	43.2	41.1	44.5	44.2	42.5
N04-8830	40.5	39.0	35.2	41.8	41.7	41.8	40.0	42.1	42.4	40.5
N04-8866	41.5	41.2	37.9	42.1	42.8	42.4	41.4	43.1	43.2	41.7
N04-8884	39.7	40.1	38.8	41.9	42.6	41.2	41.0	43.9	42.9	41.3
N05-7085	39.7	39.7	37.3	41.4	41.4	41.8	40.1	43.0	42.1	40.7
N05-7432	40.2	40.7	38.8	42.0	41.5	41.4	41.9	42.6	43.3	41.4
SC03-061RR	39.5	39.0	36.2	39.3	40.5	40.5	40.1	41.4	41.2	39.7
SC03-062RR	38.8	39.6	36.4	39.6	41.1	40.2	40.6	40.9	41.1	39.8
SC04-306RR	40.5	40.9	38.2	42.3	41.5	42.1	41.2	44.2	43.1	41.6
SC05-598RR	40.9	41.7	39.4	44.1	43.0	42.9	41.9	44.9	44.3	42.6
SC05-642RR	38.8	39.6	36.1	41.4	41.4	41.4	39.9	41.7	41.8	40.2
Mean	40.4	40.3	37.9	42.3	41.9	41.7	41.0	43.1	42.9	.

TABLE 106 - SIZE (GRAMS PER 100 SEED) FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Test Mean
SC01-803 RR	17.0	17.0	.	14.1	15.8	16.1	16.5	16.3	12.3	13.1	17.7	15.6
97M50	16.4	15.0	.	13.0	15.4	14.1	13.3	14.8	11.6	11.7	16.8	14.2
N8001	17.1	18.0	.	16.3	18.6	17.0	15.7	16.7	12.6	14.0	18.7	16.5
AU02-0137	14.6	14.8	.	13.0	15.2	14.3	.	14.1	11.8	12.2	14.8	13.9
AU02-3223	16.0	15.7	.	14.4	17.0	15.7	14.3	16.4	11.7	12.4	15.4	14.9
G04-1618 RR	14.6	15.2	.	13.2	15.0	14.2	12.2	14.7	10.9	11.0	14.7	13.6
G04-3248 RR	13.8	13.6	.	12.3	13.5	13.2	13.3	12.6	10.1	10.5	13.0	12.6
G05-1209 RR	14.3	14.4	.	12.0	12.8	13.8	13.7	13.9	11.2	11.6	13.1	13.1
G05-2468 RR	14.4	14.5	.	12.8	13.1	14.8	13.8	13.8	12.2	12.2	13.2	13.5
G05-2505 RR	16.0	15.7	.	13.5	14.1	14.6	.	15.2	12.8	12.8	14.9	14.4
G05-3758 RR	13.3	13.4	.	12.2	13.7	13.1	13.5	13.7	10.6	11.1	14.4	12.9
G05-4237 RR	15.3	16.0	.	13.3	15.5	15.1	15.7	15.4	11.4	12.6	16.1	14.6
N04-8801	22.8	21.9	.	19.7	19.7	20.4	19.6	20.3	14.7	15.7	20.1	19.5
N04-8814	20.2	19.7	.	17.9	16.7	16.1	16.7	17.8	13.1	14.2	16.3	16.9
N04-8830	20.9	21.0	.	16.7	19.3	19.8	19.0	20.4	15.6	15.7	19.7	18.8
N04-8866	25.6	25.9	.	23.0	23.7	26.5	24.8	25.8	19.2	19.2	27.5	24.1
N04-8884	23.0	21.9	.	18.8	22.9	22.5	21.4	23.0	16.2	15.3	23.2	20.8
N05-7085	21.7	22.6	.	18.6	22.1	21.0	18.9	20.5	14.7	15.8	20.8	19.7
N05-7432	17.4	17.1	.	15.9	17.8	16.8	15.1	16.4	12.0	13.7	16.3	15.8
SC03-061RR	16.9	16.1	.	13.5	15.6	15.7	13.8	16.2	11.5	12.7	16.5	14.9
SC03-062RR	17.0	14.8	.	13.8	16.5	15.8	14.0	16.8	11.1	12.1	16.9	14.9
SC04-306RR	16.3	15.3	.	15.2	15.7	14.6	15.0	15.2	11.3	11.8	15.8	14.6
SC05-598RR	15.5	15.9	.	13.5	17.3	15.8	15.0	15.5	11.4	12.1	16.3	14.8
SC05-642RR	16.6	16.1	.	13.9	15.0	15.8	13.9	14.9	11.3	12.0	14.6	14.4
Mean	17.4	17.2	.	15.0	16.8	16.5	15.9	16.7	12.5	13.1	17.0	.

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

East

STRAIN/ VARIETY	*Jackson Springs, NC*	*Kinston, NC(A)*	*Area Mean*
SC01-803 RR	11/3	.	11/3
97M50	-5	.	-5
N8001	-6	.	-6
AU02-0137	-3	.	-3
AU02-3223	-1	.	-1
G04-1618 RR	-4	.	-4
G04-3248 RR	-1	.	-1
G05-1209 RR	-3	.	-3
G05-2468 RR	-2	.	-2
G05-2505 RR	-2	.	-2
G05-3758 RR	-1	.	-1
G05-4237 RR	-1	.	-1
N04-8801	-2	.	-2
N04-8814	-2	.	-2
N04-8830	-2	.	-2
N04-8866	-1	.	-1
N04-8884	-1	.	-1
N05-7085	-2	.	-2
N05-7432	-2	.	-2
SC03-061RR	-1	.	-1
SC03-062RR	-3	.	-3
SC04-306RR	-2	.	-2
SC05-598RR	-2	.	-2
SC05-642RR	-1	.	-1
Mean	-2	.	-2

TABLE 107 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
SC01-803 RR	10/30	11/5	11/5	11/5	10/24	.	10/25	11/2	.	10/31
97M50	0	0	-3	0	-1	.	-2	3	.	-1
N8001	-1	-1	-4	-1	1	.	-3	10	.	0
AU02-0137	-1	-2	-4	-1	-4	.	-2	0	.	-2
AU02-3223	1	0	1	2	5	.	-1	3	.	1
G04-1618 RR	-1	0	-5	-1	2	.	-2	1	.	-1
G04-3248 RR	4	1	2	0	4	.	1	1	.	2
G05-1209 RR	3	1	-3	1	-6	.	1	1	.	0
G05-2468 RR	0	1	-4	1	-5	.	1	0	.	-1
G05-2505 RR	0	-2	-5	0	-2	.	-1	1	.	-1
G05-3758 RR	2	0	-1	0	1	.	1	3	.	1
G05-4237 RR	0	2	1	3	0	.	1	0	.	1
N04-8801	3	2	-3	-1	-2	.	-1	3	.	0
N04-8814	6	5	0	2	-1	.	-1	8	.	3
N04-8830	6	3	1	4	3	.	1	3	.	3
N04-8866	0	-1	-5	0	3	.	-3	3	.	0
N04-8884	4	3	1	3	1	.	-1	10	.	3
N05-7085	4	2	-2	1	2	.	1	2	.	2
N05-7432	4	2	0	2	4	.	1	2	.	2
SC03-061RR	4	2	0	1	7	.	-1	5	.	3
SC03-062RR	7	1	2	5	9	.	1	3	.	4
SC04-306RR	5	2	1	3	8	.	1	2	.	3
SC05-598RR	2	1	-2	0	4	.	0	3	.	1
SC05-642RR	3	2	1	2	1	.	1	2	.	2
Mean	2	1	-1	1	1	.	0	3	.	1

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

East

STRAIN/ VARIETY	*Jackson Springs, NC*	*Kinston, NC(A)*	*Area Mean*
SC01-803 RR	39	35	37
97M50	40	32	36
N8001	43	31	37
AU02-0137	37	25	31
AU02-3223	36	32	34
G04-1618 RR	39	30	35
G04-3248 RR	44	27	36
G05-1209 RR	48	36	42
G05-2468 RR	47	32	40
G05-2505 RR	40	38	39
G05-3758 RR	45	30	38
G05-4237 RR	39	33	36
N04-8801	42	34	38
N04-8814	33	31	32
N04-8830	39	29	34
N04-8866	36	29	33
N04-8884	37	28	33
N05-7085	38	28	33
N05-7432	36	27	32
SC03-061RR	40	34	37
SC03-062RR	39	32	36
SC04-306RR	46	32	39
SC05-598RR	42	32	37
SC05-642RR	44	31	38
Mean	40	31	.

TABLE 108 - PLANT HEIGHT, IN INCHES, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
SC01-803 RR	31	31	32	34	40	42	39	34	39	36
97M50	33	30	31	36	35	38	31	29	33	33
N8001	33	29	30	38	30	38	35	33	32	33
AU02-0137	31	28	28	36	32	38	39	30	33	33
AU02-3223	33	32	32	40	36	42	35	33	35	35
G04-1618 RR	30	28	30	39	36	41	33	30	32	33
G04-3248 RR	30	31	27	35	38	38	36	32	36	34
G05-1209 RR	36	35	31	44	42	48	36	34	41	39
G05-2468 RR	31	31	32	40	38	42	36	27	34	35
G05-2505 RR	35	29	28	42	38	43	35	30	37	35
G05-3758 RR	33	27	32	37	41	45	35	35	38	36
G05-4237 RR	30	30	28	35	38	40	32	32	34	33
N04-8801	35	34	35	40	38	46	32	36	37	37
N04-8814	29	29	30	34	32	38	32	29	31	32
N04-8830	27	30	28	32	35	39	35	31	33	32
N04-8866	29	31	25	34	28	39	36	30	31	32
N04-8884	29	33	26	35	31	39	36	31	29	32
N05-7085	27	28	27	33	36	37	35	28	26	31
N05-7432	27	26	28	35	33	39	30	32	34	32
SC03-061RR	30	33	34	35	40	43	32	34	34	35
SC03-062RR	30	29	30	38	37	36	40	31	36	34
SC04-306RR	31	33	30	36	42	43	36	29	42	36
SC05-598RR	30	33	29	38	43	45	38	32	39	36
SC05-642RR	33	29	30	35	37	41	42	31	34	35
Mean	31	30	30	37	37	41	35	31	35	.

TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

East

STRAIN/ VARIETY	*Jackson Springs, NC*	*Kinston, NC(A)*	*Area Mean*
SC01-803 RR	1.5	1.0	1.3
97M50	2.0	1.5	1.8
N8001	2.5	2.0	2.3
AU02-0137	2.0	.	2.0
AU02-3223	2.5	2.0	2.3
G04-1618 RR	3.5	1.0	2.3
G04-3248 RR	2.0	1.5	1.8
G05-1209 RR	2.5	2.0	2.3
G05-2468 RR	2.0	2.0	2.0
G05-2505 RR	2.0	.	2.0
G05-3758 RR	2.0	3.0	2.5
G05-4237 RR	2.0	1.5	1.8
N04-8801	2.5	2.5	2.5
N04-8814	2.5	2.5	2.5
N04-8830	2.0	2.0	2.0
N04-8866	3.0	1.5	2.3
N04-8884	2.5	3.0	2.8
N05-7085	3.0	2.5	2.8
N05-7432	2.5	1.0	1.8
SC03-061RR	2.0	1.5	1.8
SC03-062RR	2.5	3.0	2.8
SC04-306RR	2.0	2.0	2.0
SC05-598RR	1.5	1.0	1.3
SC05-642RR	2.0	1.5	1.8
Mean	2.3	1.9	.

TABLE 109 - PLANT LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
SC01-803 RR	1.0	1.0	1.0	.	2.3	1.0	1.3	1.0	1.7	1.3
97M50	1.0	1.0	1.3	.	3.0	1.0	1.0	1.7	2.0	1.5
N8001	1.0	1.3	1.0	.	3.7	1.3	1.7	1.3	2.0	1.7
AU02-0137	1.0	1.0	1.0	.	2.7	1.0	1.0	1.0	1.7	1.3
AU02-3223	1.3	1.0	1.3	.	2.7	1.0	1.3	2.3	2.0	1.6
G04-1618 RR	1.3	1.3	1.3	.	3.0	1.3	2.0	1.0	2.3	1.7
G04-3248 RR	1.7	1.3	1.3	.	3.0	1.0	1.3	2.0	1.0	1.6
G05-1209 RR	1.0	1.3	1.0	.	2.3	1.0	1.3	1.0	1.3	1.3
G05-2468 RR	1.7	1.7	1.3	.	2.7	1.0	1.3	1.0	1.0	1.5
G05-2505 RR	1.7	1.0	1.0	.	3.3	1.0	1.3	1.3	1.3	1.5
G05-3758 RR	1.3	1.0	1.0	.	2.3	1.0	1.3	1.7	1.7	1.4
G05-4237 RR	1.3	1.0	1.3	.	2.3	1.0	1.0	1.3	1.0	1.3
N04-8801	2.0	1.7	1.8	.	3.3	1.0	1.7	1.7	1.7	1.9
N04-8814	1.0	1.0	1.0	.	2.3	1.0	1.3	1.0	1.0	1.2
N04-8830	1.0	1.3	1.8	.	3.0	1.0	1.0	1.3	1.3	1.5
N04-8866	1.0	1.3	1.0	.	4.0	1.0	1.0	1.3	1.0	1.5
N04-8884	1.0	2.3	2.0	.	3.3	1.3	1.7	1.7	1.3	1.8
N05-7085	1.0	1.3	1.0	.	3.3	1.0	1.0	1.3	2.0	1.5
N05-7432	1.0	1.0	1.3	.	3.0	1.3	1.3	2.3	1.3	1.6
SC03-061RR	1.3	1.0	1.7	.	3.0	1.3	1.0	2.0	2.0	1.7
SC03-062RR	1.3	1.3	2.3	.	3.0	1.7	1.0	1.7	2.7	1.9
SC04-306RR	1.0	1.0	1.0	.	2.3	1.0	1.0	1.0	1.0	1.2
SC05-598RR	1.0	1.0	1.0	.	2.7	1.0	1.3	1.7	1.3	1.4
SC05-642RR	1.0	1.0	1.0	.	2.0	1.0	1.0	1.0	1.7	1.2
Mean	1.2	1.2	1.3	.	2.9	1.1	1.3	1.4	1.6	.

TABLE 110 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII FOR YEAR 2009

South

STRAIN/ VARIETY	Athens, GA(A)	Athens, GA(B)	Blackville, SC(B)	Clemson, SC	Fairhope, AL	Plains, GA	Tallassee, AL(A)	Tallassee, AL(B)	Tifton, GA	Area Mean
SC01-803 RR	1.7	1.5	.	.	2.0	1.7	2.3	2.8	2.0	2.0
97M50	1.5	1.5	.	.	2.2	1.8	2.8	3.0	2.2	2.1
N8001	2.2	1.5	.	.	2.0	2.0	3.0	3.3	2.2	2.3
AU02-0137	1.7	1.5	.	.	2.0	1.7	2.8	3.0	2.0	2.1
AU02-3223	1.5	1.8	.	.	2.0	1.8	3.0	3.2	2.0	2.2
G04-1618 RR	1.5	1.5	.	.	1.5	1.8	3.0	3.0	1.7	2.0
G04-3248 RR	1.5	1.5	.	.	1.7	1.5	2.7	3.0	1.7	1.9
G05-1209 RR	1.5	1.5	.	.	1.5	1.8	2.0	3.5	1.8	2.0
G05-2468 RR	1.5	1.7	.	.	1.5	1.8	2.8	2.5	2.0	2.0
G05-2505 RR	1.7	1.7	.	.	2.0	2.7	3.0	3.2	1.5	2.2
G05-3758 RR	1.7	1.5	.	.	1.5	2.0	2.8	2.7	2.2	2.0
G05-4237 RR	1.8	1.5	.	.	1.5	1.8	2.0	2.8	1.7	1.9
N04-8801	1.8	2.2	.	.	1.5	1.5	2.5	3.2	1.3	2.0
N04-8814	2.2	1.8	.	.	1.5	1.8	1.7	2.5	1.3	1.8
N04-8830	1.8	1.7	.	.	1.5	1.8	2.5	2.5	1.2	1.9
N04-8866	1.7	1.8	.	.	1.8	1.7	3.0	2.7	1.8	2.1
N04-8884	2.0	2.0	.	.	1.2	2.0	3.0	2.0	1.5	2.0
N05-7085	1.7	1.8	.	.	1.3	1.7	1.7	2.3	1.5	1.7
N05-7432	2.0	2.2	.	.	1.5	1.8	2.2	2.8	1.5	2.0
SC03-061RR	1.8	1.5	.	.	2.0	1.8	2.5	2.3	1.5	1.9
SC03-062RR	1.7	2.3	.	.	2.0	2.3	2.0	3.3	1.7	2.2
SC04-306RR	2.2	1.7	.	.	1.7	2.2	2.0	2.0	1.8	1.9
SC05-598RR	1.7	1.5	.	.	1.5	1.7	2.0	2.2	1.8	1.8
SC05-642RR	1.7	1.5	.	.	1.3	1.8	2.0	2.5	1.7	1.8
Mean	1.7	1.7	.	.	1.7	1.9	2.5	2.8	1.7	.

TABLE 111 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2009

	STRAIN/VARIETY	PARENTAGE	GEN. COMP.	SPECIAL TRAITS
1	SC01-803 RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}		
2	97M50	G93-2225(6) X RR		
3	N8001	N7001 × Cook	F4	
4	G06-2173 RR	G02-G42164 X G99-4158	F5d	
5	G06-2507 RR	G98-1420 X H7242 RR	F5d	
6	G06-4977 RR	G98-2866 X H7242 RR	F6d	
7	G06-5196 RR	G98-2866 X H7242 RR	F6d	
8	G06-5287 RR	G98-2866 X H7242 RR	F6d	
9	G07-1185 RR	G00-3213 X(Boggs RR(2) X N97-9658)	F5d	
10	G07-2867 RR	G00-3083 X AGS758RR	F5d	
11	N06-7187	N98-7265 x N93-110-6	F4	SLOW WILT; PI 471938 (25%) & PI 416937 (25%)
12	SC06-317RR	N97-9658/SC01-783RR	F5	
13	SC06-375RR	SC01-783RR/G00-3213	F5	
14	SC06-676RR	SC01-809RR/G99-3211	F5	
15	SC06-687RR	SC01-809RR/G99-3211	F5	
16	SC06-688RR	SC01-809RR/G99-3211	F5	
17	SC06-704RR	SC01-809RR/G99-3211	F5	
18	SC06-708RR	SC01-809RR/G99-3211	F5	

TABLE 112 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN PRELIMINARY TEST VIII FOR YEAR 2009

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SIZE	% PROTEIN	% OIL	HG TYPE 1.2.5.7 Race 2	HG TYPE 5.7 Race 3	HG TYPE 1.3.5.6.7 Race 14	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
SC01-803 RR	42.7	7	10	0	1.3	37	1.7	15.3	42.6	19.3	5	2	5	MS	4			
97M50	44.5	2	6	-2	1.6	38	2.1	14.3	42.3	18.0	5	2	5	R	1			
N8001	43.2	5	8	-1	1.8	39	2.1	15.5	41.4	19.2	5	5	4	MS	4	P	G	TAN
G06-2173 RR	41.9	13	10	-3	1.6	37	2.2	11.8	40.7	18.9	4	1	4	S	5	W	G	T
G06-2507 RR	43.7	4	7	-2	1.5	37	1.8	14.2	41.8	19.0	5	3	4	R	1	P	T	T
G06-4977 RR	42.1	10	10	-2	1.8	38	1.8	14.6	41.9	19.3	5	2	5	R	1	P	T	T
G06-5196 RR	42.2	9	10	-4	1.4	37	1.8	13.2	41.7	19.2	5	2	5	R	1	P	T	T
G06-5287 RR	44.2	3	6	-4	1.5	37	1.9	13.1	42.6	19.2	5	3	4	R	1	P	T	T
G07-1185 RR	42.7	6	9	1	1.8	38	1.7	11.3	41.8	18.5	5	1	5	S	5	W	T	T
G07-2867 RR	41.7	14	10	2	1.6	41	1.9	17.8	42.2	19.2	5	1	5	R	1	P	T	T
N06-7187	38.5	18	15	3	1.5	41	2.2	16.3	41.9	19.6	5	5	5	R	1	W	G	
SC06-317RR	40.9	16	10	-1	1.4	35	1.8	13.7	41.1	19.8	5	4	5	R	1	P	G	Tan
SC06-375RR	40.7	17	13	1	1.6	40	1.7	14.9	41.7	19.2	4	1	5	R	1	P	T	Tan
SC06-676RR	46.7	1	1	1	1.4	37	1.7	14.9	41.4	19.7	5	1	4	R	1	W	T	Tan
SC06-687RR	40.9	15	13	2	1.4	41	1.7	14.0	42.1	19.5	5	1	4	R	1	W	G	Tan
SC06-688RR	42.0	11	10	3	1.4	40	1.7	13.3	42.0	19.6	5	1	4	R	1	W	G	Tan
SC06-704RR	42.3	8	9	-2	1.4	40	1.7	15.3	41.5	20.0	5	1	3	R	1	W	T	Tan
SC06-708RR	42.0	12	12	0	1.4	40	1.7	14.5	41.2	20.0	5	2	4	R	1	W	G	Tan
Mean	42.4	.	.	0	1.5	38	1.8	14.3	41.8	19.3	.	.	.		.			
LSD(0.05)	3.4	.	.	2	0.4	4	0.3	0.8	0.7	0.7	.	.	.		.			
CV(%)	9.7	.	.	-439	29.4	10	13.1	4.3	1.4	2.7	.	.	.		.			

TABLE 113 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)‡	Test Mean
SC01-803 RR	48.7	46.1	33.4	55.7	29.3	42.7
97M50	51.9	41.0	36.8	58.0	33.7	44.5
N8001	51.4	45.8	37.0	56.0	25.5	43.2
G06-2173 RR	50.2	43.5	34.2	56.3	25.2	41.9
G06-2507 RR	55.8	43.5	32.9	59.5	26.8	43.7
G06-4977 RR	53.7	40.1	34.8	57.7	24.0	42.1
G06-5196 RR	51.5	41.2	37.1	54.3	26.6	42.2
G06-5287 RR	54.7	47.1	33.9	56.0	29.1	44.2
G07-1185 RR	56.2	43.9	36.0	53.9	23.3	42.7
G07-2867 RR	49.7	41.6	35.6	57.7	24.2	41.7
N06-7187	50.2	39.8	33.8	53.1	15.8	38.5
SC06-317RR	53.7	32.8	33.8	56.6	27.7	40.9
SC06-375RR	50.4	39.0	35.1	55.0	24.1	40.7
SC06-676RR	57.2	48.6	37.7	59.0	31.0	46.7
SC06-687RR	48.7	39.5	33.1	55.7	27.6	40.9
SC06-688RR	52.5	42.1	32.6	55.9	27.1	42.0
SC06-704RR	54.2	40.3	35.1	53.5	28.2	42.3
SC06-708RR	52.2	48.5	32.5	54.6	22.3	42.0
Mean	52.4	42.5	34.7	56.0	26.2	42.4
LSD(0.05)	7.0	7.5	4.9	5.0	7.3	3.4
CV(%)	8.0	10.3	8.4	5.4	16.7	9.7

‡Data not included in mean.

TABLE 114 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Jackson Springs, NC*	*Kinston, NC(A)*	*Plains, GA*	*Tallassee, AL(A)*	*Test Mean*
SC01-803 RR	19.3	20.5	18.6	19.6	18.7	19.3
97M50	18.6	17.9	16.6	19.7	17.2	18.0
N8001	19.3	19.6	19.0	19.9	18.4	19.2
G06-2173 RR	19.5	19.4	18.9	19.6	17.2	18.9
G06-2507 RR	19.6	18.2	19.2	19.9	18.2	19.0
G06-4977 RR	19.9	19.9	18.2	20.4	18.0	19.3
G06-5196 RR	19.4	19.2	18.7	20.1	18.6	19.2
G06-5287 RR	19.7	19.1	19.7	19.6	17.8	19.2
G07-1185 RR	19.0	19.1	17.9	19.4	17.3	18.5
G07-2867 RR	19.5	19.2	18.4	20.8	18.0	19.2
N06-7187	20.1	19.1	19.7	20.2	18.8	19.6
SC06-317RR	20.0	19.3	20.9	20.2	18.5	19.8
SC06-375RR	20.2	18.9	18.1	20.9	18.0	19.2
SC06-676RR	20.2	20.4	18.9	20.5	18.7	19.7
SC06-687RR	20.3	19.8	18.6	20.6	18.4	19.5
SC06-688RR	20.1	20.3	18.5	20.8	18.1	19.6
SC06-704RR	20.8	20.6	19.0	20.4	18.8	20.0
SC06-708RR	20.6	20.3	19.8	21.0	18.1	20.0
Mean	19.8	19.5	18.8	20.2	18.2	.

TABLE 115 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	41.2	42.4	43.1	41.9	44.5	42.6
97M50	40.2	42.7	42.5	41.8	44.0	42.3
N8001	40.6	41.5	41.6	40.3	43.0	41.4
G06-2173 RR	40.1	39.9	39.8	39.6	44.2	40.7
G06-2507 RR	40.0	43.4	42.0	40.6	43.0	41.8
G06-4977 RR	40.1	42.3	42.2	40.7	44.4	41.9
G06-5196 RR	40.5	42.0	41.7	40.9	43.4	41.7
G06-5287 RR	41.2	42.8	42.5	41.9	44.4	42.6
G07-1185 RR	40.2	41.6	42.4	40.5	44.2	41.8
G07-2867 RR	41.0	42.7	42.8	41.1	43.2	42.2
N06-7187	40.8	42.1	42.9	40.3	43.7	41.9
SC06-317RR	39.5	41.7	42.2	40.1	42.0	41.1
SC06-375RR	40.6	42.6	41.4	39.8	44.1	41.7
SC06-676RR	40.3	41.4	42.6	39.9	43.1	41.4
SC06-687RR	40.4	42.3	43.1	40.6	44.0	42.1
SC06-688RR	39.9	42.3	42.5	40.7	44.3	42.0
SC06-704RR	39.9	41.3	41.9	40.5	43.8	41.5
SC06-708RR	39.5	40.3	41.5	40.3	44.4	41.2
Mean	40.3	42.0	42.1	40.6	43.8	.

TABLE 116 - SEED SIZE IN GRAMS PER 100 SEED FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	Athens, GA(A)	Jackson Springs, NC	Kinston, NC(A)	Plains, GA	Tallassee, AL(A)	Test Mean
SC01-803 RR	16.6	16.5	14.4	16.5	12.4	15.3
97M50	15.5	14.3	14.2	15.9	11.6	14.3
N8001	17.0	17.5	13.6	16.5	12.7	15.5
G06-2173 RR	12.8	12.8	10.7	12.4	10.4	11.8
G06-2507 RR	16.2	13.8	14.4	15.1	11.6	14.2
G06-4977 RR	15.9	15.8	14.2	15.4	11.7	14.6
G06-5196 RR	14.1	14.0	12.9	13.9	11.3	13.2
G06-5287 RR	14.0	13.6	13.0	13.9	10.8	13.1
G07-1185 RR	13.5	12.1	11.0	10.8	8.8	11.3
G07-2867 RR	19.9	17.8	18.0	19.2	14.2	17.8
N06-7187	18.2	16.8	15.5	17.9	13.2	16.3
SC06-317RR	14.7	13.6	14.5	13.9	11.8	13.7
SC06-375RR	16.9	15.5	14.7	15.8	11.7	14.9
SC06-676RR	16.0	15.9	14.7	15.6	12.3	14.9
SC06-687RR	14.9	14.8	13.4	15.2	11.9	14.0
SC06-688RR	14.8	14.3	12.1	14.2	10.9	13.3
SC06-704RR	16.6	15.4	14.6	16.7	13.3	15.3
SC06-708RR	15.3	16.0	13.7	15.3	12.3	14.5
Mean	15.7	15.0	13.9	15.2	11.8	.

TABLE 117 - RELATIVE MATURITY, DAYS EARLIER (-) OR LATER (+) THAN THE FIRST ENTRY FOR PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Jackson Springs, NC*	*Kinston, NC(A)*	*Plains, GA*	*Tallassee, AL(A)*	*Test Mean*
SC01-803 RR	10/30	10/30	11/7	.	10/29	11/1
97M50	-1	-2	0	.	-3	-2
N8001	-1	-1	0	.	-3	-1
G06-2173 RR	-1	-3	-5	.	-3	-3
G06-2507 RR	-1	-4	0	.	-3	-2
G06-4977 RR	-1	-3	-3	.	-3	-2
G06-5196 RR	-1	-3	-5	.	-6	-4
G06-5287 RR	-1	-3	-7	.	-6	-4
G07-1185 RR	5	3	0	.	-3	1
G07-2867 RR	4	5	0	.	0	2
N06-7187	10	3	0	.	0	3
SC06-317RR	0	0	0	.	-3	-1
SC06-375RR	3	3	0	.	-3	1
SC06-676RR	2	1	0	.	0	1
SC06-687RR	3	6	0	.	0	2
SC06-688RR	3	5	0	.	4	3
SC06-704RR	-1	-2	0	.	-3	-2
SC06-708RR	2	1	0	.	-3	0
Mean	1	0	-1	.	-2	.

TABLE 118 - HEIGHT IN INCHES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Jackson Springs, NC*	*Kinston, NC(A)*	*Plains, GA*	*Tallassee, AL(A)*	*Test Mean*
SC01-803 RR	33	44	34	44	31	37
97M50	37	41	32	39	38	38
N8001	33	47	32	43	38	39
G06-2173 RR	32	43	34	40	36	37
G06-2507 RR	34	42	32	39	37	37
G06-4977 RR	32	44	35	43	35	38
G06-5196 RR	29	43	33	41	38	37
G06-5287 RR	33	42	31	42	37	37
G07-1185 RR	35	44	36	43	33	38
G07-2867 RR	38	47	43	48	32	41
N06-7187	44	45	40	48	28	41
SC06-317RR	31	38	34	42	29	35
SC06-375RR	36	45	38	44	35	40
SC06-676RR	33	40	35	41	36	37
SC06-687RR	39	46	32	47	40	41
SC06-688RR	34	47	38	45	39	40
SC06-704RR	37	43	36	45	39	40
SC06-708RR	38	47	35	48	32	40
Mean	35	44	35	43	35	.

TABLE 119 - LODGING SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Jackson Springs, NC*	*Kinston, NC(A)*	*Plains, GA*	*Tallassee, AL(A)*	*Test Mean*
SC01-803 RR	1.0	2.0	1.5	1.0	1.0	1.3
97M50	1.0	2.5	2.5	1.3	1.0	1.6
N8001	1.3	2.5	1.5	2.0	1.3	1.8
G06-2173 RR	1.3	2.5	2.5	1.0	1.0	1.6
G06-2507 RR	1.7	2.0	2.0	1.0	1.0	1.5
G06-4977 RR	2.0	3.0	2.5	1.0	1.0	1.8
G06-5196 RR	1.0	2.5	2.0	1.0	1.0	1.4
G06-5287 RR	1.0	2.5	2.0	1.0	1.3	1.5
G07-1185 RR	1.7	2.0	2.5	1.3	1.3	1.8
G07-2867 RR	1.7	2.0	3.0	1.0	1.0	1.6
N06-7187	1.7	2.5	1.5	1.0	1.0	1.5
SC06-317RR	1.3	2.0	1.5	1.0	1.0	1.4
SC06-375RR	1.3	1.5	1.0	1.0	2.3	1.6
SC06-676RR	1.0	2.0	2.0	1.0	1.3	1.4
SC06-687RR	1.0	2.0	1.5	1.0	1.3	1.4
SC06-688RR	1.0	2.0	1.5	1.0	1.3	1.4
SC06-704RR	1.0	2.0	1.5	1.0	1.3	1.4
SC06-708RR	1.0	2.0	2.0	1.0	1.0	1.4
Mean	1.3	2.2	1.9	1.1	1.2	.

TABLE 120 - SEED QUALITY SCORE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII FOR YEAR 2009

STRAIN/ VARIETY	*Athens, GA(A)*	*Jackson Springs, NC*	*Kinston, NC(A)*	*Plains, GA*	*Tallassee, AL(A)*	*Test Mean*
SC01-803 RR	1.5	.	.	1.5	2.2	1.7
97M50	1.7	.	.	1.8	2.8	2.1
N8001	1.7	.	.	2.0	2.5	2.1
G06-2173 RR	1.8	.	.	2.5	2.3	2.2
G06-2507 RR	1.5	.	.	1.7	2.2	1.8
G06-4977 RR	1.7	.	.	1.5	2.2	1.8
G06-5196 RR	1.7	.	.	1.7	2.0	1.8
G06-5287 RR	1.7	.	.	2.0	2.2	1.9
G07-1185 RR	1.5	.	.	1.5	2.0	1.7
G07-2867 RR	1.7	.	.	2.0	2.0	1.9
N06-7187	2.2	.	.	2.3	2.2	2.2
SC06-317RR	1.5	.	.	1.8	2.0	1.8
SC06-375RR	1.5	.	.	1.5	2.2	1.7
SC06-676RR	1.5	.	.	1.5	2.0	1.7
SC06-687RR	1.5	.	.	1.7	2.0	1.7
SC06-688RR	1.5	.	.	1.5	2.0	1.7
SC06-704RR	1.5	.	.	1.7	2.0	1.7
SC06-708RR	1.5	.	.	1.7	2.0	1.7
Mean	1.6	.	.	1.8	2.1	.