

# UNIFORM SOYBEAN TESTS

## SOUTHERN STATES

### 2008

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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), AG 4103(RR), AG 4403 (RR), LD00-3309, DK4866, AG 4903 (RR), 94M80, 5002T, 5601T, DPL 5414, Osage, JTN5503, Boggs RR, Dillon, NC-Roy, AGS758RR, Haskell RR, N7002, 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**

1. Participants must be willing and able to conduct unified tests with conventional strains and strains containing proprietary and/or transgenic traits.
2. 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.
3. 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**

1. 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.
2. 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.
3. 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.
4. 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.
5. 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
DB; DS; LG	- 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
LS	- Southern Illinois University, Carbondale
MD	- Maryland Agricultural Experiment Station and USDA-ARS
N; NCC; TCWN; JWB	- 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; B	- Virginia Agricultural Experiment Station, Virginia Tech
VS	- Virginia Agricultural Experiment Station, Virginia State University



## AGRONOMIC CHARACTERISTICS OF LOCATIONS - 2008

LOCATION <sub>y</sub>	TEST						SOIL TYPE	Irri- gated	Prior Crop	Planting Dates	Harvest Dates	Row Spacing <sub>z</sub>	Planted Length	Har- vested Length	End Trim- med	# Rows Planted	# Rows Harvested	Trial Bordered
	IV-E	IV-L	V	VI	VII	VIII												
Belle Mina, AL			U	U			Decatur silt loam	No	Cotton	5/19	10/23, 10/21	30	20	16	Yes	4	2	No
Fairhope, AL				U	U	U	Malbis fine sandy loam	No	Cotton	6/7	11/12	38	20	16	Yes	4	2	Yes
Tallassee, AL(A)					UP	UP	Cahaba fine sandy loam	No	Fallow	Not reported	Not Reported	30	16	12	Yes	4	2	Yes
Tallassee, AL(B)						U	Cahaba fine sandy loam	No	Fallow	Not reported	Not reported	30	16	12	Yes	4	2	Yes
Pine Tree, AR	P	UP	UP	UP			Calloway silt loam	Yes	Rice	5/19, 5/21	10/3(P4E,P4L), 10/29(P5), 11/3(6), 10/6(U4), 10/6(U5)	30	20	28	Yes	4	2	No
Rohwer, AR	P	UP	UP	UP			Sharkey clay, Desha silt loam	Yes	Soybean	5/22	10/13, 10/13(P6)	19	20	20	No	5	3	Yes
Georgetown, DE		U	U				Evesboro loamy sand				No data	20						
Athens, GA(A)				U	U	UP	Appling coarse sandy loam	Yes	Grain sorghum	5/13	10/21, 11/7	30	20	12	Yes	4	2	Yes
Athens, GA(B)					U	U	Cecil coarse sandy loam	Yes	Grain sorghum	6/23	11/10	30	20	12	Yes	4	2	Yes
Calhoun, GA				U	U		Rome gravelly clay loam	Yes	Corn	5/18	11/5	30	20	16	Yes	4	2	Yes
Plains, GA					UP	UP	Greenville sandy clay loam	Yes	Cotton	6/3	11/4	30	20	12	Yes	4	2	Yes
Tifton, GA				U	U	U	Tifton sandy loam	Yes	Corn	5/10	11/1	30	20	16	Yes	4	2	Yes
Ullin, IL		UP	UP				Bonnie silt loam	No	Soybean	6/5	10/28	30	20	20	No	4	2	Yes
McCune, KS		UP	UP				Parsons silt loam	No	Corn	7/12	11/16	30	11	11	No	4	2	Yes
Pittsburg, KS		UP	UP				Parsons silt loam	No	Wheat	6/20	10/30	30	11	11	No	4	2	Yes
Princeton, KY		UP	U				Crider silt loam	No	Tobacco	5/14	11/2	16	20	16	Yes	6	4	Yes
Alexandria, LA		U	U	U	U	U	Latanier silty clay loam	No	Soybean	Not reported	Varied	38	34	Varied	Yes	4	2	Yes
Bossier City, LA		U	U	U	U		Moreland silty clay loam (U7), Caplis very fine sandy loam (U4-S,5,6)	Yes	Cotton	4/30(4,5), 5/23(6), 6/16(7)	9/24(4), 10/1(5), 10/27(6), 10/30 (7)	40	24	20	Yes	4	2	Yes
Queenstown, MD	P	UP	UP				Mattapeake silt loam	No	Corn	6/13, 6/16	No Data	24	20	16	Yes	4	2	Yes
Portageville, MO(A)	P	UP	UP				Dundee silt loam	Yes	Soybean	4/30, 5/1, 5/8	9/29(4), 10/11(5)	30	13	11	Yes	4	2	Yes
Portageville, MO(B)		U	U				Sharkey clay	Yes	Rice	5/31	10/14(4), 10/20(5)	30	13	11	Yes	4	2	Yes
Starkville, MS		U	U				Brooksville silty clay	No	Corn	4/17	8/30, 9/19	18	20	18	Yes	3	3	Yes
Stoneville, MS	P	UP	UP	UP	P		Sharkey clay	Yes	No rotation/ soybean	4/17	9/24(4)(5), 10/6(6)(7)	24	18.5	16	Yes	5	3	Yes
Jackson Springs, NC					U		Wagram sand			No data (nutrient problems)	No data (nutrient problems)	38						
Kinston, NC(A)					UP	UP	Stallings loamy sand	No	Corn, Corn	6/10, 6/20	12/4, 12/8	38	18	15	Yes	3	1	Yes
Kinston, NC(B)					UP		Stallings loamy sand	No	Corn, Corn	Not reported	Not reported	38	18	15	Yes	3	1	Yes
Plymouth, NC(A)			UP	UP	UP		Portsmouth silt loam	No	Corn, Corn	5/22	10/22, 11/12, 11/24	38	19	16	Yes	3	1	Yes
Plymouth, NC(B)	P	UP						Yes		5/19	Not reported	38	16	13	Yes	4	2	Yes
Bixby, OK	P	UP	UP	UP			Reinach silt loam	No	No rotation	6/30, 7/1	10/28(P4E), 11/19(4), 11/21(5), 11/24(6)	30	24	22	Yes	4	2	Yes
Blackville, SC(A)				U	UP	P	Faceville sandy loam	Yes	Cotton	No data		38	20	12	Yes	4	2	Yes
Blackville, SC(B)					U	U	Norfolk sandy loam	Yes	Cotton	6/19	11/12	38	20	12	Yes	4	2	Yes
Clemson, SC				UP	U	U	Cecil sandy loam	No	Fallow	No data	Not harvested	38	20	12	Yes	4	2	Yes
Florence, SC				U	U	UP	Goldsboro sandy loam	No	Corn	5/22	11/19	38	20	12	Yes	4	2	Yes
Jackson, TN	P	P	P				Lexington silt loam	No	Soybean	5/13	9/30, 10/2, 10/9	30	20	20	No	4	2	Yes
Knoxville, TN	P	U	U				Sequatchie silt loam	Yes	1 year, corn	5/22	10/7, Varied	30	20	16	Yes	4	2	Yes
Springfield, TN	P	U	U				Hamblen silt loam	Yes	1 year, corn	5/20	10/2(P4E), 10/15(U4), 12/22(U5)	30	20	16	Yes	4	2	Yes
Beaumont, TX			P							Not reported	No data							
Cooper, TX	P	P					Houston black clay	No	Corn	Not reported	No data	30	20	17	Yes	4	2	Yes
Orange, VA	P	U	U				Starr silty clay loam	No		6/3	11/7, 11/19	30						
Petersburg, VA					UP		Abell sandy loam	Yes	Winter rye	Not reported	Not reported	30	16	14	Yes	4	2	No
Suffolk, VA			U				Lynchburg fine sandy loam	No	Soybean	Not reported	Not reported	20						
Warsaw, VA	P	UP	UP	U			Kempsville loam	No	06 small grains	5/22, 5/23	10/20(4), 10/29(5)	30	18	12	Yes	4	2	Yes

U - Uniform nursery grown

P - Preliminary nursery grown

, - Incomplete agronomic data was reported for Georgetown, Jackson Springs, Plymouth(B), Orange, and Suffolk

z - Row spacing, plot length planted and plot length harvested are in feet

Clemson, SC location was lost due to extreme drought.

Georgetown, DE location was lost due to weather.

Jackson Springs, NC location was lost due to Nutrient problems.

Tifton, GA, UT 8 was lost due to Disease/Nematodes.

Alexandria, LA - all plots damaged from Hurricane. UT 7 and 8 lost completely.

Kinston, NC(B) U6 - missing maturity date is due to significant variation in maturity within the plots.

LOCATION	WEATHER STATION URL	NOTES
Belle Mina, AL	National Weather Service	
Fairhope, AL	National Weather Service	
Tallassee, AL(A)	Not reported	
Tallassee, AL(B)	Not reported	
Pine Tree, AR	N/A	
Rohwer, AR	<a href="http://www.aragriculture.org/weather/default.asp">http://www.aragriculture.org/weather/default.asp</a>	
Georgetown, DE	<a href="http://www.rec.udel.edu/TopLevel/Weather.htm">http://www.rec.udel.edu/TopLevel/Weather.htm</a>	
Athens, GA (A)	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP</a>	
Athens, GA (B)	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP</a>	
Calhoun, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA</a>	
Plains, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL</a>	
Tifton, GA	<a href="http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI">http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI</a>	
Ullin, IL	None	
McCune, KS	<a href="http://www.oznet.ksu.edu/wdl/">http://www.oznet.ksu.edu/wdl/</a>	
Pittsburg, KS	<a href="http://www.oznet.ksu.edu/wdl/">http://www.oznet.ksu.edu/wdl/</a>	
Princeton, KY	<a href="http://www.agwx.ca.uky.edu/annual.shtml">http://www.agwx.ca.uky.edu/annual.shtml</a> Publications/Agri-News/oct226.pdf	
Alexandria, LA	<a href="http://www.lsuagcenter.com/weather">www.lsuagcenter.com/weather</a>	
Bossier City, LA	<a href="http://www.lsuagcenter.com/weather/taledata.asp">www.lsuagcenter.com/weather/taledata.asp</a>	
Queenstown, MD	None	
Portageville, MO(A)	<a href="http://agebb.missouri.edu/weather/realtime/portageville.asp">http://agebb.missouri.edu/weather/realtime/portageville.asp</a>	
Portageville, MO(B)	<a href="http://agebb.missouri.edu/weather/realtime/portageville.asp">http://agebb.missouri.edu/weather/realtime/portageville.asp</a>	
Starkville, MS	<a href="http://www.deltaweather.msstate.edu/">http://www.deltaweather.msstate.edu/</a>	
Stoneville, MS	<a href="http://www.deltaweather.msstate.edu/">http://www.deltaweather.msstate.edu/</a>	Stoneville is at the end of the list of weather stations
Jackson Springs, NC	<a href="http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&amp;temporal=daily">http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&amp;temporal=daily</a>	Sandhills Station, NC (Jackson Springs)
Kinston, NC	<a href="http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&amp;temporal=D">http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&amp;temporal=D</a>	Kinston, NC
Plymouth, NC(A)	<a href="http://www.nc-climate.ncsu.edu/cronos/?station=PLYM">http://www.nc-climate.ncsu.edu/cronos/?station=PLYM</a>	Tidewater Research Station
Plymouth, NC(B)	<a href="http://www.nc-climate.ncsu.edu/cronos/?station=PLYM">http://www.nc-climate.ncsu.edu/cronos/?station=PLYM</a>	Tidewater Research Station
Bixby, OK	<a href="http://www.mesonet.ou.edu">www.mesonet.ou.edu</a>	
Blackville, SC(A)	<a href="http://www.ncdc.noaa.gov/crn/">http://www.ncdc.noaa.gov/crn/</a>	
Blackville, SC(B)	<a href="http://www.ncdc.noaa.gov/crn/">http://www.ncdc.noaa.gov/crn/</a>	
Clemson, SC	<a href="http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&amp;graphspan=month&amp;month=6&amp;day=1&amp;year=2007">http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&amp;graphspan=month&amp;month=6&amp;day=1&amp;year=2007</a>	
Florence, SC	Not reported	
Jackson, TN	None on the web	
Knoxville, TN	<a href="http://www.ncdc.noaa.gov">www.ncdc.noaa.gov</a>	Look on left menu for "Find an Station" for Knoxville Experiment Station
Springfield, TN	Not reported	
Bardwell, TX	Not reported	
Cooper, TX	Not reported	
Orange, VA	Not reported	
Petersburg, VA	<a href="http://www.accuweather.com/forecast-climo.asp?partner=30371&amp;traveler=0&amp;zipChg=1&amp;zipcode=23841&amp;metric=9">http://www.accuweather.com/forecast-climo.asp?partner=30371&amp;traveler=0&amp;zipChg=1&amp;zipcode=23841&amp;metric=9</a>	This only has the past two months of data
Suffolk, VA	Not reported	
Warsaw, VA	<a href="http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472,102">http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472,102</a>	EVAREC is location name

## METHODS

### CULTURAL PRACTICES

Please see Agronomic Characteristics of Locations for details on row spacing, plot dimensions, end trimming, planting dates, harvest dates, and crop rotation. 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. Seed weights were converted to bushels per acre (60 lbs./bu.) by using the appropriate conversion factor for each location with respect to harvested plot size.

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

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

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

**Oil and Protein.** Oil and protein percentages were determined from representative locations of the uniform and preliminary tests. A 50-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 18-20 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. Severe susceptibility to SMV is indicated in the "Severe Susceptible Symptoms" column. 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. Where indicated, a segregating rating may have been caused by escapes (high instance in 2008 due to operator error).

**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 2008, 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  $(DI \cdot DS) / 9$ . DX is reported. The DX for UIV-S susceptible and resistant checks respectively, were 48.1 and 12.6. The DX for the UV susceptible and resistant checks, respectively, were 38.9 and 13.0.

## **STATISTICAL ANALYSES**

Yield data for each test at each location were analyzed by analysis of variance to obtain the coefficient of variability (C.V.) and L.S.D. ( $P = 0.05$ ) for that location. Locations with extremely high C.V.'s were not included in the combined analysis or in calculating the means across locations for yield. The yield was then analyzed across all locations within a maturity test by analysis of variance or ranks. The means of the various traits were also calculated and are reported in this publication. Protein and oil data from locations with high C.V.'s for yield were not included in the calculation of mean protein and oil across locations.

The *Rank* column indicates relative ranking of yield based on the average performance of a line across locations.

The *Average Rank* column indicates the yield rank of a line based on the average of a line's rank at each individual location.

## IDENTIFICATION OF PARENT STRAINS ♦ UPDATED IN 2004

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
5002T (Exp. TN96-68)	Holladay x Manokin	
5601T (Exp. TN96-58)	Hutcheson x TN89-39	
A72-512	Amsoy x Wayne	
A94-774021	Jacques J285 x Northrup King S29-39	
Anand	Holladay x Hartwig	
Arksoy-2913	Selection out of Arksoy	
Asmara (Exp. VS96-239)	PI 417288 x T135 x PI 83945-4	
Au82-211	N73-693 x F76-8757	
Au82-589	N74-1572 x (Govan x Davis) x F76-8846	
Au85-1088	Wright x Coker Co79-501	
Au90-585	Hutcheson x Au82-589	
Au92-763	G83-198 x Au85-1088	
Au92-916	N85-574 x Haskell	
Bay (Exp. V72-580)	York x R62-550	
Bedford (Exp. J74-46)	Forrest(2) x (D68-18 x PI 88788)	
Benning (Exp. G88-3266)	Hutcheson x Coker 6738	
Boggs (Exp. G89-2223)	G81-152 x Coker 6738	
Bolivar (Exp. DT95-15091)	A5979 x DP3589	
Bragg (Exp. F58-3786)	Jackson x D49-2491	
Bryan (Exp. G81-234)	Centennial x Bedford	
C1069	C985	
C985	Lincoln x Ogden	
Caviness	Hutcheson x A5403	
Centennial (Exp. D70-3185)	D64-4636 x Pickett 71 off-type (tawny pubescent type)	
Coker 237	Hutton x N63-858	
Coker 485	Centennial x (Hampton 266 x Bragg) x Hutton	
Coker Co72-211	Hampton 266 x Bragg	
Coker Co79-501	Coker Co72-211 x Centennial	
Coker Co82-622 (Rel. as Northrup King S83)	Braxton x Coker 368	
Colquitt (Exp. G or GA80-1011)	Wright x Braxton	
Columbus (Exp. K62-7221)	C1069 x Clark	
Cook (Exp. G83-266)	Braxton x Young	
Crawford (Exp. K1019)	Williams x Columbus	
D49-2491 (sib of Lee)	S-100 x CNS	
D49-2525 (sib of Lee)	S-100 x CNS	
D49-2573	Roanoke x N45-745	
D51-4877 (sib of Hood)	Roanoke x N45-745	
D52-810	N48-1101 x	
D53-184	D49-2525 x L46-5679	
D53-354	D49-2525 x L46-5679	
D55-4168	Ogden x Biloxi	
D56-1185	Perry x Lee	
D58-3311	Jackson (4) x D49-2491	
D58-3358	Jackson(4) x D49-2491	
D59-9289	D51-4877 x D55-4168	
D62-7816	D49-2491(5) x PI 181537 (MG 0 Narrow L Narrow leaf into D49-2491)	
D63-215	Haberlandt x Dunfield	
D64-3253	D49-2491(5) x Hawkeye	
D64-4636	Hill x D58-3311	
D65-3168	Hill (4) x PI 96983	
D65-6765	D58-3358 x D59-9289	
D67-B5	D62-7816 x Phytophthora resistant D67-B5=narrow leaf Lee res. To P.R.	
D68-18	Dyer x Bragg	
D68-216	Dyer x Bragg	D68-216 = same parentage as Forrest

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
D68-8847	Tawny pubescent type from the same cross as Pickett 71	
D70-3001	D64-4636 × D68-8847	D70-3001=same parentage as Centennial
D74-7741	Forrest × D70-3001	
D74-7824	Forrest × D70-3001	
D77-6103	Centennial × J74-49	
D79-6058	Tracy × Centennial	
D91-4657	Epps × Sharkey	
Dare (Exp. N59-6972)	Hill × D52-810	
Davis (Exp. R54-171-1)	D49-2573 × N45-1497	
Derry	[(Wilson (6) × Forrest) × (Perry × (Williams × PI 229358))] × Tracy M	
Dillon (Exp. SC84-931)	Centennial × Young	
Doles (Exp. G83-198)	D74-7741 × Young	
DR-1 = breeding line or unofficially released cultivar from Egypt. (pedigree unknown but traces to US materials).		
DT95-15091 (Rel. as Bolivar)	A5979 × DP3589	
DT96-6840	Hutcheson × Pioneer P9641	
Epps (Exp. D77-5090)	[Pickett 71(2) × (Dare(2) × PI 96983)] × J74-47	
Essex (Exp. V66-180)	Lee × S55-7075	
F76-8757	Centennial × [Forrest × (Cobb × D68-216)]	
F76-8846	Centennial × [Forrest × (Cobb × D68-216)]	
F77-1797	Centennial × Forrest × (Cobb × D68-216)	
F77-6903	Forrest × Cobb × D68-216	
F81-2815	Centennial × Cobb × Hood	
Forrest (Exp. D68-128)	Dyer × Bragg	
Fowler (Exp. J94-7)	Hartwig × Holladay	
G00-3880	G93-9201 × Cook	
G03-548RR	G95-346 × H7242 RR	
G03-695RR	G94-3117 × H7242 RR	
G03-G1126RR	G93-1749(6) × RR	
G03-G113169RR	G90-R1151E(5) × RR	
G80-1515	Pickett 71 × Bedford	
G81-152	D74-7741 × Coker 237	
G83-198 (Rel. as Doles)	D74-7741 × Young	
G83-559	D77-6103 × F77-6903	
G85-3343	PI 361064 × PI 407710	
G85-373	Gordon × Braxton	
G86-1434	D79-6058 × Twiggs	
G86-2734	PI 424195B × PI 361066A	
G87-1968	Thomas × Gordon	
G89-2223 (Rel. as Boggs)	G81-152 × Coker 6738	
G90-R1151E	Coker 82-622 × Howard	
G91-2244	F81-2815 × Colquitt	
G93-1749	G85-373 × Coker 6727	
G93-9201	G83-559 × G80-1515 (2) × PI 230977	
G94-3117	G86-1434 × Hagood	
G95-346	G86-1434 × G87-1968	
Gasoy 17	Bragg × Hood	
Govan (Exp. D66-8666)	Bragg × Semmes	
H7242 RR	Benning(4) × RR	
Hampton	Majos × Lee	Derived as a selection from Coker Hampton
Hampton 266	Selection from Hampton	
Hartwig (Exp. S88-2036)	Forrest(3) × PI 437654	
Haskell (Exp. G-84-3185)	Johnston × Braxton	
Hawkeye (Exp. A43-107 or 108)	Mukden × Richland	
Hill (Exp. D53-526)	D63-215 × D49-2525	
Holladay (Exp. N85-578)	N77-179 × Johnston	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
Hood (Exp. D51-4888)	Roanoke × N45-745	
HS 89-3261	LG 82-8379 × ASG A2943	
Hutcheson (Exp. V78-184)	V68-1034 × Essex	
Hutton	F55-822 × Roanoke × CNS-4	
J 74-5	Forrest × D68-18 × PI 88788	
J22	L37-1355 × Arksoy-2913	
J74-45	Forrest (2) × D68-18 × PI 88788	same parentage as Bedford
J74-47	Forrest(2) × (D68-18 × PI 88788)	same parentage as Bedford
J74-49	Forrest (2) × D68-18 × PI 88788	same parentage as Bedford
Jackson (Exp. N47-3479)	Volstate(2) × Palmetto	
Johnston (Exp. N76-1507)	N70-2173 × Hutton	
JTN-5104	Fowler × S95-1908	
JTN-5303	R93-171 × Anand	
K1044	Tracy × Williams	
K1191 (Rel. as KS4694)	Sherman × Toano	
K1192 (Rel. as KS4895)	Sherman × Bay	
K1235	Hutcheson × A3427	
K1276	Coker 425 × A3427	
K1364	Rhodes × Holladay	
K1393	KS5292 × Hutcheson	
K97-132	K1235 × K97-34	
K97-134	K1276 × K97-38	
K97-138	Hartwig × K97-40	
K97-34	K1235 × RR	
K97-38	K1276 × RR	
K97-40	Stressland × RR	
KS4694 (Exp. K1191)	Sherman × Toano	
KS4895 (Exp. K1192)	Sherman × Bay	
KS4997	Pioneer P5482 × Asgrow A3127	
KS5292 (Exp. K81-27-278)	Essex × Forrest	
KS5502N	Hartwig × KS4895	
KY84-1616	K1044 × Williams	
KY88-4080	K1099 × Hutcheson	
KY90-1208	A3935 × V78-184	
KY91-11114	Asgrow A3935 × KY84-1616	
KY91-1214	P9391 × KY84-1616	
L15 (Exp. L65-4059)	Wayne(6) × Clark63	L15 contains Rps 1
L37-1355	Rouge out of PI 810×	
L46-5679	Lincoln × Richland	
L49-4091	(Lincoln(2) × Richl × (Lincoln × CNS)	
L57-0034	Clark × Adams	
L70L-3048	L15 (Wayne Rps) × D64-3146	
L75-8020	Corsoy type resistant to phytophthora rot	
L76-0132	Beeson × PI 171451	
L77-443	Union × L75-8020	
L77-906	Corsoy type resistant to phytophthora rot	
L77-994	Williams (2) × PI 88788	
L80-4349	Williams (2) × PI 88788	
Lee (Exp. D49-2524)	S-100 × CNS	
Leflore (Exp. D77-6166)	Centennial × J74-47	
LG93-8169	G85-3343 × G86-2734	
Lincoln (Exp. L36-685)	Unknown ×	
LS 78-W245	Franklin × J 74-5	
LS 84-920	LS 78-W245 × Fayette	
LS92-4137	Flyer × Pyramid	
Majos	Tokyo × Yelrado	



STRAIN	FEMALE PARENT X MALE PARENT	NOTES
Manokin (Exp. Md 83-5008)	L70L-3408 × D74-7824	
Md 01-709 RR	Md 95-5358 × Md92-5850(2) × (Stressland × ResnikRR)	
Md 01-848 RR	Md 93-5581 × Manokin(3) × ResnikRR	
MD 4900 (Exp. Md 92-5769)	N85-578 × Ripley	
Md 83-5008 (Rel. as Manokin)	L70L-3048 × D74-7824	
Md 87-5669	L80-4349 × Egyptian	
Md 92-5769 (Rel. as MD 4900)	N85-578 × Ripley	
Md 92-5850	Hamilton × Bass	
Md 93-5298	Md 87-5669 × Edison	
Md 93-5581	LS 84-920 × Manokin	
MD 94-5332	Clifford × Corsica	
Md 94-5396	Ripley × Clifford	
Md 95-5358	S 88-19561 × Corsica	
MD83-5008 (Rel. as Manokin)	L70L-3048 × D74-7824	
N00-370	Au92-916 × N90-845	
N01-10974	N6201 × N95-7390	
N01-110665-1	N94-7460 × N7101	
N01-11136	NTCPR94-5157 × N96-7031	
N01-11777	Graham × N96-7031	
N01-11985	Graham × LG93-8169	
N02-7084	Cook × Anand	
N44-92	Haberlandt × Ogden	
N45-1497	Ral soy × Ogden	
N45-745	Ogden × CNS	N45-745 is res to BP
N474	N88-431(2) × (N90-2013 X C1726)	
N48-1101	Roanoke × Ogden	
N48-1248	Roanoke × N45-745	
N48-1867	Roanoke × N45-745	
N55-3818	(N45-2994 × Ogden) × (N44-92 × N48-1867)	
N55-3831	(N45-2994 × Ogden) × (N44-92 × N48-1867)	
N55-5931	Roanoke × D49-2491	
N6201 (Exp. NTCPR92-40)	Young × Nakasennari	
N63-858	D58-3358 × D59-9289	
N64-2430 (Rel. as Ransom)	(N55-5931 × N55-381) × D56-1185	
N64-2451	(N55-5931 × N55-381) × D56-1185	sib of Ransom
N7001 (Exp. N90-7199)	N77-114 × PI 416937	
N70-1501	Dare × D65-6765	
N70-1549	Dare × D65-6765	grown in 1974
N70-2173	Hampton × Ransom	
N70-2205	Hampton × Ransom	
(N70-3001, N70-3010, N70-3019, N70-3432, N70-3433, N70-3436)	T260H(N69-2774)(ms1ms1) × PI 90406 × PI 92567	
N7101 (Exp. NTCPR92-100)	Vance × Jizuka	
N7102 (Exp. NTCPR92-115)	Vance × Jizuka	
N7103 (Exp. N94-7441)	NTCPR90-143 × Pearl	
N72-3213	D67-B5 × N64-2451 pedigree of N72-3213 in Buckshot and Clifford published in Crop Science is incorrect	
N72-40	D64-3253 × D65-3168	
N73-1102	Tracy × Ransom	
N73-520	Tracy × Ransom	
N73-538	Tracy × Ransom	
N73-693	D68-216 × Ransom	
N74-1572	Govan × Davis	
N77-114	Essex × N70-2173	
N77-1602	Hutton × N70-2205	
N77-179	N70-1549 × N72-3213	
N77-940	N70-1549 × Centennial	
N78-2245	N69-2774 (ms1ms1) × PI 90409 or PI92567	N78-2245 from recurrent sel. Program

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
N79-2077	N69-2774 (ms1ms1) × 6 F3 lines (N70-3001, N70-3010, N70-3019, N70-3432, N70-3433, N70-3436)	
N79-2077-12	selection from N79-2077	
N79-491	N70-1501 × Centennial	
N79-491	N70-1501 × Centennial	
N80-777	N70-1501 × N72-40 × N73-538	
N82-2037	N73-1102 × 330-26-29-4	
N83-1014	Gasoy 17 × N77-940	
N84-1299	RS4 - Cycle 1 ×	
N85-574 (sib of Holladay)	N77-179 × Johnston	
N85-578 (sib of Holladay)	N77-179 × Johnston	
N85-67	N77-179 × Epps	
N86-491	N77-1602 × F77-1797	
N87-2117-3	N78-2245 × PI 123440	
N87-2120-3	N78-2077 × PI 123440	
N87-325	N77-114 × N77-179	
N87-539	N79-491 × Gasoy 17	
N88-431	N84-1299 × N82-2037	
N90-2013	PI 123440 × N79-2077-12	
N90-516	Hutcheson × N83-1014	
N90-541	Hutcheson × N83-1014	
N90-7199 (Rel. as N7001)	N77-114 × PI 416937	
N90-7202	N77-114 × PI 416937	
N90-7241	Gasoy × PI 416937	
N90-845	Brim × N80-777	
N93-132 (Rel. as Soyola)	Brim × N87-2117-3 × Brim	
N93-54	N85-67 × Holladay	
N94-199	Brim (3) × N87-2120-3	
N94-3405	N87-539 × Hartwig	
N94-537	Cook × Clifford	
N94-7440 (sib of N7103)	NTCPR90-143 × Pearl	
N94-7441 (Rel. as N7103)	NTCPR90-143 × Pearl	
N94-7460 (sib of N7103)	NTCPR90-143 × Pearl	
N95-7390	Young × Fukuyataka	
N96-6752	N90-7202 × N7001	
N96-7031	N7001 × N90-7241	
N97-8935	Hutcheson × PI 407948	
N97-9612	N7001 × Cook	
N97-9658	N7001 × Cook	
N97-9677	N7001 × Cook	
N97-9693	N7001 × Cook	
N98-7961	N7001 × NTCPR93-283	
N99-8137	N7001 × Graham	
NC Roy	Holladay × Brim	
Northrup King S83-30 (Exp. Coker 82-622)		
NTCPR01-42	DR-1 × Brim	
NTCPR90-143	Gasoy × Vance	
NTCPR90-172 (Rel. as Pearl)	G80-1515 × Vance	
NTCPR92-100 (Rel. as N7101)	Vance × Jizuka	
NTCPR92-115 (Rel. as N7102)	Vance × Jizuka	
NTCPR92-40 (Rel. as N6201)	Young × Nakasennari	
NTCPR93-283	Young × Suzuyataka	
NTCPR94-5157	Davis × N73-1102	
Ogden	Tokyo × PI 54610	
Pearl (Exp. NTCPR90-172)	G80-1515 × Vance	
Perry (Exp. C612)	Patoka × L37-1355	
Prichard (Exp. G90-1551)	Coker Co 82-622 × Howard	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
R62-550	Essex x G. Soja	
R89-332	Pershing x Narow	
R92-1258	Hutcheson x Walters	
R92-1294	Hutcheson x Walters	
R93-171	Hutcheson x ASG A5403	
R93-174	A5403 x Hutcheson	
R96-1083	Hamilton x Coker 6955	
R96-2361	PI 507098 x N86-491	
R96-2660	A6297 x IA 2007	
Randolph (Exp. VS 20-418)	PI 417288 x T135 x PI 83945-4	
Ransom (Exp. N64-2430)	N55-5931 x N55-3818x D56-1185	
Ripley (Exp. HC77-2204)	Hodgson x V68-1034	
Roanoke (Exp. N41-90)	Rouge in 'Nanking' (PI 71597)	
S88-19561	Forrest (3) x PI 437654	
S00-9970-09	S94-1867 x Anand	
S02-166RR	SG 498 x SS94-7482	
S02-182RR	S95-1908 x SG 498	
S02-18932RR	S97-1753 x DP 5960	
S02-19698RR	S96-2692 x DP 5960	
S02-256CR (RR)	SG 498 x S96-2692	
S02-750RR	SS94-7546 x S86-4499(4) x RR	
S55-7075	N48-1248 x Perry	
S76-2229	Forrest x V71-480	
S85-1009	Bradley x Essex	
S86-4499	L77-443 x L77-906	
S86-4499RR	S86-4499RR x RR	
S88-19561	Forrest (3) x PI 437654	
S91-1381	Hartz 5370 x Hartwig	
S91-1839	Hartwig x Coker 485	
S92-1069	MD83-5008 x Hartwig	
S94-1867	P9592 x S91-1693	
S94-1956	Holladay x Hartwig	
S94-7546	P9341 x S86-4499	
S95-1908	S92-1492 x NK S59-60	
S96-2692	Manokin x S91-1839	
S97-1753	H5545 x S91-1381	
S98-3940-43RR	S86-4499RR x DeLsoy 5500	
SC01-173	SC91-1791 x SC95-96	
SC01-778RR	Musen x SC92-2482 x [Benning x (Hagood x BC1ResnikRR)]	
SC01-832RR	SC92-3091 x SC92-2482 x [Benning x (Hagood x BC1ResnikRR)]	
SC02-122	Maxcy x (Maxcy x N474) x N94-199	
SC84-931 (Rel. as Dillon)	Centennial x Young	
SC89-147	Hutcheson x Leflore	
SC89-551	A6785 x Coker 6738	
SC91-1791	Coker 6847 x Stonewall	
SC91-2007	Northrup King S83-3x Hutcheson	
SC92-2482	Coker 6847 x Hagood	
SC92-3091	Hagood x Coker 6738	
SC92-902	Brim x Coker 82-622	
SC93-2082	Coker 6738 x G83-198	
SC93-3091	Hagood x Coker 6738	
SC95-96	BARC-8 x Md 87L-1320	
Sharkey (D79-6162)	Tracy x Centennial	
Sherman (Exp. HW8067)	A72-512 x Pella	
Shore (Exp. V69-156)	PI 80837 x Hood	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
Soyola (Exp. N93-132)	Brim x N87-2117-3 x Brim	
SS91-7138	Pioneer P9442 x Pioneer P9461	
SS94-7482	P9341 x S86-4499	
Stressland	HC80-1946 x Asgrow 3127	
TC02AXB-717	N94-7440 x N7101	
TCPPR-01-163	Dillon x Tamahikari	
TCPR01-139	Graham x Misuzu Diazu	
TN 93-87	TN85-55 x TN82-268	
TN01-056	TN93-88 x MD 4900	
TN02-06-RR	Md 94-5396 x TN95-53 x Monsanto-RR	
TN02-241	TN94-213 x MD94-5396	
TN4-86	Crawford x Bedford	
TN77-46	Forrest x Mitchell	
TN82-268	Essex x Bay x N73-520	
TN83-67	J74-45 x Mitchell	
TN84-87	V75-345 x S76-2229	
TN85-55	TN77-46 x Fayette	
TN90-03 (Rel. as TN4-94)	TN4-86 x TN84-87	
TN93-142-17	Hutcheson x TN85-55 x TN83-26	
TN93-87	TN85-55 x TN82-268	
TN93-88	TN85-55 x TN82-268	
TN93-99	is a registerd germplasm (GP-280) in 2003 Crop Sci. 43:1137	
TN94-213	S85-1009 x Hutcheson	
TN95-268	Cordell x Hutcheson	
TN95-53	TN4-86 x Kunitz	
TX 72821	TN 93-87 x MD 94-5332	
Tyrone	[(Wilson (6) x Forrest) x (Perry x (Williams x PI 229358))] x Ripley	
U94-2306	Holt x Dairyland DSR 304	
V63-76	Hill(5) x D53-354	
V66-318	D53-184 x J22	
V68-183	Lee x S55-7075	
V68-1034	York x PI 71506	
V71-480	V63-76 x V66-318	
V73-1899	prob. V68-183 x V66-318	
V73-76	Hill x D53-354	
V75-345	Essex x Shore	
V78-184 (Rel. as Hutcheson)	V68-1034 x Essex	
V79-2856	Hodgson x V73-1899	
V79-881	Essex x Ransom	
V83-2298	Will x Essex	
V84-1790	Epps x L77-994	
V84-1805	Epps x L77-994	
V87-299	Essex x V79-2856	
V88-466	Coker 237 x Toano	
V88-494	V79-881 x Toano	
V90-0798	Hutcheson x P9441	
V90-1012	Hutcheson x (FFR 561 x Toano)	
V91-0731	Chesapeake x P9441	
V91-2935	Hutcheson(2) x V84-1805	
V91-3036	Hutcheson x V84-1790	
V92-0254	Hutcheson x V83-2298	
V92-0570	Hutcheson (2) x V84-1805	
V92-0974	Hutcheson x FFR 561	
Vance	Essex x unknown wild (Glycine soja, Sieb. and Zucc.) or semi-wild soybean	
VS 20-418 (Rel. as Randolph)	PI 417288 x T135 x PI 83945-4	
VS21-441	Hutcheson x VS94-11	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
VS21-449	VS94-18 × Hutcheson	
VS22-451	Akiyoshi × VS95-76	
VS94-11	L760049 × Essex	
VS94-18	York × PI 416937	
VS95-76	L760132 × Essex (2)	
VS96-239 (Rel. as Asmara)	PI 417288 × T135 x PI 83945-4	
Wayne (Exp. L57-2222)	L49-4091 × Clark	
Williams (Exp. L66L-108)	Wayne × L57-0034	
Young (Exp. N75-2213)	Davis × Essex	

## UNIFORM GROUP IV-S

2008

Uniform Group IV-S nurseries were planted at 21 locations. Data were obtained from 18 of the locations. The parentage for each strain is reported in Table 1. Table 2 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil, protein, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 3 - 8.

TABLE 1 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5002T	Holladay X Manokin	
2. DK 4866	Commercial check	
3. AG 4403	Commercial check	
4. AG 4903	Commercial check	
5. 94M80	Commercial check	
6. JTN-4207	LS93-0375 X LS96-0735	F7
7. JTN-4307	S97-1688 x V 94-0198-5-LOAM02	F9
8. JTN-4407	SS94-7546 X HS93-4118	F7
9. JTN-4507	S97-1688 x V94-0198-13-LOAM02	F9
10. JTN-4607	LS94-3207 X S95-1908-3-LOAM02	F10
11. LG01-5087-9	LN93-11632 x LG96-1713	F7
12. LS03-4294	Pana xTN96-58	
13. R00-1194F	A4715 x DP3478	
14. R04-122	Ozark x R00-214F	
15. R04-198	SS-516 x Ozark	
16. R04-632	R98-1682 x HBK 5991	
17. R05-4114	R98-1523 x 98601	
18. S04-24039RR	P6 X S98-3940-04RR	5
19. S05-4604RR	P1 X S02-670CR	5
20. TN04-124	5601T x S94-1867	
21. TN05-5109	S97-1688 x CX1834-1-2	
22. V03-3719	V92-0254 X Md94-5341	F4
23. V03-4660	V93-2329 X Anand	F4
24. V03-4705	V93-2329 X Anand	F4
25. V03-4726	V93-2329 X Anand	F4
26. V03-7426	Stressland x LG93-77	F4
27. V03-7740	Stressland x LG92-12	F4
28. V03-7833	Stressland x LG92-12	F4
29. V03-8283	Troll x Titan	F4

**TABLE 2 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2008	07-08	06-08	2008	07-08	06-08	2008	07-08	06-08
5002T	1	6	55.1	52.5	52.6	39.6	39.7	40.1	20.9	21.4	20.8
DK 4866	5	9	51.7	51.5	51.2	39.0	39.2	39.5	21.3	21.0	20.5
AG 4403	16	14	49.0	46.6	47.3	38.6	38.5	38.8	22.5	22.8	22.3
AG 4903	12	13	49.9	50.0	51.2	39.5	39.8	40.0	21.7	21.8	21.2
94M80	20	18	46.8	.	.	41.4	.	.	21.0	.	.
JTN-4207	25	22	43.7	.	.	41.1	.	.	21.1	.	.
JTN-4307	22	18	46.4	.	.	41.4	.	.	20.4	.	.
JTN-4407	23	19	44.8	.	.	40.0	.	.	20.1	.	.
JTN-4507	21	18	46.5	.	.	41.3	.	.	20.6	.	.
JTN-4607	19	15	47.1	.	.	40.2	.	.	20.8	.	.
LG01-5087-9	18	17	47.3	.	.	38.4	.	.	21.6	.	.
LS03-4294	6	11	51.7	50.5	.	41.2	41.3	.	20.7	20.7	.
R00-1194F	7	11	51.2	50.3	49.8	39.8	39.5	39.9	21.6	21.6	21.0
R04-122	3	10	52.8	.	.	38.3	.	.	21.1	.	.
R04-198	15	15	49.4	.	.	40.4	.	.	20.1	.	.
R04-632	17	18	47.3	.	.	38.9	.	.	22.7	.	.
R05-4114	4	10	52.7	.	.	41.6	.	.	20.4	.	.
S04-24039RR	14	14	49.5	.	.	41.7	.	.	20.5	.	.
S05-4604RR	11	13	49.9	.	.	40.5	.	.	21.1	.	.
TN04-124	9	12	50.4	.	.	40.8	.	.	20.8	.	.
TN05-5109	27	21	42.7	.	.	40.0	.	.	21.1	.	.
V03-3719	10	15	50.0	.	.	41.4	.	.	20.7	.	.
V03-4660	8	12	50.5	.	.	41.4	.	.	20.7	.	.
V03-4705	2	7	54.5	.	.	41.1	.	.	20.7	.	.
V03-4726	13	12	49.8	.	.	41.8	.	.	21.0	.	.
V03-7426	24	19	43.9	.	.	40.4	.	.	21.6	.	.
V03-7740	26	23	43.4	.	.	41.2	.	.	21.8	.	.
V03-7833	29	23	42.1	.	.	40.9	.	.	22.0	.	.
V03-8283	28	21	42.3	.	.	38.9	.	.	22.1	.	.

❖Data not included in Mean: 2008 - Bossier City, LA; Knoxville, TN; Queenstown, MD; Springfield, TN  
2007 - Knoxville, TN; Pinetree, AR; Princeton, KY; Springfield, TN  
2006 - Bossier City, LA



TABLE 2 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5002T	10/04	2.0	28	2.0	15.9			
DK 4866	4-	1.8	32	2.1	15.5			
AG 4403	10-	1.6	32	2.0	14.9			
AG 4903	2-	1.6	30	1.9	16.3			
94M80	6-	1.8	34	2.1	16.9			
JTN-4207	6-	1.4	31	2.4	17.2	W	T	T
JTN-4307	0	2.2	29	1.9	13.9	P	T	T
JTN-4407	5-	2.1	35	2.3	13.3	W	T	T
JTN-4507	2+	1.8	31	1.8	14.0	W	T	T
JTN-4607	3-	2.1	29	2.0	15.0	W	T	T
LG01-5087-9	5-	2.7	35	2.2	14.6	P	G	Br
LS03-4294	0	1.5	26	2.0	14.5	W	G	
R00-1194F	2-	1.7	31	2.1	14.9	W	G	T
R04-122	1+	2.6	28	2.1	16.3	P	G	T
R04-198	1-	1.9	29	1.9	13.6	W	G	B1
R04-632	3-	2.6	35	2.1	15.6	W	G	B1
R05-4114	9-	2.3	29	1.9	14.3	P	G	T
S04-24039RR	0	2.0	33	1.9	18.2	W	T	T
S05-4604RR	0	2.2	36	1.9	17.3	W	T	T
TN04-124	1+	1.6	29	2.0	15.3	W	T	
TN05-5109	2-	2.4	34	2.0	14.2	P	T	
V03-3719	1-	1.8	28	2.0	16.0	W	T	
V03-4660	1-	2.0	28	2.0	14.5	P	T	
V03-4705	0	2.0	29	2.1	15.3	P	T	
V03-4726	3-	1.7	27	1.9	15.6	P	G	
V03-7426	16-	2.0	30	2.5	14.0	P	T	
V03-7740	14-	1.8	33	2.2	17.0	P	T	
V03-7833	16-	1.9	32	2.4	14.4	P	T	
V03-8283	14-	2.6	32	2.8	16.0	W	T	

TABLE 2 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS											
	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV G1	SMV G1	SC	SC	SDS	
	1.2.5.7	5.7	1.3.5.6.7	GA	GA	G1	SEGREGATION	SEVERE SUSCEPTIBLE	RATING	SCORE	CDX	
5002T	5	5	5	3.5	5.0	S	no	no	R	1	12.2	
DK 4866	5	4	5	3.5	5.0	R	no	no	S	5	20.4	
AG 4403	4	5	5	5.0	5.0	S	no	no	S	5	31.5	
AG 4903	4	5	5	4.5	5.0	S	no	SEVERE	S	5	35.2	
94M80	3	1	4	2.3	5.0	S	no	SEVERE	SS	3	17.6	
JTN-4207	4	1	3	5.0	5.0	S	SEG	no	R	1	59.3	
JTN-4307	1	1	1	3.5	1.0	S	SEG	no	MR	2	32.4	
JTN-4407	4	1	3	5.0	5.0	S	no	SEVERE	R	1	35.2	
JTN-4507	5	1	3	3.5	5.0	S	SEG	no	R	1	44.4	
JTN-4607	1	1	1	4.8	5.0	S	SEG	no	R	1	29.6	
LG01-5087-9	3	5	1	5.0	5.0	S	SEG	no	R	1	20.4	
LS03-4294	3	1	5	4.8	3.3	R	no	no	R	1	17.8	
R00-1194F	2	1	3	2.3	4.8	S	no	SEVERE	R	1	22.2	
R04-122	3	5	5	5.0	5.0	R	no	no	SS	3	14.8	
R04-198	3	5	5	5.0	5.0	S	SEG	no	R	1	17.8	
R04-632	3	5	5	5.0	3.8	S	SEG	no	R	1	43.0	
R05-4114	3	1	4	4.5	5.0	S	no	no	R	1	51.1	
S04-24039RR	4	1	4	4.8	5.0	R	no	no	R	1	37.0	
S05-4604RR	2	2	5	5.0	5.0	S	no	no	R	1	18.5	
TN04-124	3	1	4	4.8	1.3	R	no	no	S	5	18.7	
TN05-5109	1	1	4	5.0	5.0	S	SEG	no	R	1	50.0	
V03-3719	3	4	5	5.0	5.0	R	no	no	S	5	37.0	
V03-4660	3	1	4	4.8	5.0	S	SEG	no	R	1	33.3	
V03-4705	2	4	4	5.0	5.0	S	SEG	no	S	5	37.0	
V03-4726	2	4	4	5.0	4.3	R	no	no	S	5	42.6	
V03-7426	2	4	5	5.0	5.0	S	SEG	SEVERE	R	1	90.7	
V03-7740	4	5	5	5.0	5.0	S	no	SEVERE	R	1	33.3	
V03-7833	3	4	5	4.8	5.0	S	no	no	R	1	53.7	
V03-8283	3	5	5	4.0	5.0		no	no	R	1	33.3	

**TABLE 3 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008**

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN❖ MD	WARSAW VA	
5002T	49.5	37.3	46.0	47.7
DK 4866	40.1	37.8	46.7	43.4
AG 4403	39.8	30.1	47.0	43.4
AG 4903	38.0	36.5	42.0	40.0
94M80	38.8	35.8	41.7	40.2
JTN-4207	36.3	34.1	38.7	37.5
JTN-4307	43.7	38.3	38.0	40.9
JTN-4407	40.5	39.6	48.7	44.6
JTN-4507	45.3	42.9	43.0	44.1
JTN-4607	42.4	42.4	49.0	45.7
LG01-5087-9	38.8	32.2	43.3	41.0
LS03-4294	54.6	37.9	45.7	50.1
R00-1194F	43.0	34.4	47.7	45.4
R04-122	52.6	26.9	43.7	48.1
R04-198	44.2	28.7	46.7	45.4
R04-632	38.7	33.1	41.0	39.9
R05-4114	45.3	41.8	39.0	42.1
S04-24039RR	40.7	39.4	38.7	39.7
S05-4604RR	37.1	31.1	44.3	40.7
TN04-124	45.3	43.9	40.7	43.0
TN05-5109	36.7	40.0	44.7	40.7
V03-3719	43.9	33.1	41.3	42.6
V03-4660	48.4	40.7	48.3	48.4
V03-4705	44.7	38.9	39.3	42.0
V03-4726	47.6	40.4	43.0	45.3
V03-7426	32.7	23.1	44.7	38.7
V03-7740	36.8	22.3	36.0	36.4
V03-7833	32.1	23.0	56.3	44.2
V03-8283	23.5	22.1	50.0	36.8
LOCATION MEANS	41.4	34.8	44.0	42.7
L.S.D. (0.05)	8.6	10.0	8.8	12.1
C.V. (%)	12.6	17.5	12.2	17.2

❖Data not included in mean.

TABLE 3 ~ Continued

STRAIN/ VARIETY	SOUTH						
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5002T	51.0	54.9	58.3	30.9	48.5	62.7	56.1
DK 4866	42.7	28.8	56.3	25.2	38.0	64.8	47.0
AG 4403	49.9	32.0	51.6	18.6	25.8	59.7	42.3
AG 4903	57.0	30.4	57.4	25.6	38.9	62.4	47.3
94M80	51.7	36.6	46.8	27.2	34.1	61.7	44.8
JTN-4207	50.3	28.3	53.7	22.6	26.5	56.2	41.2
JTN-4307	54.0	35.4	42.8	28.7	42.6	60.0	45.2
JTN-4407	52.2	21.9	49.8	19.7	31.8	54.4	39.5
JTN-4507	50.9	40.0	43.9	29.6	52.0	48.4	46.1
JTN-4607	48.2	38.8	52.0	23.0	38.7	61.5	47.8
LG01-5087-9	55.4	39.6	47.3	24.0	42.3	62.0	47.8
LS03-4294	54.7	42.6	45.7	30.1	42.1	61.3	47.9
R00-1194F	55.5	37.9	57.5	20.5	41.0	62.9	49.8
R04-122	53.6	53.3	46.6	33.1	46.6	58.1	51.2
R04-198	47.4	53.5	48.0	33.6	42.9	56.1	50.1
R04-632	49.8	40.1	45.7	23.0	34.4	56.1	44.1
R05-4114	54.6	48.2	50.5	34.4	57.9	59.6	54.0
S04-24039RR	50.2	45.6	43.2	27.7	40.1	55.9	46.2
S05-4604RR	53.2	43.3	44.5	26.7	35.5	62.4	46.4
TN04-124	55.0	46.8	44.9	23.6	44.9	58.9	48.9
TN05-5109	55.0	36.6	42.3	28.0	37.6	50.1	41.7
V03-3719	51.4	39.3	42.1	21.7	37.3	55.6	43.6
V03-4660	47.0	40.2	40.1	18.2	41.3	56.6	44.5
V03-4705	58.7	46.5	48.2	24.4	46.8	61.8	50.8
V03-4726	44.4	47.9	48.4	18.6	29.1	60.3	46.4
V03-7426	44.7	25.6	51.6	13.0	21.8	57.3	39.1
V03-7740	52.8	27.2	45.6	16.7	30.1	55.1	39.5
V03-7833	42.9	25.0	45.4	12.0	23.6	57.5	37.9
V03-8283	49.3	34.9	50.6	16.9	27.1	55.4	42.0
LOCATION MEANS	51.2	38.7	48.3	24.0	37.9	58.4	45.8
L.S.D. (0.05)	14.8	9.2	7.0	7.1	7.0	5.1	8.7
C.V. (%)	17.7	14.5	8.9	18.0	11.2	5.4	15.6

❖Data not included in mean.

TABLE 3 ~ Continued

STRAIN/ VARIETY	DELTA					MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	
5002T	68.0	63.2	61.8	60.3	95.2	69.7
DK 4866	74.0	62.3	60.6	53.2	92.4	68.5
AG 4403	67.3	67.8	57.4	53.2	79.8	65.1
AG 4903	67.9	60.3	55.2	56.9	83.0	64.7
94M80	66.0	53.4	48.1	46.7	78.2	58.5
JTN-4207	69.6	62.9	46.9	39.8	77.3	59.3
JTN-4307	63.7	65.6	41.7	43.1	69.4	56.7
JTN-4407	53.8	60.0	44.3	42.0	86.7	57.4
JTN-4507	59.5	53.3	49.5	45.5	71.0	55.8
JTN-4607	70.5	63.4	47.0	31.2	69.8	56.4
LG01-5087-9	60.8	63.9	46.7	50.3	70.4	58.4
LS03-4294	72.7	60.9	58.5	42.4	93.3	65.6
R00-1194F	71.0	71.1	58.7	56.6	77.9	67.1
R04-122	67.7	57.8	63.7	60.1	88.4	67.5
R04-198	67.2	53.7	53.5	52.1	79.9	61.3
R04-632	60.5	58.2	52.3	52.9	77.4	60.3
R05-4114	68.3	58.9	59.5	54.7	80.0	64.3
S04-24039RR	61.0	66.2	61.0	52.0	83.7	64.8
S05-4604RR	60.9	64.7	57.5	57.2	84.3	64.9
TN04-124	69.3	61.7	62.6	47.9	84.1	65.1
TN05-5109	38.6	55.5	47.2	45.9	60.4	49.5
V03-3719	71.0	59.1	56.5	53.5	91.5	66.3
V03-4660	74.2	56.5	60.8	58.0	84.2	66.8
V03-4705	78.2	61.5	63.2	61.1	87.3	70.3
V03-4726	72.7	58.1	55.1	50.3	80.7	63.4
V03-7426	66.1	42.3	54.7	47.1	68.1	55.7
V03-7740	64.6	51.0	50.4	48.9	76.6	58.3
V03-7833	59.0	41.0	57.1	45.6	67.6	54.1
V03-8283	58.6	53.1	49.4	40.5	58.9	52.1
LOCATION MEANS	65.6	58.9	54.5	50.0	79.2	61.7
L.S.D. (0.05)	11.2	8.2	9.7	9.2	10.7	7.1
C.V. (%)	10.4	8.5	10.9	10.2	8.3	12.1

TABLE 3 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5002T	23.6	11.6	38.3	41.5	34.5
DK 4866	24.0	6.9	39.0	43.6	35.5
AG 4403	30.5	13.3	38.1	35.8	34.8
AG 4903	23.6	3.6	37.5	44.3	35.2
94M80	35.0	10.7	31.2	37.6	34.6
JTN-4207	18.7	13.1	26.3	30.3	25.1
JTN-4307	26.6	16.2	31.8	44.6	34.3
JTN-4407	24.6	11.4	36.3	32.7	31.2
JTN-4507	26.2	14.3	36.3	37.2	33.2
JTN-4607	22.4	6.5	38.1	34.0	31.5
LG01-5087-9	32.5	5.8	30.7	33.4	32.2
LS03-4294	22.4	9.8	36.3	45.0	34.6
R00-1194F	21.1	7.3	35.7	34.3	30.3
R04-122	23.2	18.3	37.2	39.9	33.4
R04-198	21.8	12.9	34.1	38.3	31.4
R04-632	35.2	22.5	33.9	36.4	35.2
R05-4114	36.6	8.5	40.4	39.5	38.8
S04-24039RR	31.7	18.3	39.1	34.8	35.2
S05-4604RR	33.4	23.2	38.7	35.4	35.8
TN04-124	22.0	16.2	39.4	37.7	33.0
TN05-5109	32.9	19.4	31.2	37.4	33.8
V03-3719	39.7	12.3	35.5	33.9	36.4
V03-4660	23.6	15.4	32.2	42.2	32.7
V03-4705	31.5	14.0	43.1	49.8	41.5
V03-4726	24.2	14.7	39.4	41.0	34.9
V03-7426	28.3	9.4	39.2	35.0	34.2
V03-7740	18.7	9.1	33.0	33.0	28.2
V03-7833	22.0	7.8	26.2	31.4	26.5
V03-8283	28.1	16.7	26.3	36.4	30.3
LOCATION MEANS	27.0	12.7	35.3	37.8	33.4
L.S.D. (0.05)	4.1	7.0	2.4	4.7	7.4
C.V. (%)	9.2	33.7	4.2	7.6	14.7

❖Data not included in mean.

TABLE 4 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008

## OIL PERCENTAGES

STRAIN/ VARIETY	BOSSIER		KNOX-		MCCUNE KS	ORANGE VA	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGE-		QUEENS-		STONE-		ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY❖ LA	VILLE❖ TN	VILLE MO(A)						VILLE MO(B)	PRINCETON KY	TOWN❖ MD	VILLE MS					
5002T	19.9	.	21.4	.	20.4	.	20.5	21.7	23.1	.	20.2	.	21.7	21.1	21.1	19.4	20.9	
DK 4866	21.0	.	21.3	.	20.7	.	20.7	22.2	21.7	.	21.1	.	21.9	21.3	21.1	20.9	21.3	
AG 4403	21.3	.	22.2	.	22.4	.	20.3	23.5	23.3	.	21.2	.	24.8	23.7	22.2	21.9	22.5	
AG 4903	21.1	.	22.4	.	20.4	.	21.2	22.4	23.0	.	21.1	.	23.2	21.2	21.8	22.0	21.7	
94M80	21.4	.	22.0	.	21.2	.	20.6	21.7	21.1	.	20.0	.	22.0	20.4	20.7	21.0	21.0	
JTN-4207	20.7	.	21.8	.	20.5	.	20.9	21.6	21.8	.	20.8	.	22.4	20.0	21.0	20.8	21.1	
JTN-4307	21.5	.	20.2	.	20.7	.	19.1	20.0	21.1	.	19.1	.	21.1	20.4	20.5	20.5	20.4	
JTN-4407	20.7	.	19.9	.	20.8	.	19.6	19.7	20.1	.	20.6	.	20.5	20.3	19.2	19.8	20.1	
JTN-4507	21.3	.	20.7	.	19.8	.	20.7	20.1	22.3	.	19.6	.	21.2	20.6	19.8	20.1	20.6	
JTN-4607	21.0	.	20.5	.	19.1	.	20.0	21.5	22.1	.	19.3	.	23.3	20.6	20.6	20.2	20.8	
LG01-5087-9	21.6	.	21.8	.	20.6	.	21.4	22.0	22.2	.	20.8	.	23.2	22.2	20.3	21.7	21.6	
LS03-4294	20.4	.	21.4	.	20.3	.	21.8	21.4	21.1	.	20.3	.	20.5	20.7	20.4	20.5	20.7	
R00-1194F	21.5	.	21.7	.	21.6	.	20.8	21.7	22.3	.	21.4	.	22.0	.	21.2	21.9	21.6	
R04-122	20.6	.	22.1	.	20.7	.	20.8	22.0	21.7	.	19.6	.	21.9	22.1	20.6	21.2	21.1	
R04-198	20.4	.	21.2	.	19.7	.	20.7	20.4	20.3	.	20.1	.	20.3	19.7	18.6	20.7	20.1	
R04-632	22.0	.	23.2	.	21.5	.	22.0	24.3	23.8	.	22.0	.	24.3	22.7	22.2	22.0	22.7	
R05-4114	20.3	.	20.3	.	20.2	.	20.6	20.4	20.7	.	18.9	.	20.3	21.9	19.9	20.3	20.4	
S04-24039RR	21.7	.	20.6	.	19.5	.	20.3	21.2	20.6	.	18.9	.	22.1	20.3	20.8	19.8	20.5	
S05-4604RR	20.0	.	20.8	.	21.0	.	20.6	21.4	21.5	.	19.9	.	22.7	21.9	20.6	21.4	21.1	
TN04-124	20.9	.	21.5	.	20.0	.	20.6	20.8	22.0	.	20.4	.	21.2	21.1	20.7	20.7	20.8	
TN05-5109	20.4	.	20.6	.	19.9	.	21.4	21.6	22.4	.	19.9	.	22.5	20.6	21.1	20.8	21.1	
V03-3719	19.9	.	21.1	.	20.2	.	21.3	21.7	21.5	.	19.0	.	21.1	.	20.5	20.7	20.7	
V03-4660	21.4	.	21.0	.	20.7	.	20.7	21.5	21.5	.	19.5	.	21.2	19.6	20.1	20.9	20.7	
V03-4705	21.3	.	20.9	.	20.5	.	21.5	21.0	21.0	.	20.1	.	20.7	20.4	20.3	20.2	20.7	
V03-4726	21.6	.	22.1	.	21.4	.	21.3	21.9	21.4	.	20.4	.	20.6	19.7	20.6	21.2	21.0	
V03-7426	20.6	.	20.3	.	21.2	.	21.1	22.2	23.2	.	20.3	.	23.8	22.4	21.0	20.6	21.6	
V03-7740	21.0	.	21.5	.	21.7	.	21.2	21.9	23.8	.	19.4	.	23.7	22.7	21.6	20.8	21.8	
V03-7833	20.9	.	21.7	.	22.3	.	21.3	21.6	24.1	.	20.6	.	24.5	22.2	21.6	20.7	22.0	
V03-8283	21.3	.	22.1	.	21.7	.	22.0	22.6	23.3	.	21.0	.	23.7	21.6	21.8	21.8	22.1	

❖Data not included in mean.

TABLE 4 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	BOSSIER		KNOX-	MCCUNE	ORANGE	PINE TREE	PITTSBURG	PLYMOUTH	PORTAGE -	PORTAGE -	PRINCETON	QUEENS -	ROHWER	STONE -	ULLIN	WARSAW	MEAN
	BIXBY	CITY❖	VILLE❖						VILLE	VILLE		TOWN❖		VILLE			
OK	LA	TN	KS	VA	AR	KS	NC(B)	MO(A)	MO(B)	KY	MD	AR	MS	IL	VA		
5002T	39.9	.	38.6	.	38.1	.	40.6	37.7	38.3	.	41.3	.	39.5	40.4	40.0	39.9	39.6
DK 4866	39.7	.	40.2	.	40.1	.	40.7	37.0	37.7	.	40.4	.	37.2	40.1	37.0	40.1	39.0
AG 4403	38.8	.	38.9	.	39.5	.	41.3	36.6	38.3	.	41.7	.	34.7	37.7	39.4	38.1	38.6
AG 4903	40.9	.	40.6	.	40.4	.	40.1	38.0	38.6	.	40.5	.	37.5	41.2	39.1	39.2	39.5
94M80	41.5	.	41.7	.	41.6	.	42.3	40.9	41.2	.	42.9	.	39.9	41.8	41.0	40.8	41.4
JTN-4207	41.3	.	42.0	.	42.2	.	42.6	41.3	39.8	.	41.3	.	38.7	42.2	40.9	41.1	41.1
JTN-4307	41.5	.	41.5	.	41.6	.	41.5	40.5	40.6	.	42.9	.	41.6	41.2	41.0	41.3	41.4
JTN-4407	39.7	.	40.6	.	41.3	.	40.5	39.2	39.5	.	40.3	.	38.0	40.9	41.1	39.3	40.0
JTN-4507	41.3	.	41.4	.	40.2	.	40.1	41.4	41.2	.	43.2	.	42.2	41.3	41.5	40.1	41.3
JTN-4607	40.1	.	41.0	.	41.1	.	39.6	39.7	39.8	.	43.4	.	36.9	40.9	40.0	40.4	40.2
LG01-5087-9	38.8	.	39.3	.	39.1	.	39.0	36.7	37.8	.	40.4	.	36.4	38.3	39.4	37.9	38.4
LS03-4294	41.4	.	40.3	.	40.4	.	42.0	41.3	40.3	.	42.0	.	40.7	41.4	41.3	40.9	41.2
R00-1194F	40.9	.	40.0	.	40.2	.	41.0	39.9	39.1	.	39.8	.	38.2	.	39.4	39.4	39.8
R04-122	37.7	.	39.1	.	37.3	.	39.3	39.3	37.7	.	40.6	.	36.0	36.6	38.5	39.6	38.3
R04-198	40.5	.	39.8	.	40.2	.	40.9	39.5	40.2	.	40.9	.	39.8	40.1	41.1	41.0	40.4
R04-632	38.4	.	39.7	.	39.4	.	39.8	36.2	38.8	.	41.3	.	37.1	39.6	39.1	39.5	38.9
R05-4114	40.8	.	41.5	.	41.8	.	42.5	40.8	41.3	.	44.1	.	41.1	40.0	42.3	41.6	41.6
S04-24039RR	40.9	.	42.1	.	42.4	.	41.4	40.3	40.5	.	44.1	.	40.0	43.1	42.8	41.8	41.7
S05-4604RR	40.6	.	40.5	.	40.5	.	40.4	38.8	41.3	.	42.1	.	37.9	41.5	41.5	39.9	40.5
TN04-124	40.2	.	39.9	.	41.0	.	40.9	39.9	39.9	.	42.8	.	41.4	40.4	41.1	39.9	40.8
TN05-5109	40.9	.	41.0	.	40.3	.	40.9	39.6	39.0	.	41.4	.	39.0	39.9	40.3	39.1	40.0
V03-3719	42.1	.	40.7	.	41.2	.	41.8	39.1	40.9	.	43.8	.	40.7	.	41.4	41.2	41.4
V03-4660	41.8	.	41.3	.	40.2	.	40.5	40.1	41.4	.	42.3	.	40.7	43.0	41.8	41.8	41.4
V03-4705	41.6	.	41.5	.	39.9	.	41.3	40.2	40.5	.	42.4	.	40.0	42.7	41.0	41.1	41.1
V03-4726	42.0	.	40.6	.	40.9	.	41.7	40.1	40.9	.	43.6	.	41.7	45.1	41.2	40.8	41.8
V03-7426	40.7	.	41.1	.	40.8	.	41.4	38.8	39.0	.	43.0	.	36.5	41.3	41.6	40.8	40.4
V03-7740	40.1	.	40.9	.	41.3	.	43.0	40.6	39.6	.	43.9	.	38.9	40.6	41.9	41.6	41.2
V03-7833	40.8	.	40.8	.	40.9	.	42.7	40.3	38.9	.	43.0	.	36.9	40.1	42.9	42.0	40.9
V03-8283	39.5	.	37.7	.	39.0	.	40.7	39.9	35.6	.	40.0	.	35.6	41.4	38.4	38.7	38.9

❖Data not included in mean.



TABLE 4 ~ Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	BOSSIER		KNOX-	MCCUNE KS	ORANGE VA	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGE-		PRINCETON KY	QUEENS-	ROHWER AR	STONE-		ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY❖ LA	VILLE❖ TN						VILLE	VILLE MO(B)		TOWN❖ MD		VILLE MS				
5002T	17.7	15.2	15.6	15.7	19.1	17.1	15.5	.	15.8	14.5	12.1	15.8	16.2	16.9	14.6	15.7	15.9	
DK 4866	17.6	17.2	14.1	14.9	21.9	16.8	16.6	.	14.5	13.1	13.7	17.9	13.5	14.0	13.9	16.0	15.5	
AG 4403	16.8	13.4	11.8	16.1	19.0	14.8	15.5	.	13.8	13.4	12.3	14.8	10.9	17.4	12.5	16.5	14.9	
AG 4903	17.2	14.2	15.2	18.1	22.6	15.3	17.0	.	15.4	15.2	12.9	17.6	14.3	17.1	14.6	15.8	16.3	
94M80	18.4	15.4	15.7	18.0	22.8	17.5	17.5	.	16.2	15.1	13.3	18.0	14.5	18.1	15.6	16.3	16.9	
JTN-4207	18.2	15.0	17.3	18.5	22.4	17.2	18.1	.	15.2	15.7	15.7	19.5	14.2	19.1	15.8	15.8	17.2	
JTN-4307	15.5	13.2	13.5	15.6	17.3	13.8	13.4	.	12.2	13.1	11.9	14.4	12.3	13.5	12.0	16.1	13.9	
JTN-4407	16.5	12.8	12.1	16.0	18.1	12.8	14.3	.	10.8	11.4	11.7	14.7	10.8	11.9	11.5	14.1	13.3	
JTN-4507	15.3	13.4	14.5	17.8	18.5	13.7	15.4	.	12.3	12.3	10.6	15.2	12.7	12.6	11.4	15.2	14.0	
JTN-4607	17.4	14.8	15.6	15.9	20.6	15.4	14.3	.	14.1	13.8	13.1	16.6	12.3	14.8	12.8	15.8	15.0	
LG01-5087-9	17.8	15.7	16.0	15.8	19.8	14.5	14.6	.	13.6	13.5	11.7	15.1	12.3	12.6	13.3	16.0	14.6	
LS03-4294	15.6	13.4	13.7	15.4	20.1	14.1	13.4	.	13.8	13.2	10.9	16.7	13.9	13.6	12.1	15.4	14.5	
R00-1194F	16.2	15.6	14.4	16.7	20.5	14.1	15.7	.	13.9	13.9	12.5	17.0	12.8	14.0	13.3	15.2	14.9	
R04-122	17.2	16.0	15.6	17.3	20.4	17.2	16.6	.	15.7	16.1	12.2	15.6	16.0	15.8	14.8	15.9	16.3	
R04-198	15.3	12.1	12.9	13.6	17.7	13.0	16.6	.	12.1	12.7	10.3	12.9	11.7	12.8	11.5	15.6	13.6	
R04-632	15.9	17.1	15.5	16.9	22.2	15.7	16.1	.	16.3	14.5	13.0	15.4	13.4	14.1	12.8	15.9	15.6	
R05-4114	17.0	14.8	12.6	15.9	19.8	13.0	14.1	.	11.9	13.0	11.0	15.1	12.8	13.4	13.0	16.4	14.3	
S04-24039RR	18.8	18.8	18.6	18.6	25.2	18.6	19.1	.	17.8	18.1	14.6	20.3	15.7	18.0	16.3	17.3	18.2	
S05-4604RR	19.6	14.8	17.7	20.1	22.5	17.5	16.9	.	16.8	15.7	13.2	19.1	14.0	19.0	16.3	16.5	17.3	
TN04-124	17.8	13.9	15.1	15.6	19.9	15.4	16.1	.	13.5	14.3	12.0	16.1	15.0	14.6	13.3	16.2	15.3	
TN05-5109	17.9	15.5	15.2	14.7	18.9	13.3	16.1	.	13.1	12.1	11.4	14.4	13.3	10.7	13.2	15.5	14.2	
V03-3719	18.9	14.7	14.5	16.8	22.2	16.8	17.1	.	16.8	15.5	11.0	17.6	14.7	12.5	14.4	15.1	16.0	
V03-4660	17.9	15.3	12.8	15.6	17.8	15.6	15.2	.	12.3	14.1	11.0	14.9	13.1	14.0	12.2	15.2	14.5	
V03-4705	17.6	14.5	15.2	17.5	19.8	15.7	16.6	.	13.8	14.5	12.0	17.3	12.6	13.8	14.2	14.9	15.3	
V03-4726	17.9	16.0	14.7	17.1	20.1	16.6	15.8	.	14.2	13.7	11.2	16.0	13.9	16.8	13.1	16.3	15.6	
V03-7426	15.1	13.0	11.6	15.4	17.6	14.8	14.2	.	11.8	12.1	11.5	12.7	10.8	16.1	12.8	15.5	14.0	
V03-7740	18.7	16.1	14.0	19.7	21.7	18.7	17.0	.	14.9	16.8	13.6	15.8	14.0	16.2	16.2	16.1	17.0	
V03-7833	15.5	14.0	11.1	16.2	17.2	16.0	12.9	.	11.5	14.4	12.5	13.7	11.1	15.9	14.6	15.2	14.4	
V03-8283	19.2	16.7	13.9	18.5	19.9	17.4	17.1	.	14.4	14.3	13.0	15.0	12.1	14.4	14.9	16.8	16.0	

❖Data not included in mean.

**TABLE 5 ~ RELATIVE MATURITY DATA, DAYS EARLIER(-) OR LATER (+) THAN 5002T, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008**

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC(B)	QUEENSTOWN❖ MD	WARSAW VA		
5002T	10/05	10/17	10/07	10/06	
DK 4866	-1	-1	-5		-3
AG 4403	-4	-7	-16		-10
AG 4903	3	-1	-7		-2
94M80	-3	-1	-9		-6
JTN-4207	-7	-5	-7		-7
JTN-4307	4	1	3		4
JTN-4407	-4	1	-5		-4
JTN-4507	6	6	3		5
JTN-4607	-1	1	2		0
LG01-5087-9	-6	-1	-10		-8
LS03-4294	7	1	3		5
R00-1194F	0	1	-1		0
R04-122	7	2	2		4
R04-198	0	1	1		1
R04-632	1	1	-1		0
R05-4114	6	6	5		5
S04-24039RR	5	1	-1		2
S05-4604RR	3	-1	-1		1
TN04-124	3	1	3		3
TN05-5109	-3	2	0		-1
V03-3719	2	1	-1		1
V03-4660	2	4	-2		0
V03-4705	3	6	2		3
V03-4726	2	1	1		1
V03-7426	-9	-11	-24		-16
V03-7740	-8	-10	-19		-13
V03-7833	-10	-7	-20		-15
V03-8283	-10	-11	-20		-15

❖Data not included in mean.

TABLE 5 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	
5002T	10/03	10/15	.	09/26	.	10/09	10/12
DK 4866	-6	0	.	-5	.	-3	-1
AG 4403	-14	-7	.	-9	.	-5	-6
AG 4903	-3	5	.	-6	.	-2	2
94M80	-9	0	.	-6	.	-1	0
JTN-4207	-7	0	.	-6	.	-4	-2
JTN-4307	1	0	.	-6	.	1	1
JTN-4407	-5	-2	.	-4	.	-1	-2
JTN-4507	-4	0	.	-8	.	2	1
JTN-4607	-5	0	.	-6	.	0	0
LG01-5087-9	-3	5	.	-6	.	-2	2
LS03-4294	-4	0	.	-6	.	1	0
R00-1194F	-2	0	.	-7	.	-1	0
R04-122	1	0	.	-4	.	3	2
R04-198	-1	0	.	-6	.	2	1
R04-632	-5	0	.	-4	.	-2	-1
R05-4114	-4	0	.	-6	.	4	2
S04-24039RR	-5	0	.	-3	.	1	1
S05-4604RR	-10	5	.	-1	.	1	3
TN04-124	-4	0	.	-4	.	2	1
TN05-5109	-8	0	.	-5	.	-1	0
V03-3719	-12	0	.	-5	.	1	0
V03-4660	1	5	.	-8	.	0	3
V03-4705	-1	0	.	-7	.	3	2
V03-4726	-11	0	.	-4	.	-2	-1
V03-7426	-16	-12	.	-18	.	-8	-10
V03-7740	-17	-9	.	-17	.	-6	-8
V03-7833	-17	-14	.	-19	.	-7	-11
V03-8283	-17	-14	.	-17	.	-6	-10

❖Data not included in mean.

TABLE 5 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	MEAN
5002T	10/03	09/26	10/10	09/29	09/19	09/29
DK 4866	-4	-4	0	-3	-10	-4
AG 4403	-8	-8	-9	-11	-20	-11
AG 4903	-3	-1	-1	1	-7	-2
94M80	-7	-5	-6	-9	-10	-7
JTN-4207	-7	-2	-8	-9	-10	-7
JTN-4307	-4	2	-1	-1	-1	-1
JTN-4407	-12	-2	-4	-5	-10	-6
JTN-4507	-1	4	4	1	0	2
JTN-4607	-3	-3	-6	-7	-4	-4
LG01-5087-9	-6	-3	-4	-7	-9	-5
LS03-4294	0	1	1	1	-6	0
R00-1194F	-3	-1	0	1	-11	-3
R04-122	-1	2	2	1	-6	0
R04-198	-3	-1	0	-4	-6	-2
R04-632	-4	-2	-4	-7	-9	-5
R05-4114	-2	4	4	0	-5	-18
S04-24039RR	0	0	3	-2	-6	-1
S05-4604RR	-1	1	-1	-2	-3	-1
TN04-124	-1	4	4	1	-3	1
TN05-5109	-6	1	0	0	-4	-1
V03-3719	-4	0	2	-3	-3	-1
V03-4660	-1	-2	0	-1	-7	-2
V03-4705	-2	0	2	-3	-5	-1
V03-4726	-4	-2	-3	-1	-11	-4
V03-7426	-14	-18	-13	-18	-23	-17
V03-7740	-11	-16	-12	-17	-23	-15
V03-7833	-16	-18	-13	-19	-27	-18
V03-8283	-14	-12	-12	-18	-18	-15

TABLE 5 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5002T	.	09/17	.	.	.
DK 4866	.	0	.	.	.
AG 4403	.	-9	.	.	.
AG 4903	.	-6	.	.	.
94M80	.	-14	.	.	.
JTN-4207	.	-7	.	.	.
JTN-4307	.	0	.	.	.
JTN-4407	.	-5	.	.	.
JTN-4507	.	0	.	.	.
JTN-4607	.	0	.	.	.
LG01-5087-9	.	-7	.	.	.
LS03-4294	.	0	.	.	.
R00-1194F	.	0	.	.	.
R04-122	.	0	.	.	.
R04-198	.	-2	.	.	.
R04-632	.	0	.	.	.
R05-4114	.	0	.	.	.
S04-24039RR	.	2	.	.	.
S05-4604RR	.	0	.	.	.
TN04-124	.	0	.	.	.
TN05-5109	.	5	.	.	.
V03-3719	.	-7	.	.	.
V03-4660	.	0	.	.	.
V03-4705	.	1	.	.	.
V03-4726	.	0	.	.	.
V03-7426	.	-7	.	.	.
V03-7740	.	-14	.	.	.
V03-7833	.	-12	.	.	.
V03-8283	.	-7	.	.	.

❖Data not included in mean.

TABLE 6 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN❖ MD	WARSAW VA	
5002T	30	27	37	34
DK 4866	33	22	38	36
AG 4403	32	24	37	35
AG 4903	31	23	32	32
94M80	36	28	39	38
JTN-4207	36	31	38	37
JTN-4307	32	26	39	36
JTN-4407	40	23	40	40
JTN-4507	36	28	38	37
JTN-4607	32	25	44	38
LG01-5087-9	40	24	34	37
LS03-4294	27	22	33	30
R00-1194F	33	22	32	32
R04-122	31	23	35	33
R04-198	32	25	37	35
R04-632	33	28	39	36
R05-4114	28	25	34	31
S04-24039RR	37	23	38	37
S05-4604RR	36	32	42	39
TN04-124	30	25	39	34
TN05-5109	33	23	34	34
V03-3719	27	26	37	32
V03-4660	31	23	32	31
V03-4705	30	24	35	33
V03-4726	30	22	32	31
V03-7426	29	20	30	30
V03-7740	34	23	38	36
V03-7833	33	23	40	37
V03-8283	36	25	37	37

❖Data not included in mean.

TABLE 6 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	
5002T	30	29	42	23	18	35	31
DK 4866	38	22	47	20	26	37	33
AG 4403	37	24	44	20	27	37	33
AG 4903	37	22	42	22	23	38	31
94M80	38	29	48	25	28	42	37
JTN-4207	40	25	41	23	22	36	31
JTN-4307	31	29	37	26	24	39	32
JTN-4407	34	24	47	25	31	42	36
JTN-4507	35	32	41	23	26	40	35
JTN-4607	33	32	40	25	28	41	35
LG01-5087-9	34	27	43	23	33	40	36
LS03-4294	33	25	36	20	23	32	29
R00-1194F	36	27	41	20	29	35	33
R04-122	32	28	34	25	24	34	30
R04-198	36	31	37	23	26	37	33
R04-632	34	27	42	22	30	36	34
R05-4114	33	30	38	23	25	37	33
S04-24039RR	36	24	43	21	27	38	33
S05-4604RR	39	29	46	22	36	42	38
TN04-124	36	30	40	25	24	38	33
TN05-5109	35	24	40	20	31	36	33
V03-3719	32	27	38	21	24	34	31
V03-4660	28	26	37	20	22	36	30
V03-4705	31	28	37	21	21	37	31
V03-4726	31	26	36	18	18	34	29
V03-7426	37	24	39	20	25	35	31
V03-7740	38	27	42	23	30	40	35
V03-7833	34	25	40	23	26	39	33
V03-8283	35	26	42	23	28	38	33

❖Data not included in mean.

TABLE 6 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	MEAN
5002T	26	29	28	22	26	26
DK 4866	36	39	31	30	34	34
AG 4403	36	36	29	34	26	32
AG 4903	36	34	30	28	28	31
94M80	33	40	31	32	32	34
JTN-4207	34	36	29	31	32	32
JTN-4307	28	30	24	21	26	26
JTN-4407	36	43	33	31	32	35
JTN-4507	29	30	30	25	26	28
JTN-4607	24	26	26	21	24	24
LG01-5087-9	40	47	34	34	44	40
LS03-4294	22	25	27	21	26	24
R00-1194F	37	35	27	29	30	31
R04-122	27	31	30	25	28	28
R04-198	26	29	26	24	30	27
R04-632	42	46	34	35	43	40
R05-4114	29	30	31	20	28	27
S04-24039RR	39	39	36	32	34	36
S05-4604RR	39	37	33	33	32	35
TN04-124	27	31	27	23	28	27
TN05-5109	40	39	35	33	50	39
V03-3719	24	26	28	27	30	27
V03-4660	25	27	28	26	28	27
V03-4705	22	26	35	30	28	28
V03-4726	22	27	28	20	28	25
V03-7426	30	31	34	29	36	32
V03-7740	33	35	29	35	36	33
V03-7833	30	34	32	32	36	33
V03-8283	30	37	29	31	36	33



TABLE 6 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5002T	18	15	24	28	23
DK 4866	24	19	27	25	25
AG 4403	26	24	30	25	27
AG 4903	22	18	28	27	26
94M80	28	22	29	32	29
JTN-4207	22	23	29	29	26
JTN-4307	20	14	22	30	24
JTN-4407	27	23	35	33	32
JTN-4507	25	15	24	29	26
JTN-4607	16	15	26	29	24
LG01-5087-9	22	21	27	30	26
LS03-4294	13	14	20	29	21
R00-1194F	21	20	27	27	25
R04-122	19	17	23	27	23
R04-198	18	18	27	30	25
R04-632	25	27	28	28	27
R05-4114	20	13	23	28	23
S04-24039RR	26	27	29	27	28
S05-4604RR	31	26	38	33	34
TN04-124	15	17	20	29	21
TN05-5109	22	30	26	28	25
V03-3719	18	17	23	25	22
V03-4660	19	15	23	27	23
V03-4705	21	16	25	28	25
V03-4726	21	15	20	29	23
V03-7426	25	22	29	26	26
V03-7740	24	21	30	30	28
V03-7833	21	24	28	29	26
V03-8283	23	23	29	28	27

❖Data not included in mean.

**TABLE 7 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S,  
2008**

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN❖ MD	WARSAW VA	
5002T	1.7	1.3	1.8	1.8
DK 4866	1.5	1.0	1.8	1.7
AG 4403	1.5	1.0	1.8	1.7
AG 4903	1.5	1.2	1.2	1.3
94M80	1.5	1.0	1.8	1.7
JTN-4207	1.5	1.0	1.5	1.5
JTN-4307	2.3	1.0	2.7	2.5
JTN-4407	2.5	1.0	2.3	2.4
JTN-4507	1.5	1.2	2.0	1.8
JTN-4607	2.5	1.2	2.7	2.6
LG01-5087-9	2.2	1.3	1.0	1.6
LS03-4294	1.3	1.0	1.7	1.5
R00-1194F	1.5	1.2	1.3	1.4
R04-122	2.0	1.0	2.7	2.3
R04-198	1.5	1.0	1.8	1.7
R04-632	2.0	1.3	2.3	2.2
R05-4114	1.7	1.0	3.0	2.3
S04-24039RR	1.5	1.0	2.0	1.8
S05-4604RR	2.2	1.0	1.7	1.9
TN04-124	1.5	1.0	1.8	1.7
TN05-5109	2.2	1.0	1.7	1.9
V03-3719	1.5	1.0	1.7	1.6
V03-4660	1.8	1.0	1.7	1.8
V03-4705	1.5	1.0	2.0	1.8
V03-4726	1.5	1.0	2.0	1.8
V03-7426	1.5	1.0	1.3	1.4
V03-7740	1.7	1.0	2.0	1.8
V03-7833	1.8	1.0	2.0	1.9
V03-8283	2.5	1.0	2.2	2.3

❖Data not included in mean.

TABLE 7 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	
5002T	2.3	1.0	2.7	1.0	1.0	2.7	1.8
DK 4866	2.8	1.0	2.3	1.0	1.0	1.7	1.5
AG 4403	3.0	1.0	2.0	1.0	1.0	1.3	1.3
AG 4903	2.2	1.0	2.3	1.0	1.0	1.3	1.4
94M80	3.5	1.0	2.0	1.0	1.0	2.0	1.5
JTN-4207	3.3	1.0	2.2	1.0	1.0	1.0	1.3
JTN-4307	2.8	1.7	3.7	1.0	1.0	2.3	2.2
JTN-4407	2.3	1.0	3.3	1.0	1.0	3.0	2.1
JTN-4507	2.7	1.3	3.2	1.0	1.0	2.0	1.9
JTN-4607	3.0	1.3	3.5	1.0	1.0	2.3	2.0
LG01-5087-9	3.2	1.0	4.7	1.0	1.0	3.0	2.4
LS03-4294	3.3	1.0	2.8	1.0	1.0	1.0	1.5
R00-1194F	2.3	1.0	2.5	1.0	1.0	1.0	1.4
R04-122	2.5	1.0	4.8	1.0	1.0	4.0	2.7
R04-198	3.5	1.0	3.7	1.0	1.0	2.3	2.0
R04-632	3.2	1.0	3.0	1.0	1.0	3.3	2.1
R05-4114	4.0	1.7	4.3	1.0	1.0	4.0	2.8
S04-24039RR	3.3	1.0	2.8	1.0	1.0	2.0	1.7
S05-4604RR	3.7	1.0	2.7	1.0	1.0	2.3	1.8
TN04-124	3.8	1.0	3.0	1.0	1.0	1.7	1.7
TN05-5109	3.5	1.0	3.7	1.0	1.0	3.3	2.3
V03-3719	2.8	1.0	3.0	1.0	1.0	2.7	1.9
V03-4660	3.0	1.0	3.7	1.0	1.0	3.0	2.2
V03-4705	2.7	1.0	4.0	1.0	1.0	3.7	2.4
V03-4726	2.3	1.0	2.7	1.0	1.0	2.7	1.8
V03-7426	4.2	1.0	3.0	1.0	1.0	1.7	1.7
V03-7740	3.0	1.0	2.2	1.0	1.0	1.7	1.5
V03-7833	2.8	1.0	2.5	1.0	1.0	1.7	1.5
V03-8283	3.8	1.0	3.0	1.0	1.0	3.3	2.1

❖Data not included in mean.

TABLE 7 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5002T	1.7	1.0	3.3	2.0	2.0
DK 4866	2.3	1.7	2.7	3.0	2.4
AG 4403	2.2	2.0	2.0	2.0	2.0
AG 4903	2.3	2.3	2.3	2.0	2.3
94M80	2.3	2.3	2.0	3.0	2.4
JTN-4207	2.2	1.3	1.7	2.0	1.8
JTN-4307	2.3	1.7	1.7	2.0	1.9
JTN-4407	3.0	2.3	2.0	3.0	2.6
JTN-4507	1.7	1.3	2.0	2.0	1.8
JTN-4607	1.5	1.0	2.0	2.0	1.6
LG01-5087-9	4.3	3.3	3.3	5.0	4.0
LS03-4294	1.2	1.0	2.0	2.0	1.5
R00-1194F	2.2	2.3	2.7	3.0	2.5
R04-122	2.7	1.7	3.7	2.0	2.5
R04-198	1.7	1.0	2.7	2.0	1.8
R04-632	4.0	4.0	4.0	4.0	4.0
R05-4114	1.8	1.7	3.7	2.0	2.3
S04-24039RR	2.7	2.7	3.3	3.0	2.9
S05-4604RR	3.2	2.0	3.0	3.0	2.8
TN04-124	1.5	1.3	2.0	2.0	1.7
TN05-5109	4.0	4.0	3.3	3.0	3.6
V03-3719	1.3	1.0	3.3	2.0	1.9
V03-4660	1.7	1.0	4.0	2.0	2.2
V03-4705	1.2	1.3	3.0	2.0	1.9
V03-4726	1.0	1.0	2.3	2.0	1.6
V03-7426	2.7	1.7	2.3	3.0	2.4
V03-7740	2.3	1.7	2.0	3.0	2.3
V03-7833	2.8	1.7	2.0	3.0	2.4
V03-8283	3.5	2.3	4.0	4.0	3.5

TABLE 7 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5002T	.	1.0	3.7	2.0	2.8
DK 4866	.	1.0	1.0	1.0	1.0
AG 4403	.	1.2	1.3	1.0	1.2
AG 4903	.	1.3	1.3	1.0	1.2
94M80	1.0	1.2	2.0	1.0	1.3
JTN-4207	.	1.2	1.0	1.0	1.0
JTN-4307	1.0	1.0	3.0	2.7	2.2
JTN-4407	1.0	1.3	2.0	1.3	1.4
JTN-4507	.	1.0	1.7	1.7	1.7
JTN-4607	.	1.0	2.0	3.3	2.7
LG01-5087-9	.	1.0	2.0	1.3	1.7
LS03-4294	.	1.0	1.3	1.3	1.3
R00-1194F	1.0	1.3	1.0	1.0	1.0
R04-122	.	1.0	2.7	2.7	2.7
R04-198	.	1.0	1.7	2.0	1.8
R04-632	.	1.7	2.0	1.0	1.5
R05-4114	.	1.0	1.0	1.7	1.3
S04-24039RR	.	1.7	1.0	1.0	1.0
S05-4604RR	.	1.7	2.7	1.7	2.2
TN04-124	.	1.0	1.3	1.3	1.3
TN05-5109	1.0	2.0	2.3	1.0	1.4
V03-3719	.	1.0	1.7	1.0	1.3
V03-4660	.	1.0	1.7	2.0	1.8
V03-4705	.	1.0	1.7	2.0	1.8
V03-4726	.	1.2	1.3	2.0	1.7
V03-7426	.	1.3	2.7	1.7	2.2
V03-7740	1.0	1.0	2.3	1.0	1.4
V03-7833	1.0	1.3	2.3	1.3	1.6
V03-8283	1.0	1.3	2.3	3.0	2.1

❖Data not included in mean.

TABLE 8 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2008

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN❖ MD	WARSAW VA	
5002T	1.5	1.8	2.5	2.0
DK 4866	2.5	1.8	2.3	2.4
AG 4403	1.5	1.2	2.0	1.8
AG 4903	1.8	1.7	2.3	2.1
94M80	2.3	1.5	2.5	2.4
JTN-4207	2.2	1.5	2.5	2.3
JTN-4307	1.3	2.0	2.7	2.0
JTN-4407	2.8	1.5	2.0	2.4
JTN-4507	1.3	1.7	2.3	1.8
JTN-4607	1.3	1.8	2.0	1.7
LG01-5087-9	2.0	1.2	1.8	1.9
LS03-4294	1.3	1.5	2.3	1.8
R00-1194F	1.7	1.5	2.7	2.2
R04-122	2.0	1.2	2.3	2.2
R04-198	1.3	1.3	2.8	2.1
R04-632	2.0	1.3	2.2	2.1
R05-4114	1.7	1.8	2.5	2.1
S04-24039RR	1.7	1.7	2.3	2.0
S05-4604RR	2.0	1.7	2.2	2.1
TN04-124	1.2	2.3	2.5	1.8
TN05-5109	1.8	3.3	2.7	2.3
V03-3719	1.3	1.7	2.3	1.8
V03-4660	1.3	1.7	2.3	1.8
V03-4705	1.3	1.7	1.8	1.6
V03-4726	1.5	2.2	2.0	1.8
V03-7426	2.8	2.5	2.3	2.6
V03-7740	2.0	2.0	2.0	2.0
V03-7833	2.7	2.8	2.7	2.7
V03-8283	3.0	3.0	2.7	2.8

❖Data not included in mean.

TABLE 8 ~ Continued

STRAIN/ VARIETY	SOUTH				MEAN
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5002T	1.5	1.5	2.0	1.0	1.5
DK 4866	1.8	1.5	2.0	1.0	1.5
AG 4403	1.5	2.0	2.0	1.0	1.7
AG 4903	1.5	1.5	1.0	1.0	1.2
94M80	1.7	1.5	1.0	1.0	1.2
JTN-4207	2.0	2.2	3.0	1.0	2.1
JTN-4307	1.2	1.3	2.0	1.0	1.4
JTN-4407	1.8	1.5	2.0	1.0	1.5
JTN-4507	1.3	1.3	1.0	1.0	1.1
JTN-4607	1.5	1.5	2.0	1.7	1.7
LG01-5087-9	1.2	1.8	2.0	1.0	1.6
LS03-4294	1.2	1.7	2.0	1.0	1.6
R00-1194F	1.8	1.5	2.0	1.0	1.5
R04-122	1.3	1.7	1.0	1.0	1.2
R04-198	1.3	1.5	1.0	1.0	1.2
R04-632	1.3	1.3	2.0	1.0	1.4
R05-4114	1.2	1.5	1.0	1.0	1.2
S04-24039RR	1.5	1.7	3.0	1.0	1.9
S05-4604RR	2.0	1.5	1.0	1.0	1.2
TN04-124	1.5	1.5	1.0	1.0	1.2
TN05-5109	1.5	1.2	2.0	1.0	1.4
V03-3719	1.2	1.5	2.0	1.0	1.5
V03-4660	1.2	1.3	3.0	1.0	1.8
V03-4705	2.2	1.7	2.0	1.0	1.6
V03-4726	1.2	1.5	2.0	1.0	1.5
V03-7426	1.8	2.2	3.0	1.0	2.1
V03-7740	1.5	2.3	2.0	1.0	1.8
V03-7833	1.7	1.8	3.0	1.0	1.9
V03-8283	2.3	3.0	3.0	1.3	2.4

TABLE 8 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	MEAN
5002T	1.2	2.0	4.0	3.2	2.0	2.5
DK 4866	1.2	3.0	4.0	3.0	2.0	2.6
AG 4403	1.0	3.0	3.0	3.2	2.0	2.4
AG 4903	1.2	3.0	3.0	3.0	2.0	2.4
94M80	1.5	4.0	3.0	3.3	2.0	2.8
JTN-4207	1.0	4.0	4.0	3.5	2.0	2.9
JTN-4307	0.7	2.0	3.0	2.7	2.0	2.1
JTN-4407	1.3	4.0	4.0	3.0	2.0	2.9
JTN-4507	1.0	3.0	4.0	2.0	2.0	2.4
JTN-4607	0.8	3.0	3.0	3.2	2.0	2.4
LG01-5087-9	0.8	4.0	4.0	3.7	2.0	2.9
LS03-4294	0.7	3.0	3.0	3.0	2.0	2.3
R00-1194F	0.8	3.0	4.0	2.8	2.0	2.5
R04-122	0.8	3.0	4.0	3.0	2.0	2.6
R04-198	1.0	3.0	3.0	2.7	2.0	2.3
R04-632	1.3	3.0	3.0	3.0	2.0	2.5
R05-4114	1.0	3.0	3.0	2.2	2.0	2.2
S04-24039RR	1.5	2.0	2.0	2.2	2.0	1.9
S05-4604RR	1.3	3.0	3.0	2.3	2.0	2.3
TN04-124	1.3	4.0	3.0	2.7	2.0	2.6
TN05-5109	1.7	3.0	3.0	2.5	2.0	2.4
V03-3719	1.2	3.0	3.0	2.8	2.0	2.4
V03-4660	0.8	3.0	3.0	3.0	2.0	2.4
V03-4705	1.0	4.0	4.0	2.5	2.0	2.7
V03-4726	0.8	3.0	3.0	2.8	2.0	2.3
V03-7426	1.7	4.0	4.0	3.5	2.0	3.0
V03-7740	1.3	3.0	3.0	3.2	2.0	2.5
V03-7833	1.5	3.0	4.0	3.5	2.0	2.8
V03-8283	2.2	4.0	4.0	3.8	2.0	3.2



TABLE 8 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5002T	1.7	2.0	1.0	1.5
DK 4866	3.2	2.0	1.0	1.5
AG 4403	2.7	2.0	1.0	1.5
AG 4903	2.2	2.0	1.0	1.5
94M80	2.2	2.0	1.0	1.5
JTN-4207	2.2	2.0	2.0	2.0
JTN-4307	2.0	2.0	2.0	2.0
JTN-4407	2.7	2.0	2.0	2.0
JTN-4507	1.7	2.0	1.0	1.5
JTN-4607	2.7	2.0	1.0	1.5
LG01-5087-9	2.7	2.0	1.0	1.5
LS03-4294	2.3	2.0	2.0	2.0
R00-1194F	2.7	2.0	2.0	2.0
R04-122	1.8	2.0	2.0	2.0
R04-198	2.0	2.0	2.0	2.0
R04-632	2.8	2.0	2.0	2.0
R05-4114	1.8	2.0	2.0	2.0
S04-24039RR	2.3	2.0	1.0	1.5
S05-4604RR	2.0	2.0	1.0	1.5
TN04-124	1.5	2.0	2.0	2.0
TN05-5109	2.8	2.0	1.0	1.5
V03-3719	1.5	2.0	2.0	2.0
V03-4660	1.5	2.0	1.0	1.5
V03-4705	1.8	2.0	2.0	2.0
V03-4726	1.7	2.0	1.0	1.5
V03-7426	2.8	2.0	2.0	2.0
V03-7740	2.3	2.0	2.0	2.0
V03-7833	2.5	2.0	2.0	2.0
V03-8283	4.0	2.0	2.0	2.0

❖Data not included in mean.

## PRELIMINARY GROUP IV-S EARLY

2008

Preliminary Group IV-S Early (Relative Maturity 4.0-4.5) nurseries were planted at 12 locations. Data were obtained from 12 of the locations. The parentage for each strain is reported in Table 9. Table 10 gives a general summary of information for each strain including seed yield, oil, and protein, percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 11 - 17.

**TABLE 9 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S  
EARLY, 2008**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AG 3906	Commercial check	
2. AG 4403	Commercial check	
3. AG 4103	Commercial check	
4. LD00-3309	Maverick X Dwight	
5. B04-7820	LG92-4208 x LG94-1128	
6. B04-7950	LG94-4667 x Dwight	
7. LG01-5087-5	LN93-11632 x LG96-1713	F7
8. Md 0405WN 62	LG98-5579 X A98-980047	F5
9. Md 05-5132	Md 95-5260 X V94-0198	F5
10. Md 05-5276	Md 97-5905 X K1401	F5
11. Md 05-5413	A97-973002 X Md 95-5358	F5
12. Md 05-5775	Tn 95-95 X Md 96-5722	F5
13. R03-144	AP 4880 x 98602	
14. R05-3017	Delsoy 5500 x Ozark	
15. R05-4095	R98-1523 x 98601	
16. R05-4640	CX1834-1-2 x MD92-5769	
17. R99-1613F	NKRA 452 x PI 290126B	
18. S06-10572	S02-6816 x S02-390 RR	5
19. S06-3230	ORC-2005 X S02-258	5
20. S06-3929	U99-311442 X S02-390	5
21. S06-4002	U99-311442 X S02-390	5
22. TN05-3723RR	MD97-5905/S99-4489RR	
23. TN05-3745RR	U98-307162/(Fowler/TN93-87RR)	
24. TN05-8733-RR	MD97-5905/S99-4489RR	
25. TN06-15RR	TN01-294-RR/LG98-1445	
26. V04-0807	ESSEX RR X V94-0189	
27. V04-0867	ESSEX RR X V94-0189	
28. V04-6012	V93-2329 X V94-0189	



**TABLE 11 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008**

STRAIN/ VARIETY	BIXBY❖ OK	JACKSON TN	KNOXVILLE❖ TN	ORANGE VA	PINE TREE AR	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	ROHWER AR	SPRINGFIELD❖ TN	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	28.4	35.9	39.3	40.8	50.6	25.8	39.2	47.9	41.9	24.0	52.8	37.6	42.7
AG 4403	29.3	35.8	46.8	39.8	59.2	41.2+	69.2+	53.7	45.3	29.7	64.2+	43.8	51.0+
AG 4103	18.5-	27.0-	48.5	33.4	44.4	34.1	58.2+	51.4	31.8	22.9	59.8	35.5	41.4
LD00-3309	13.3-	30.8	35.9	22.4-	45.2	29.1	50.3+	49.8	22.3-	12.1-	42.0-	32.0	35.0-
B04-7820	38.2+	39.2	41.2	35.0	54.9	35.0	51.8+	46.8	33.8	23.5	66.7+	34.4	45.1
B04-7950	26.6	23.8-	43.6	29.6-	44.0	27.5	42.5	43.4	38.9	13.2	47.9	41.6	38.3
LG01-5087-5	18.1-	37.0	52.6	34.4	53.8	31.6	58.5+	48.2	38.0	23.1	68.1+	42.9	47.5
Md 0405WN 62	13.3-	33.1	31.0	24.9-	40.8	27.3	44.8	50.5	52.0	15.9	49.2	34.4	39.9
Md 05-5132	27.5	34.5	45.8	43.0	50.5	31.2	47.8+	41.0	44.6	20.0	59.8	40.4	45.8
Md 05-5276	27.6	35.4	48.6	40.0	52.9	36.5	56.9+	44.5	40.1	28.0	64.8+	46.3	48.0
Md 05-5413	29.4	39.6	43.9	33.6	57.4	27.2	51.1+	40.5	42.6	18.7	54.9	30.7	44.3
Md 05-5775	34.6	36.4	31.4	43.8	50.0	31.3	46.1	40.4	45.1	15.3	60.4	37.3	45.6
R03-144	33.1	38.0	43.5	31.9	52.7	40.1+	59.0+	47.2	54.8	21.1	73.2+	45.0	50.7+
R05-3017	26.9	31.3	56.0	55.3+	53.4	35.8	55.3+	54.3	40.8	19.5	71.4+	50.7+	51.2+
R05-4095	25.2	26.9-	43.7	46.3	62.0	46.4+	61.0+	41.9	40.6	25.7	81.1+	46.9	52.1+
R05-4640	20.7	26.4-	48.9	43.2	53.2	34.7	44.3	41.3	32.0	20.4	66.6+	48.0	44.8
R99-1613F	25.8	37.9	49.0	41.2	62.2	38.3+	59.4+	43.0	57.2	26.3	79.3+	46.0	54.7+
S06-10572	28.5	24.1-	39.0	28.4-	57.4	36.1	57.8+	39.2	50.6	26.1	72.7+	41.5	47.5
S06-3230	17.0-	23.1-	35.8	23.7-	60.7	37.2+	52.4+	48.3	35.9	18.2	61.5	41.6	42.7
S06-3929	26.2	36.1	41.2	30.8-	61.5	42.4+	61.5+	45.1	33.5	21.4	72.4+	53.1+	49.8+
S06-4002	23.5	34.2	35.6	27.8-	55.1	36.0	53.9+	36.0	36.1	21.5	66.0+	44.6	45.4
TN05-3723RR	16.9-	42.7	33.1	26.4-	49.7	28.4	45.8	39.2	38.5	14.2	40.3-	43.1	41.0
TN05-3745RR	20.7	28.0	23.5	32.3	41.3	26.9	38.0	43.2	33.9	10.5-	41.5-	28.9	34.8-
TN05-8733-RR	26.5	33.0	46.8	39.0	61.0	41.8+	55.6+	44.2	47.3	26.0	84.6+	36.9	51.1+
TN06-15RR	21.7	27.8	18.3	31.3-	41.3	27.4	35.4	39.9	29.7	12.5-	47.2	37.3	35.7-
V04-0807	30.3	35.7	48.9	40.7	46.3	32.0	49.1+	42.1	53.1	22.9	72.8+	39.4	48.1
V04-0867	19.6-	30.9	40.8	38.3	56.7	47.1+	50.6+	47.2	49.8	20.9	67.4+	40.8	47.8
V04-6012	29.2	30.9	33.2	37.6	46.6	42.8+	48.9+	60.1	45.4	19.3	53.2	42.5	43.6
LOCATION MEAN	24.9	32.7	40.9	35.5	52.3	34.7	51.6	45.4	41.3	20.5	62.2	40.8	45.2
L.S.D. (0.05)	7.7	8.3	22.0	8.9	15.9	11.2	7.2	14.5	16.8	10.9	8.9	10.4	6.8
C.V. (%)	15.1	12.3	26.2	12.3	14.6	15.8	6.8	15.6	19.9	25.9	7.0	12.4	14.2

❖Data not included in mean.

**TABLE 12 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008**

STRAIN/ VARIETY	BIXBY❖ OK	KNOXVILLE❖ TN	ORANGE VA	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	20.6	22.0	22.7	22.0	24.1	24.3	22.0	21.5	22.9
AG 4403	22.0	23.0	23.0	22.7	24.1	25.0	22.9	22.5	23.5
AG 4103	21.8	22.7	22.2	23.8	22.7	23.7	22.0	22.4	22.6
LD00-3309	.	21.3	22.7	21.8	22.6	22.9	22.2	21.2	22.3
B04-7820	19.8	20.2	21.4	19.5	20.0	22.3	21.1	20.3	21.0
B04-7950	20.3	21.6	21.4	22.0	22.5	23.2	22.2	21.2	22.1
LG01-5087-5	21.0	21.4	21.5	21.8	21.4	23.1	21.9	21.1	21.8
Md 0405WN 62	20.7	21.6	22.4	22.8	22.8	23.8	22.8	20.6	22.5
Md 05-5132	21.1	22.2	21.3	23.9	22.2	23.4	22.0	21.0	22.0
Md 05-5276	20.5	21.3	21.9	22.5	22.1	23.8	22.1	21.9	22.4
Md 05-5413	19.8	21.3	20.9	21.7	21.6	23.7	21.8	21.0	21.8
Md 05-5775	20.7	21.2	21.9	21.2	21.8	22.4	20.8	21.6	21.7
R03-144	21.4	22.5	22.4	24.3	22.2	23.3	22.5	22.5	22.6
R05-3017	20.9	20.3	19.4	21.7	21.5	21.5	20.7	20.1	20.6
R05-4095	20.0	21.5	21.8	22.2	22.0	22.6	21.7	20.8	21.8
R05-4640	21.3	20.8	20.4	22.8	20.6	21.3	21.7	21.4	21.1
R99-1613F	21.4	21.1	20.5	22.6	23.0	21.9	21.3	21.1	21.6
S06-10572	19.9	20.6	20.8	21.7	21.3	21.8	21.2	21.0	21.2
S06-3230	21.3	22.0	22.2	23.1	21.1	22.1	21.6	21.9	21.8
S06-3929	21.3	20.2	21.2	19.5	21.1	22.8	20.8	20.1	21.2
S06-4002	20.6	21.3	21.5	22.3	20.9	22.0	20.8	21.9	21.4
TN05-3723RR	21.4	21.8	23.8	23.6	23.4	24.0	23.4	22.8	23.5
TN05-3745RR	21.1	22.0	24.2	23.5	23.7	25.4	24.2	21.8	23.9
TN05-8733-RR	20.4	21.7	21.8	23.0	22.5	22.6	21.9	22.3	22.2
TN06-15RR	21.8	22.8	22.9	23.9	22.6	25.0	22.8	22.5	23.2
V04-0807	21.6	20.2	20.7	21.0	21.3	21.1	20.5	21.4	21.0
V04-0867	20.4	21.2	20.2	21.8	21.0	21.1	20.4	20.5	20.6
V04-6012	19.9	19.9	20.3	21.7	21.3	20.7	20.2	20.9	20.7

❖Data not included in mean.

**TABLE 13 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008**

STRAIN/ VARIETY	BIXBY❖ OK	KNOXVILLE❖ TN	ORANGE VA	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	40.8	39.1	38.8	38.2	38.5	37.0	44.1	39.5	39.6
AG 4403	40.5	37.0	37.2	38.0	38.0	35.0	40.4	37.5	37.6
AG 4103	38.7	38.6	39.5	37.8	39.0	37.1	40.5	38.4	38.9
LD00-3309	.	39.0	37.9	37.9	37.6	38.5	39.8	39.2	38.6
B04-7820	41.7	41.1	39.4	41.2	42.9	37.9	40.9	40.2	40.3
B04-7950	41.0	40.5	38.4	41.3	41.4	40.7	42.4	39.0	40.4
LG01-5087-5	38.5	41.5	39.0	37.8	38.7	35.5	37.8	37.3	37.7
Md 0405WN 62	40.5	40.3	38.2	38.8	40.4	38.7	41.4	40.5	39.8
Md 05-5132	41.2	39.2	38.8	35.6	41.3	37.8	41.2	39.2	39.7
Md 05-5276	42.4	39.9	40.0	38.5	40.3	36.8	41.8	39.5	39.7
Md 05-5413	41.5	39.8	40.5	38.5	41.6	37.2	40.6	39.7	39.9
Md 05-5775	40.9	41.6	40.3	41.2	42.4	40.5	42.4	41.2	41.4
R03-144	39.5	39.1	38.0	34.5	38.3	36.6	38.7	37.7	37.9
R05-3017	41.9	42.2	42.0	40.9	41.9	40.0	41.1	40.2	41.0
R05-4095	41.1	39.4	40.8	39.1	38.0	37.0	38.5	38.3	38.5
R05-4640	41.4	41.1	40.4	36.9	41.4	39.5	39.6	39.3	40.0
R99-1613F	40.4	40.9	40.2	39.9	38.4	39.0	40.1	39.5	39.4
S06-10572	41.5	40.5	40.6	39.2	42.5	40.0	40.2	38.7	40.4
S06-3230	39.8	39.3	37.2	37.3	39.8	38.9	40.2	38.1	38.8
S06-3929	41.3	41.9	41.0	40.1	42.1	37.5	41.7	41.0	40.7
S06-4002	42.1	40.8	40.3	39.4	40.5	40.3	41.8	40.4	40.7
TN05-3723RR	40.7	40.6	37.9	38.0	38.7	38.3	40.8	38.5	38.8
TN05-3745RR	39.5	38.5	35.6	36.3	38.5	35.6	39.3	38.0	37.4
TN05-8733-RR	40.7	40.1	39.1	37.3	39.2	39.0	38.8	38.7	39.0
TN06-15RR	41.8	39.7	39.4	37.1	41.1	36.2	40.8	39.3	39.4
V04-0807	41.3	43.0	40.7	40.5	41.2	40.6	41.7	39.9	40.8
V04-0867	40.8	41.5	40.9	38.5	41.5	41.2	42.1	41.1	41.4
V04-6012	42.5	43.7	42.0	40.9	43.2	43.2	44.4	41.5	42.9

❖Data not included in mean.

TABLE 14 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008

STRAIN/ VARIETY	BIXBY❖ OK	JACKSON TN	KNOXVILLE❖ TN	ORANGE VA	PINE TREE AR	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	20.8	14.4	17.3	22.9	18.4	15.4	17.6	13.7	14.7	16.1	16.5
AG 4403	15.8	12.3	12.3	18.6	15.1	14.3	13.2	12.0	16.0	12.4	14.4
AG 4103	16.9	12.5	13.5	20.4	16.0	16.1	14.5	13.4	15.5	14.4	15.5
LD00-3309	14.5	10.1	11.9	15.1	13.1	11.4	13.8	11.7	13.6	11.3	12.3
B04-7820	16.5	12.3	14.6	23.1	14.3	14.4	14.7	12.2	14.8	13.6	15.0
B04-7950	17.6	12.8	14.6	18.8	17.3	16.0	16.6	15.1	17.6	14.9	16.1
LG01-5087-5	16.4	12.8	16.2	19.6	14.8	14.5	13.7	12.9	12.4	16.9	14.8
Md 0405WN 62	15.7	11.7	12.4	15.6	13.5	12.0	13.9	11.6	14.1	11.8	12.9
Md 05-5132	15.9	12.8	14.2	19.1	14.6	15.2	15.2	12.5	12.7	16.3	14.7
Md 05-5276	20.0	14.4	17.3	23.3	17.8	17.4	17.8	14.8	14.6	16.9	17.0
Md 05-5413	21.8	15.4	16.5	23.7	18.2	16.4	18.3	14.9	15.2	17.4	17.3
Md 05-5775	19.5	14.4	16.9	23.8	17.4	17.7	16.9	16.9	16.6	17.2	17.7
R03-144	17.3	14.5	14.7	20.9	16.5	16.3	13.3	15.1	16.0	14.3	16.2
R05-3017	18.1	14.8	16.5	24.8	14.9	16.4	16.1	16.3	14.8	17.9	17.1
R05-4095	16.4	13.3	12.9	20.4	14.5	12.2	13.2	12.3	14.0	13.7	14.3
R05-4640	15.5	12.9	14.9	20.3	15.1	14.6	14.6	13.9	10.6	15.6	14.7
R99-1613F	18.9	14.7	17.7	23.0	15.5	14.9	16.7	15.3	14.5	17.6	16.5
S06-10572	20.7	15.6	17.1	23.3	16.9	17.6	17.4	17.9	17.1	18.3	18.1
S06-3230	17.9	14.1	15.5	20.6	14.3	16.0	16.2	16.1	13.8	17.0	16.0
S06-3929	16.9	14.9	16.8	20.4	14.7	15.5	14.4	13.1	16.1	16.2	15.8
S06-4002	17.4	14.2	15.4	21.1	15.8	15.6	14.9	15.1	13.0	16.1	15.8
TN05-3723RR	17.3	11.6	11.1	15.8	14.9	13.3	12.5	12.5	13.1	12.2	13.3
TN05-3745RR	15.4	10.3	9.6	14.3	12.9	11.2	11.7	11.6	10.0	10.6	11.5
TN05-8733-RR	18.6	13.3	15.7	21.3	15.3	14.7	14.5	15.7	13.1	16.1	15.6
TN06-15RR	19.0	14.0	13.4	19.4	18.6	15.6	15.6	13.1	11.8	15.1	15.4
V04-0807	14.7	12.8	14.2	19.2	14.2	13.9	14.0	13.3	13.9	15.1	14.6
V04-0867	16.0	12.9	15.1	20.8	13.4	14.2	14.8	14.7	15.6	17.1	15.5
V04-6012	16.3	12.6	14.3	21.2	13.5	13.2	15.5	15.3	15.7	16.6	15.4

❖Data not included in mean.



TABLE 15 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008

STRAIN/ VARIETY	BIXBY❖ OK	JACKSON TN	KNOXVILLE❖ TN	ORANGE VA	PINE TREE AR	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	ROHWER AR	SPRINGFIELD❖ TN	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	19	26	31	24	24	32	31	23	36	22	22	29	27
AG 4403	24	33	38	27	31	42	39	28	34	25	26	32	32
AG 4103	19	26	32	27	21	38	45	25	28	21	24	30	28
LD00-3309	17	27	33	25	22	29	38	24	24	18	24	27	27
B04-7820	27	36	38	28	32	43	41	32	33	24	28	35	33
B04-7950	25	23	36	26	23	37	33	31	28	21	26	32	27
LG01-5087-5	27	37	38	27	34	44	41	32	32	25	40	38	36
Md 0405WN 62	24	29	33	26	25	37	37	32	32	26	26	36	30
Md 05-5132	17	19	32	31	24	38	34	34	25	23	24	36	27
Md 05-5276	29	32	38	32	31	45	39	35	34	31	24	39	33
Md 05-5413	24	38	41	27	29	42	36	31	38	25	34	34	34
Md 05-5775	31	35	38	34	30	47	41	35	40	25	34	36	35
R03-144	27	38	38	26	31	41	38	30	32	21	30	34	32
R05-3017	14	18	33	32	21	32	31	33	23	20	26	36	27
R05-4095	17	20	30	28	23	35	32	26	23	22	26	31	26
R05-4640	12	13	23	22	22	26	34	22	15	15	24	29	23
R99-1613F	22	34	37	28	35	49	44	27	39	21	40	34	36
S06-10572	17	34	30	24	22	38	39	27	28	21	28	31	29
S06-3230	26	32	35	24	29	37	41	25	31	20	32	33	31
S06-3929	19	29	33	27	30	40	40	28	26	18	30	36	31
S06-4002	20	27	35	28	30	37	36	25	30	20	26	31	30
TN05-3723RR	23	28	35	24	22	38	38	26	34	20	32	32	30
TN05-3745RR	16	27	29	25	23	31	36	26	27	20	30	28	28
TN05-8733-RR	21	29	35	29	32	36	36	27	32	23	32	34	32
TN06-15RR	27	42	37	28	32	41	37	29	33	23	32	39	35
V04-0807	26	38	38	30	36	44	37	32	43	23	44	37	38
V04-0867	17	16	30	26	18	34	37	29	25	19	22	33	25
V04-6012	15	14	21	21	15	26	27	26	16	13	22	25	20

❖Data not included in mean.

TABLE 16 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008

STRAIN/ VARIETY	BIXBY❖ OK	JACKSON TN	KNOXVILLE❖ TN	ORANGE VA	PINE TREE AR	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	SPRINGFIELD❖ TN	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	.	1.0	1.5	1.0	1.3	1.5	2.0	1.3	1.0	2.0	1.5	1.5
AG 4403	.	1.0	2.0	1.0	2.0	1.8	1.0	1.3	1.0	3.0	1.3	1.5
AG 4103	1.0	1.0	2.3	1.0	0.8	1.5	1.5	1.3	1.0	2.0	1.0	1.2
LD00-3309	.	1.0	1.8	1.0	1.3	1.3	1.0	1.3	1.0	2.0	1.0	1.2
B04-7820	1.0	2.0	2.8	1.0	2.0	3.3	1.5	1.3	1.0	3.0	2.0	1.9
B04-7950	.	1.0	3.3	1.0	1.8	2.8	1.5	1.5	1.0	3.0	1.5	1.6
LG01-5087-5	.	3.0	2.5	1.0	3.5	3.0	3.5	1.5	1.0	3.0	2.0	2.7
Md 0405WN 62	1.0	1.0	3.0	1.0	2.3	1.5	2.5	1.8	1.0	3.0	1.0	1.8
Md 05-5132	.	1.0	4.0	1.0	0.5	1.8	2.0	3.3	1.0	2.0	2.8	1.5
Md 05-5276	1.0	2.0	3.5	1.0	2.8	2.0	2.0	1.5	1.0	3.0	2.0	2.1
Md 05-5413	.	1.0	2.8	1.0	1.8	1.8	1.0	1.5	1.0	2.0	1.0	1.3
Md 05-5775	1.0	2.0	2.5	1.0	2.3	2.8	2.5	1.8	1.0	3.0	2.0	2.1
R03-144	1.0	1.5	2.8	1.0	2.8	2.0	2.0	1.8	1.0	3.0	2.0	2.0
R05-3017	.	1.0	2.5	1.0	1.3	1.8	1.5	1.5	1.0	2.0	1.5	1.4
R05-4095	.	1.0	2.5	1.5	1.5	3.0	2.0	2.0	1.0	2.0	2.0	1.7
R05-4640	.	1.0	1.8	1.0	1.8	1.0	1.0	1.5	1.0	2.0	1.0	1.3
R99-1613F	.	1.5	2.0	1.0	3.3	1.5	2.5	1.5	1.0	4.0	1.0	2.2
S06-10572	.	2.0	2.3	1.0	1.3	2.0	2.5	1.3	1.0	3.0	1.5	1.9
S06-3230	.	1.0	1.3	1.0	2.8	2.5	2.0	1.5	1.0	2.0	1.8	1.8
S06-3929	.	1.5	1.8	1.0	2.0	1.8	2.5	1.3	1.0	3.0	1.8	2.0
S06-4002	1.0	1.5	2.3	1.0	3.0	2.0	2.0	1.3	1.0	2.0	2.0	1.9
TN05-3723RR	.	1.0	2.5	1.0	1.5	2.3	2.0	1.3	1.0	3.0	1.5	1.7
TN05-3745RR	.	1.0	1.8	1.0	1.0	1.5	1.0	1.5	1.0	3.0	1.1	1.4
TN05-8733-RR	1.0	2.0	2.3	1.0	2.8	1.8	2.5	1.5	1.0	3.0	2.0	2.2
TN06-15RR	.	3.0	2.0	1.0	2.5	1.5	1.0	1.5	1.0	4.0	1.8	2.2
V04-0807	.	1.5	2.3	1.0	3.3	1.8	4.0	1.5	1.0	4.0	1.3	2.5
V04-0867	.	1.0	1.5	1.0	0.5	1.5	1.0	1.5	1.0	2.0	1.0	1.1
V04-6012	.	1.0	1.5	1.0	0.3	1.0	1.0	1.5	1.0	2.0	1.0	1.0

❖Data not included in mean.

TABLE 17 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2008

STRAIN/ VARIETY	JACKSON TN	KNOXVILLE❖ TN	ORANGE VA	PINE TREE AR	PLYMOUTH❖ NC(B)	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 3906	2.8	2.0	1.8	2.5	3.0	3.0	2.0	3.0	2.0	3.0	2.6
AG 4403	2.0	1.5	1.8	1.5	2.0	3.0	1.0	2.5	2.0	2.3	2.1
AG 4103	2.3	1.8	1.5	3.3	2.3	3.0	1.0	2.5	2.0	2.5	2.4
LD00-3309	2.0	2.0	2.3	2.3	3.0	3.0	1.3	3.5	2.0	2.3	2.5
B04-7820	2.3	2.0	1.5	1.5	2.8	3.0	1.5	3.0	2.0	2.0	2.2
B04-7950	2.5	2.3	2.3	2.8	2.8	3.0	1.3	3.3	2.0	2.8	2.6
LG01-5087-5	2.0	2.0	1.8	2.0	2.3	3.0	1.3	2.5	2.0	2.8	2.3
Md 0405WN 62	2.0	2.0	1.8	3.3	2.0	3.0	1.5	3.3	2.0	2.3	2.5
Md 05-5132	2.0	1.0	1.5	1.0	2.0	3.0	1.3	2.3	2.0	2.5	2.0
Md 05-5276	2.3	2.0	1.8	2.5	2.3	4.0	1.8	2.8	2.0	3.5	2.7
Md 05-5413	2.0	1.8	2.0	2.3	3.0	4.0	1.8	2.8	2.0	3.0	2.6
Md 05-5775	2.0	1.5	1.5	1.8	2.8	3.0	1.5	2.3	2.0	2.0	2.1
R03-144	2.0	1.5	2.0	3.0	2.3	3.0	1.0	2.3	2.0	2.0	2.3
R05-3017	2.0	1.3	1.5	2.0	2.8	3.0	1.0	2.3	2.0	2.0	2.1
R05-4095	2.0	2.0	1.5	1.8	2.8	3.0	1.5	2.0	2.0	2.0	2.0
R05-4640	1.8	1.0	1.5	1.8	2.0	3.0	1.3	2.5	2.0	2.0	2.1
R99-1613F	2.5	1.3	1.8	1.5	2.3	5.0	1.8	1.8	2.0	2.5	2.4
S06-10572	3.0	2.5	1.8	1.8	2.3	3.0	1.8	2.8	2.0	2.5	2.4
S06-3230	2.5	2.0	2.0	1.8	2.5	3.0	1.8	2.3	2.0	2.0	2.2
S06-3929	2.5	2.5	2.0	1.8	3.3	3.0	1.0	2.8	2.0	3.5	2.5
S06-4002	2.0	2.8	2.0	1.8	2.8	2.0	1.5	3.5	2.0	3.0	2.3
TN05-3723RR	1.8	1.5	2.0	2.0	2.8	3.0	1.0	3.0	2.0	1.8	2.2
TN05-3745RR	2.0	1.8	1.8	2.5	2.3	3.0	1.0	4.0	2.0	3.0	2.6
TN05-8733-RR	3.0	1.8	2.0	2.0	2.8	4.0	1.0	1.8	2.0	3.0	2.5
TN06-15RR	2.8	2.5	1.5	3.3	2.3	3.0	1.0	3.3	2.0	2.3	2.6
V04-0807	2.0	1.8	1.8	1.0	3.0	4.0	1.0	1.8	2.0	2.5	2.1
V04-0867	2.0	1.3	1.5	1.5	2.3	3.0	1.0	1.8	2.0	3.0	2.1
V04-6012	1.5	2.0	1.8	1.5	2.3	2.0	1.0	2.3	2.0	2.0	1.9

❖Data not included in mean.

**PRELIMINARY GROUP IV-S LATE****2008**

**Preliminary Group IV-S Late (Relative Maturity 4.6-4.9) nurseries were planted at 14 locations. Data were obtained from 13 of the locations. The parentage for each strain is reported in Table 18. Table 19 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 20 - 26.**

**TABLE 18 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S  
LATE, 2008**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5002T	Holladay X Manokin	
2. DK 4866	Commercial check	
3. AG 4403	Commercial check	
4. AG 4903	Commercial check	
5. 94M80	Commercial check	
6. JTN-4308	S96-2641 x S97-1688-12-LOAM02	F10
7. JTN-4408	S97-1753 x V94-0198-9-LOAM02	F9
8. JTN-4508	SS94-7546 X LS96-0735	F7
9. K06-2891 RR L	K00-64E-2367/S98-3940-43RR	F5
10. K06-3094 RR L	K00-58L-4367/TN01-331-RR	F5
11. K06-3146 RR L	K00-58L-4367/TN01-331-RR	F5
12. K06-3159 RR L	K1530/MD99-0687-3RR	F5
13. K06-3636 RR L	KS4602N/S02-677CR RR	F5
14. LS05-4007	PI471938 x MD96-5275	
15. LS05-6442	LS97-1610 x MD96-5275	
16. LS05-6513	LS97-1610 x MD96-5275	
17. LS05-6521	LS97-1610 x MD96-5275	
18. LS05-8130	LS97-1610 x LS97-1218	
19. Md 0506WN 34	Manokin X CX 1834-1-2	F5
20. Md 0506WN 99	Md 94-5464 X N97-3363-3-44	F5
21. Md 05-5084	Md 95-5358 X V94-0198	F5
22. Md 05-5116	Md 95-5260 X V94-0198	F5
23. Md 05-5743	Md 94-5332 X Apex	F5
24. NCC05-1168	TN97-167xS99-2281	F4:8
25. NCC05-1261	TN97-167xS99-2281	F4:8
26. NCC05-4512R	TN96-68x[TN96-58xN94-550RR, BC3F1(106-2)]F2	F4:8
27. R04-1073	Ozark x 99501	
28. R04-1091	Ozark x 99501	
29. R05-2199	SS-516 x Ozark	
30. R05-3257	Ozark x Anand	
31. R05-4027	R97-818 x 98601	
32. S06-3027RR	S00-9912-56 X S02-3934	5
33. S06-3033RR	S00-9912-56 X S02-3934	5
34. S06-3041RR	S00-9912-56 X S02-3934	5
35. S06-3095RR	S00-9912-56 X S02-3934	5
36. S06-4154RR	5002T X S02-3934	5
37. S06-4197RR	5002T X S02-3934	5
38. TN04-089	5601T/TN99-368	
39. TN05-4703RR	5601T x S99-2607RR	
40. V04-0742	V94-0436 X ESSEX RR	
41. V04-0762	V94-0436 X ESSEX RR	
42. V04-1022	R95-798 X V215	
43. V04-1062	R95-798 X V215	
44. V04-5842	V94-0436 X V93-2329	
45. V04-5959	V93-2329 X V94-0189	



TABLE 20 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON* TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	33.5	41.1	35.7	66.7	35.9	47.1	69.7	65.4	49.3	58.6	78.5	63.1	50.0	54.5
DK 4866	23.3-	40.8	31.5	52.6	40.8	44.8	67.0	45.5-	49.0	51.1	88.8	61.6	44.8	50.1
AG 4403	26.3-	39.1	35.3	41.8-	38.5	41.5	79.5+	52.5-	47.1	52.2	73.8	56.1	35.5-	48.3-
AG 4903	29.2	33.6	35.0	59.4	44.7+	44.8	72.5	60.5	43.5	50.6	82.9	60.8	47.8	52.6
94M80	30.4	28.8	29.5-	53.2	36.0	40.0-	70.8	41.2-	41.8	39.5-	74.5	58.2	38.1-	46.1-
JTN-4308	30.7	19.4-	23.2-	46.4-	37.7	45.9	64.2	49.4-	41.5	41.9-	69.4	51.5-	48.8	45.9-
JTN-4408	16.5-	34.4	28.6-	57.7	44.6+	44.7	65.7	48.0-	43.7	37.1-	68.1	61.1	43.3	46.6-
JTN-4508	18.6-	38.0	30.4	45.5-	33.7	40.9	62.2-	47.1-	42.6	46.7-	77.9	53.2-	41.9	45.1-
K06-2891 RR L	25.1-	22.9-	34.0	37.6-	32.9	32.1-	54.4-	38.9-	39.5	36.9-	51.0-	54.3-	38.2-	39.6-
K06-3094 RR L	24.5-	25.9-	31.9	41.9-	37.8	43.2	55.7-	48.1-	46.3	38.7-	67.9	51.5-	42.4	44.2-
K06-3146 RR L	21.2-	29.4	34.8	49.0-	33.6	39.9-	54.3-	43.4-	40.6	34.9-	60.5-	50.2-	39.0-	41.8-
K06-3159 RR L	20.4-	31.7	36.7	53.7	38.7	51.2	55.7-	44.8-	40.0	51.0	76.4	57.1	44.1	47.5-
K06-3636 RR L	31.0	33.3	34.6	48.8-	40.3	32.8-	67.1	53.6-	35.5-	47.4-	77.6	57.5	46.3	47.7-
LS05-4007	23.9-	29.6	43.0+	60.4	41.4	47.1	52.9-	51.9-	46.7	44.5-	68.2	53.8-	37.8-	47.6-
LS05-6442	30.4	23.8-	32.9	50.8-	38.5	48.2	63.6	49.2-	38.5	16.7-	70.2	58.2	50.0	45.6-
LS05-6513	18.9-	19.6-	27.3-	51.5-	36.7	44.2	61.4-	48.3-	41.4	25.8-	63.7-	52.7-	45.4	43.1-
LS05-6521	36.9	32.1	39.4	61.6	45.6+	42.9	59.8-	48.3-	48.8	43.1-	61.4-	51.8-	46.8	48.9-
LS05-8130	31.6	32.6	31.0	52.8	39.4	48.5	60.2-	43.2-	52.8	41.2-	78.6	53.9-	44.5	48.1-
Md 0506WN 34	35.4	28.8	27.3-	53.7	33.4	31.7-	45.3-	39.5-	37.0-	43.5-	66.7	48.8-	39.1-	41.8-
Md 0506WN 99	28.3	32.9	30.2	55.0	37.0	40.4	58.5-	48.7-	44.1	57.7	79.7	54.9	35.0-	47.5-
Md 05-5084	20.1-	29.5	31.0	46.6-	34.3	44.3	64.7	47.4-	50.8	41.8-	51.5-	55.8	34.7-	43.6-
Md 05-5116	33.1	26.4-	33.6	50.2-	37.1	51.0	60.0-	45.5-	44.7	51.2	40.6-	54.0-	38.3-	44.9-
Md 05-5743	34.8	33.1	37.6	47.8-	33.1	46.2	64.6	43.8-	53.0	51.5	67.9	54.8	38.7-	47.8-
NCC05-1168	36.3	31.7	43.5+	51.3-	45.6+	55.3+	71.1	55.5-	53.7	43.8-	66.2	60.6	48.9	52.6
NCC05-1261	31.9	36.2	38.3	66.3	44.9+	54.7+	75.9	44.7-	52.9	48.3	79.6	61.6	45.9	53.7
NCC05-4512R	38.7	26.5-	36.4	60.4	37.5	51.3	66.0	50.0-	50.3	51.1	78.9	62.4	48.9	52.7
R04-1073	36.0	28.2-	36.6	57.7	34.9	46.3	60.7-	47.0-	50.9	63.1	75.5	60.4	43.4	51.0
R04-1091	35.7	34.9	39.4	63.1	41.5	44.8	57.9-	47.9-	47.9	54.4	79.5	55.6	47.4	51.2
R05-2199	30.4	38.5	29.6	50.6-	44.2+	42.6	59.1-	43.3-	50.9	39.2-	74.1	56.2	44.7	47.1-
R05-3257	27.4	38.6	38.7	51.6-	44.6+	50.5	60.9-	48.1-	48.4	52.7	71.5	58.5	39.3-	49.3-
R05-4027	22.1-	33.4	37.2	61.3	40.5	48.9	68.7	54.5-	53.5	53.2	72.1	55.6	55.9	51.9
S06-3027RR	28.9	35.1	37.0	53.1	40.8	46.5	64.9	44.3-	45.1	50.8	83.7	58.4	48.7	50.2
S06-3033RR	35.4	37.1	34.8	57.5	43.0+	42.9	64.0	45.2-	41.1	57.6	81.5	60.7	37.4-	50.1
S06-3041RR	28.0	37.3	36.1	52.3	43.0+	48.0	64.6	39.9-	43.1	50.6	82.6	58.6	46.5	49.4-
S06-3095RR	35.4	41.0	39.5	55.3	43.7+	44.8	71.4	44.8-	47.8	55.1	89.0	65.7	50.0	53.5
S06-4154RR	24.5-	36.2	40.7	59.4	42.3+	40.8	65.8	47.7-	52.9	45.7-	94.5+	62.2	43.0	51.6
S06-4197RR	29.2	43.2	40.6	61.5	36.9	42.9	67.8	39.6-	48.0	55.9	86.5	57.4	45.9	51.0
TN04-089	29.2	35.0	38.3	56.5	39.9	53.9	70.1	44.1-	48.7	49.2	80.0	58.4	41.2	50.8
TN05-4703RR	28.6	31.3	30.6	56.9	34.7	41.6	67.6	48.1-	39.3	45.5-	83.9	58.7	43.3	48.2-
V04-0742	12.1-	30.2	40.5	53.0	40.9	44.2	53.4-	39.4-	48.0	36.5-	62.6-	53.2-	45.5	44.1-
V04-0762	46.6+	30.2	32.9	58.8	31.7	41.9	55.8-	39.4-	35.6-	41.1-	52.7-	50.7-	39.1-	43.8-
V04-1022	40.4+	37.8	34.6	55.8	37.2	45.9	62.8-	43.7-	39.9	55.4	75.4	55.2	46.7	49.4-
V04-1062	45.7+	35.5	35.5	59.6	33.4	47.3	59.4-	40.1-	29.6-	57.9	73.5	58.4	42.4	48.6-
V04-5842	39.5	25.5-	40.0	56.9	47.5+	48.2	60.0-	45.4-	48.2	50.2	71.2	58.9	48.2	51.2
V04-5959	47.2+	26.0-	41.8	55.5	44.4+	53.4	66.4	45.6-	60.9+	41.5-	79.0	55.4	53.9	53.7
LOCATION MEAN	30.1	32.4	35.0	54.2	39.2	45.1	63.2	46.7	45.7	46.7	73.1	56.8	43.9	48.3
L.S.D. (0.05)	6.4	12.8	6.2	14.8	6.2	6.8	6.6	9.3	10.8	11.0	12.5	8.4	10.6	4.6
C.V. (%)	10.6	19.7	8.8	13.6	7.9	7.5	5.2	9.9	11.7	11.6	8.5	7.3	12.0	11.8

❖Data not included in mean.

**TABLE 21 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008**

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGEVILLE MO(A)	PRINCETON KY	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	19.8	20.4	21.9	22.5	20.3	22.0	.	20.9	20.5	21.0
DK 4866	20.4	20.6	21.9	21.3	20.1	21.7	20.8	20.7	21.0	20.9
AG 4403	21.5	21.5	23.8	22.7	21.2	24.7	23.7	22.5	22.2	22.6
AG 4903	21.1	21.6	22.0	22.1	21.3	22.3	21.5	21.8	21.1	21.6
94M80	21.0	20.7	22.5	20.9	19.8	23.0	20.8	20.7	21.3	21.2
JTN-4308	19.1	17.5	18.5	21.2	18.4	19.9	18.7	19.6	19.6	19.2
JTN-4408	19.6	20.7	21.0	20.4	19.3	21.3	21.1	20.1	20.4	20.4
JTN-4508	21.4	21.2	21.8	20.1	19.5	21.2	20.7	20.2	20.8	20.8
K06-2891 RR L	20.7	19.9	22.4	22.3	19.9	23.5	22.2	21.1	20.9	21.4
K06-3094 RR L	20.0	22.0	21.3	21.2	20.2	21.1	20.6	20.7	20.9	20.9
K06-3146 RR L	20.3	20.6	20.9	20.9	18.6	21.9	21.3	20.4	21.2	20.7
K06-3159 RR L	21.2	21.5	20.8	21.6	19.5	22.9	21.7	21.1	22.1	21.4
K06-3636 RR L	20.5	20.1	21.4	20.3	19.7	22.3	20.6	20.7	21.5	20.8
LS05-4007	21.8	21.6	22.3	21.2	20.6	23.2	21.8	20.4	22.2	21.7
LS05-6442	21.3	21.9	22.9	22.9	22.0	24.9	22.0	21.8	22.4	22.5
LS05-6513	21.3	21.7	22.3	22.3	21.4	24.1	22.2	22.1	23.0	22.3
LS05-6521	22.0	22.2	22.5	21.7	21.1	23.2	22.1	21.1	22.3	22.0
LS05-8130	21.0	20.5	21.0	20.9	19.1	21.0	21.1	19.3	21.5	20.6
Md 0506WN 34	19.5	19.0	20.3	19.5	16.8	21.1	19.7	18.6	20.0	19.4
Md 0506WN 99	19.8	19.9	20.5	21.0	19.2	21.6	.	19.3	21.1	20.3
Md 05-5084	21.1	19.4	21.3	21.4	19.7	21.3	21.8	21.3	21.5	21.0
Md 05-5116	20.7	20.2	21.1	21.9	19.8	22.2	20.3	20.8	20.8	20.9
Md 05-5743	21.3	20.7	22.0	22.1	20.3	22.7	21.2	21.3	21.6	21.5
NCC05-1168	20.8	20.8	21.0	20.3	20.5	21.8	21.6	19.7	21.4	20.9
NCC05-1261	20.6	19.4	21.0	20.6	19.4	20.7	20.7	18.2	21.2	20.2
NCC05-4512R	19.6	19.6	21.2	21.5	20.5	21.1	21.9	20.1	21.0	20.7
R04-1073	20.4	21.4	22.2	21.0	19.9	20.9	20.8	19.8	21.1	20.8
R04-1091	21.0	20.6	21.4	20.8	19.7	21.1	21.2	19.8	21.3	20.8
R05-2199	20.6	20.7	20.0	19.8	19.4	21.4	20.0	19.3	20.9	20.2
R05-3257	20.6	19.6	21.6	20.3	19.4	20.7	21.9	20.3	21.9	20.7
R05-4027	20.2	21.0	22.0	20.7	19.7	20.6	21.6	20.3	21.2	20.8
S06-3027RR	20.3	20.0	19.5	20.5	17.2	20.9	20.3	19.7	19.2	19.7
S06-3033RR	20.0	20.2	21.0	21.3	18.0	20.9	19.4	20.6	19.6	20.1
S06-3041RR	19.1	19.6	20.9	20.7	17.9	21.3	21.0	20.6	20.3	20.2
S06-3095RR	20.5	19.9	21.0	21.0	18.1	21.0	19.6	19.9	19.9	20.1
S06-4154RR	19.7	19.7	22.0	22.3	18.9	22.5	21.4	20.4	20.9	20.9
S06-4197RR	19.7	19.0	20.5	21.3	18.4	21.2	19.7	20.7	19.6	20.0
TN04-089	21.7	20.1	21.1	20.8	18.4	22.0	21.3	20.5	21.0	20.8
TN05-4703RR	19.5	20.5	21.9	20.6	18.8	23.1	19.3	20.7	20.3	20.5
V04-0742	21.0	20.9	21.4	20.7	19.1	23.7	21.1	20.1	21.2	21.0
V04-0762	21.2	21.5	21.1	19.6	19.8	20.4	19.9	20.0	21.5	20.6
V04-1022	21.4	21.2	22.0	22.1	20.6	22.4	22.1	21.7	21.6	21.7
V04-1062	21.6	21.7	21.9	21.1	19.4	21.2	21.0	20.8	21.5	21.1
V04-5842	20.2	20.8	21.0	20.4	18.8	21.0	19.2	19.4	21.6	20.3
V04-5959	20.8	21.4	21.6	21.7	21.5	22.1	21.7	20.9	21.8	21.5



**TABLE 22 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008**

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGEVILLE MO(A)	PRINCETON KY	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	40.6	40.5	38.5	38.0	40.9	40.7	.	39.7	38.5	39.7
DK 4866	40.4	40.0	38.6	38.5	41.5	38.3	40.6	39.0	39.0	39.5
AG 4403	39.4	39.8	36.7	39.3	41.5	35.9	39.9	39.7	39.0	39.0
AG 4903	40.7	40.5	38.8	39.4	41.3	38.4	41.0	39.0	39.6	39.9
94M80	41.2	43.1	41.4	41.3	43.6	38.4	41.7	40.9	40.5	41.3
JTN-4308	42.0	42.7	42.8	41.9	42.8	43.0	41.3	42.0	41.1	42.2
JTN-4408	41.7	40.6	39.9	41.5	42.6	40.8	39.0	41.0	39.8	40.8
JTN-4508	42.0	40.9	41.1	40.5	43.1	38.2	41.4	41.1	40.4	41.0
K06-2891 RR L	40.5	41.7	38.5	40.6	43.0	38.1	41.0	41.2	40.0	40.5
K06-3094 RR L	40.7	42.0	39.3	40.3	42.2	41.9	42.1	40.4	39.6	40.9
K06-3146 RR L	40.9	40.3	40.4	40.4	42.4	38.9	42.2	41.0	39.1	40.6
K06-3159 RR L	39.2	39.9	39.6	40.1	42.7	37.5	39.8	40.5	38.4	39.7
K06-3636 RR L	41.2	42.7	40.0	42.1	42.1	39.1	42.4	41.2	41.6	41.4
LS05-4007	40.7	40.0	39.9	40.5	41.9	35.5	38.3	40.6	39.4	39.6
LS05-6442	41.0	40.3	38.6	39.4	41.7	40.2	40.6	40.1	39.1	40.1
LS05-6513	40.0	41.3	39.6	40.6	42.0	37.9	40.5	40.0	38.7	40.1
LS05-6521	39.8	40.7	39.5	40.6	42.4	39.2	40.3	39.7	39.3	40.2
LS05-8130	40.4	42.5	41.2	41.5	42.9	42.6	40.8	42.6	41.1	41.7
Md 0506WN 34	40.3	41.3	40.4	43.0	45.7	41.0	42.1	43.3	40.1	41.9
Md 0506WN 99	40.4	40.4	40.7	42.4	44.3	41.2	.	42.7	39.2	41.4
Md 05-5084	41.7	41.9	40.6	41.1	44.4	42.3	43.0	41.7	40.2	41.9
Md 05-5116	39.5	40.8	39.5	41.0	42.3	41.0	42.2	41.4	40.7	40.9
Md 05-5743	41.0	41.5	39.6	39.7	42.4	39.3	42.1	41.1	39.7	40.7
NCC05-1168	39.4	38.5	38.4	38.8	40.1	38.6	38.6	39.5	37.4	38.8
NCC05-1261	41.1	39.9	38.4	38.6	41.9	38.5	40.6	41.2	38.2	39.8
NCC05-4512R	40.7	41.0	39.5	40.0	42.5	41.1	40.0	41.4	39.1	40.6
R04-1073	40.1	41.2	37.9	40.1	42.0	40.0	40.0	41.7	39.7	40.3
R04-1091	41.0	39.8	39.9	39.5	41.8	39.6	39.5	41.6	38.5	40.1
R05-2199	39.7	40.9	39.5	39.9	42.0	37.7	39.7	39.9	39.1	39.8
R05-3257	40.5	39.9	37.8	41.0	42.7	39.8	41.0	39.5	40.9	40.3
R05-4027	41.0	41.0	39.7	39.8	42.3	40.1	40.5	41.0	39.9	40.6
S06-3027RR	40.5	41.0	38.8	39.4	42.6	40.1	41.8	40.1	39.4	40.4
S06-3033RR	39.4	39.9	39.9	38.9	41.2	40.4	39.3	39.0	39.0	39.7
S06-3041RR	40.4	39.5	39.1	39.8	43.9	39.4	41.4	39.4	40.3	40.4
S06-3095RR	40.7	39.7	37.1	38.8	42.0	39.7	38.0	39.7	37.6	39.3
S06-4154RR	39.5	38.7	37.1	39.0	42.0	38.4	38.4	39.3	38.3	39.0
S06-4197RR	40.0	40.3	37.5	39.4	43.7	39.9	40.0	39.6	39.3	40.0
TN04-089	42.5	42.0	39.8	41.1	45.7	38.4	41.0	41.2	40.4	41.3
TN05-4703RR	40.0	39.4	40.6	40.7	42.5	37.1	41.9	40.5	40.4	40.3
V04-0742	40.3	41.1	39.2	41.4	43.2	35.9	39.3	41.5	38.9	40.1
V04-0762	41.8	40.7	40.3	42.7	42.9	41.3	41.4	41.9	39.4	41.4
V04-1022	39.1	39.4	40.0	38.8	41.4	39.1	37.9	39.6	39.9	39.5
V04-1062	40.4	39.7	38.6	41.1	43.4	40.1	39.1	40.7	40.6	40.4
V04-5842	43.2	42.6	41.3	42.9	43.5	41.5	43.7	43.2	41.0	42.5
V04-5959	40.7	41.0	40.1	39.8	41.2	40.0	41.3	40.7	39.1	40.4

TABLE 23 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	17.6	14.4	15.9	16.5	16.1	14.4	13.0	14.9	17.2	16.6	14.1	15.6	15.6
DK 4866	16.9	14.2	17.4	14.6	16.3	14.7	12.3	15.5	14.5	15.2	13.4	16.9	15.2
AG 4403	15.6	11.8	15.9	15.2	14.8	13.6	11.4	13.7	11.9	15.3	12.5	13.1	13.9
AG 4903	17.1	12.9	19.3	16.7	17.3	14.6	13.0	15.8	14.7	16.0	14.2	17.3	16.0
94M80	18.0	13.9	15.3	17.1	18.5	17.1	12.7	16.4	14.3	18.6	14.7	16.7	16.3
JTN-4308	16.4	12.8	13.4	15.4	14.3	12.9	11.2	14.9	13.0	13.0	11.5	16.4	13.8
JTN-4408	17.1	14.9	16.4	15.7	16.0	14.6	12.0	16.4	15.3	12.4	13.0	16.5	15.0
JTN-4508	17.4	12.6	17.6	14.8	16.3	14.4	11.4	15.6	12.3	14.0	13.0	15.9	14.8
K06-2891 RR L	17.4	12.1	16.6	14.8	16.5	13.7	11.2	16.2	12.3	17.1	13.4	13.8	14.8
K06-3094 RR L	15.5	11.0	15.5	13.5	14.4	12.4	10.9	13.8	12.4	11.2	11.2	13.9	13.2
K06-3146 RR L	16.0	10.9	14.9	12.0	12.4	11.0	8.7	12.4	11.0	15.5	10.6	12.3	12.4
K06-3159 RR L	16.2	11.8	15.6	14.0	15.0	12.3	10.5	13.3	13.1	12.8	12.1	15.7	13.7
K06-3636 RR L	17.8	13.1	18.5	16.3	14.7	16.6	13.1	17.7	14.6	15.7	15.3	16.6	16.1
LS05-4007	16.6	12.6	16.8	16.5	16.7	13.7	11.9	16.1	14.2	14.1	14.6	16.8	15.3
LS05-6442	15.1	12.2	14.0	12.6	12.7	11.4	9.3	12.1	11.2	15.3	11.2	13.6	12.6
LS05-6513	16.9	13.6	15.9	15.2	15.7	14.3	11.2	15.7	14.0	18.9	12.5	16.2	15.1
LS05-6521	16.1	11.9	15.6	15.2	14.9	13.2	11.0	15.6	14.0	15.4	11.7	16.0	14.4
LS05-8130	14.3	11.4	13.4	14.3	14.3	12.4	9.5	13.8	15.8	13.8	10.4	14.9	13.3
Md 0506WN 34	15.8	13.6	17.0	15.3	17.0	15.2	12.7	16.6	14.8	15.0	15.0	17.5	15.6
Md 0506WN 99	18.2	15.1	18.1	17.2	14.8	16.6	12.8	19.0	16.0	14.0	16.2	17.4	16.4
Md 05-5084	20.2	13.1	20.8	16.8	16.7	16.3	14.4	19.5	14.9	14.4	16.5	18.4	17.2
Md 05-5116	18.1	13.2	17.5	16.2	17.2	15.5	12.9	16.9	16.2	14.1	14.4	16.9	16.0
Md 05-5743	19.6	14.4	17.8	16.5	20.3	15.7	12.7	18.1	15.7	16.7	15.2	19.3	17.0
NCC05-1168	15.6	12.7	15.5	15.1	13.6	13.7	11.4	14.9	14.6	14.7	12.2	15.2	14.2
NCC05-1261	16.5	12.3	15.8	14.6	15.5	13.6	10.4	14.3	13.5	13.5	11.2	14.7	14.0
NCC05-4512R	15.6	12.1	15.8	14.9	14.5	13.5	11.8	15.7	14.8	15.6	13.2	16.1	14.7
R04-1073	18.4	12.8	17.5	16.1	18.0	14.0	11.6	16.8	14.8	12.5	14.1	16.7	15.5
R04-1091	17.3	13.3	16.7	16.2	15.9	13.5	12.3	17.0	16.6	14.1	13.9	16.7	15.5
R05-2199	16.3	12.1	14.7	14.3	15.9	12.3	11.0	16.3	14.1	11.0	12.5	14.5	13.9
R05-3257	17.1	12.9	17.2	16.6	15.6	13.9	12.3	15.5	15.5	14.7	12.4	15.8	15.1
R05-4027	20.2	13.6	16.6	13.7	16.2	13.7	11.5	15.7	15.1	14.1	12.6	15.6	15.0
S06-3027RR	17.0	11.8	15.0	13.6	15.0	12.5	10.3	15.3	13.7	13.7	12.0	16.0	14.0
S06-3033RR	17.0	10.8	14.7	12.3	13.7	12.3	9.1	14.4	11.8	9.6	11.5	14.5	12.8
S06-3041RR	16.1	11.6	16.2	14.8	14.4	11.7	11.0	15.5	14.1	13.6	13.1	16.4	14.3
S06-3095RR	16.2	11.9	15.5	14.5	14.7	12.9	10.5	15.1	12.4	12.4	12.4	16.3	13.9
S06-4154RR	15.3	11.3	13.6	13.9	12.5	11.2	10.2	14.2	13.7	13.7	11.8	13.5	13.1
S06-4197RR	14.6	12.6	14.5	13.9	14.9	13.1	10.4	15.3	13.5	13.8	12.5	14.9	13.8
TN04-089	17.8	14.0	15.4	17.7	14.0	13.7	11.6	16.9	14.5	13.5	12.8	16.9	15.0
TN05-4703RR	15.6	12.3	16.6	14.5	14.4	13.6	10.8	13.7	12.3	12.3	11.8	15.2	13.7
V04-0742	18.7	11.8	16.1	14.9	17.2	13.4	11.4	14.3	13.0	12.6	13.2	15.7	14.6
V04-0762	17.0	12.9	14.7	15.0	12.4	14.4	10.8	14.5	15.0	12.9	12.6	15.6	14.1
V04-1022	16.6	13.5	16.0	15.0	16.1	12.9	11.2	14.9	15.1	12.7	13.5	14.8	14.4
V04-1062	16.1	12.5	14.7	15.4	13.3	12.4	11.1	14.6	12.5	14.8	12.8	14.8	13.9
V04-5842	16.4	11.7	16.8	14.3	16.5	12.4	9.2	15.8	12.9	14.2	12.0	16.5	14.3
V04-5959	17.6	12.7	16.5	15.7	15.5	14.8	12.1	17.5	15.3	14.8	13.9	17.0	15.5

❖Data not included in mean.

TABLE 24 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	19	19	25	19	29	30	29	43	31	25	24	33	33	28
DK 4866	21	32	29	27	29	34	45	43	26	30	26	37	30	31
AG 4403	22	35	30	28	27	37	43	43	27	34	30	34	30	32
AG 4903	22	30	30	29	30	31	42	43	26	32	30	37	31	32
94M80	23	35	27	30	32	40	44	47	27	29	34	40	36	34
JTN-4308	20	30	31	25	38	34	41	47	35	29	34	44	38	34
JTN-4408	31	22	21	22	29	33	31	36	34	46	22	38	35	31
JTN-4508	26	35	34	22	35	40	45	44	33	33	32	43	32	35
K06-2891 RR L	19	34	32	28	29	39	41	47	34	31	32	45	37	34
K06-3094 RR L	20	17	23	14	27	26	24	43	24	18	18	26	28	24
K06-3146 RR L	16	18	23	19	29	30	27	37	28	25	22	27	34	26
K06-3159 RR L	23	20	29	22	30	32	28	36	31	25	26	36	34	29
K06-3636 RR L	22	35	37	28	32	40	43	46	30	30	32	39	38	34
LS05-4007	16	27	26	22	30	32	30	45	33	26	26	37	34	30
LS05-6442	15	16	23	16	22	25	24	33	22	21	20	30	28	23
LS05-6513	17	17	19	18	27	27	28	34	25	18	20	30	28	24
LS05-6521	21	21	25	19	29	31	30	36	26	25	26	33	32	28
LS05-8130	20	16	19	17	26	26	27	35	26	22	24	29	31	25
Md 0506WN 34	31	46	42	40	41	51	58	54	39	46	56	54	42	46
Md 0506WN 99	20	23	15	24	30	32	32	39	31	25	28	37	31	28
Md 05-5084	21	19	26	20	28	33	30	35	31	25	22	33	34	28
Md 05-5116	22	21	25	20	31	32	29	38	27	32	20	35	33	29
Md 05-5743	19	22	25	17	31	32	29	40	36	27	26	36	37	29
NCC05-1168	14	21	26	18	14	31	26	39	29	21	20	34	33	25
NCC05-1261	20	22	25	21	28	30	29	35	28	21	22	31	33	27
NCC05-4512R	21	19	24	19	29	33	35	36	32	22	22	35	33	28
R04-1073	20	21	25	21	32	32	35	41	32	30	28	40	37	31
R04-1091	21	21	24	21	30	34	30	43	32	25	28	41	37	30
R05-2199	17	20	26	20	28	28	30	41	32	21	26	35	35	28
R05-3257	15	20	24	20	26	29	27	39	32	23	24	33	31	27
R05-4027	15	22	22	19	28	31	27	35	28	22	24	29	33	26
S06-3027RR	24	29	38	23	35	37	28	44	39	28	38	46	45	35
S06-3033RR	25	32	35	26	36	42	29	40	41	32	36	44	44	36
S06-3041RR	25	30	39	24	33	45	31	41	38	31	34	47	44	36
S06-3095RR	22	28	29	24	34	41	34	43	35	32	32	36	46	34
S06-4154RR	20	23	24	20	28	29	30	36	34	19	28	34	30	28
S06-4197RR	21	26	25	20	29	33	32	39	34	27	26	36	34	29
TN04-089	16	23	24	22	32	32	32	37	33	27	26	34	37	29
TN05-4703RR	32	42	39	38	38	47	48	51	37	39	38	45	40	41
V04-0742	20	16	21	17	27	29	28	36	24	26	20	31	30	25
V04-0762	15	16	21	16	22	23	24	31	23	18	18	28	23	22
V04-1022	20	22	24	28	27	32	28	38	28	23	22	33	29	27
V04-1062	18	23	27	19	28	34	32	37	28	28	22	33	30	28
V04-5842	11	16	21	16	24	25	23	30	25	18	20	30	26	22
V04-5959	17	15	24	14	26	23	24	31	26	26	22	28	28	24

❖Data not included in mean.

TABLE 25 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(B)	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	.	1.0	3.0	0.8	2.0	1.5	1.5	4.3	1.5	2.0	1.5	2.0	2.0
DK 4866	.	1.5	1.0	1.8	1.0	1.5	2.5	2.3	1.3	2.0	1.5	1.3	1.6
AG 4403	.	1.0	1.0	1.3	1.0	1.5	1.5	2.0	1.3	3.0	1.0	1.0	1.5
AG 4903	.	1.5	1.5	1.5	1.0	1.7	2.5	2.5	1.3	2.0	1.5	1.3	1.7
94M80	1.0	1.5	2.0	1.8	1.5	2.0	2.5	2.3	1.5	2.0	2.0	1.8	1.8
JTN-4308	1.0	1.5	4.0	1.8	3.0	2.0	2.5	4.0	2.0	2.0	3.0	2.0	2.5
JTN-4408	.	1.0	2.0	1.0	2.0	1.8	3.0	3.5	1.8	2.0	2.5	2.0	2.2
JTN-4508	.	2.0	2.5	2.0	1.5	2.5	4.0	3.5	1.3	2.0	2.5	2.0	2.4
K06-2891 RR L	.	1.5	2.5	1.8	1.5	1.5	2.5	3.3	1.3	2.0	2.0	2.0	2.0
K06-3094 RR L	.	1.0	2.5	0.8	3.0	1.7	1.0	4.0	1.5	2.0	2.0	2.0	2.0
K06-3146 RR L	.	1.0	3.0	1.0	2.5	1.8	2.0	3.8	1.3	2.0	2.0	2.0	2.1
K06-3159 RR L	.	1.0	2.5	0.8	2.5	1.7	1.5	3.3	2.3	2.0	4.0	2.3	2.3
K06-3636 RR L	.	1.5	2.0	1.8	2.0	1.7	2.5	2.8	1.5	2.0	2.0	2.3	2.0
LS05-4007	.	1.0	2.0	1.0	2.0	1.5	1.5	4.3	1.5	2.0	2.5	1.3	2.0
LS05-6442	.	1.0	1.0	0.5	1.0	1.3	1.0	2.3	1.0	2.0	2.0	1.8	1.4
LS05-6513	.	1.0	1.0	0.5	1.0	1.3	1.0	2.5	1.3	2.0	1.5	1.3	1.3
LS05-6521	.	1.0	1.5	0.5	2.0	1.5	1.5	3.0	1.5	2.0	1.5	1.5	1.7
LS05-8130	.	1.0	1.0	0.5	2.0	1.5	1.0	3.3	1.5	2.0	2.0	1.5	1.6
Md 0506WN 34	.	3.0	2.5	3.8	2.0	1.8	3.5	3.0	1.5	5.0	3.5	2.3	2.9
Md 0506WN 99	.	1.0	2.0	1.0	2.0	2.0	1.5	3.3	1.8	2.0	2.0	1.8	1.9
Md 05-5084	.	1.0	2.5	0.8	1.5	1.5	1.5	2.8	1.5	2.0	2.0	1.8	1.8
Md 05-5116	.	1.0	1.5	0.5	2.0	1.5	1.0	2.0	1.5	2.0	1.5	1.8	1.5
Md 05-5743	1.0	1.0	3.0	1.0	3.0	2.5	1.0	3.3	2.3	2.0	3.0	3.0	2.3
NCC05-1168	.	1.0	2.5	0.5	1.0	1.5	1.5	3.0	1.5	2.0	1.5	2.0	1.7
NCC05-1261	.	1.0	1.5	0.5	1.5	1.5	1.5	2.8	1.5	2.0	1.5	1.8	1.6
NCC05-4512R	.	1.0	1.5	0.5	1.0	1.5	1.5	3.0	1.5	2.0	1.5	1.3	1.5
R04-1073	.	1.0	2.5	1.0	2.0	1.8	2.0	3.0	1.3	2.0	2.5	2.0	2.0
R04-1091	.	1.0	3.0	1.0	2.0	1.8	1.5	3.5	1.8	2.0	3.0	2.0	2.2
R05-2199	.	1.0	1.5	0.8	2.0	1.5	1.5	2.5	1.8	2.0	2.0	1.5	1.7
R05-3257	.	1.0	1.5	0.8	1.0	1.5	1.0	4.0	1.3	2.0	1.5	1.0	1.6
R05-4027	.	1.0	2.0	1.0	2.0	1.5	1.0	4.0	2.3	2.0	2.0	2.0	2.0
S06-3027RR	.	1.0	3.0	1.3	3.0	3.5	3.5	4.3	3.0	3.0	4.0	3.0	3.2
S06-3033RR	.	1.5	3.0	2.3	3.0	3.5	3.5	4.3	3.0	3.0	4.0	3.0	3.3
S06-3041RR	.	1.0	3.0	1.0	3.5	3.0	2.5	3.5	2.0	3.0	3.5	3.0	2.8
S06-3095RR	.	1.0	2.5	1.5	3.0	2.5	3.5	2.8	2.5	3.0	2.5	2.5	2.6
S06-4154RR	.	1.0	2.5	1.0	3.0	2.3	2.5	4.3	2.0	2.0	3.5	2.5	2.6
S06-4197RR	.	1.5	2.0	1.0	2.5	2.0	1.5	3.5	1.3	2.0	4.0	2.3	2.2
TN04-089	.	1.0	2.0	1.0	1.5	1.5	2.0	2.3	1.8	2.0	2.0	1.8	1.8
TN05-4703RR	1.0	1.5	3.0	3.5	1.5	2.8	3.5	3.3	1.3	3.0	2.0	2.0	2.4
V04-0742	.	1.0	1.0	0.8	1.0	1.0	1.0	3.3	1.3	2.0	1.0	1.0	1.3
V04-0762	.	1.0	1.0	0.5	1.0	1.5	1.0	1.5	1.3	2.0	1.0	1.0	1.2
V04-1022	.	1.0	1.0	2.3	1.0	1.5	2.5	2.5	1.0	2.0	1.5	1.3	1.7
V04-1062	.	1.0	2.0	1.3	1.0	1.5	2.5	2.5	1.3	2.0	2.0	1.3	1.7
V04-5842	.	1.0	1.0	0.5	1.5	1.3	1.0	2.8	1.3	2.0	2.0	1.3	1.5
V04-5959	.	1.0	1.0	0.3	1.0	1.0	1.0	2.0	1.0	2.0	2.0	1.0	1.2

❖Data not included in mean.

TABLE 26 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2008

STRAIN/ VARIETY	JACKSON❖	MCCUNE	PINE TREE	PITTSBURG	PLYMOUTH	PORTAGEVILLE	PRINCETON	QUEENSTOWN	ROHWER	STONEVILLE	ULLIN	WARSAW	MEAN
	TN	KS	AR	KS	NC(B)	MO(A)	KY	MD	AR	MS	IL	VA	
5002T	2.0	2.0	1.5	2.0	1.8	3.0	3.0	1.0	2.5	2.0	1.0	3.0	2.1
DK 4866	2.0	2.0	1.5	2.0	2.3	3.0	1.0	1.0	2.8	2.0	1.0	3.3	2.0
AG 4403	2.5	2.0	2.3	2.0	2.0	3.0	1.0	1.0	3.3	2.0	1.0	2.3	2.0
AG 4903	2.0	2.0	2.0	1.0	1.8	3.0	2.0	1.0	2.8	2.0	1.0	3.3	2.0
94M80	2.5	2.0	1.3	2.0	2.3	3.0	1.0	1.0	3.5	2.0	1.0	2.5	2.0
JTN-4308	2.8	2.0	2.0	2.0	1.8	2.0	2.0	1.0	3.5	2.0	1.0	2.0	1.9
JTN-4408	1.8	2.0	2.0	2.0	1.8	3.0	2.0	1.0	3.8	2.0	1.0	2.0	2.0
JTN-4508	2.5	2.0	2.3	2.0	2.8	4.0	2.0	1.0	2.8	2.0	1.0	2.8	2.2
K06-2891 RR L	3.0	2.0	3.0	2.0	2.0	4.0	2.0	1.0	3.3	2.0	1.0	2.5	2.3
K06-3094 RR L	2.0	2.0	2.0	1.0	1.8	3.0	2.0	1.0	2.8	2.0	1.0	2.3	1.9
K06-3146 RR L	2.0	2.0	2.0	1.0	2.0	3.0	1.0	1.0	3.8	2.0	1.0	1.8	1.9
K06-3159 RR L	2.0	2.0	1.5	1.0	2.0	3.0	2.0	1.0	3.3	2.0	1.0	2.0	1.9
K06-3636 RR L	2.8	2.0	1.8	2.0	3.3	4.0	2.0	1.0	3.8	2.0	1.0	2.5	2.3
LS05-4007	2.0	2.0	0.8	1.0	1.5	3.0	2.0	1.0	2.5	2.0	1.0	2.0	1.7
LS05-6442	2.0	2.0	1.3	2.0	2.0	2.0	1.0	1.0	4.5	2.0	1.0	2.3	1.9
LS05-6513	2.0	2.0	2.0	1.0	1.8	3.0	1.0	1.0	3.8	2.0	1.0	3.0	2.0
LS05-6521	2.0	2.0	1.5	2.0	1.5	2.0	2.0	1.0	2.8	2.0	1.0	2.5	1.8
LS05-8130	2.0	2.0	1.8	1.0	2.0	2.0	1.0	1.0	3.0	2.0	1.0	2.5	1.8
Md 0506WN 34	2.5	3.0	1.8	2.0	1.8	3.0	3.0	1.0	2.8	2.0	1.0	2.0	2.1
Md 0506WN 99	2.8	2.0	0.8	1.0	1.5	4.0	2.0	1.0	2.3	2.0	1.0	2.8	1.8
Md 05-5084	2.0	3.0	1.5	1.0	1.5	3.0	2.0	1.0	3.5	2.0	1.0	2.8	2.0
Md 05-5116	2.0	2.0	1.5	1.0	1.5	2.0	2.0	1.0	3.0	2.0	1.0	2.8	1.8
Md 05-5743	2.0	3.0	1.3	2.0	2.0	4.0	2.0	1.0	3.5	2.0	1.0	3.5	2.3
NCC05-1168	2.0	2.0	1.5	2.0	1.5	2.0	2.0	1.0	3.3	2.0	1.0	2.5	1.9
NCC05-1261	2.0	2.0	1.4	2.0	1.3	3.0	2.0	1.0	2.3	2.0	1.0	2.3	1.8
NCC05-4512R	1.8	2.0	1.0	2.0	1.8	3.0	2.0	1.0	2.3	2.0	1.0	2.0	1.8
R04-1073	2.0	2.0	1.5	2.0	1.5	2.0	2.0	1.0	2.0	2.0	1.0	1.8	1.7
R04-1091	2.0	2.0	1.5	2.0	1.8	2.0	2.0	1.0	2.5	2.0	1.0	2.0	1.8
R05-2199	2.3	2.0	1.5	2.0	2.0	3.0	3.0	1.0	3.0	2.0	1.0	2.0	2.0
R05-3257	2.0	2.0	2.3	1.0	1.3	2.0	2.0	1.0	2.8	2.0	1.0	1.8	1.7
R05-4027	2.0	2.0	2.0	2.0	1.3	3.0	2.0	1.0	3.3	2.0	1.0	2.0	2.0
S06-3027RR	2.0	2.0	2.0	1.0	1.3	3.0	2.0	1.0	2.8	2.0	1.0	2.0	1.8
S06-3033RR	2.0	2.0	1.5	2.0	1.5	2.0	2.0	1.0	2.8	2.0	1.0	1.8	1.8
S06-3041RR	2.3	2.0	3.0	2.0	1.8	2.0	2.0	1.0	2.8	2.0	1.0	2.3	2.0
S06-3095RR	2.0	2.0	1.8	1.0	1.8	3.0	2.0	1.0	2.3	2.0	1.0	2.0	1.8
S06-4154RR	2.3	2.0	2.3	2.0	1.5	3.0	2.0	1.0	3.3	2.0	1.0	2.0	2.0
S06-4197RR	2.0	2.0	1.3	1.0	2.0	2.0	2.0	1.0	3.0	2.0	1.0	2.0	1.8
TN04-089	2.5	2.0	2.0	1.0	1.3	3.0	2.0	1.0	2.5	2.0	1.0	2.0	1.8
TN05-4703RR	2.8	3.0	1.5	2.0	2.3	3.0	2.0	1.0	2.8	2.0	1.0	2.5	2.1
V04-0742	2.0	2.0	1.8	1.0	1.8	3.0	2.0	1.0	2.8	2.0	1.0	2.3	1.9
V04-0762	2.5	2.0	1.8	2.0	1.8	2.0	1.0	1.3	3.5	2.0	1.0	2.5	1.9
V04-1022	2.0	2.0	2.0	2.0	1.8	3.0	2.0	1.5	2.5	2.0	1.0	2.0	2.0
V04-1062	1.8	2.0	1.5	2.0	1.5	2.0	2.0	1.3	2.0	2.0	1.0	1.8	1.7
V04-5842	2.0	2.0	1.8	3.0	1.5	2.0	1.0	1.8	3.0	2.0	1.0	3.3	2.0
V04-5959	2.0	2.0	0.8	2.0	1.8	3.0	2.0	1.0	3.0	2.0	1.0	3.0	2.0

❖Data not included in mean.

## UNIFORM GROUP V

2008

Uniform Group V nurseries were planted at 23 locations. Data were obtained from 21 of the locations. The parentage for each strain is reported in Table 27. Table 28 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil and protein percentages, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 29 - 34.

TABLE 27 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. DPL 5414	Commercial check	
4. OSAGE	Hartz5545 x KS4895	
5. JTN-5503	Fowler x Manokin	F9
6. DS95-217-1-880	Hartwig x (PI 437654 x Ripley)	F9
7. DB01-5289	A5979 W,G,TN X R92-1294/DP3588	
8. DB03-10440	DT96-7918 W,G X DT96-16809 P,T,T	
9. DB03-1381	N94-546 P,T,T X DT96-16809 P,T,T	
10. DB03-8416	DT96-6840 W,G X R95-798 P,G,T	
11. G03-1668 RR	H7242 RR X K1423	F5d
12. JTN-5107	S97-1753 x S96-2641-2-LOAM02	F10
13. JTN-5203	R93-171 x Anand	F9
14. JTN-5207	J98-32 X DT96-6840	F6
15. K05-4987 RR	S99-2281/K03W-104	F5
16. N02-7002	Cook x Anand	
17. N02-7779	Carver x Lambert (0)	
18. NCC02-22219	V91-3036 x TN98-76,077	
19. NCC04-1555	Md97-5905 x N98-274	F4:9
20. NCC04-8020	TN96-58 x Clifford RR, BC3F1	F4:9
21. NCC04-8610	TN96-58 x N93-54 RR, BC2F1	F4:9
22. R01-976	Hartz 4994 x R95-1470	
23. R03-224	Ozark x 99507	
24. R03-946	TN93-99 x R95-798	
25. R04-170RR	Desha x R00-214F	
26. R04-357	R97-1650 x 98601	
27. S04-21273RR	S99-2281 X DP5960RR	5
28. S04-23936RR	P6 X S98-3940-04RR	5
29. S04-8882	S99-2281 X LG97-7012	5
30. S05-4678RR	P1 X S02-670CR	5
31. V03-0293	V91-3036 (3) x RR	F4
32. V03-3650	V92-0254 X Md94-5341	F4
33. V03-4298	V92-0974 X Md92-5769	F4
34. V03-4661	V93-2329 X Anand	F4
35. V03-5306	KS4694 X N94-546	F4

**TABLE 28 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2008**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2008	07-08	06-08	2008	07-08	06-08	2008	07-08	06-08
5601T	18	17	50.6	48.5	48.9	41.5	41.8	42.0	20.7	20.5	19.9
5002T	2	13	53.3	50.2	49.3	40.1	40.5	40.5	21.0	21.3	20.7
DPL 5414	33	27	46.8	.	.	41.9	.	.	19.3	.	.
OSAGE	6	14	52.2	.	.	42.0	.	.	20.1	.	.
JTN-5503	14	16	51.2	49.5	.	40.2	40.5	.	20.3	20.4	.
DS95-217-1-880	9	15	51.9	47.6	47.2	40.2	40.4	40.4	20.9	21.2	20.7
DB01-5289	34	24	46.5	46.6	.	41.6	42.1	.	20.2	20.0	.
DB03-10440	31	23	48.0	.	.	41.1	.	.	20.2	.	.
DB03-1381	32	22	47.9	.	.	40.3	.	.	20.5	.	.
DB03-8416	35	27	45.3	.	.	41.8	.	.	20.6	.	.
G03-1668 RR	25	20	48.7	46.6	46.7	40.0	39.9	40.1	20.7	21.5	20.8
JTN-5107	17	17	50.7	.	.	40.9	.	.	21.1	.	.
JTN-5203	22	20	49.4	47.5	48.1	40.4	40.8	40.7	21.3	21.0	20.5
JTN-5207	27	22	48.3	.	.	41.1	.	.	20.2	.	.
K05-4987 RR	13	14	51.4	.	.	38.2	.	.	20.3	.	.
N02-7002	4	13	52.6	.	.	40.6	.	.	19.7	.	.
N02-7779	12	15	51.7	47.0	.	39.2	39.5	.	21.5	21.5	.
NCC02-22219	5	14	52.3	48.4	.	42.0	42.3	.	20.8	20.9	.
NCC04-1555	19	18	50.5	.	.	39.5	.	.	20.9	.	.
NCC04-8020	24	20	49.0	.	.	40.9	.	.	20.7	.	.
NCC04-8610	21	19	49.8	.	.	41.4	.	.	20.4	.	.
R01-976	3	13	52.9	50.5	50.0	40.9	40.9	41.0	21.0	20.9	20.3
R03-224	10	16	51.8	49.9	.	41.4	41.6	.	20.1	20.2	.
R03-946	8	15	51.9	.	.	40.4	.	.	21.5	.	.
R04-170RR	26	21	48.5	.	.	39.3	.	.	20.9	.	.
R04-357	1	10	53.8	.	.	40.8	.	.	20.5	.	.
S04-21273RR	11	15	51.8	.	.	40.2	.	.	20.3	.	.
S04-23936RR	23	20	49.0	.	.	41.4	.	.	20.9	.	.
S04-8882	15	17	51.0	.	.	39.1	.	.	20.8	.	.
S05-4678RR	20	18	50.0	.	.	41.4	.	.	20.4	.	.
V03-0293	30	21	48.2	.	.	39.5	.	.	21.2	.	.
V03-3650	16	17	51.0	.	.	40.2	.	.	21.1	.	.
V03-4298	7	15	52.1	.	.	39.7	.	.	20.7	.	.
V03-4661	29	21	48.2	.	.	43.0	.	.	21.0	.	.
V03-5306	28	23	48.2	.	.	40.8	.	.	21.1	.	.

❖Data not included in Mean: 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  
2006 - Alexandria, LA; Bossier City, LA; Rohwer, AR

Line DS95-217-1-880 was incorrectly labeled in the report for Uniform Test V in 2007. Therefore the rolling average for this line in the 2007 is incorrect.



TABLE 28 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5601T	10/08	1.8	29	1.7	14.5			
5002T	2-	2.1	27	2.1	16.0			
DPL 5414	0	2.3	35	1.9	15.1			
OSAGE	0	1.7	27	1.8	13.3			
JTN-5503	1+	2.3	28	1.9	15.4	W	T	T
DS95-217-1-880	0	1.6	25	2.0	15.1	P	T	T
DB01-5289	1-	2.2	28	1.8	15.4	W	T	T
DB03-10440	1-	2.5	30	2.1	17.1	P	G	T
DB03-1381	2+	2.2	26	1.8	14.1	P	T	T
DB03-8416	0	2.2	28	2.0	15.8	P	G	T
G03-1668 RR	2+	2.2	31	1.7	14.1	P	T	T
JTN-5107	1+	2.0	30	2.1	14.5	W	G	T
JTN-5203	0	1.6	26	2.0	14.1	W	G	T
JTN-5207	1+	2.3	34	2.3	16.8	W	T	T
K05-4987 RR	1-	2.3	29	1.9	12.9			
N02-7002	1-	1.9	29	1.9	15.8	P	T	
N02-7779	2-	1.9	26	2.2	15.4	P	G	
NCC02-22219	1-	2.2	31	2.1	17.4			
NCC04-1555	3+	1.9	28	1.8	12.5	P	T	
NCC04-8020	1+	1.8	31	1.8	13.7	S	G	T
NCC04-8610	2+	1.8	28	1.7	14.4	W	G	T
R01-976	3+	2.0	30	2.0	16.5	S	G	T
R03-224	1+	1.8	29	1.8	16.0	P	T	T
R03-946	2+	2.3	31	1.8	15.5	P	G	T
R04-170RR	3+	1.8	31	1.9	14.4	S	G	T
R04-357	1+	2.4	31	1.8	13.9	P	G	T
S04-21273RR	2+	2.3	33	2.0	16.2	W	T	T
S04-23936RR	3-	2.0	34	2.1	18.1	W	T	T
S04-8882	1-	2.1	31	2.0	14.0	W	G	
S05-4678RR	0	2.0	37	2.0	17.1	W	T	T
V03-0293	1+	1.7	27	1.7	13.7	P	G	
V03-3650	0	1.9	29	1.8	14.3	S	T	
V03-4298	0	1.6	27	1.9	14.7	P	G	
V03-4661	2-	1.6	26	1.8	15.6	P	T	
V03-5306	2+	1.7	30	1.9	15.0	S	T	

TABLE 28 ~ Continued

## PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK GA	SRK GA	SMV G1	SMV G1 SEGREGATION	SMV G1	SC RATING	SC SCORE	SDS CDX
	1.2.5.7	5.7	1.3.5.6.7					SEVERE SUSCEPTIBLE			
5601T	5	5	3	4.8	5.0	R	no	no	R	1	35.2
5002T	4	4	5	4.5	5.0	S	no	no	R	1	18.5
DPL 5414	3	1	5	4.8	5.0	R	no	no	R	1	35.2
OSAGE	3	4	4	5.0	5.0	R	SEG	no	R	1	24.1
JTN-5503	1	1	1	4.3	5.0	S	no	no	MS	4	20.4
DS95-217-1-880	1	2	1	5.0	5.0	S	no	no	MR	2	16.7
DB01-5289	3	1	2	4.8	5.0	R	no	no	R	1	24.1
DB03-10440	4	1	3	4.8	5.0	R	no	no	R	1	37.0
DB03-1381	5	2	.	5.0	5.0	R	no	no	R	1	18.5
DB03-8416	4	5	5	4.8	5.0	R	no	no	R	1	20.4
G03-1668 RR	2	1	5	3.8	1.0	S	no	no	R	1	25.9
JTN-5107	1	1	3	4.5	5.0	R	SEG	no	R	1	40.7
JTN-5203	1	3	1	5.0	5.0	S	SEG	no	R	1	17.8
JTN-5207	1	1	2	4.0	5.0	S	SEG	no	SS	3	20.4
K05-4987 RR	1	1	2	4.3	3.0	R	no	no	SS	3	22.2
N02-7002	1	3	2	4.8	5.0	R	no	no	SS	3	31.5
N02-7779	4	4	5	5.0	5.0	R	no	no	S	5	24.1
NCC02-22219	3	5	5	5.0	4.5	R	no	no	R	1	16.1
NCC04-1555	3	3	5	4.3	4.3	S	SEG	no	R	1	24.1
NCC04-8020	4	4	5	5.0	5.0	R	no	no	R	1	24.1
NCC04-8610	4	2	5	5.0	5.0	R	no	no	R	1	33.3
R01-976	3	4	5	3.3	4.5	S	SEG	no	S	5	14.8
R03-224	3	5	4	5.0	5.0	R	no	no	R	1	22.2
R03-946	4	4	4	5.0	5.0	R	no	no	SS	3	27.8
R04-170RR	4	4	5	5.0	5.0	R	no	no	MR	2	22.2
R04-357	3	2	4	4.8	5.0	S	no	no	SS	3	29.6
S04-21273RR	4	1	2	4.8	5.0	R	no	no	SS	3	25.9
S04-23936RR	4	1	4	4.8	5.0	S	no	SEVERE	R	1	59.3
S04-8882	1	1	1	3.5	5.0	S	SEG	no	S	5	20.4
S05-4678RR	3	2	5	4.8	5.0	S	no	no	R	1	51.9
V03-0293	3	1	4	5.0	5.0	S	SEG	no	R	1	48.1
V03-3650	4	4	5	4.8	5.0	R	no	no	SS	3	24.1
V03-4298	4	3	3	4.8	5.0	R	no	no	S	5	14.8
V03-4661	2	1	4	5.0	4.3	S	no	no	SS	3	14.8
V03-5306	4	4	4	4.5	5.0	S	no	no	S	5	14.1

**TABLE 29 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2008**

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC(A)	QUEENSTOWN❖ MD	SUFFOLK VA	WARSAW❖ VA	
5601T	51.3	37.2	70.2	53.3	60.8
5002T	45.4	40.4	55.8	49.3	50.6
DPL 5414	44.7	47.3	62.6	50.3	53.7
OSAGE	53.8	30.9	68.7	46.0	61.3
JTN-5503	49.4	44.6	55.8	46.7	52.6
DS95-217-1-880	46.8	44.5	64.3	50.0	55.5
DB01-5289	46.7	42.5	45.9	43.7	46.3
DB03-10440	43.8	38.9	50.3	48.0	47.0
DB03-1381	51.2	40.5	58.7	52.0	54.9
DB03-8416	42.6	39.0	46.2	39.7	44.4
G03-1668 RR	45.1	45.9	66.5	59.3	55.8
JTN-5107	48.7	46.7	49.2	56.7	48.9
JTN-5203	47.1	46.9	63.4	52.3	55.3
JTN-5207	44.9	39.4	57.1	45.7	51.0
K05-4987 RR	45.7	45.6	64.0	52.0	54.9
N02-7002	42.5	39.3	64.1	55.3	53.3
N02-7779	49.6	31.0	65.8	51.0	57.7
NCC02-22219	47.2	33.8	77.4	54.3	62.3
NCC04-1555	52.5	37.7	69.5	43.0	61.0
NCC04-8020	51.7	31.6	64.0	47.0	57.8
NCC04-8610	50.4	48.2	67.4	47.7	58.9
R01-976	50.4	31.3	59.6	49.3	55.0
R03-224	47.7	31.6	73.7	57.0	60.7
R03-946	50.7	38.6	70.4	50.3	60.6
R04-170RR	48.8	31.0	71.1	52.3	59.9
R04-357	50.1	39.4	69.2	52.3	59.7
S04-21273RR	44.1	45.0	67.7	40.3	55.9
S04-23936RR	45.7	43.2	57.2	40.7	51.4
S04-8882	47.9	49.7	64.0	51.0	56.0
S05-4678RR	48.2	41.1	54.0	47.3	51.1
V03-0293	40.3	47.0	45.4	57.3	42.8
V03-3650	50.5	38.0	63.1	48.7	56.8
V03-4298	50.4	34.1	65.2	43.0	57.8
V03-4661	44.5	53.8	63.2	42.7	53.8
V03-5306	46.5	36.5	66.3	48.0	56.4
LOCATION MEANS	47.6	40.3	62.2	49.2	54.9
L.S.D. (0.05)	5.3	11.1	14.6	18.4	.
C.V. (%)	6.8	16.9	14.7	22.9	23.3

❖Data not included in mean.

TABLE 29 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	44.1	43.3	42.5	44.9	50.8	33.4	48.1	49.4	46.2
5002T	48.8	43.0	40.9	55.3	55.8	29.7	46.0	58.3	49.7
DPL 5414	38.2	42.7	39.3	47.8	40.7	26.3	48.5	47.1	43.5
OSAGE	54.2	42.7	41.4	51.2	46.1	23.8	49.4	51.9	48.1
JTN-5503	51.6	41.2	47.1	47.5	44.1	34.6	50.3	56.8	48.4
DS95-217-1-880	46.7	43.6	40.2	54.1	41.8	24.2	43.0	61.2	47.2
DB01-5289	43.0	39.7	40.4	34.7	43.4	27.3	47.2	53.9	43.2
DB03-10440	35.7	47.5	39.7	41.9	45.4	28.0	46.0	48.6	43.6
DB03-1381	37.2	39.3	40.8	45.1	43.4	34.6	51.8	56.3	44.8
DB03-8416	43.6	41.8	41.3	39.2	44.9	29.5	51.1	47.9	44.3
G03-1668 RR	46.4	44.8	48.2	50.1	42.5	28.5	47.9	49.6	47.1
JTN-5107	41.8	40.0	43.8	54.9	50.7	25.1	45.8	63.8	48.7
JTN-5203	45.4	43.3	40.3	44.3	38.2	26.1	37.1	57.2	43.7
JTN-5207	43.5	41.2	42.8	42.7	41.6	25.5	45.4	57.9	45.0
K05-4987 RR	48.3	44.2	45.2	47.3	44.1	31.2	48.9	57.4	47.9
N02-7002	50.5	44.5	44.1	50.3	48.2	29.3	55.8	57.6	50.1
N02-7779	50.9	43.3	38.1	57.6	45.9	25.7	39.8	52.4	46.8
NCC02-22219	48.9	39.6	45.5	55.1	42.1	23.5	50.5	50.2	47.4
NCC04-1555	47.8	39.9	42.5	67.6	37.8	30.3	55.2	49.4	48.6
NCC04-8020	37.4	41.2	43.9	43.7	43.6	22.7	47.9	53.7	44.5
NCC04-8610	44.2	42.1	42.4	49.5	38.1	27.6	52.3	53.6	46.0
R01-976	44.2	44.5	42.0	57.8	39.7	25.8	60.8	55.1	49.2
R03-224	46.1	44.5	48.6	57.8	41.9	26.8	49.2	52.0	48.6
R03-946	48.1	45.1	43.8	63.3	40.7	27.7	57.6	47.7	49.5
R04-170RR	31.8	43.9	39.9	54.9	37.2	31.8	56.4	48.7	44.7
R04-357	46.6	46.6	44.4	55.2	47.5	27.5	50.2	52.3	49.0
S04-21273RR	50.5	41.8	40.4	56.2	35.4	30.5	53.3	52.2	47.1
S04-23936RR	39.6	45.4	39.6	40.2	44.7	27.5	41.0	54.7	43.6
S04-8882	46.7	40.9	42.8	47.6	43.0	28.4	51.2	57.3	47.1
S05-4678RR	38.7	39.0	47.0	44.7	45.7	20.4	37.9	54.6	43.9
V03-0293	46.3	45.4	39.2	46.4	38.8	26.0	44.3	39.0	42.8
V03-3650	49.6	41.8	45.6	48.5	37.4	28.3	40.8	45.4	44.2
V03-4298	54.2	40.9	44.9	55.0	49.9	24.9	50.5	51.3	49.5
V03-4661	44.0	29.4	40.1	46.1	43.8	20.6	34.2	56.6	42.0
V03-5306	43.9	40.6	33.2	48.5	36.8	22.1	42.3	48.1	41.9
LOCATION MEANS	45.1	42.2	42.3	49.9	43.2	27.3	47.9	52.8	46.2
L.S.D. (0.05)	12.8	8.5	9.5	11.7	6.1	7.4	7.4	6.5	5.0
C.V. (%)	14.0	12.4	13.8	14.4	8.6	16.6	9.5	7.6	13.8

❖Data not included in mean.

TABLE 29 ~ Continued

STRAIN/ VARIETY	DELTA					MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	
5601T	61.0	69.5	52.1	54.6	72.1	61.8
5002T	64.0	72.6	57.6	55.3	89.5	67.8
DPL 5414	56.4	57.7	53.7	47.9	74.6	58.1
OSAGE	65.9	66.1	56.2	55.0	80.7	64.8
JTN-5503	68.4	59.4	54.4	58.2	71.2	62.3
DS95-217-1-880	69.8	69.4	45.9	51.1	85.9	64.5
DB01-5289	60.7	63.2	44.9	42.7	78.2	58.0
DB03-10440	66.1	67.7	53.1	49.2	85.8	64.4
DB03-1381	63.8	60.0	55.8	43.1	84.0	61.3
DB03-8416	54.7	58.4	54.4	37.6	73.6	55.8
G03-1668 RR	57.4	60.7	57.2	38.2	65.2	55.8
JTN-5107	66.4	69.5	58.4	48.1	74.9	63.5
JTN-5203	70.9	65.9	54.7	54.8	70.4	63.3
JTN-5207	64.2	62.2	56.4	49.1	74.6	61.3
K05-4987 RR	65.7	63.1	55.1	54.8	73.3	62.4
N02-7002	68.6	65.1	56.1	54.1	80.2	64.8
N02-7779	59.8	66.5	55.2	56.4	86.1	64.8
NCC02-22219	60.7	61.7	58.7	55.7	77.6	62.9
NCC04-1555	52.5	49.2	63.0	50.8	68.2	56.7
NCC04-8020	64.2	60.4	59.1	44.2	74.2	60.4
NCC04-8610	60.2	58.1	61.4	48.5	70.9	59.8
R01-976	61.1	57.1	64.6	57.9	86.6	65.5
R03-224	58.9	57.5	62.1	50.8	77.0	61.3
R03-946	58.9	56.0	63.8	51.9	70.4	60.2
R04-170RR	52.8	51.9	62.7	42.3	66.8	55.3
R04-357	58.9	66.3	65.2	53.0	84.6	65.6
S04-21273RR	66.2	59.5	59.2	60.6	78.7	64.8
S04-23936RR	59.8	62.1	55.4	49.2	80.0	61.3
S04-8882	61.0	65.2	51.1	50.0	75.6	60.6
S05-4678RR	63.8	65.8	54.4	58.1	73.3	63.1
V03-0293	80.5	61.3	55.0	51.3	63.8	62.4
V03-3650	58.0	57.7	60.2	59.7	83.4	63.8
V03-4298	61.0	62.0	59.1	53.7	83.0	63.7
V03-4661	65.2	60.7	53.9	57.8	63.6	60.2
V03-5306	63.1	55.4	59.0	52.1	73.8	60.7
LOCATION MEANS	62.6	61.9	56.8	51.4	76.3	61.8
L.S.D. (0.05)	13.2	6.1	8.0	8.6	7.0	6.6
C.V. (%)	12.8	6.0	8.7	9.6	5.6	11.1

TABLE 29 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5601T	30.7	18.2	36.6	39.6	35.7
5002T	36.4	13.1	40.0	41.5	39.3
DPL 5414	22.2	17.3	35.0	36.5	31.2
OSAGE	24.2	15.8	34.7	44.5	34.4
JTN-5503	37.1	6.2	31.6	45.6	38.1
DS95-217-1-880	31.7	15.3	38.9	47.6	39.4
DB01-5289	25.8	24.2	37.7	42.4	35.3
DB03-10440	25.8	26.3	29.4	39.2	31.4
DB03-1381	17.1	12.5	32.0	35.4	28.2
DB03-8416	25.0	17.2	31.7	36.6	31.1
G03-1668 RR	24.2	34.3	38.5	44.9	35.9
JTN-5107	24.8	15.6	33.5	47.7	35.3
JTN-5203	26.4	8.4	36.1	44.2	35.6
JTN-5207	25.0	14.3	33.3	39.3	32.5
K05-4987 RR	30.5	17.8	39.8	46.1	38.8
N02-7002	36.0	25.1	30.3	46.1	37.5
N02-7779	29.3	20.9	35.3	47.1	37.2
NCC02-22219	29.9	23.8	43.4	45.4	39.6
NCC04-1555	33.1	27.4	37.5	42.7	37.8
NCC04-8020	27.0	25.6	38.4	38.1	34.5
NCC04-8610	24.8	22.0	32.8	49.6	35.7
R01-976	38.6	20.2	35.7	43.9	39.4
R03-224	35.4	27.6	37.3	40.2	37.6
R03-946	38.8	27.2	39.2	36.7	38.2
R04-170RR	36.8	19.4	34.3	44.6	38.6
R04-357	42.7	13.8	40.5	42.3	41.8
S04-21273RR	32.4	22.2	34.1	48.2	38.2
S04-23936RR	36.6	16.3	38.8	43.5	39.6
S04-8882	42.7	23.6	39.1	41.8	41.2
S05-4678RR	44.7	18.5	39.1	41.2	41.6
V03-0293	38.2	18.5	40.9	42.9	40.7
V03-3650	42.9	18.3	36.1	46.5	41.8
V03-4298	28.5	26.3	36.2	40.1	34.9
V03-4661	30.1	8.7	39.1	47.6	38.9
V03-5306	37.6	14.5	34.1	38.9	36.8
LOCATION MEANS	31.8	19.3	36.3	42.8	37.0
L.S.D. (0.05)	4.4	9.6	4.2	7.0	7.2
C.V. (%)	8.4	30.6	7.1	10.0	14.0

❖Data not included in mean.

TABLE 30 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2008

## OIL PERCENTAGES

STRAIN/ VARIETY	BOSSIER❖		KNOXVILLE TN	MCCUNE KS	ORANGE VA	PINE	PITTS-	PLYMOUTH NC(A)	PORTAGE-	PORTAGE-	PRINCE-	QUEENS-❖	ROHWER AR	STONE-	ULLIN IL	WARSAW❖ VA	MEAN
	BIXBY OK	CITY LA				TREE AR	BURG KS		VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD		VILLE MS			
5601T	19.9	.	21.0	.	21.2	.	20.0	20.6	21.7	.	21.1	.	20.4	21.3	19.8	20.3	20.7
5002T	19.8	.	20.4	.	19.8	.	21.3	22.3	22.6	.	20.1	.	22.1	.	20.8	19.9	21.0
DPL 5414	20.0	.	19.1	.	19.2	.	18.8	18.0	20.3	.	18.7	.	20.7	19.4	19.0	19.7	19.3
OSAGE	22.0	.	19.5	.	19.6	.	19.7	18.7	21.0	.	19.4	.	20.6	20.7	19.6	19.8	20.1
JTN-5503	21.6	.	19.6	.	19.6	.	21.4	20.0	21.1	.	19.1	.	20.7	20.3	19.9	20.0	20.3
DS95-217-1-880	20.7	.	20.9	.	20.7	.	20.9	20.6	21.8	.	20.1	.	21.7	21.1	20.4	20.6	20.9
DB01-5289	19.8	.	19.5	.	19.3	.	21.5	21.6	20.8	.	19.2	.	20.6	19.7	19.6	19.8	20.2
DB03-10440	20.6	.	20.7	.	19.8	.	19.8	20.5	20.8	.	19.5	.	20.7	20.0	19.5	20.1	20.2
DB03-1381	20.1	.	20.5	.	20.3	.	20.8	20.0	21.5	.	19.4	.	20.8	21.6	19.8	20.7	20.5
DB03-8416	21.5	.	21.1	.	20.9	.	19.8	20.3	21.4	.	18.9	.	21.0	.	20.7	20.3	20.6
G03-1668 RR	20.5	.	20.4	.	20.0	.	20.5	19.6	22.8	.	20.3	.	21.0	.	21.0	21.0	20.7
JTN-5107	21.6	.	20.7	.	20.7	.	20.7	21.7	21.5	.	20.7	.	21.1	21.5	20.3	20.7	21.1
JTN-5203	21.3	.	20.9	.	21.2	.	21.8	21.6	21.9	.	20.9	.	21.6	21.9	20.1	21.3	21.3
JTN-5207	20.0	.	20.8	.	19.6	.	19.2	20.7	21.0	.	19.7	.	20.8	20.7	19.9	20.0	20.2
K05-4987 RR	20.4	.	19.7	.	19.7	.	20.4	21.7	20.5	.	19.6	.	20.3	21.2	19.1	19.7	20.3
N02-7002	20.0	.	19.5	.	19.7	.	20.8	19.4	20.1	.	19.1	.	19.7	20.2	19.0	19.1	19.7
N02-7779	22.1	.	21.4	.	21.1	.	21.3	22.6	21.2	.	20.6	.	22.1	21.4	20.9	21.3	21.5
NCC02-22219	21.0	.	20.8	.	20.6	.	20.1	21.7	21.6	.	18.8	.	21.9	21.1	20.8	20.1	20.8
NCC04-1555	20.4	.	21.2	.	21.2	.	20.7	21.3	22.0	.	18.3	.	21.2	22.3	20.7	20.4	20.9
NCC04-8020	20.1	.	20.3	.	20.1	.	20.8	21.3	21.4	.	20.9	.	20.8	20.5	20.5	20.9	20.7
NCC04-8610	19.9	.	21.5	.	19.2	.	20.4	20.4	21.7	.	19.3	.	20.9	20.9	19.8	20.6	20.4
R01-976	20.5	.	21.7	.	20.6	.	21.1	21.3	21.3	.	20.3	.	21.4	21.5	20.0	20.3	21.0
R03-224	19.4	.	20.5	.	18.7	.	19.7	20.4	21.2	.	19.1	.	20.6	21.6	19.9	19.6	20.1
R03-946	21.3	.	21.6	.	20.7	.	21.5	23.1	21.5	.	20.5	.	21.4	21.7	21.3	21.0	21.5
R04-170RR	21.0	.	21.0	.	20.1	.	20.7	22.4	21.5	.	19.5	.	20.5	21.8	20.6	21.0	20.9
R04-357	20.9	.	19.7	.	20.1	.	20.2	21.0	21.2	.	21.1	.	20.9	20.3	19.7	20.1	20.5
S04-21273RR	20.2	.	20.3	.	20.0	.	19.7	20.4	21.5	.	20.9	.	20.5	19.8	19.8	20.4	20.3
S04-23936RR	21.6	.	19.9	.	20.1	.	21.0	21.6	21.5	.	20.4	.	21.5	20.4	21.5	20.4	20.9
S04-8882	20.7	.	20.4	.	19.9	.	20.7	21.9	22.2	.	19.2	.	21.8	21.6	19.6	20.7	20.8
S05-4678RR	20.3	.	20.0	.	19.5	.	21.0	19.6	20.4	.	20.1	.	21.8	20.5	20.4	20.2	20.4
V03-0293	20.8	.	21.2	.	21.6	.	21.0	21.5	23.0	.	19.9	.	21.5	21.7	20.1	20.9	21.2
V03-3650	20.8	.	20.8	.	20.7	.	20.7	22.6	22.2	.	19.1	.	21.7	21.4	20.8	20.1	21.1
V03-4298	20.2	.	21.2	.	21.3	.	19.5	20.9	21.3	.	20.2	.	21.1	21.0	20.0	20.3	20.7
V03-4661	20.6	.	20.3	.	20.5	.	20.9	21.6	22.4	.	19.9	.	22.6	20.4	20.9	20.2	21.0
V03-5306	21.5	.	21.4	.	19.9	.	20.5	21.1	21.6	.	20.3	.	22.4	21.2	20.8	20.8	21.1

❖Data not included in mean.

TABLE 30 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	BOSSIER-❖		KNOXVILLE TN	MCCUNE KS	ORANGE VA	PINE	PITTS-	PLYMOUTH NC(A)	PORTAGE-	PORTAGE-	PRINCE-	QUEENS-❖	ROHWER AR	STONE-	ULLIN IL	WARSAW-❖ VA	MEAN
	BIXBY OK	CITY LA				TREE AR	BURG KS		VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD		VILLE MS			
5601T	41.6	.	42.0	.	42.1	.	42.0	40.0	40.2	.	41.7	.	41.3	41.8	42.5	40.5	41.5
5002T	39.9	.	40.7	.	38.2	.	40.6	41.5	38.6	.	41.1	.	39.8	.	40.1	39.7	40.1
DPL 5414	40.8	.	42.5	.	41.0	.	42.2	42.4	41.1	.	43.9	.	40.8	41.6	42.7	41.8	41.9
OSAGE	42.2	.	42.1	.	40.3	.	41.6	43.0	41.9	.	43.7	.	42.2	40.6	42.5	41.7	42.0
JTN-5503	41.3	.	40.5	.	39.3	.	41.0	40.0	38.5	.	42.1	.	39.6	40.2	39.6	39.3	40.2
DS95-217-1-880	40.6	.	41.4	.	39.1	.	40.0	40.0	40.1	.	42.6	.	39.0	38.9	40.4	40.0	40.2
DB01-5289	41.2	.	41.9	.	41.2	.	41.9	41.8	41.2	.	43.4	.	40.5	41.0	41.6	40.5	41.6
DB03-10440	40.8	.	40.6	.	40.8	.	41.1	40.0	40.1	.	43.6	.	40.0	41.7	41.9	39.8	41.1
DB03-1381	40.7	.	39.8	.	39.9	.	41.4	39.8	38.5	.	43.5	.	39.6	39.1	41.1	39.0	40.3
DB03-8416	39.9	.	42.3	.	41.5	.	42.4	41.6	41.5	.	44.6	.	41.5	.	41.0	41.9	41.8
G03-1668 RR	41.8	.	39.9	.	38.3	.	38.7	40.3	38.6	.	41.2	.	40.6	.	40.7	40.4	40.0
JTN-5107	41.2	.	41.9	.	40.6	.	40.9	40.6	40.4	.	41.5	.	40.0	41.3	41.0	40.2	40.9
JTN-5203	42.7	.	41.4	.	40.6	.	39.3	39.7	38.6	.	41.8	.	39.3	41.1	39.7	39.6	40.4
JTN-5207	40.8	.	42.1	.	40.5	.	41.0	40.5	40.8	.	43.3	.	41.4	38.8	41.9	40.0	41.1
K05-4987 RR	38.7	.	38.6	.	37.3	.	36.2	34.9	38.4	.	40.8	.	39.3	39.4	38.3	37.3	38.2
N02-7002	40.2	.	40.8	.	40.0	.	41.2	40.2	39.8	.	42.1	.	40.3	40.3	41.4	39.6	40.6
N02-7779	40.9	.	39.5	.	39.2	.	41.2	36.6	38.5	.	40.8	.	37.1	39.5	39.2	39.8	39.2
NCC02-22219	41.0	.	42.2	.	40.5	.	42.5	42.1	41.3	.	45.0	.	41.3	41.2	43.3	41.7	42.0
NCC04-1555	40.1	.	38.5	.	39.3	.	39.6	38.0	38.6	.	42.8	.	39.8	38.1	40.2	39.7	39.5
NCC04-8020	40.4	.	41.9	.	41.5	.	41.2	39.2	40.1	.	41.8	.	40.4	40.5	42.2	41.2	40.9
NCC04-8610	40.7	.	41.5	.	41.5	.	41.6	40.5	40.1	.	43.5	.	41.0	40.5	43.0	40.8	41.4
R01-976	40.6	.	41.8	.	40.6	.	41.8	39.3	40.0	.	42.4	.	41.2	40.8	40.9	41.0	40.9
R03-224	41.3	.	41.1	.	40.4	.	41.1	40.5	40.9	.	42.9	.	41.4	41.7	42.3	40.6	41.4
R03-946	40.0	.	40.3	.	39.5	.	40.9	42.2	39.3	.	42.7	.	39.5	39.2	40.3	39.6	40.4
R04-170RR	38.9	.	39.0	.	38.0	.	39.4	39.4	38.3	.	42.4	.	39.7	38.4	39.9	39.6	39.3
R04-357	41.3	.	41.3	.	41.8	.	40.7	39.3	39.7	.	42.2	.	39.9	40.2	41.6	39.8	40.8
S04-21273RR	39.5	.	39.5	.	40.2	.	39.2	39.0	38.2	.	41.3	.	39.3	45.3	40.4	39.4	40.2
S04-23936RR	41.5	.	43.3	.	41.4	.	41.2	40.3	40.7	.	42.4	.	40.1	42.4	40.8	42.1	41.4
S04-8882	39.5	.	40.0	.	38.2	.	38.1	37.3	38.0	.	43.1	.	38.4	39.0	39.8	38.0	39.1
S05-4678RR	41.8	.	43.0	.	41.8	.	40.8	42.4	41.6	.	42.5	.	38.9	40.1	41.2	40.8	41.4
V03-0293	38.9	.	40.0	.	37.8	.	38.9	38.0	37.6	.	42.8	.	39.5	40.3	40.9	38.7	39.5
V03-3650	40.5	.	41.1	.	39.2	.	40.2	38.1	40.3	.	43.7	.	39.0	39.4	40.6	40.3	40.2
V03-4298	39.3	.	40.8	.	40.5	.	40.6	37.3	38.9	.	41.8	.	38.4	38.8	40.8	39.8	39.7
V03-4661	42.9	.	43.7	.	41.9	.	43.3	41.9	43.7	.	44.4	.	43.0	41.7	43.2	42.2	43.0
V03-5306	42.0	.	40.4	.	40.9	.	42.0	39.5	40.3	.	41.8	.	39.2	39.8	41.8	39.9	40.8

❖Data not included in mean.



TABLE 30 ~ Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	BOSSIER❖		KNOXVILLE TN	MCCUNE KS	ORANGE VA	PINE	PITTS-	PLYMOUTH NC(A)	PORTAGE-	PORTAGE-	PRINCE-	QUEENS-❖	ROHWER AR	STONE-	ULLIN IL	WARSAW❖ VA	MEAN
	BIXBY OK	CITY LA				TREE AR	BURG KS		VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD		VILLE MS			
5601T	16.6	12.4	14.4	16.4	19.4	14.7	14.9	14.2	13.1	14.0	11.7	15.7	13.2	14.1	12.0	16.3	14.5
5002T	17.4	14.3	16.4	17.1	19.5	17.0	16.1	16.4	16.3	14.3	12.4	15.6	14.4	16.7	14.4	16.4	16.0
DPL 5414	16.1	12.4	15.7	17.3	19.5	15.6	16.3	14.4	13.5	13.9	12.6	16.8	14.0	13.6	13.3	16.1	15.1
OSAGE	15.4	11.0	13.0	13.9	16.9	13.9	14.3	13.5	12.1	13.5	11.0	12.5	12.3	11.6	11.4	16.2	13.3
JTN-5503	16.2	13.5	15.9	17.0	19.2	16.2	17.2	15.3	14.7	14.5	12.4	14.8	13.3	14.5	13.5	18.0	15.4
DS95-217-1-880	16.0	15.0	15.8	17.1	18.1	17.3	16.3	15.6	13.9	14.0	13.5	14.9	13.7	11.8	13.0	14.7	15.1
DB01-5289	17.6	14.8	16.9	16.7	19.8	14.8	16.6	15.0	15.1	15.1	12.2	15.7	14.7	12.8	12.6	16.0	15.4
DB03-10440	16.9	14.5	16.7	18.6	24.6	18.9	18.4	17.3	15.5	15.7	13.3	17.1	15.0	16.4	14.8	17.2	17.1
DB03-1381	17.6	12.8	15.0	15.7	19.3	14.5	14.8	13.3	11.8	12.7	11.0	14.0	13.1	12.9	11.5	17.7	14.1
DB03-8416	15.6	16.0	17.2	17.6	21.1	15.6	17.9	15.8	14.6	14.3	13.8	16.2	14.1	13.5	13.9	17.9	15.8
G03-1668 RR	18.0	13.7	14.5	15.2	19.0	13.5	14.8	13.6	13.0	13.6	11.9	14.6	10.9	14.0	11.8	17.9	14.1
JTN-5107	15.6	13.0	16.1	14.6	18.0	14.8	15.1	13.7	14.1	14.1	12.5	14.4	13.3	14.0	12.6	16.9	14.5
JTN-5203	15.6	12.1	14.7	15.1	18.2	14.7	14.1	13.0	12.6	12.8	12.6	13.9	14.9	13.3	11.0	16.8	14.1
JTN-5207	16.9	14.7	16.9	18.8	20.3	18.5	17.2	16.4	16.3	15.3	14.7	15.7	16.2	14.6	15.9	17.3	16.8
K05-4987 RR	17.2	12.6	14.7	13.3	16.2	13.4	13.1	11.6	11.5	11.7	10.6	12.1	11.0	12.1	11.4	17.9	12.9
N02-7002	17.2	13.7	15.7	17.8	20.9	16.4	17.0	14.2	14.3	14.6	14.6	15.5	13.8	15.1	13.3	15.5	15.8
N02-7779	16.6	14.0	16.6	14.9	21.7	15.6	16.1	14.2	15.1	15.0	12.1	14.0	14.1	15.5	12.8	17.3	15.4
NCC02-22219	18.6	16.8	15.9	19.5	24.9	18.0	19.6	17.1	15.8	17.1	14.1	19.7	15.0	14.7	15.4	17.4	17.4
NCC04-1555	13.5	12.6	12.2	12.7	16.7	13.2	12.5	11.6	11.5	12.7	.	12.5	10.4	11.7	11.1	16.2	12.5
NCC04-8020	15.4	13.3	14.6	14.9	19.7	13.8	14.3	13.4	11.8	13.3	11.5	13.2	11.1	12.1	12.1	18.6	13.7
NCC04-8610	17.2	12.4	15.5	15.4	20.0	13.8	14.9	13.5	14.0	13.1	11.5	15.0	13.2	13.6	12.1	16.9	14.4
R01-976	17.2	16.0	16.5	18.8	22.2	18.6	17.6	15.8	14.9	15.0	13.0	16.9	15.6	15.0	14.5	16.1	16.5
R03-224	16.6	14.8	16.5	17.4	21.9	17.0	16.5	15.7	13.9	15.1	12.8	17.1	14.4	16.3	14.1	16.2	16.0
R03-946	16.6	15.2	16.1	18.3	21.2	15.5	16.7	15.3	12.3	16.4	12.9	16.5	14.1	12.6	13.4	17.6	15.5
R04-170RR	16.2	14.8	14.5	15.4	19.9	14.7	15.8	14.2	13.0	14.9	11.3	15.1	12.0	12.5	13.0	15.7	14.4
R04-357	15.3	14.4	15.3	15.5	20.1	13.4	14.3	13.0	12.8	11.9	10.6	14.4	13.0	13.5	11.5	16.9	13.9
S04-21273RR	17.1	16.3	17.1	17.3	21.1	17.3	17.1	14.8	16.2	15.2	12.8	15.9	14.0	16.1	14.0	18.2	16.2
S04-23936RR	17.1	16.4	18.1	21.1	25.4	16.9	20.3	18.2	17.4	17.7	14.7	19.9	14.6	17.3	15.9	18.4	18.1
S04-8882	14.9	11.9	14.6	16.3	18.6	13.6	15.8	14.0	13.0	12.2	11.2	13.6	13.5	13.4	11.3	15.6	14.0
S05-4678RR	18.0	14.0	17.6	20.5	22.6	18.0	18.2	16.3	17.3	16.8	15.5	18.1	14.9	11.9	14.9	17.8	17.1
V03-0293	15.4	13.7	15.1	16.8	17.4	14.1	13.1	12.7	13.4	12.9	11.0	13.5	11.5	14.6	10.4	17.5	13.7
V03-3650	16.6	14.5	16.5	15.7	19.7	14.2	14.8	13.4	13.3	13.4	10.9	16.0	12.1	13.1	11.5	15.8	14.3
V03-4298	16.3	14.1	15.1	15.8	20.2	14.9	15.4	14.2	14.8	14.2	11.6	14.1	12.6	13.1	12.7	17.3	14.7
V03-4661	18.7	13.8	14.9	17.7	20.7	17.4	15.9	14.7	14.4	13.5	12.3	15.9	13.5	16.1	12.4	14.5	15.6
V03-5306	17.5	12.7	14.4	15.7	21.9	15.8	16.3	14.6	13.6	15.0	11.5	15.8	13.7	12.0	12.5	17.5	15.0

❖Data not included in mean.

**TABLE 31 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN 5601T,  
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V**

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC(A)	QUEENSTOWN❖ MD	SUFFOLK VA	WARSAW❖ VA	
5601T	10/12	10/19	10/30	10/14	10/21
5002T	-5	1	-7	-7	-6
DPL 5414	-5	2	0	-1	-2
OSAGE	2	2	0	-1	1
JTN-5503	0	1	0	0	0
DS95-217-1-880	0	-3	-3	-2	-2
DB01-5289	-3	-1	-3	-4	-3
DB03-10440	-5	0	0	-3	-2
DB03-1381	2	2	0	4	1
DB03-8416	-5	2	-3	2	-4
G03-1668 RR	2	3	0	2	1
JTN-5107	0	2	0	-1	0
JTN-5203	0	0	0	1	0
JTN-5207	0	2	0	-1	0
K05-4987 RR	-5	0	0	-2	-2
N02-7002	-5	0	-3	-2	-4
N02-7779	-5	-2	0	-9	-2
NCC02-22219	-3	1	0	2	-1
NCC04-1555	2	3	0	5	1
NCC04-8020	2	-1	0	-1	1
NCC04-8610	2	2	0	5	1
R01-976	2	3	1	7	2
R03-224	-3	1	0	1	-1
R03-946	2	3	0	5	1
R04-170RR	3	2	3	2	3
R04-357	-5	3	0	2	-2
S04-21273RR	2	4	0	3	1
S04-23936RR	-5	0	-7	-5	-6
S04-8882	-3	1	0	-4	-1
S05-4678RR	0	0	-10	-7	-5
V03-0293	2	3	0	2	1
V03-3650	-3	2	0	0	-1
V03-4298	0	0	1	-4	1
V03-4661	-5	2	-3	-3	-4
V03-5306	2	1	0	-2	1

❖Data not included in mean.

TABLE 31 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	.	09/29	10/11	10/20	.	10/05	.	10/10	10/10
5002T	.	2	-1	0	.	0	.	-2	0
DPL 5414	.	1	-1	0	.	7	.	2	0
OSAGE	.	1	-2	0	.	-3	.	5	1
JTN-5503	.	0	0	0	.	-3	.	1	0
DS95-217-1-880	.	-1	0	0	.	0	.	-1	0
DB01-5289	.	-1	0	0	.	-3	.	1	0
DB03-10440	.	2	-3	0	.	-4	.	0	0
DB03-1381	.	0	1	0	.	-4	.	4	1
DB03-8416	.	1	1	0	.	-5	.	2	1
G03-1668 RR	.	1	4	0	.	-2	.	7	3
JTN-5107	.	2	4	0	.	1	.	2	2
JTN-5203	.	0	0	0	.	0	.	0	0
JTN-5207	.	1	-1	0	.	-3	.	4	1
K05-4987 RR	.	0	-2	0	.	-4	.	3	0
N02-7002	.	1	-3	0	.	-3	.	1	0
N02-7779	.	1	-4	0	.	-2	.	-1	-1
NCC02-22219	.	1	1	0	.	-4	.	2	1
NCC04-1555	.	2	1	0	.	-4	.	9	3
NCC04-8020	.	-1	2	0	.	-4	.	4	1
NCC04-8610	.	0	4	0	.	-3	.	4	2
R01-976	.	1	3	0	.	-3	.	9	3
R03-224	.	0	1	0	.	-4	.	4	1
R03-946	.	2	3	0	.	-3	.	4	2
R04-170RR	.	1	2	0	.	-3	.	9	3
R04-357	.	0	0	0	.	-3	.	5	1
S04-21273RR	.	1	1	0	.	-2	.	8	3
S04-23936RR	.	1	-5	0	.	0	.	-1	-1
S04-8882	.	1	-3	0	.	-3	.	1	0
S05-4678RR	.	2	1	0	.	0	.	2	1
V03-0293	.	2	0	0	.	-5	.	3	1
V03-3650	.	1	-1	0	.	-4	.	2	1
V03-4298	.	1	-3	0	.	-3	.	0	0
V03-4661	.	0	-3	0	.	-3	.	0	-1
V03-5306	.	-1	1	0	.	-3	.	6	1

❖Data not included in mean.

TABLE 31 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	MEAN
5601T	10/03	10/01	10/12	10/03	09/22	10/02
5002T	-2	1	-3	-4	-7	-3
DPL 5414	-1	1	1	-4	-1	0
OSAGE	-1	1	2	-5	-4	-1
JTN-5503	2	1	1	0	-4	0
DS95-217-1-880	2	0	-2	-1	1	0
DB01-5289	-3	0	0	0	-2	-1
DB03-10440	0	0	-2	-1	-4	-1
DB03-1381	2	-1	3	3	2	2
DB03-8416	-4	0	0	2	-1	0
G03-1668 RR	3	0	5	0	-2	1
JTN-5107	0	1	2	-1	-1	0
JTN-5203	-3	0	-2	-1	0	-1
JTN-5207	1	1	0	0	1	1
K05-4987 RR	-1	0	1	-6	-1	-1
N02-7002	-1	0	2	-6	-1	-1
N02-7779	-3	0	-2	-1	-8	-3
NCC02-22219	-3	0	-1	-6	-6	-3
NCC04-1555	5	2	6	0	2	3
NCC04-8020	3	0	3	0	-1	1
NCC04-8610	0	0	3	0	0	1
R01-976	6	2	4	2	2	3
R03-224	0	1	4	0	-1	1
R03-946	3	1	3	-1	0	2
R04-170RR	3	3	6	3	0	3
R04-357	1	2	1	-2	2	1
S04-21273RR	2	3	4	0	0	2
S04-23936RR	-2	0	-2	-4	-8	-3
S04-8882	-3	0	-2	-6	-6	-3
S05-4678RR	3	4	0	-1	-4	0
V03-0293	1	1	6	0	-5	1
V03-3650	-3	1	0	-3	-5	-2
V03-4298	-4	2	1	-2	-3	-1
V03-4661	-3	1	-2	-5	-3	-2
V03-5306	0	0	4	1	3	2

TABLE 31 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5601T	.	09/30	.	.	.
5002T	.	-2	.	.	.
DPL 5414	.	-2	.	.	.
OSAGE	.	-7	.	.	.
JTN-5503	.	-2	.	.	.
DS95-217-1-880	.	-7	.	.	.
DB01-5289	.	0	.	.	.
DB03-10440	.	-2	.	.	.
DB03-1381	.	0	.	.	.
DB03-8416	.	-2	.	.	.
G03-1668 RR	.	2	.	.	.
JTN-5107	.	-2	.	.	.
JTN-5203	.	-7	.	.	.
JTN-5207	.	-2	.	.	.
K05-4987 RR	.	0	.	.	.
N02-7002	.	3	.	.	.
N02-7779	.	-2	.	.	.
NCC02-22219	.	0	.	.	.
NCC04-1555	.	7	.	.	.
NCC04-8020	.	5	.	.	.
NCC04-8610	.	0	.	.	.
R01-976	.	5	.	.	.
R03-224	.	2	.	.	.
R03-946	.	2	.	.	.
R04-170RR	.	2	.	.	.
R04-357	.	2	.	.	.
S04-21273RR	.	5	.	.	.
S04-23936RR	.	0	.	.	.
S04-8882	.	-5	.	.	.
S05-4678RR	.	2	.	.	.
V03-0293	.	0	.	.	.
V03-3650	.	-2	.	.	.
V03-4298	.	-5	.	.	.
V03-4661	.	-7	.	.	.
V03-5306	.	-5	.	.	.

❖Data not included in mean.

TABLE 32 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2008

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(A)	QUEENSTOWN❖ MD	WARSAW❖ VA	
5601T	33	28	41	33
5002T	25	27	37	25
DPL 5414	39	37	43	39
OSAGE	29	20	31	29
JTN-5503	30	27	34	30
DS95-217-1-880	29	23	34	29
DB01-5289	31	26	37	31
DB03-10440	33	29	38	33
DB03-1381	33	22	34	33
DB03-8416	31	22	35	31
G03-1668 RR	35	26	40	35
JTN-5107	31	22	38	31
JTN-5203	29	25	37	29
JTN-5207	37	35	45	37
K05-4987 RR	33	25	43	33
N02-7002	32	27	39	32
N02-7779	29	22	36	29
NCC02-22219	35	25	38	35
NCC04-1555	31	27	35	31
NCC04-8020	36	23	38	36
NCC04-8610	32	27	38	32
R01-976	34	27	39	34
R03-224	34	28	36	34
R03-946	35	27	39	35
R04-170RR	37	25	34	37
R04-357	35	31	40	35
S04-21273RR	35	29	40	35
S04-23936RR	39	27	35	39
S04-8882	32	27	41	32
S05-4678RR	39	25	44	39
V03-0293	28	24	31	28
V03-3650	32	27	35	32
V03-4298	29	21	32	29
V03-4661	27	26	35	27
V03-5306	35	30	41	35

❖Data not included in mean.

TABLE 32 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	18	31	31	32	42	28	24	38	31
5002T	21	32	30	29	35	24	22	31	29
DPL 5414	30	29	34	34	46	28	28	40	34
OSAGE	23	31	27	28	37	27	23	32	29
JTN-5503	21	32	28	31	38	26	20	36	29
DS95-217-1-880	19	34	26	26	38	23	15	31	27
DB01-5289	21	34	29	34	39	25	19	35	30
DB03-10440	25	30	29	32	39	25	25	36	31
DB03-1381	15	31	27	32	37	25	24	32	28
DB03-8416	21	30	31	32	40	22	23	36	30
G03-1668 RR	23	30	33	33	39	24	27	39	32
JTN-5107	29	34	31	31	42	25	27	38	33
JTN-5203	22	33	30	29	37	22	20	33	29
JTN-5207	31	31	34	36	38	29	26	45	34
K05-4987 RR	18	29	34	32	40	25	26	33	30
N02-7002	26	33	32	31	40	26	24	31	31
N02-7779	23	32	29	30	35	21	17	30	28
NCC02-22219	23	37	34	33	38	24	25	35	32
NCC04-1555	22	32	32	32	37	22	20	32	29
NCC04-8020	21	30	34	34	42	23	24	38	32
NCC04-8610	27	29	32	33	40	22	26	39	32
R01-976	24	35	31	31	41	23	27	40	33
R03-224	20	29	33	30	39	22	27	36	31
R03-946	26	35	33	34	39	23	25	38	33
R04-170RR	28	31	31	29	41	23	26	33	31
R04-357	27	32	34	34	41	28	28	38	33
S04-21273RR	32	33	33	32	42	28	26	36	34
S04-23936RR	35	32	34	24	42	19	27	35	33
S04-8882	26	31	36	31	40	27	25	40	33
S05-4678RR	38	33	33	26	51	24	28	46	36
V03-0293	23	30	31	28	34	20	23	28	28
V03-3650	22	30	32	32	39	23	24	33	30
V03-4298	22	33	27	29	38	24	23	32	29
V03-4661	17	33	29	30	36	20	21	30	28
V03-5306	26	33	31	35	41	25	27	38	33

❖Data not included in mean.

TABLE 32 ~ Continued

STRAIN/ VARIETY	DELTA						MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS		
5601T	27	31	27	31	26	28	
5002T	25	30	23	30	24	26	
DPL 5414	39	36	34	38	32	36	
OSAGE	27	27	21	26	26	25	
JTN-5503	29	31	25	26	20	26	
DS95-217-1-880	24	24	22	26	26	24	
DB01-5289	29	27	23	21	30	26	
DB03-10440	31	32	28	28	30	30	
DB03-1381	25	29	25	19	24	24	
DB03-8416	30	34	22	21	26	27	
G03-1668 RR	33	32	29	31	28	31	
JTN-5107	28	30	26	26	26	27	
JTN-5203	24	25	22	23	26	24	
JTN-5207	34	34	34	33	32	33	
K05-4987 RR	32	33	27	30	22	29	
N02-7002	28	29	29	32	26	29	
N02-7779	23	25	24	26	26	25	
NCC02-22219	27	32	30	30	30	30	
NCC04-1555	26	28	27	32	28	28	
NCC04-8020	28	34	31	27	32	31	
NCC04-8610	26	18	26	21	26	23	
R01-976	28	32	29	27	28	29	
R03-224	26	30	29	28	28	28	
R03-946	31	31	28	32	28	30	
R04-170RR	33	33	30	34	31	32	
R04-357	29	30	29	34	28	30	
S04-21273RR	35	32	32	38	32	34	
S04-23936RR	38	37	33	39	34	36	
S04-8882	36	33	25	31	32	31	
S05-4678RR	41	40	34	39	40	39	
V03-0293	24	24	26	31	28	27	
V03-3650	27	26	26	33	30	28	
V03-4298	26	25	24	30	28	27	
V03-4661	23	25	25	22	26	24	
V03-5306	26	31	32	25	27	28	



TABLE 32 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5601T	21	17	28	31	27
5002T	19	14	25	27	24
DPL 5414	25	17	34	37	32
OSAGE	20	16	25	27	24
JTN-5503	20	12	27	29	25
DS95-217-1-880	16	15	24	26	22
DB01-5289	18	16	28	27	24
DB03-10440	21	18	29	31	27
DB03-1381	18	13	26	28	24
DB03-8416	16	13	26	28	23
G03-1668 RR	23	20	33	31	29
JTN-5107	20	17	28	27	25
JTN-5203	18	12	22	27	22
JTN-5207	24	18	39	31	31
K05-4987 RR	17	16	29	32	26
N02-7002	20	18	25	30	25
N02-7779	14	14	21	26	20
NCC02-22219	20	16	34	31	28
NCC04-1555	17	18	25	29	24
NCC04-8020	21	18	28	30	26
NCC04-8610	18	13	23	29	23
R01-976	16	17	32	31	26
R03-224	20	15	27	31	26
R03-946	22	16	29	28	26
R04-170RR	20	16	31	28	26
R04-357	15	15	33	33	27
S04-21273RR	21	19	34	29	28
S04-23936RR	29	31	33	28	30
S04-8882	20	18	31	32	27
S05-4678RR	30	32	37	33	34
V03-0293	19	16	27	28	24
V03-3650	20	16	29	30	26
V03-4298	20	15	23	28	24
V03-4661	13	15	25	28	22
V03-5306	18	16	26	30	25

❖Data not included in mean.

**TABLE 33 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V,  
2008**

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(A)	QUEENSTOWN❖ MD	WARSAW❖ VA	
5601T	2.0	1.0	2.0	2.0
5002T	2.3	1.0	2.0	2.3
DPL 5414	3.0	2.2	2.5	3.0
OSAGE	2.7	1.0	1.3	2.7
JTN-5503	3.0	1.0	3.2	3.0
DS95-217-1-880	2.0	1.2	2.3	2.0
DB01-5289	3.3	1.0	2.7	3.3
DB03-10440	3.0	1.2	2.7	3.0
DB03-1381	3.0	1.2	3.5	3.0
DB03-8416	3.3	1.0	2.2	3.3
G03-1668 RR	3.0	1.2	3.0	3.0
JTN-5107	3.0	1.2	2.5	3.0
JTN-5203	2.0	1.0	2.0	2.0
JTN-5207	3.0	1.0	3.3	3.0
K05-4987 RR	3.0	1.0	3.2	3.0
N02-7002	2.3	1.2	2.2	2.3
N02-7779	2.7	1.2	1.7	2.7
NCC02-22219	2.7	1.0	2.1	2.7
NCC04-1555	2.7	1.0	1.8	2.7
NCC04-8020	2.3	1.3	2.0	2.3
NCC04-8610	2.0	1.2	2.0	2.0
R01-976	2.3	1.0	1.8	2.3
R03-224	2.0	1.0	1.7	2.0
R03-946	3.0	1.2	2.2	3.0
R04-170RR	2.7	1.2	1.5	2.7
R04-357	2.7	1.0	2.7	2.7
S04-21273RR	3.0	1.2	2.7	3.0
S04-23936RR	2.7	1.2	1.5	2.7
S04-8882	3.0	1.0	2.5	3.0
S05-4678RR	3.0	1.0	1.8	3.0
V03-0293	2.7	1.0	1.8	2.7
V03-3650	2.3	1.0	1.5	2.3
V03-4298	2.3	1.0	1.0	2.3
V03-4661	1.7	1.2	2.3	1.7
V03-5306	2.0	1.2	1.8	2.0

❖Data not included in mean.

TABLE 33 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	1.0	1.3	2.0	1.3	3.2	1.0	1.0	1.7	1.6
5002T	2.0	1.7	2.0	1.3	3.5	1.0	1.0	1.3	1.8
DPL 5414	2.0	1.3	2.2	2.0	4.2	1.0	1.0	2.3	2.1
OSAGE	1.5	1.3	1.7	1.0	3.0	1.0	1.0	1.0	1.5
JTN-5503	1.5	1.7	2.5	2.0	4.3	1.0	1.0	3.0	2.3
DS95-217-1-880	1.0	1.3	1.3	1.0	3.5	1.0	1.0	1.3	1.5
DB01-5289	1.3	1.7	2.2	2.3	4.0	1.0	1.0	2.0	2.1
DB03-10440	3.0	1.0	2.7	1.3	4.7	1.0	1.0	2.7	2.3
DB03-1381	1.0	1.0	2.0	2.3	4.0	1.0	1.0	2.0	1.9
DB03-8416	1.5	1.7	1.7	1.7	3.3	1.0	1.0	2.3	1.9
G03-1668 RR	3.0	1.3	2.0	2.0	3.2	1.0	1.0	2.0	2.1
JTN-5107	2.0	1.3	1.8	1.0	3.5	1.0	1.0	2.0	1.8
JTN-5203	1.0	1.7	1.8	1.0	3.2	1.0	1.0	1.7	1.6
JTN-5207	2.0	1.0	3.0	2.0	3.7	1.0	1.0	2.7	2.2
K05-4987 RR	1.5	1.0	1.8	2.0	4.3	1.0	1.0	2.7	2.0
N02-7002	2.0	1.0	1.5	1.0	3.7	1.0	1.0	1.7	1.7
N02-7779	1.0	1.3	2.2	1.0	4.3	1.0	1.0	1.7	1.8
NCC02-22219	1.5	1.7	2.7	1.7	4.2	1.0	1.0	2.0	2.1
NCC04-1555	1.5	1.7	1.8	1.3	2.3	1.0	1.0	2.3	1.7
NCC04-8020	1.0	1.7	2.2	1.3	2.7	1.0	1.0	2.0	1.7
NCC04-8610	1.5	1.3	1.3	1.0	3.5	1.0	1.0	1.7	1.6
R01-976	2.0	2.0	2.0	1.3	3.3	1.0	1.0	1.7	1.9
R03-224	2.0	1.3	2.0	1.0	3.2	1.0	1.0	2.0	1.8
R03-946	2.2	2.0	1.8	1.0	3.3	1.0	1.0	2.3	2.0
R04-170RR	1.1	1.7	1.7	1.0	2.7	1.0	1.0	1.3	1.5
R04-357	1.1	1.0	2.3	2.0	3.8	1.0	1.0	3.0	2.0
S04-21273RR	0.7	1.3	2.7	1.7	3.8	1.0	1.0	1.7	1.8
S04-23936RR	3.0	1.3	1.8	1.0	2.7	1.0	1.0	1.0	1.7
S04-8882	1.1	1.7	2.5	1.3	3.8	1.0	1.0	1.7	1.9
S05-4678RR	0.3	1.3	1.8	1.0	3.0	1.0	1.0	2.3	1.5
V03-0293	1.1	1.7	1.7	1.0	2.7	1.0	1.0	1.7	1.5
V03-3650	0.6	1.7	1.8	1.3	2.3	1.0	1.0	2.3	1.6
V03-4298	0.6	1.7	1.3	1.0	2.8	1.0	1.0	1.7	1.4
V03-4661	0.6	2.0	1.3	1.0	2.8	1.0	1.0	1.3	1.4
V03-5306	0.6	2.0	2.2	1.0	2.3	1.0	1.0	1.7	1.5

❖Data not included in mean.

TABLE 33 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5601T	1.2	1.3	2.3	2.0	1.7
5002T	1.7	1.3	3.3	2.0	2.1
DPL 5414	2.3	2.3	3.0	3.0	2.7
OSAGE	1.5	1.3	2.3	2.0	1.8
JTN-5503	1.7	1.7	2.0	2.0	1.8
DS95-217-1-880	1.3	1.3	2.0	2.0	1.7
DB01-5289	2.3	1.7	2.0	2.0	2.0
DB03-10440	2.5	2.0	2.7	3.0	2.5
DB03-1381	2.2	2.3	2.0	2.0	2.1
DB03-8416	2.5	3.0	3.3	2.0	2.7
G03-1668 RR	2.2	1.7	2.0	2.0	2.0
JTN-5107	1.7	1.3	2.3	2.0	1.8
JTN-5203	1.2	1.3	2.0	2.0	1.6
JTN-5207	1.8	2.0	2.7	2.0	2.1
K05-4987 RR	2.5	2.0	2.7	2.0	2.3
N02-7002	1.3	1.3	2.0	2.0	1.7
N02-7779	1.2	1.0	2.7	2.0	1.7
NCC02-22219	1.5	1.7	2.7	2.0	2.0
NCC04-1555	1.7	1.7	2.0	2.0	1.8
NCC04-8020	1.5	1.7	2.3	2.0	1.9
NCC04-8610	1.2	1.0	3.0	2.0	1.8
R01-976	1.5	2.0	2.0	2.0	1.9
R03-224	1.3	1.3	3.0	2.0	1.9
R03-946	2.8	2.7	3.3	2.0	2.7
R04-170RR	1.8	1.7	2.0	2.0	1.9
R04-357	2.2	2.0	4.0	3.0	2.8
S04-21273RR	2.8	2.3	3.3	2.0	2.6
S04-23936RR	2.3	2.3	3.0	3.0	2.7
S04-8882	2.5	2.3	1.7	2.0	2.1
S05-4678RR	3.0	3.0	2.7	2.0	2.7
V03-0293	1.5	1.3	2.0	2.0	1.7
V03-3650	1.8	1.7	3.0	2.0	2.1
V03-4298	1.5	1.0	3.0	2.0	1.9
V03-4661	0.7	1.0	2.3	2.0	1.5
V03-5306	1.5	1.0	2.0	2.0	1.6

TABLE 33 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY❖ LA	MCCUNE KS	PITTSBURG KS	
5601T	.	1.0	2.3	2.0	2.2
5002T	.	1.0	3.0	2.3	2.7
DPL 5414	1.0	1.0	2.7	2.3	2.0
OSAGE	.	1.0	2.7	1.3	2.0
JTN-5503	.	1.0	3.3	3.0	3.2
DS95-217-1-880	.	1.0	2.0	1.3	1.7
DB01-5289	.	1.0	2.7	2.7	2.7
DB03-10440	.	1.0	3.0	2.7	2.8
DB03-1381	.	1.0	3.0	2.7	2.8
DB03-8416	.	1.0	2.3	1.3	1.8
G03-1668 RR	.	1.0	3.0	2.7	2.8
JTN-5107	.	1.0	2.7	2.0	2.3
JTN-5203	.	1.0	1.7	1.3	1.5
JTN-5207	.	1.0	3.0	2.7	2.8
K05-4987 RR	.	1.0	2.7	2.3	2.5
N02-7002	.	1.0	2.7	3.0	2.8
N02-7779	.	1.0	2.7	2.0	2.3
NCC02-22219	.	1.0	3.0	2.0	2.5
NCC04-1555	.	1.0	2.3	1.7	2.0
NCC04-8020	.	1.0	2.0	1.3	1.7
NCC04-8610	.	1.0	2.7	1.7	2.2
R01-976	.	1.0	3.0	2.0	2.5
R03-224	.	1.0	2.3	1.3	1.8
R03-946	.	1.0	3.0	1.7	2.3
R04-170RR	.	1.0	3.0	1.0	2.0
R04-357	.	1.0	2.7	2.3	2.5
S04-21273RR	.	1.0	3.0	3.0	3.0
S04-23936RR	.	1.0	1.7	1.0	1.3
S04-8882	.	1.0	2.7	2.7	2.7
S05-4678RR	.	1.0	2.3	1.0	1.7
V03-0293	.	1.0	2.3	1.3	1.8
V03-3650	.	1.0	2.3	2.0	2.2
V03-4298	.	1.0	1.7	1.0	1.3
V03-4661	.	1.0	2.3	1.7	2.0
V03-5306	.	1.0	2.3	1.7	2.0

❖Data not included in mean.

TABLE 34 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN UNIFORM GROUP V, 2008

STRAIN/ VARIETY	EAST			MEAN
	QUEENSTOWN❖ MD	SUFFOLK VA	WARSAW❖ VA	
5601T	1.3	2.0	1.7	2.0
5002T	1.5	3.0	1.7	3.0
DPL 5414	1.8	2.0	2.7	2.0
OSAGE	1.8	2.0	2.2	2.0
JTN-5503	1.8	2.3	2.0	2.3
DS95-217-1-880	1.8	3.0	1.7	3.0
DB01-5289	1.8	2.3	2.2	2.3
DB03-10440	1.3	3.0	2.0	3.0
DB03-1381	2.0	2.0	2.0	2.0
DB03-8416	2.8	2.7	2.0	2.7
G03-1668 RR	1.8	1.0	2.3	1.0
JTN-5107	1.7	2.7	2.0	2.7
JTN-5203	1.7	2.7	2.0	2.7
JTN-5207	1.5	3.7	1.7	3.7
K05-4987 RR	1.5	2.0	2.2	2.0
N02-7002	1.7	3.0	1.7	3.0
N02-7779	1.5	3.3	1.8	3.3
NCC02-22219	1.5	1.7	1.7	1.7
NCC04-1555	1.5	1.3	1.3	1.3
NCC04-8020	1.3	2.0	3.0	2.0
NCC04-8610	1.3	1.7	1.7	1.7
R01-976	1.3	2.0	2.2	2.0
R03-224	1.2	2.0	1.7	2.0
R03-946	1.5	2.0	2.5	2.0
R04-170RR	1.3	1.0	1.8	1.0
R04-357	1.7	2.7	1.7	2.7
S04-21273RR	1.7	2.0	2.2	2.0
S04-23936RR	1.5	3.0	2.0	3.0
S04-8882	2.0	3.0	1.8	3.0
S05-4678RR	1.2	2.7	1.7	2.7
V03-0293	1.7	2.0	1.7	2.0
V03-3650	1.5	2.0	2.5	2.0
V03-4298	1.5	3.3	2.2	3.3
V03-4661	1.5	2.0	2.2	2.0
V03-5306	1.7	2.7	2.0	2.7

❖Data not included in mean.

TABLE 34 ~ Continued

STRAIN/ VARIETY	SOUTH				MEAN
	KNOXVILLE TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5601T	1.8	1.0	1.0	1.0	1.2
5002T	2.2	1.3	3.0	1.0	1.9
DPL 5414	1.3	1.2	2.0	1.0	1.4
OSAGE	1.5	1.0	2.0	1.0	1.4
JTN-5503	1.5	1.3	3.0	1.0	1.7
DS95-217-1-880	1.5	1.0	4.0	1.3	2.0
DB01-5289	1.3	1.3	2.0	1.0	1.4
DB03-10440	1.3	1.3	3.0	1.0	1.7
DB03-1381	1.7	1.3	2.0	1.0	1.5
DB03-8416	1.2	2.0	3.0	1.0	1.8
G03-1668 RR	1.5	1.5	2.0	1.0	1.5
JTN-5107	1.3	1.5	3.0	1.3	1.8
JTN-5203	1.2	1.3	3.0	1.0	1.6
JTN-5207	1.3	1.5	4.0	1.0	2.0
K05-4987 RR	1.2	1.5	3.0	1.0	1.7
N02-7002	1.2	1.3	3.0	1.3	1.7
N02-7779	1.8	1.5	3.0	1.0	1.8
NCC02-22219	1.5	1.5	3.0	1.3	1.8
NCC04-1555	1.3	1.2	1.0	1.0	1.1
NCC04-8020	1.3	1.2	3.0	1.0	1.6
NCC04-8610	1.2	1.0	2.0	1.0	1.3
R01-976	1.3	1.0	2.0	2.0	1.6
R03-224	1.0	1.5	3.0	1.3	1.7
R03-946	1.0	1.2	2.0	1.0	1.3
R04-170RR	1.2	1.7	2.0	1.0	1.5
R04-357	1.3	1.2	2.0	1.0	1.4
S04-21273RR	1.7	1.3	3.0	1.3	1.8
S04-23936RR	2.0	1.8	3.0	1.0	2.0
S04-8882	1.7	1.3	2.0	1.0	1.5
S05-4678RR	1.7	1.3	2.0	1.0	1.5
V03-0293	1.3	1.5	2.0	1.0	1.5
V03-3650	1.3	1.5	3.0	1.0	1.7
V03-4298	1.3	1.3	2.0	1.0	1.4
V03-4661	2.0	1.3	2.0	1.0	1.6
V03-5306	2.0	1.5	2.0	1.0	1.6

TABLE 34 ~ Continued

STRAIN/ VARIETY	DELTA						MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS		
5601T	1.2	1.0	4.0	2.3	2.0	2.1	
5002T	1.0	1.0	4.0	2.8	2.0	2.2	
DPL 5414	1.3	2.0	3.0	2.5	2.0	2.2	
OSAGE	0.7	1.0	3.0	2.8	2.0	1.9	
JTN-5503	1.0	2.0	3.0	2.7	2.0	2.1	
DS95-217-1-880	1.0	1.0	2.0	2.8	2.0	1.8	
DB01-5289	1.0	2.0	3.0	2.7	2.0	2.1	
DB03-10440	0.8	2.0	3.0	2.7	2.0	2.1	
DB03-1381	1.3	2.0	3.0	2.3	2.0	2.1	
DB03-8416	1.3	3.0	3.0	2.3	2.0	2.3	
G03-1668 RR	1.3	2.0	2.0	2.5	2.0	2.0	
JTN-5107	1.0	1.0	3.0	3.2	2.0	2.0	
JTN-5203	0.5	1.0	3.0	2.8	2.0	1.9	
JTN-5207	1.0	2.0	4.0	2.7	2.0	2.3	
K05-4987 RR	1.0	2.0	3.0	2.7	2.0	2.1	
N02-7002	1.5	1.0	3.0	2.7	2.0	2.0	
N02-7779	1.2	1.0	4.0	3.2	2.0	2.3	
NCC02-22219	1.2	2.0	3.0	2.7	2.0	2.2	
NCC04-1555	1.8	2.0	4.0	2.5	2.0	2.5	
NCC04-8020	1.3	1.0	3.0	2.7	2.0	2.0	
NCC04-8610	0.5	1.0	3.0	2.7	2.0	1.8	
R01-976	1.0	2.0	4.0	2.5	2.0	2.3	
R03-224	1.0	1.0	3.0	2.7	2.0	1.9	
R03-946	1.0	2.0	2.0	2.8	2.0	2.0	
R04-170RR	1.8	2.0	4.0	2.2	2.0	2.4	
R04-357	1.2	2.0	2.0	2.7	2.0	2.0	
S04-21273RR	1.3	2.0	3.0	2.8	2.0	2.2	
S04-23936RR	1.3	2.0	4.0	2.5	2.0	2.4	
S04-8882	0.8	2.0	3.0	3.0	2.0	2.2	
S05-4678RR	1.5	3.0	3.0	2.7	2.0	2.4	
V03-0293	1.0	1.0	3.0	2.5	2.0	1.9	
V03-3650	1.7	1.0	3.0	2.7	2.0	2.1	
V03-4298	0.8	1.0	4.0	2.8	2.0	2.1	
V03-4661	1.3	1.0	4.0	2.5	2.0	2.2	
V03-5306	1.0	1.0	3.0	2.5	2.0	1.9	



TABLE 34 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	MCCUNE KS	PITTSBURG KS	
5601T	2.0	1.0	1.5
5002T	2.0	2.0	2.0
DPL 5414	2.0	2.0	2.0
OSAGE	2.0	2.0	2.0
JTN-5503	2.0	1.0	1.5
DS95-217-1-880	2.0	2.0	2.0
DB01-5289	2.0	1.0	1.5
DB03-10440	2.0	3.0	2.5
DB03-1381	2.0	1.0	1.5
DB03-8416	2.0	1.0	1.5
G03-1668 RR	2.0	1.0	1.5
JTN-5107	3.0	2.0	2.5
JTN-5203	3.0	2.0	2.5
JTN-5207	2.0	2.0	2.0
K05-4987 RR	2.0	1.0	1.5
N02-7002	2.0	1.0	1.5
N02-7779	2.0	2.0	2.0
NCC02-22219	3.0	2.0	2.5
NCC04-1555	2.0	2.0	2.0
NCC04-8020	2.0	1.0	1.5
NCC04-8610	2.0	2.0	2.0
R01-976	2.0	2.0	2.0
R03-224	2.0	1.0	1.5
R03-946	2.0	2.0	2.0
R04-170RR	2.0	2.0	2.0
R04-357	3.0	1.0	2.0
S04-21273RR	2.0	1.0	1.5
S04-23936RR	2.0	1.0	1.5
S04-8882	2.0	2.0	2.0
S05-4678RR	2.0	1.0	1.5
V03-0293	2.0	1.0	1.5
V03-3650	2.0	1.0	1.5
V03-4298	2.0	1.0	1.5
V03-4661	2.0	1.0	1.5
V03-5306	2.0	2.0	2.0

## PRELIMINARY GROUP V

2008

Preliminary Group V nurseries were planted at 12 locations. Data were obtained from 12 of the locations. The parentage for each strain is reported in Table 35. Table 36 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 37 - 43.

TABLE 35 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. DPL 5414	Commercial check	
4. OSAGE	Hartz5545 x KS4895	
5. JTN-5503	Fowler x Manokin	F9
6. DB04- 10836	DT99-16788,P,T,T X J00-2 (MANOKIN X FOWLER)	
7. DB04- 10997	DT99-17445,W,T,T X J00-2 (MANOKIN X FOWLER)	
8. DB04- 1702	BOLIVAR, P, T, T X S 96-2692	
9. DB04- 1805	BOLIVAR, P, T, T X V96-0340, P, G, BR	
10. DB04- 290	DT98-9102,W,G,T X DT98-7278,W,T,T, , ,	
11. JTN-5108	S95-1908 x BOLIVAR-2-LOAM02	F10
12. JTN-5208	S96-2641 x S97-1688-8-LOAM02	F10
13. JTN-5308	J98-32 x DT95-17556	F6
14. K06-3202 RR L	K1530/MD99-0687-3RR	F5
15. K06-3208 RR L	5002T/S02-677CR RR	F5
16. K06-3501 RR L	5601T/TN01-331-RR	F5
17. K06-3522 RR L	K1530/TN01-331-RR	F5
18. K06-3666 RR L	KS4602N/TN01-331-RR	F5
19. Md 0506WN 68	N97-3363-3-Tn12 X Md 00F2-Row11-2	F5
20. Md 05-5038	Md 96-5275 X Md 97-6491	F5
21. Md 05-5156	S96-2692 X Md 97-5905	F5
22. Md 05-5369	Md 94-5396 X V94-0198	F5
23. N02-417	SC91-2007 x Holladay	F5
24. NCC04-9589R	TN96-58 x N94-550 RR, BC3F1	F4:9
25. NCC05-1323	TN97-167xS99-2281	F4:8
26. NCC05-1336	TN97-167xS99-2281	F4:8
27. NCC05-4048R	TN99-184x[N97-61xN94-550RR BC3F1 (106-2)]F2 33b	F4:8
28. NCC05-7568R	N99-244x[N98-74xN94-550RR, BC3F1(106-3)]F2	F4:8
29. NCC05-7649R	N99-244x[N98-74xN94-550RR, BC3F1(106-3)]F2	F4:8
30. R01-3474F	Caviness x PI 594208	
31. R03-263	DT96-6840 x ANAND	
32. R04-572	MD 4900 x R95-209	
33. R04-665	R97-1634 x R97-1832	
34. R05-235	P9594 x Ozark	
35. S05-11268	S00-9925-10 X U98-311442	5
36. S05-11482	S99-2281 X S00-9985-03	5
37. S06-3050	S00-9912-56 X S02-3934	5
38. S06-6836	R98-209 X S02-3934	5
39. S06-6906	R98-209 X S02-3934	5
40. S06-9423	S02-2372 X S02-3934	5
41. TN03-217	N94-7440/MFS-553	
42. V04-3471	V92-0254 X [(H(5) X N565) X (H(3) X N94-	
43. V04-3760	HUTCHESON X N98-4445	
44. V04-3913	GH-444 X GH-530 22-22	



**TABLE 37 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008**

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	22.4	42.6	40.5	49.1	43.9	54.0	65.3	43.5	51.7	78.8	64.4	53.2	51.4
5002T	27.7	31.1	33.6-	65.3	43.3	52.1	63.5	40.8	58.8	89.9+	59.3	34.2	53.4
DPL 5414	32.2+	30.6	37.5	56.4	38.2	43.7-	54.3-	47.5	48.1	85.4	49.4-	49.9	49.3
OSAGE	30.4+	30.0	41.3	66.5+	42.1	48.3	54.4-	38.7	57.4	83.3	55.5-	36.4	51.8
JTN-5503	27.2	39.1	30.2-	67.3+	46.1	47.1	58.3	39.8	58.0	78.2	59.3	48.2	51.1
DB04-10836	18.9	39.0	38.0	54.9	42.6	55.5	52.2-	49.3	49.7	75.0	57.3-	36.6	49.3
DB04-10997	14.2-	34.8	37.9	46.2	42.5	45.8	54.8-	45.0	48.1	78.7	58.0	45.1	47.1
DB04-1702	21.8	28.3	33.2-	50.3	31.3-	50.1	52.8-	40.8	41.1-	82.4	58.1	35.6	46.2-
DB04-1805	19.8	25.8-	21.9-	33.4	31.4-	53.4	51.9-	43.8	43.4	71.3	48.3-	45.8	41.9-
DB04-290	25.7	30.4	33.4-	52.5	35.3-	50.4	56.5	38.0	54.2	83.9	58.7	48.0	48.8
JTN-5108	52.5+	36.5	30.1-	47.3	41.0	48.2	64.9	34.3	46.1	71.8	56.9-	40.4	49.3
JTN-5208	39.2+	36.4	22.8-	54.6	40.8	44.5-	57.2	37.2	41.6-	66.5-	47.1-	47.3	45.2-
JTN-5308	31.9+	24.7-	34.1-	58.9	33.8-	50.3	55.5-	41.6	53.3	74.0	56.6-	37.0	49.0
K06-3202 RR L	20.9	38.6	40.7	61.1	46.1	51.4	62.6	41.1	51.6	72.6	61.9	44.3	51.0
K06-3208 RR L	24.5	28.3	43.0	56.1	44.3	47.8	54.5-	41.2	57.9	87.0	69.5	48.3	52.6
K06-3501 RR L	27.2	23.1-	41.2	48.4	39.5	50.1	57.2	44.5	48.0	69.0	62.1	44.2	48.7
K06-3522 RR L	26.9	26.8-	36.8	48.8	39.2	50.7	53.6-	43.5	51.6	70.1	53.2-	43.1	47.4
K06-3666 RR L	28.9+	24.1-	35.3-	58.1	45.4	48.2	56.6	45.8	43.7	64.6-	61.6	47.0	48.8
Md 0506WN 68	31.6+	24.6-	29.8-	37.3	31.4-	36.6-	39.1-	35.2	37.4-	61.1-	42.1-	43.1	38.2-
Md 05-5038	36.6+	24.6-	33.0-	52.1	42.8	44.7-	64.3	45.4	61.6+	77.0	49.8-	58.7	50.7
Md 05-5156	26.6	31.5	35.3-	55.0	43.6	48.4	60.9	43.3	58.3	87.8	55.1-	48.4	51.4
Md 05-5369	16.8	38.3	34.3-	70.1+	36.4-	43.2-	60.5	45.5	51.8	82.9	56.7-	49.2	49.8
N02-417	44.6+	38.1	36.9	55.1	39.4	55.5	54.0-	45.1	51.2	84.8	54.7-	46.3	52.1
NCC04-9589R	27.2	30.5	40.0	52.1	36.9-	49.6	46.0-	47.9	49.1	62.9-	50.1-	51.8	46.2-
NCC05-1323	29.5+	38.7	43.3	61.8	47.1	51.0	63.9	58.1+	53.2	87.3	60.5	52.5	55.6
NCC05-1336	43.1+	35.3	41.1	58.0	42.0	56.6	63.1	48.3	56.5	77.7	63.2	39.2	55.0
NCC05-4048R	26.6	25.6-	31.8-	58.1	40.2	50.4	51.8-	34.0	49.4	63.0-	57.0-	44.5	46.2-
NCC05-7568R	43.4+	22.4-	42.0	64.2	45.4	58.0	51.8-	34.0	49.3	74.7	55.3-	39.1	51.8
NCC05-7649R	49.9+	21.2-	35.3-	52.9	44.3	60.0	60.8	40.6	44.8	72.9	56.5-	41.6	51.8
R01-3474F	33.1+	27.8-	34.4-	64.3	42.2	51.4	50.5-	49.2	51.1	78.1	57.5-	53.3	51.2
R03-263	17.7	16.3-	34.1-	62.7	42.4	50.3	54.5-	48.3	54.5	72.7	52.9-	47.3	49.0
R04-572	31.9+	31.3	33.9-	62.3	39.1	55.5	54.3-	50.5	55.6	83.1	57.8	45.6	52.4
R04-665	25.7	19.5-	32.3-	59.3	37.7-	55.4	59.6	38.5	56.4	81.6	53.3-	45.9	50.0
R05-235	19.5	21.6-	37.9	73.4+	41.1	47.7	54.2-	46.5	61.7+	85.7	56.3-	50.3	52.4
S05-11268	19.5	34.2	30.8-	69.8+	45.3	52.7	66.0	53.5	58.8	93.5+	60.0	56.6	55.0
S05-11482	25.4	43.6	32.3-	65.0	50.9+	54.3	69.0	56.8+	54.3	79.9	67.8	54.2	55.6
S06-3050	31.6+	32.4	45.1+	57.8	45.9	48.6	60.2	48.3	51.1	71.5	60.7	46.5	52.1
S06-6836	33.1+	17.3-	29.9-	66.7+	42.1	51.1	55.3-	50.4	60.0	82.3	55.9-	60.8	52.7
S06-6906	29.5+	19.7-	35.7-	64.4	40.4	51.3	59.9	46.3	57.7	76.6	58.6	41.4	52.0
S06-9423	43.7+	25.4-	32.1-	50.8	41.3	50.6	52.4-	50.2	56.5	81.7	51.8-	48.5	51.1
TN03-217	17.4	20.5-	33.5-	54.9	38.4	51.6	46.9-	47.5	42.9-	62.8-	52.2-	43.1	44.8-
V04-3471	43.1+	31.2	30.8-	60.4	37.3-	45.7	58.1	48.7	46.8	81.0	55.8-	42.7	50.8
V04-3760	27.7	32.5	33.7-	52.4	35.5-	39.6-	47.3-	47.2	43.7	62.2-	43.6-	54.3	43.3-
V04-3913	28.3+	17.2-	32.0-	52.5	39.8	48.9	49.4-	44.9	48.2	63.0-	55.7-	49.2	46.3-
LOCATION MEAN	29.4	29.4	35.1	57.0	40.8	50.0	56.4	44.6	51.5	76.6	56.3	46.3	49.8
L.S.D. (0.05)	5.9	14.4	4.4	16.3	5.8	9.0	9.3	13.1	8.6	10.3	6.7	20.5	5.0
C.V. (%)	10.0	24.4	6.2	14.2	7.0	9.0	8.2	14.6	8.3	6.7	5.9	21.9	11.4

❖Data not included in mean.

**TABLE 38 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008**

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	20.4	20.0	20.2	21.5	20.4	20.6	19.9	19.9	20.4
5002T	20.1	19.2	21.0	22.5	22.1	21.3	20.6	21.2	21.0
DPL 5414	20.3	19.4	17.5	20.5	21.0	19.4	19.5	19.5	19.7
OSAGE	20.0	20.2	22.4	21.5	20.3	20.5	20.2	21.7	20.7
JTN-5503	19.7	19.5	19.5	20.9	20.6	20.6	19.8	21.3	20.1
DB04-10836	20.2	20.3	19.3	22.3	20.0	19.5	20.2	20.7	20.3
DB04-10997	19.9	19.3	20.0	21.1	21.1	20.4	20.1	19.8	20.3
DB04-1702	18.7	21.4	19.3	20.4	19.4	19.9	19.4	19.2	19.8
DB04-1805	20.1	21.0	20.7	21.1	20.8	20.9	20.0	20.4	20.7
DB04-290	20.4	21.5	21.4	22.0	21.2	21.4	21.1	21.5	21.3
JTN-5108	20.1	18.2	18.3	21.3	19.6	20.6	19.0	19.4	19.6
JTN-5208	19.3	18.6	17.5	20.5	19.7	19.3	19.4	19.6	19.2
JTN-5308	20.7	19.7	19.8	20.7	20.4	20.8	20.2	19.8	20.3
K06-3202 RR L	21.5	21.7	20.2	22.5	22.7	20.8	21.3	21.5	21.5
K06-3208 RR L	20.3	20.0	20.7	22.0	21.3	21.1	20.8	20.4	20.9
K06-3501 RR L	20.3	20.7	21.4	21.4	20.1	19.9	20.5	20.8	20.6
K06-3522 RR L	20.8	20.6	21.7	21.3	21.4	20.3	20.6	21.3	21.0
K06-3666 RR L	20.7	21.9	21.2	20.8	21.6	21.1	20.3	21.6	21.1
Md 0506WN 68	19.5	19.0	18.8	20.1	20.9	20.5	18.5	19.7	19.6
Md 05-5038	21.0	21.9	20.7	21.6	21.5	20.6	21.7	21.1	21.3
Md 05-5156	20.9	19.5	21.0	22.6	20.8	21.9	21.0	20.5	21.1
Md 05-5369	20.2	20.8	20.8	21.4	22.3	21.8	20.2	21.1	21.1
N02-417	21.8	21.2	22.6	22.7	22.5	23.1	21.7	21.4	22.2
NCC04-9589R	19.8	20.4	20.6	20.1	18.8	20.4	19.9	20.7	20.0
NCC05-1323	20.7	20.7	20.2	21.3	20.9	20.9	19.4	21.2	20.6
NCC05-1336	20.9	20.8	20.6	21.2	21.4	.	19.3	21.5	20.7
NCC05-4048R	20.6	20.5	21.4	20.9	20.6	21.1	20.1	21.2	20.7
NCC05-7568R	21.6	21.5	21.9	22.7	21.1	21.5	21.0	21.3	21.6
NCC05-7649R	21.3	21.0	20.9	21.7	21.4	22.0	21.1	22.0	21.3
R01-3474F	21.4	21.1	21.1	21.8	21.8	21.9	20.8	21.3	21.4
R03-263	20.1	18.9	19.6	20.6	20.1	20.6	19.5	20.7	19.9
R04-572	20.6	21.8	20.7	21.1	21.0	22.3	20.7	21.7	21.2
R04-665	21.4	20.7	21.4	22.0	20.8	21.0	20.4	20.6	21.1
R05-235	21.2	20.4	20.3	22.5	21.3	22.1	20.3	20.9	21.2
S05-11268	20.8	20.7	19.5	21.2	20.8	20.3	21.0	20.7	20.6
S05-11482	20.5	19.3	21.1	21.9	21.5	20.8	20.7	20.5	20.8
S06-3050	19.3	19.5	19.6	21.0	20.9	19.3	20.1	19.9	20.0
S06-6836	20.6	20.2	20.1	21.2	21.2	20.2	20.8	20.8	20.6
S06-6906	20.7	19.9	21.0	22.3	20.8	21.7	21.0	20.4	21.1
S06-9423	19.9	18.9	20.4	21.2	20.1	19.9	20.1	19.5	20.1
TN03-217	19.1	19.6	20.1	20.0	19.3	20.3	18.7	19.9	19.6
V04-3471	20.9	21.6	20.6	21.6	21.4	22.1	21.1	21.6	21.3
V04-3760	20.0	20.3	22.3	20.7	20.3	20.7	20.1	19.8	20.6
V04-3913	20.9	21.2	20.8	22.1	21.1	21.5	20.9	20.1	21.2

❖Data not included in mean.

**TABLE 39 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008**

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	41.4	41.8	41.1	40.3	41.0	41.7	41.6	40.2	41.3
5002T	39.6	39.7	39.2	38.1	40.6	40.5	39.6	36.8	39.6
DPL 5414	41.2	42.2	43.3	40.9	39.7	41.3	41.4	40.7	41.4
OSAGE	40.9	42.2	42.4	41.3	42.3	41.1	42.0	41.1	41.7
JTN-5503	40.5	39.5	40.5	39.7	39.5	39.7	39.5	40.9	39.8
DB04-10836	39.4	40.2	39.2	38.5	40.2	39.3	39.5	39.3	39.5
DB04-10997	39.2	39.4	40.4	40.4	40.6	40.4	40.6	39.2	40.1
DB04-1702	39.5	42.3	38.9	39.2	40.6	39.4	39.4	39.0	39.9
DB04-1805	40.6	41.2	39.7	38.8	40.1	39.8	40.2	40.3	40.1
DB04-290	40.4	39.9	39.1	38.5	39.2	39.8	39.1	39.0	39.4
JTN-5108	40.3	42.1	42.1	40.3	41.5	40.4	41.4	39.9	41.2
JTN-5208	41.2	41.5	43.5	41.3	41.6	41.8	42.0	40.3	41.8
JTN-5308	40.5	39.2	40.6	39.0	40.0	40.1	39.5	40.1	39.8
K06-3202 RR L	40.3	39.7	40.9	39.0	38.6	41.7	39.7	39.0	40.0
K06-3208 RR L	38.4	39.5	38.8	40.6	39.6	40.6	40.2	39.5	39.7
K06-3501 RR L	41.3	41.9	39.2	41.1	41.6	41.6	41.6	40.2	41.2
K06-3522 RR L	41.0	41.4	39.2	42.1	42.0	40.8	41.6	39.8	41.2
K06-3666 RR L	40.6	40.7	41.1	40.9	39.6	41.7	41.0	39.6	40.8
Md 0506WN 68	39.3	41.0	41.5	42.7	39.8	41.5	42.0	39.9	41.1
Md 05-5038	40.2	39.2	40.4	40.2	40.7	41.1	40.3	39.8	40.3
Md 05-5156	38.7	40.4	39.1	39.1	41.0	38.9	39.0	39.5	39.5
Md 05-5369	40.2	41.3	40.6	40.0	38.7	41.9	41.0	39.5	40.5
N02-417	38.5	38.4	36.8	37.5	37.3	37.9	39.1	37.5	37.9
NCC04-9589R	40.3	40.8	39.7	40.4	41.9	40.7	41.3	38.7	40.7
NCC05-1323	38.1	37.5	39.1	39.1	38.4	40.5	39.0	38.5	38.8
NCC05-1336	40.0	40.0	40.0	39.4	38.2	.	39.7	39.2	39.6
NCC05-4048R	40.7	41.7	39.2	40.8	40.4	39.6	41.0	39.2	40.5
NCC05-7568R	40.4	39.1	39.5	40.0	40.6	40.1	40.6	41.0	40.0
NCC05-7649R	41.4	40.5	40.7	41.1	39.7	40.1	40.7	40.4	40.6
R01-3474F	40.6	40.1	39.9	39.5	40.0	39.9	40.1	38.8	40.0
R03-263	41.6	41.2	41.3	41.0	41.7	40.6	42.1	40.2	41.4
R04-572	39.4	36.8	39.4	39.4	39.2	38.8	38.9	39.1	38.8
R04-665	41.2	40.3	39.4	37.8	39.5	39.7	39.6	39.2	39.6
R05-235	41.5	40.4	41.0	38.3	40.2	40.5	40.4	40.8	40.3
S05-11268	41.1	40.5	40.3	40.2	39.9	40.8	40.3	39.7	40.4
S05-11482	40.1	39.2	38.3	38.6	39.9	40.2	38.9	38.6	39.3
S06-3050	39.8	40.2	38.0	39.9	39.3	39.6	39.2	39.9	39.4
S06-6836	39.2	38.9	38.7	39.4	39.5	39.2	39.6	38.7	39.2
S06-6906	40.2	38.9	38.5	38.4	39.8	40.7	39.4	38.6	39.4
S06-9423	39.6	40.1	37.9	40.1	40.2	40.6	40.0	38.9	39.8
TN03-217	42.6	41.5	40.5	42.4	41.5	41.6	41.6	41.2	41.7
V04-3471	40.6	40.7	40.5	39.3	39.9	39.9	40.3	40.7	40.2
V04-3760	40.6	41.0	42.2	42.8	42.5	40.6	42.1	41.3	41.7
V04-3913	40.6	41.2	39.3	40.1	40.4	40.4	40.4	39.5	40.3

❖Data not included in mean.

TABLE 40 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	16.4	13.9	17.1	15.4	14.6	14.5	14.1	15.9	12.6	14.6	12.5	16.6	14.8
5002T	17.5	13.7	16.5	16.6	16.2	15.6	15.1	16.3	14.5	16.7	14.4	17.1	15.9
DPL 5414	16.5	12.9	17.1	16.7	15.4	14.6	13.3	15.9	13.1	13.6	14.3	16.4	15.0
OSAGE	15.2	10.8	15.2	14.9	14.5	13.2	11.3	12.3	12.1	10.6	11.6	18.0	13.1
JTN-5503	16.8	13.5	16.4	17.3	16.1	15.1	14.1	14.7	14.4	14.2	13.6	16.5	15.3
DB04-10836	17.1	13.1	16.2	13.8	14.9	13.2	12.6	13.7	11.7	10.6	13.2	8.0	13.7
DB04-10997	15.1	11.9	15.3	14.0	14.0	12.5	12.5	15.5	11.9	11.8	12.0	16.4	13.5
DB04-1702	16.9	12.9	16.6	15.3	16.6	14.4	12.6	16.0	13.7	12.6	13.9	15.8	14.9
DB04-1805	17.3	16.2	18.2	16.6	15.2	16.0	13.2	15.8	14.4	15.7	13.9	19.2	15.6
DB04-290	18.8	15.4	18.1	16.8	17.4	15.9	14.5	16.3	14.2	15.8	15.0	17.9	16.3
JTN-5108	15.5	12.3	15.6	15.7	15.0	14.3	13.1	15.4	13.0	11.9	13.8	14.8	14.3
JTN-5208	16.1	12.0	14.0	13.6	13.5	11.9	10.3	14.9	10.7	11.4	10.6	18.4	12.7
JTN-5308	16.2	13.6	15.8	18.0	15.1	15.0	13.8	15.2	14.1	14.8	13.6	15.6	15.2
K06-3202 RR L	15.9	13.7	15.9	14.9	13.8	14.8	12.5	14.4	13.1	16.7	12.3	17.1	14.4
K06-3208 RR L	16.3	14.5	18.0	16.1	16.4	15.7	14.5	16.7	15.6	16.3	15.0	16.5	16.1
K06-3501 RR L	17.5	11.2	15.3	14.1	13.6	12.5	11.4	13.5	11.2	12.1	11.4	17.2	13.3
K06-3522 RR L	14.2	9.8	12.6	12.0	12.5	11.0	10.5	12.6	9.7	11.6	10.1	19.3	11.7
K06-3666 RR L	17.9	12.8	19.5	17.8	17.6	16.3	14.9	16.6	14.4	16.0	14.2	16.5	16.5
Md 0506WN 68	17.4	13.4	17.4	17.6	16.1	16.1	15.5	16.3	13.4	13.6	14.6	18.0	15.8
Md 05-5038	17.3	12.1	17.1	17.0	16.1	14.9	14.7	15.9	14.1	14.6	14.0	18.2	15.6
Md 05-5156	15.7	11.5	15.3	14.0	14.3	13.5	12.9	13.9	12.8	13.6	11.1	17.1	13.7
Md 05-5369	17.4	13.4	17.0	14.6	15.7	14.7	14.3	16.9	12.3	13.8	13.7	15.0	15.0
N02-417	16.6	15.8	18.1	19.6	17.3	16.0	15.1	17.2	14.5	16.2	14.3	18.3	16.5
NCC04-9589R	15.1	11.9	13.6	13.6	12.5	12.0	12.1	13.7	11.3	11.1	11.5	13.7	12.6
NCC05-1323	16.1	12.3	16.6	13.9	14.4	13.2	12.6	15.0	13.2	12.6	11.6	16.6	13.9
NCC05-1336	15.8	12.2	14.7	13.3	13.3	12.6	13.5	13.0	12.5	13.0	12.0	16.9	13.4
NCC05-4048R	15.8	11.2	15.1	14.6	14.8	12.2	12.2	13.2	12.8	11.1	12.4	19.5	13.4
NCC05-7568R	17.5	11.4	16.4	16.2	16.4	16.5	13.5	16.6	13.4	13.0	13.7	15.4	15.3
NCC05-7649R	16.3	11.9	16.1	15.7	16.0	15.5	13.5	15.8	14.4	13.1	14.0	18.9	15.0
R01-3474F	16.4	12.0	14.8	13.8	14.9	13.4	10.8	14.8	11.6	11.8	11.8	18.2	13.4
R03-263	18.1	12.5	18.3	17.1	16.5	15.3	13.7	16.0	13.7	13.1	13.9	16.7	15.6
R04-572	17.9	12.8	16.2	17.2	14.9	14.6	12.5	15.4	13.1	14.5	13.6	17.2	15.0
R04-665	19.3	12.8	16.2	16.3	15.0	13.5	13.1	15.6	12.3	13.4	13.4	17.8	14.8
R05-235	18.1	14.5	17.9	18.3	17.6	16.2	14.5	16.3	15.4	17.0	16.1	15.6	16.7
S05-11268	18.9	12.4	15.2	16.0	14.5	13.9	12.1	15.0	12.8	14.7	12.8	15.2	14.6
S05-11482	16.6	13.1	14.7	14.6	14.1	13.4	12.4	14.6	13.2	15.0	12.3	19.7	14.1
S06-3050	15.9	11.7	14.2	14.3	14.8	13.0	12.3	14.3	11.7	10.5	12.3	19.7	13.3
S06-6836	17.2	12.0	15.4	15.9	15.0	13.9	12.3	16.4	12.8	11.9	13.5	16.1	14.4
S06-6906	17.2	12.8	15.6	16.1	15.7	14.5	12.9	16.8	13.3	13.4	13.6	17.7	14.9
S06-9423	15.9	11.9	16.2	13.7	16.0	13.5	12.5	15.6	13.4	12.2	12.8	17.3	14.2
TN03-217	14.1	7.2	0.0	8.9	0.0	8.8	8.2	7.5	9.0	8.9	6.5	17.8	7.2
V04-3471	17.0	12.9	17.7	17.0	19.8	15.3	12.4	15.8	13.3	13.2	14.1	18.9	15.5
V04-3760	18.2	14.9	17.8	19.5	17.4	16.2	14.9	16.9	13.9	15.3	14.6	16.8	16.5
V04-3913	19.0	13.2	19.1	17.6	17.0	16.0	13.6	16.5	14.0	13.3	14.6	15.8	16.1

❖Data not included in mean.



TABLE 41 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	25	30	32	26	34	35	33	33	30	26	44	38	32
5002T	21	21	31	22	29	29	33	27	23	24	32	34	27
DPL 5414	31	37	36	37	36	41	39	34	34	32	49	40	37
OSAGE	17	24	29	23	28	29	25	21	24	26	34	28	26
JTN-5503	22	28	29	26	29	28	28	30	25	22	37	34	27
DB04-10836	20	30	31	28	30	32	32	24	27	30	35	35	29
DB04-10997	16	32	29	23	35	31	33	29	26	28	39	33	29
DB04-1702	18	26	30	27	29	32	30	25	25	30	42	34	29
DB04-1805	16	29	30	24	28	34	29	22	28	24	34	33	27
DB04-290	19	23	32	24	29	32	29	26	29	24	38	35	28
JTN-5108	20	28	29	25	30	32	29	31	25	30	31	35	28
JTN-5208	25	38	40	33	35	40	35	36	33	34	40	47	35
JTN-5308	23	32	36	25	35	36	32	31	32	28	44	37	32
K06-3202 RR L	21	26	36	25	33	33	32	33	24	28	40	38	30
K06-3208 RR L	22	20	30	23	29	27	28	30	26	22	36	32	27
K06-3501 RR L	21	21	29	22	28	32	25	26	20	24	29	29	25
K06-3522 RR L	22	25	35	24	33	33	34	29	28	26	38	39	30
K06-3666 RR L	18	22	37	22	32	31	28	25	26	26	33	35	28
Md 0506WN 68	28	37	32	42	29	42	44	28	40	46	42	37	37
Md 05-5038	30	40	38	43	35	45	45	32	49	48	39	37	40
Md 05-5156	21	24	32	23	29	34	28	29	31	26	34	31	29
Md 05-5369	22	21	33	25	30	34	29	28	26	28	34	35	29
N02-417	21	23	31	22	30	31	27	27	32	26	35	31	28
NCC04-9589R	17	27	35	29	31	35	30	30	26	26	41	35	30
NCC05-1323	21	24	31	23	30	26	30	29	24	28	35	34	28
NCC05-1336	22	27	31	26	31	34	32	29	27	28	35	37	29
NCC05-4048R	17	22	28	23	27	32	29	28	23	18	35	31	26
NCC05-7568R	16	21	31	30	29	28	30	29	21	22	33	31	27
NCC05-7649R	20	23	30	20	29	29	31	28	21	26	41	31	27
R01-3474F	24	31	36	31	31	38	35	28	33	30	38	40	32
R03-263	14	20	26	26	29	27	24	33	24	22	33	31	26
R04-572	16	24	28	24	28	31	28	32	31	26	39	34	28
R04-665	24	28	40	25	29	37	36	37	32	32	42	38	33
R05-235	18	24	36	26	30	37	34	36	27	32	36	34	31
S05-11268	14	22	29	27	27	30	24	26	21	28	33	31	26
S05-11482	18	30	31	27	30	31	31	34	27	26	40	36	29
S06-3050	25	37	39	28	33	38	35	33	28	36	42	41	34
S06-6836	25	35	41	31	34	39	37	34	39	34	44	42	36
S06-6906	24	36	39	32	35	37	37	35	40	32	46	40	35
S06-9423	17	27	38	26	27	30	34	30	29	32	34	38	30
TN03-217	15	17	22	18	26	24	23	24	18	16	30	29	21
V04-3471	13	26	29	23	29	32	27	30	25	22	39	32	27
V04-3760	21	37	36	40	33	40	42	37	48	38	38	29	37
V04-3913	19	22	25	18	26	24	27	26	22	18	31	28	23

❖Data not included in mean.

TABLE 42 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008

STRAIN/ VARIETY	BIXBY OK	JACKSON❖ TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW❖ VA	MEAN
5601T	.	1.0	3.0	1.0	2.0	2.0	1.5	1.5	2.0	1.5	2.0	1.8
5002T	.	1.0	3.0	0.8	2.5	2.5	1.5	2.0	2.0	2.0	2.0	2.0
DPL 5414	1.0	2.5	3.0	3.3	2.5	3.0	2.5	2.0	3.0	3.5	2.0	2.6
OSAGE	.	1.0	3.0	1.5	1.0	2.5	1.0	1.0	2.0	2.0	1.3	1.8
JTN-5503	.	1.0	3.0	1.3	2.0	2.5	1.5	1.8	2.0	3.0	2.3	2.1
DB04-10836	.	1.5	3.0	2.8	2.0	3.5	3.5	1.3	2.0	3.5	2.8	2.7
DB04-10997	.	1.0	3.0	0.9	1.5	2.5	1.5	2.0	2.0	3.0	1.8	2.0
DB04-1702	.	1.5	3.0	3.0	3.0	3.5	2.0	1.0	2.0	3.5	2.0	2.6
DB04-1805	.	1.0	3.5	2.8	2.5	3.0	2.5	1.3	2.0	3.5	2.0	2.6
DB04-290	1.0	1.0	3.5	2.5	4.0	3.5	2.0	1.5	2.0	4.0	3.0	2.7
JTN-5108	.	2.0	3.5	1.5	2.0	3.0	2.5	2.5	2.0	4.0	3.3	2.6
JTN-5208	.	2.5	3.5	3.0	3.0	2.5	3.0	2.8	3.0	4.0	3.0	3.1
JTN-5308	.	1.0	3.0	2.5	3.0	3.0	3.5	2.5	3.0	4.0	3.0	3.1
K06-3202 RR L	.	1.0	3.0	1.0	1.5	2.5	2.0	1.5	2.0	2.5	2.0	2.0
K06-3208 RR L	.	1.0	3.0	1.3	2.5	2.5	1.0	2.3	2.0	2.0	2.3	2.1
K06-3501 RR L	.	1.0	2.5	1.0	2.0	2.0	1.0	1.5	2.0	2.0	1.8	1.8
K06-3522 RR L	.	1.0	2.5	1.0	2.0	2.5	2.0	1.8	2.0	2.0	2.0	2.0
K06-3666 RR L	.	1.0	3.0	1.3	2.0	2.5	1.5	1.5	2.0	2.0	2.0	2.0
Md 0506WN 68	.	2.5	4.0	3.3	1.0	3.5	4.5	1.5	5.0	3.5	2.5	3.3
Md 05-5038	.	1.5	3.0	3.3	1.5	3.0	4.0	1.5	4.0	2.5	1.5	2.8
Md 05-5156	.	1.0	2.5	1.0	2.0	2.5	1.0	1.5	2.0	2.0	1.8	1.8
Md 05-5369	.	1.0	3.0	1.3	1.5	3.0	1.0	1.8	2.0	2.0	1.8	1.9
N02-417	.	1.0	3.0	1.3	1.5	2.5	1.0	1.3	2.0	1.5	1.5	1.8
NCC04-9589R	.	1.0	2.0	1.3	1.0	2.0	1.0	1.0	2.0	1.5	2.0	1.5
NCC05-1323	.	1.0	3.0	1.0	2.0	2.5	1.0	2.3	2.0	2.0	1.8	2.0
NCC05-1336	.	1.0	3.0	1.3	1.5	3.0	2.0	1.8	2.0	3.0	2.3	2.2
NCC05-4048R	.	1.0	2.0	0.5	1.0	1.5	1.0	1.3	2.0	1.0	1.0	1.3
NCC05-7568R	.	1.0	1.5	1.3	1.0	1.5	1.0	1.3	2.0	1.5	1.3	1.4
NCC05-7649R	.	1.0	2.0	0.8	1.0	2.0	1.0	1.0	2.0	1.0	1.3	1.3
R01-3474F	.	1.0	2.5	1.8	2.0	2.5	2.0	1.3	2.0	2.0	2.3	2.0
R03-263	.	1.0	3.0	1.0	2.0	2.0	1.0	1.8	2.0	2.0	2.0	1.8
R04-572	.	1.0	3.0	1.5	1.0	2.0	2.0	1.8	2.0	2.0	1.8	1.9
R04-665	.	1.0	3.0	1.3	2.5	3.0	2.5	2.0	2.0	2.5	2.0	2.3
R05-235	.	1.0	3.0	1.5	2.5	2.5	2.0	2.3	2.0	3.0	2.0	2.3
S05-11268	.	1.0	4.0	2.0	2.0	3.5	1.5	2.5	2.0	4.0	2.3	2.7
S05-11482	1.0	1.5	3.5	1.8	2.5	2.0	2.0	3.0	2.0	3.5	3.0	2.4
S06-3050	1.0	1.5	3.0	3.0	2.5	3.0	3.0	2.5	3.0	4.0	2.8	2.8
S06-6836	1.0	1.0	3.0	2.0	3.0	3.0	3.0	2.8	3.0	4.0	2.8	2.8
S06-6906	1.0	1.5	3.0	2.3	3.0	2.5	4.0	2.5	3.0	4.0	2.5	2.8
S06-9423	.	1.0	3.0	1.3	3.0	3.5	2.0	2.3	2.0	2.5	3.3	2.4
TN03-217	.	1.0	3.0	0.5	3.0	2.0	1.5	1.3	2.0	1.5	2.0	1.8
V04-3471	.	1.0	4.5	1.3	1.5	3.0	2.0	1.5	2.0	3.0	1.5	2.3
V04-3760	.	2.0	3.0	3.0	1.0	3.5	2.5	1.5	3.0	3.0	1.8	2.6
V04-3913	0.0	1.0	3.5	1.0	2.0	2.0	2.0	1.5	2.0	2.5	1.8	1.8

❖Data not included in mean.

TABLE 43 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2008

STRAIN/ VARIETY	JACKSON❖	MCCUNE	PINE TREE	PITTSBURG	PORTAGEVILLE	QUEENSTOWN	ROHWER	STONEVILLE	ULLIN	WARSAW❖	MEAN
	TN	KS	AR	KS	MO(A)	MD	AR	MS	IL	VA	
5601T	2.0	2.0	0.8	1.0	3.0	1.0	3.0	2.0	1.0	2.0	1.7
5002T	2.5	2.0	1.0	2.0	2.0	1.0	2.8	2.0	1.0	2.5	1.7
DPL 5414	2.0	2.0	0.5	2.0	2.0	1.0	2.0	2.0	1.0	1.8	1.6
OSAGE	2.0	3.0	0.5	2.0	3.0	1.0	2.5	2.0	1.0	1.5	1.9
JTN-5503	1.8	2.0	0.3	1.0	3.0	1.0	2.3	2.0	1.0	1.8	1.6
DB04-10836	2.3	2.0	0.8	2.0	2.0	1.0	3.3	2.0	1.0	1.5	1.8
DB04-10997	1.5	2.0	0.5	1.0	2.0	1.0	2.5	2.0	1.0	2.3	1.5
DB04-1702	2.0	3.0	1.0	2.0	3.0	1.0	2.5	2.0	1.0	2.0	1.9
DB04-1805	2.0	2.0	0.8	2.0	3.0	1.0	2.8	2.0	1.0	2.5	1.8
DB04-290	2.0	2.0	0.5	2.0	3.0	1.0	3.0	2.0	1.0	1.3	1.8
JTN-5108	1.8	2.0	0.5	2.0	2.0	1.0	2.0	2.0	1.0	1.8	1.6
JTN-5208	1.8	2.0	0.5	2.0	3.0	1.0	2.0	2.0	1.5	1.8	1.8
JTN-5308	2.3	3.0	0.8	2.0	3.0	1.0	3.3	2.0	2.0	2.0	2.1
K06-3202 RR L	2.0	2.0	1.3	2.0	4.0	1.0	2.8	2.0	1.0	2.5	2.0
K06-3208 RR L	2.0	2.0	1.3	1.0	4.0	1.0	3.0	2.0	1.0	2.0	1.9
K06-3501 RR L	2.0	2.0	0.8	2.0	3.0	1.0	2.3	2.0	1.0	2.0	1.8
K06-3522 RR L	1.5	2.0	1.0	1.0	3.0	1.0	2.8	2.0	1.0	2.0	1.7
K06-3666 RR L	2.3	2.0	0.5	1.0	3.0	1.0	2.3	2.0	1.0	1.8	1.6
Md 0506WN 68	2.0	2.0	1.3	2.0	4.0	1.0	3.3	2.0	1.5	1.8	2.1
Md 05-5038	2.0	2.0	1.0	2.0	3.0	1.0	2.8	2.0	1.0	2.0	1.8
Md 05-5156	1.8	2.0	0.8	1.0	2.0	1.0	2.8	2.0	1.0	1.8	1.6
Md 05-5369	1.5	2.0	0.3	2.0	2.0	1.0	3.3	2.0	1.0	1.8	1.7
N02-417	2.5	2.0	0.5	3.0	3.0	1.0	2.5	2.0	1.0	1.8	1.9
NCC04-9589R	2.0	2.0	0.5	2.0	2.0	1.0	2.5	2.0	1.0	2.5	1.6
NCC05-1323	2.0	2.0	1.0	2.0	3.0	1.0	2.5	2.0	1.0	2.0	1.8
NCC05-1336	2.0	2.0	0.5	2.0	3.0	1.0	2.8	2.0	1.0	2.8	1.8
NCC05-4048R	2.3	2.0	0.5	1.0	3.0	1.0	3.0	2.0	1.0	2.3	1.7
NCC05-7568R	2.0	2.0	0.3	2.0	2.0	1.0	2.5	2.0	1.0	1.5	1.6
NCC05-7649R	2.0	3.0	1.0	1.0	2.0	1.0	2.3	2.0	1.0	2.8	1.7
R01-3474F	2.0	2.0	0.8	1.0	3.0	1.0	2.5	2.0	1.0	1.8	1.7
R03-263	2.0	3.0	0.8	2.0	3.0	1.0	2.8	2.0	1.5	2.3	2.0
R04-572	2.0	2.0	0.8	2.0	3.0	1.0	3.0	2.0	1.5	1.5	1.9
R04-665	2.3	2.0	0.5	2.0	2.0	1.0	2.0	2.0	1.5	2.3	1.6
R05-235	2.0	2.0	0.5	3.0	3.0	1.0	3.0	2.0	1.5	1.5	2.0
S05-11268	2.3	2.0	1.0	2.0	2.0	1.0	2.8	2.0	1.0	1.8	1.7
S05-11482	2.0	2.0	0.5	1.0	3.0	1.0	3.3	2.0	1.0	1.5	1.7
S06-3050	1.8	2.0	1.0	2.0	3.0	1.0	2.8	2.0	1.5	2.3	1.9
S06-6836	2.3	3.0	0.8	2.0	3.0	1.0	3.3	2.0	1.0	2.0	2.0
S06-6906	2.0	3.0	1.0	2.0	2.0	1.0	2.8	2.0	1.0	2.5	1.8
S06-9423	2.0	2.0	1.0	3.0	2.0	1.0	3.0	2.0	1.0	1.8	1.9
TN03-217	1.0	2.0	0.5	2.0	2.0	1.0	1.8	2.0	1.0	2.3	1.5
V04-3471	1.8	3.0	0.8	2.0	3.0	1.0	3.0	2.0	1.0	2.0	2.0
V04-3760	1.8	2.0	0.8	2.0	3.0	1.0	2.5	2.0	1.5	1.8	1.8
V04-3913	2.0	2.0	0.5	3.0	2.0	1.0	2.8	2.0	1.0	1.5	1.8

❖Data not included in mean.

## UNIFORM GROUP VI

2008

Uniform Group VI nurseries were planted at 18 locations. Data were obtained from 16 of the locations. The parentage for each strain is reported in Table 44. Table 45 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil and protein percentages, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 46 - 51.

TABLE 44 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	Centennial x Young	
2. BOGGS RR	(G81-152 x Coker 6738) x RR	
3. NC-ROY	Holladay X Brim	
4. G04-2947 RR	BOGGS-RR X G93-2225	F6d
5. N02-7738	Cook x Bicentennial (00)	
6. N02-8492	DILLON X N96-6730	F4
7. N03-7183	Cook x Archer (I)	
8. VS22-524	Forrest x Essex	
9. NCC01-69	TN93-99/J94-7(2,3,14)	
10. NCC02-21183	TN93-99 x Fowler	
11. NCC04-5336	NC 97-61 x N94-552 RR, BC1F1	F4:9
12. NCC04-619	N97-61 x TN96-64	F4:9
13. NCC04-734	N97-61 x TN96-64	F4:9
14. R01-2346	V91-3036 x HBK 5990	
15. R01-327	R96-2660 x HBK 5990	
16. R02-3065	HBK 5990 x ANAND	
17. R03-1232	PIO 9592 x KS4895	
18. R04-342	R97-1650 X 98601	
19. SC02-011RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
20. SC03-9090RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
21. SC03-9093RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
22. SC03-9151RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
23. SC04-41	DILLON(3)/N94-199	F5
24. VS22-537	Forrest x Essex	
25. VS06- 1020	V81-1603 x PI 506852	
26. VS22-477	(PI 423905xBay)VS95-49xVS94-17(YorkxPI416937)	
27. VS22-523	Forrest x Essex	

**TABLE 45 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD <sup>❖</sup>			PROTEIN			OIL		
			2008	07-08	06-08	2008	07-08	06-08	2008	07-08	06-08
DILLON	8	11	45.3	45.0	46.5	42.0	42.5	42.3	20.0	20.2	19.8
BOGGS RR	24	16	40.5	42.7	45.3	42.5	42.5	42.6	18.8	20.1	19.7
NC-ROY	12	13	44.3	45.8	48.4	42.0	42.2	42.2	19.5	19.5	19.0
G04-2947 RR	25	17	40.4	.	.	42.4	.	.	18.9	.	.
N02-7738	23	19	40.8	.	.	42.0	.	.	20.0	.	.
N02-8492	17	16	42.7	44.4	.	40.9	40.4	.	20.0	20.1	.
N03-7183	27	20	39.1	.	.	41.6	.	.	20.2	.	.
VS22-524	15	15	44.0	45.3	46.3	40.4	40.6	40.5	21.0	21.0	20.6
NCC01-69	4	11	47.2	47.3	48.7	39.9	40.1	40.1	21.2	21.7	21.3
NCC02-21183	10	14	45.1	46.3	.	40.7	40.8	.	20.3	20.5	.
NCC04-5336	14	13	44.0	.	.	42.8	.	.	19.4	.	.
NCC04-619	13	13	44.2	.	.	40.5	.	.	20.5	.	.
NCC04-734	18	15	42.7	.	.	41.2	.	.	20.5	.	.
R01-2346	6	11	46.1	48.3	50.3	41.8	41.2	41.2	20.6	21.1	20.5
R01-327	5	10	46.5	48.7	.	40.1	40.5	.	19.8	20.2	.
R02-3065	2	8	48.5	.	.	42.0	.	.	19.9	.	.
R03-1232	3	10	47.4	49.0	.	40.9	40.4	.	20.6	20.7	.
R04-342	1	9	48.6	.	.	41.1	.	.	21.0	.	.
SC02-011RR	9	12	45.2	46.0	47.7	41.6	41.5	41.3	20.0	20.6	20.2
SC03-9090RR	11	13	44.6	45.3	.	43.0	43.2	.	19.8	20.0	.
SC03-9093RR	22	18	41.1	42.7	45.2	42.4	42.2	42.1	20.3	20.8	20.3
SC03-9151RR	7	12	45.4	46.5	.	42.5	42.5	.	20.3	20.9	.
SC04-41	19	16	42.3	.	.	42.7	.	.	19.9	.	.
VS22-537	21	18	41.8	.	.	41.3	.	.	19.9	.	.
VS06-1020	26	18	39.8	.	.	42.8	.	.	19.1	.	.
VS22-477	16	15	43.9	44.7	44.6	41.3	40.8	40.7	19.9	20.2	19.6
VS22-523	20	17	42.1	43.6	45.2	41.2	41.1	41.2	20.4	20.7	20.3

❖Data not included in mean ~ 2007 - Alexandria, LA; Belle Mina, AL; Clemson, SC; Warsaw, VA  
2006 - Bixby, OK; Bossier City, LA; Tallassee, AL(A)

Table 45 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
DILLON	10/12	1.7	32	2.0	16.5			
BOGGS RR	2+	2.4	31	1.6	13.1			
NC-ROY	3+	1.9	32	1.8	14.5			
G04-2947 RR	3+	2.0	35	1.6	14.7	W	T	T
N02-7738	4+	1.7	31	2.2	17.0	P	T	
N02-8492	3+	1.4	29	1.8	16.8	P	G	
N03-7183	2-	1.3	23	2.2	16.1	P	T	
VS22-524	4-	1.9	31	1.8	15.1	W	G	
NCC01-69	0	1.3	26	2.0	17.6			
NCC02-21183	3-	1.2	24	2.1	15.0			
NCC04-5336	3+	1.3	28	1.7	14.5	W	G	
NCC04-619	4+	1.3	26	1.6	14.2	P	G	
NCC04-734	1+	1.1	25	1.6	15.5	S	G	
R01-2346	0	1.5	28	2.1	17.7	S	G	T
R01-327	2+	1.6	30	1.8	18.6	P	T	T
R02-3065	3-	1.7	28	1.6	18.6	P	T	T
R03-1232	1-	1.2	27	1.9	16.8	W	G	T
R04-342	2-	1.4	26	2.3	18.5	P	G	T
SC02-011RR	3+	2.0	34	1.7	15.1	P	G	T
SC03-9090RR	1+	1.9	32	1.9	16.2	P	G	T
SC03-9093RR	3+	1.8	36	1.9	17.0	P	G	T
SC03-9151RR	3+	1.6	31	1.9	18.0	P	G	T
SC04-41	0	1.8	33	1.9	16.7	P	G	T
VS22-537	4-	1.8	29	2.0	14.6	W	T	
VS06-1020	2+	2.3	30	1.8	14.4	W	T	
VS22-477	3-	1.7	27	1.9	14.6	W	G	
VS22-523	5-	1.5	27	2.1	15.3	W	G	

Table 45 ~ Continued

## PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV G1	SMV G1	SC	SC	SDS
	1.2.5.7	5.7	1.3.5.6.7					SEVERE			
	2	3	14	GA	GA	G1	SEGREGATION	SUSCEPTIBLE			
DILLON	4	5	3	4.3	4.3	R	no	no	S	5	.
BOGGS RR	4	1	3	2.5	1.0	S	no	no	R	1	.
NC-ROY	4	5	3	4.8	5.0	R	SEG	no	S	5	.
G04-2947 RR	4	1	2	4.3	1.3	R	no	no	R	1	.
N02-7738	4	5	3	5.0	4.8	R	no	no	SS	3	.
N02-8492	4	5	3	5.0	5.0	R	no	no	S	5	.
N03-7183	4	5	3	5.0	5.0	R	no	no	R	1	.
VS22-524	3	2	4	4.5	5.0	S	SEG	no	S	5	.
NCC01-69	4	5	3	5.0	5.0	R	no	no	R	1	.
NCC02-21183	4	5	3	5.0	5.0	S	no	no	R	1	.
NCC04-5336	4	5	4	4.8	5.0	R	no	no	MS	4	.
NCC04-619	4	5	2	5.0	5.0	R	no	no	MR	2	.
NCC04-734	4	5	3	5.0	5.0	R	no	no	MR	2	.
R01-2346	4	5	3	4.3	3.5	S	no	no	S	5	.
R01-327	5	3	3	5.0	5.0	R	no	no	S	5	.
R02-3065	4	4	4	5.0	3.8	R	no	no	MR	2	.
R03-1232	4	5	3	3.8	5.0	R	no	no	R	1	.
R04-342	5	5	4	3.5	4.3	S	no	no	S	5	.
SC02-011RR	4	5	3	4.8	5.0	R	no	no	S	5	.
SC03-9090RR	4	2	3	4.8	5.0	R	no	no	S	5	.
SC03-9093RR	3	1	3	4.8	5.0	R	no	no	MR	2	.
SC03-9151RR	3	1	3	5.0	5.0	R	no	no	S	5	.
SC04-41	4	5	3	5.0	5.0	R	no	no	R	1	.
VS22-537	4	1	4	3.3	3.0	S	no	SEVERE	S	5	.
VS06-1020	4	1	2	3.8	4.0	S	no	SEVERE	R	1	.
VS22-477	4	5	3	4.3	5.0	S	no	no	S	5	.
VS22-523	3	1	3	4.5	5.0	S	SEG	no	S	5	.



**TABLE 46 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008**

STRAIN/ VARIETY	EAST			MEAN
	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)	
DILLON	52.6	25.0	48.2	41.9
BOGGS RR	45.5	41.9	43.4	43.6
NC-ROY	43.6	20.0	46.0	36.5
G04-2947 RR	47.4	35.3	44.2	42.3
N02-7738	47.8	31.7	43.6	41.0
N02-8492	49.6	26.1	50.0	41.9
N03-7183	50.7	24.2	48.5	41.1
VS22-524	43.9	27.1	37.8	36.3
NCC01-69	41.6	21.8	51.4	38.3
NCC02-21183	40.9	25.4	52.9	39.8
NCC04-5336	49.3	19.8	46.9	38.6
NCC04-619	47.0	29.8	52.3	43.0
NCC04-734	42.2	25.5	47.2	38.3
R01-2346	51.2	31.2	47.6	43.3
R01-327	39.9	26.8	53.2	40.0
R02-3065	54.3	24.5	51.6	43.5
R03-1232	43.9	24.7	52.1	40.2
R04-342	58.7	25.7	52.3	45.6
SC02-011RR	56.0	25.4	46.3	42.6
SC03-9090RR	48.9	29.4	43.1	40.4
SC03-9093RR	48.2	24.0	39.5	37.2
SC03-9151RR	53.8	21.6	46.9	40.8
SC04-41	49.5	28.3	42.1	40.0
VS22-537	48.9	27.1	38.9	38.3
VS06-1020	39.3	32.4	42.7	38.1
VS22-477	42.5	30.0	41.9	38.1
VS22-523	48.7	30.6	43.6	41.0
LOCATION MEANS	47.6	27.2	46.5	40.4
L.S.D. (0.05)	11.5	3.3	5.0	7.9
C.V. (%)	14.7	7.4	6.7	15.2

TABLE 46 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ALEXANDRIA LA	ATHENS GA(A)	BELLE MINA AL	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	
DILLON	45.4	54.6	46.3	34.2	41.8	48.4	47.3	54.8	46.6
BOGGS RR	30.6	45.3	40.3	48.9	30.8	51.0	42.4	56.7	43.2
NC-ROY	37.1	50.0	43.3	36.8	48.5	50.1	53.9	62.3	47.8
G04-2947 RR	28.6	48.5	42.1	36.7	34.4	37.2	47.4	58.8	41.7
N02-7738	23.6	50.3	39.6	38.6	40.9	35.6	37.4	53.1	39.9
N02-8492	35.6	48.1	39.6	33.8	46.4	51.2	45.3	50.8	43.9
N03-7183	40.3	45.7	39.6	34.0	47.6	34.1	34.7	44.6	40.1
VS22-524	47.5	48.8	43.0	44.5	47.1	40.3	40.3	51.3	45.3
NCC01-69	47.9	47.4	48.7	40.6	46.4	47.8	42.4	67.6	48.6
NCC02-21183	41.1	43.8	45.1	37.4	49.3	38.7	48.4	57.4	45.1
NCC04-5336	35.9	54.8	43.0	39.3	47.3	44.0	49.1	66.7	47.5
NCC04-619	30.2	43.9	48.7	39.4	49.0	42.8	54.5	59.9	46.1
NCC04-734	39.8	48.8	44.5	32.6	43.8	39.8	48.1	50.2	43.4
R01-2346	32.1	46.7	46.0	39.2	48.8	37.1	47.0	49.4	43.3
R01-327	51.4	49.5	40.9	41.7	48.3	42.6	49.2	62.5	48.3
R02-3065	51.4	49.7	43.6	50.7	45.7	46.2	53.4	65.5	50.8
R03-1232	45.8	50.4	50.2	42.2	54.0	43.3	48.0	51.8	48.2
R04-342	46.2	51.5	49.9	45.5	51.2	42.6	45.2	50.6	47.8
SC02-011RR	40.6	50.9	40.3	41.4	45.4	39.6	47.9	66.3	46.5
SC03-9090RR	50.4	51.9	39.6	41.8	46.1	39.1	40.3	54.1	45.4
SC03-9093RR	30.3	53.2	34.2	41.3	41.8	42.0	41.7	60.9	43.2
SC03-9151RR	43.2	44.8	40.9	40.3	46.9	44.2	46.7	66.0	46.6
SC04-41	44.1	46.7	36.9	40.1	43.3	45.0	42.4	53.0	43.9
VS22-537	38.5	43.1	41.8	40.2	41.1	36.8	42.3	51.9	42.0
VS06-1020	33.5	48.9	42.1	37.7	44.2	52.7	37.2	45.7	42.8
VS22-477	42.8	49.3	43.0	37.5	46.2	45.9	44.2	58.4	45.9
VS22-523	38.2	37.8	40.3	37.0	48.3	30.3	44.2	55.5	41.4
LOCATION MEANS	39.7	48.3	42.7	39.8	45.4	42.5	45.2	56.5	45.0
L.S.D. (0.05)	9.9	8.0	5.8	7.9	4.7	10.0	8.2	13.1	4.7
C.V. (%)	12.2	10.1	8.3	12.1	6.3	14.3	11.0	14.2	14.2

TABLE 46 ~ Continued

STRAIN VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS	
DILLON	58.8	48.3	49.2	52.1
BOGGS RR	54.2	20.0	26.2	33.5
NC-ROY	55.6	43.6	37.0	45.4
G04-2947 RR	58.9	33.1	28.0	40.0
N02-7738	53.6	37.0	59.9	50.2
N02-8492	55.2	43.8	48.4	49.2
N03-7183	47.0	41.4	34.6	41.0
VS22-524	58.6	46.4	68.7	57.9
NCC01-69	56.8	52.9	74.6	61.4
NCC02-21183	55.0	52.5	77.4	61.7
NCC04-5336	50.4	40.3	39.7	43.4
NCC04-619	57.9	40.7	43.4	47.4
NCC04-734	59.4	45.1	44.8	49.7
R01-2346	59.0	58.6	74.8	64.1
R01-327	48.2	55.0	67.2	56.8
R02-3065	61.3	50.6	63.0	58.3
R03-1232	63.8	57.6	79.8	67.1
R04-342	55.0	55.7	84.9	65.2
SC02-011RR	60.9	40.8	49.7	50.5
SC03-9090RR	60.1	51.9	57.6	56.5
SC03-9093RR	51.4	40.3	46.9	46.2
SC03-9151RR	61.6	45.2	51.6	52.8
SC04-41	56.7	44.0	42.7	47.8
VS22-537	56.0	45.5	57.2	52.9
VS06-1020	51.1	28.2	27.5	35.6
VS22-477	51.4	49.6	59.6	53.6
VS22-523	55.7	46.8	70.7	57.7
LOCATION MEANS	56.1	45.0	54.3	51.8
L.S.D. (0.05)	10.1	5.9	7.4	14.3
C.V. (%)	11.0	7.5	8.3	18.4

TABLE 46 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	44.3	27.1	35.7
BOGGS RR	41.1	28.1	34.6
NC-ROY	37.6	45.4	41.5
G04-2947 RR	39.3	26.0	32.7
N02-7738	32.5	28.9	30.7
N02-8492	34.6	26.5	30.6
N03-7183	28.7	31.6	30.2
VS22-524	32.9	22.7	27.8
NCC01-69	37.2	30.1	33.7
NCC02-21183	35.6	24.0	29.8
NCC04-5336	38.4	39.6	39.0
NCC04-619	31.1	37.6	34.3
NCC04-734	36.4	34.5	35.4
R01-2346	35.2	35.1	35.2
R01-327	37.0	32.3	34.7
R02-3065	40.6	27.2	33.9
R03-1232	33.8	18.2	26.0
R04-342	30.9	34.0	32.4
SC02-011RR	37.6	36.9	37.2
SC03-9090RR	34.8	24.0	29.4
SC03-9093RR	32.3	29.2	30.7
SC03-9151RR	40.5	34.5	37.5
SC04-41	37.6	23.4	30.5
VS22-537	34.8	24.2	29.5
VS06-1020	34.6	38.0	36.3
VS22-477	36.2	22.7	29.5
VS22-523	29.5	17.6	23.6
LOCATION MEANS	35.7	29.6	32.7
L.S.D. (0.05)	3.4	7.0	10.6
C.V. (%)	5.8	14.4	17.9

TABLE 47 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008

## OIL PERCENTAGES

STRAIN/ VARIETY	ATHENS GA	BIXBY OK	BOSSIER CITY LA	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	.	20.2	.	.	19.6	19.6	20.0	20.4	.	.	20.3	20.5	19.6	.	20.0
BOGGS RR	.	19.8	.	.	18.1	19.7	18.1	19.5	.	.	18.6	17.6	18.6	.	18.7
NC-ROY	.	19.6	.	.	19.5	20.7	18.3	19.9	.	.	18.8	19.6	18.9	.	19.4
G04-2947 RR	.	19.8	.	.	19.0	19.4	18.3	20.3	.	.	18.7	17.6	18.2	.	18.9
N02-7738	.	20.7	.	.	18.9	19.8	19.1	21.1	.	.	20.2	20.4	19.1	.	19.9
N02-8492	.	19.7	.	.	19.5	20.6	21.0	19.9	.	.	19.0	21.1	19.5	.	20.0
N03-7183	.	21.4	.	.	20.0	20.5	19.1	19.3	.	.	20.4	20.6	20.2	.	20.2
VS22-524	.	21.4	.	.	20.8	21.7	20.6	20.5	.	.	21.2	21.2	20.4	.	21.0
NCC01-69	.	20.9	.	.	21.3	20.3	21.0	21.4	.	.	21.1	22.1	21.5	.	21.2
NCC02-21183	.	21.1	.	.	19.3	20.2	20.0	20.0	.	.	20.1	21.0	20.2	.	20.2
NCC04-5336	.	20.6	.	.	19.6	20.2	18.7	19.5	.	.	17.8	19.5	19.6	.	19.4
NCC04-619	.	19.5	.	.	20.4	21.0	20.6	20.6	.	.	19.1	21.2	20.5	.	20.4
NCC04-734	.	20.1	.	.	21.3	20.0	20.2	20.4	.	.	20.3	21.5	20.5	.	20.5
R01-2346	.	19.8	.	.	20.6	20.6	20.3	20.3	.	.	21.2	20.9	20.1	.	20.5
R01-327	.	19.3	.	.	19.5	18.7	20.3	18.9	.	.	20.2	21.2	19.7	.	19.7
R02-3065	.	20.0	.	.	20.4	19.9	19.7	19.1	.	.	20.4	19.8	19.2	.	19.8
R03-1232	.	21.3	.	.	19.7	20.0	21.3	19.4	.	.	20.5	21.0	21.5	.	20.6
R04-342	.	20.4	.	.	19.5	21.1	20.9	21.4	.	.	21.8	21.3	21.3	.	21.0
SC02-011RR	.	21.0	.	.	21.0	19.5	19.2	20.1	.	.	19.0	19.6	20.2	.	20.0
SC03-9090RR	.	19.8	.	.	19.3	19.4	18.9	20.4	.	.	20.1	20.8	19.0	.	19.7
SC03-9093RR	.	20.8	.	.	20.0	19.6	19.4	20.7	.	.	20.1	20.2	19.7	.	20.1
SC03-9151RR	.	19.8	.	.	19.7	20.3	20.1	20.3	.	.	21.0	20.6	19.8	.	20.2
SC04-41	.	20.4	.	.	20.0	19.8	20.2	19.9	.	.	20.5	20.7	18.4	.	20.0
VS22-537	.	21.0	.	.	19.2	18.9	19.5	20.6	.	.	20.2	20.2	19.8	.	19.9
VS06-1020	.	20.5	.	.	21.5	18.6	18.2	19.0	.	.	19.0	18.4	18.0	.	19.2
VS22-477	.	19.6	.	.	19.6	19.4	20.3	20.3	.	.	20.0	20.4	19.3	.	19.9
VS22-523	.	20.6	.	.	19.4	20.8	20.3	21.0	.	.	20.7	20.5	20.1	.	20.4

TABLE 47 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA	BIXBY OK	BOSSIER CITY LA	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	.	40.7	.	.	43.1	43.1	42.7	41.3	.	.	41.6	40.5	44.6	.	42.2
BOGGS RR	.	39.5	.	.	44.1	41.1	43.3	41.0	.	.	44.4	43.5	44.6	.	42.7
NC-ROY	.	41.0	.	.	42.7	41.9	43.6	40.8	.	.	42.6	40.8	44.7	.	42.3
G04-2947 RR	.	40.8	.	.	43.2	40.5	43.6	40.3	.	.	43.3	44.9	44.9	.	42.7
N02-7738	.	40.0	.	.	43.7	42.6	43.6	41.5	.	.	41.0	41.4	43.8	.	42.2
N02-8492	.	41.1	.	.	41.7	39.8	41.5	40.6	.	.	40.5	39.3	42.9	.	40.9
N03-7183	.	39.7	.	.	42.3	41.0	43.7	42.5	.	.	41.9	41.1	42.0	.	41.8
VS22-524	.	39.9	.	.	41.3	40.8	41.0	40.9	.	.	39.9	39.5	41.6	.	40.6
NCC01-69	.	39.1	.	.	40.2	40.4	41.0	40.1	.	.	38.9	38.9	40.7	.	39.9
NCC02-21183	.	41.1	.	.	42.0	40.7	41.8	39.7	.	.	40.0	39.9	42.1	.	40.9
NCC04-5336	.	40.3	.	.	43.6	41.0	44.1	41.5	.	.	44.9	43.2	44.0	.	42.8
NCC04-619	.	40.6	.	.	41.5	39.8	41.4	38.8	.	.	41.1	40.2	41.8	.	40.7
NCC04-734	.	40.1	.	.	41.2	41.2	41.9	40.6	.	.	41.8	40.2	42.4	.	41.2
R01-2346	.	40.8	.	.	42.6	41.7	43.1	41.9	.	.	41.4	41.3	43.1	.	42.0
R01-327	.	40.1	.	.	40.9	41.2	40.3	40.4	.	.	40.0	38.0	41.0	.	40.2
R02-3065	.	39.9	.	.	42.8	41.8	42.4	42.9	.	.	43.0	41.8	43.4	.	42.2
R03-1232	.	40.2	.	.	42.4	41.2	40.9	42.6	.	.	39.3	40.5	41.7	.	41.1
R04-342	.	40.5	.	.	43.3	40.3	42.0	41.4	.	.	39.6	40.8	42.3	.	41.3
SC02-011RR	.	39.3	.	.	42.0	42.1	42.6	39.8	.	.	43.0	42.1	42.9	.	41.7
SC03-9090RR	.	41.3	.	.	44.2	43.7	44.7	42.5	.	.	41.8	41.9	44.3	.	43.1
SC03-9093RR	.	40.5	.	.	43.1	42.6	44.4	40.4	.	.	43.2	42.7	42.9	.	42.5
SC03-9151RR	.	39.7	.	.	43.8	42.7	43.6	41.0	.	.	42.8	42.9	44.8	.	42.7
SC04-41	.	39.7	.	.	43.8	42.7	42.9	42.1	.	.	41.9	42.1	45.8	.	42.6
VS22-537	.	40.5	.	.	43.2	42.5	42.5	39.7	.	.	40.8	40.9	42.5	.	41.6
VS06-1020	.	40.9	.	.	42.4	42.6	43.6	41.3	.	.	43.4	43.8	45.0	.	42.9
VS22-477	.	41.7	.	.	41.9	42.0	41.9	39.7	.	.	40.8	40.8	43.1	.	41.5
VS22-523	.	40.2	.	.	42.1	41.4	41.4	41.3	.	.	40.9	41.3	41.9	.	41.3

TABLE 47 ~ Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS GA	BIXBY OK	BOSSIER CITY LA	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	16.6	16.3	18.6	18.0	18.0	16.6	.	15.7	17.4	14.5	13.2	15.7	17.0	17.2	16.5
BOGGS RR	12.5	15.0	15.5	14.0	13.3	13.6	.	13.6	12.3	12.4	8.7	12.5	13.3	13.7	13.1
NC-ROY	13.9	14.9	14.4	15.0	16.2	16.2	.	13.9	14.4	14.1	12.2	12.3	14.8	16.7	14.5
G04-2947 RR	14.1	18.2	16.2	15.8	15.4	17.7	.	15.3	13.7	13.5	9.8	11.4	15.2	15.1	14.7
N02-7738	17.3	19.2	17.6	17.9	18.6	21.1	.	14.9	17.0	16.6	12.2	14.5	15.6	18.2	17.0
N02-8492	18.1	16.3	19.6	17.8	19.0	19.4	.	16.0	16.9	16.1	13.0	13.5	16.8	16.4	16.8
N03-7183	14.5	15.4	17.4	18.0	18.5	18.7	.	14.7	15.9	14.3	13.3	15.5	14.9	17.8	16.1
VS22-524	14.9	20.2	17.6	16.0	17.3	15.1	.	14.7	14.9	12.2	12.0	12.6	13.8	14.8	15.1
NCC01-69	16.5	18.8	16.3	16.2	20.7	21.5	.	16.2	19.4	17.8	14.4	14.6	18.2	18.4	17.6
NCC02-21183	13.3	16.6	15.2	15.2	17.8	15.6	.	14.2	16.5	13.7	12.8	12.6	15.3	16.0	15.0
NCC04-5336	14.3	15.5	15.6	15.6	16.4	15.5	.	14.7	14.2	13.6	11.4	10.9	14.8	15.6	14.5
NCC04-619	12.8	15.1	14.0	13.9	15.5	19.9	.	13.4	13.8	12.9	10.9	12.6	14.5	15.1	14.2
NCC04-734	14.1	18.4	15.4	17.3	16.3	19.5	.	14.6	15.0	14.2	12.3	12.2	15.7	16.6	15.5
R01-2346	17.8	17.1	21.6	17.8	19.6	18.6	.	17.0	18.0	16.2	15.0	15.1	17.9	17.9	17.7
R01-327	18.9	16.2	20.7	19.8	22.3	20.1	.	17.2	18.4	18.0	15.7	14.5	19.6	20.6	18.6
R02-3065	18.0	19.4	19.9	21.2	20.4	21.1	.	17.2	19.7	18.2	14.2	13.2	19.2	19.6	18.6
R03-1232	17.3	17.2	18.5	18.3	18.8	19.9	.	15.9	16.9	14.7	13.4	13.2	17.0	17.2	16.8
R04-342	18.5	17.8	21.1	20.1	20.6	17.3	.	17.9	18.1	17.2	16.2	16.7	19.1	20.4	18.5
SC02-011RR	15.3	16.0	17.1	15.8	16.0	14.7	.	14.4	15.5	13.8	11.4	14.2	14.9	17.8	15.1
SC03-9090RR	16.4	16.3	17.4	17.1	17.7	19.2	.	14.6	15.9	14.7	13.5	13.5	16.4	17.9	16.2
SC03-9093RR	17.2	17.1	20.8	17.0	17.8	18.3	.	15.8	16.7	15.1	12.8	16.8	16.2	18.9	17.0
SC03-9151RR	17.8	20.4	20.7	18.6	20.8	18.7	.	15.7	18.3	17.2	13.8	14.6	17.8	19.4	18.0
SC04-41	16.2	19.3	17.8	17.3	17.9	18.8	.	14.2	16.7	15.2	13.1	15.2	17.2	17.9	16.7
VS22-537	14.4	16.1	15.8	16.7	16.2	15.7	.	13.8	15.3	12.8	11.4	11.2	14.2	15.6	14.6
VS06-1020	14.8	16.8	17.3	14.8	15.1	14.5	.	14.3	13.6	13.4	9.7	12.5	14.3	15.9	14.4
VS22-477	13.6	15.1	15.3	15.3	15.2	18.3	.	14.4	15.2	12.6	12.1	11.5	14.2	16.7	14.6
VS22-523	14.7	18.0	16.7	17.1	16.5	16.0	.	14.5	16.4	13.2	13.0	12.8	13.9	16.6	15.3

**TABLE 48 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN DILLON,  
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008**

STRAIN/ VARIETY	EAST				MEAN
	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)		
DILLON	10/14	11/06	10/17	10/22	
BOGGS RR	2	0	4	3	
NC-ROY	3	0	4	3	
G04-2947 RR	4	0	3	3	
N02-7738	2	0	4	3	
N02-8492	3	0	4	3	
N03-7183	-5	-8	-3	-5	
VS22-524	-5	-13	-3	-6	
NCC01-69	-1	0	1	0	
NCC02-21183	-5	-15	-3	-7	
NCC04-5336	4	0	3	3	
NCC04-619	4	-3	4	2	
NCC04-734	1	-5	1	-1	
R01-2346	-1	-3	-1	-1	
R01-327	1	-5	3	0	
R02-3065	-5	-3	-3	-3	
R03-1232	-2	0	-3	-1	
R04-342	-1	-15	-3	-6	
SC02-011RR	2	0	4	3	
SC03-9090RR	1	-3	-1	0	
SC03-9093RR	4	0	4	3	
SC03-9151RR	5	-3	3	2	
SC04-41	-1	-9	4	-1	
VS22-537	-5	-10	-5	-6	
VS06-1020	0	0	4	2	
VS22-477	-4	-13	-3	-6	
VS22-523	-3	-15	-4	-7	



TABLE 48 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ALEXANDRIA LA	ATHENS GA(A)	BELLE MINA AL	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	.	10/07	10/06	10/22	10/15	10/19	10/05	09/30	10/11
BOGGS RR	.	5	1	-1	-2	1	4	2	1
NC-ROY	.	9	-2	-2	3	2	8	10	4
G04-2947 RR	.	4	-6	-1	6	0	6	5	1
N02-7738	.	10	-4	1	7	1	5	13	4
N02-8492	.	5	-1	0	4	3	6	3	2
N03-7183	.	2	1	1	-4	-9	-6	7	-2
VS22-524	.	-3	0	0	-4	-7	-7	-2	-4
NCC01-69	.	0	1	2	-2	1	-4	6	0
NCC02-21183	.	1	-3	1	-4	-7	-3	4	-2
NCC04-5336	.	6	1	1	-1	1	8	8	3
NCC04-619	.	8	-1	0	3	2	8	10	4
NCC04-734	.	2	-1	-1	-2	-3	1	11	1
R01-2346	.	-3	-1	1	2	-4	-2	3	-1
R01-327	.	2	1	2	7	2	2	5	3
R02-3065	.	-4	-3	1	-8	-6	-2	2	-3
R03-1232	.	1	1	2	-5	-3	-5	3	-1
R04-342	.	-5	4	1	-2	-6	-4	6	-1
SC02-011RR	.	3	-2	-1	4	1	6	8	2
SC03-9090RR	.	-1	0	0	-1	1	4	4	1
SC03-9093RR	.	4	-6	-1	5	3	3	8	2
SC03-9151RR	.	2	-3	-1	5	1	8	9	2
SC04-41	.	0	-3	1	-3	2	5	5	1
VS22-537	.	-6	1	1	-5	-10	-6	0	-4
VS06-1020	.	4	-4	-1	1	1	5	4	1
VS22-477	.	-1	-4	2	-3	-4	-4	2	-2
VS22-523	.	-6	-7	1	-4	-7	-8	1	-5

TABLE 48 ~ Continued

STRAIN VARIETY	DELTA				MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS		
DILLON	10/11	10/04	09/23	10/03	
BOGGS RR	8	3	2	4	
NC-ROY	0	4	11	5	
G04-2947 RR	7	4	9	6	
N02-7738	6	3	9	6	
N02-8492	4	3	8	5	
N03-7183	-3	2	4	1	
VS22-524	-2	-1	-2	-2	
NCC01-69	3	1	-2	0	
NCC02-21183	0	2	-2	0	
NCC04-5336	5	4	11	6	
NCC04-619	6	4	11	6	
NCC04-734	6	2	11	6	
R01-2346	0	3	-1	0	
R01-327	4	4	3	3	
R02-3065	-1	-1	-2	-2	
R03-1232	-1	2	-2	-1	
R04-342	-2	1	-2	-1	
SC02-011RR	8	3	3	4	
SC03-9090RR	2	0	0	0	
SC03-9093RR	6	3	10	6	
SC03-9151RR	5	3	3	3	
SC04-41	5	2	-2	1	
VS22-537	-4	0	-2	-2	
VS06-1020	9	2	9	6	
VS22-477	2	-1	-2	-1	
VS22-523	-5	-1	-2	-3	

TABLE 48 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	.	10/18	10/18
BOGGS RR	.	-5	-5
NC-ROY	.	-4	-4
G04-2947 RR	.	-3	-3
N02-7738	.	0	0
N02-8492	.	-3	-3
N03-7183	.	-1	-1
VS22-524	.	-2	-2
NCC01-69	.	-3	-3
NCC02-21183	.	-3	-3
NCC04-5336	.	-4	-4
NCC04-619	.	-2	-2
NCC04-734	.	-3	-3
R01-2346	.	1	1
R01-327	.	1	1
R02-3065	.	1	1
R03-1232	.	-5	-5
R04-342	.	2	2
SC02-011RR	.	-2	-2
SC03-9090RR	.	0	0
SC03-9093RR	.	-1	-1
SC03-9151RR	.	1	1
SC04-41	.	-1	-1
VS22-537	.	-3	-3
VS06-1020	.	-3	-3
VS22-477	.	-4	-4
VS22-523	.	-4	-4

TABLE 49 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008

STRAIN/ VARIETY	EAST			MEAN
	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)	
DILLON	33	16	39	29
BOGGS RR	33	18	42	31
NC-ROY	34	21	43	32
G04-2947 RR	36	19	45	34
N02-7738	31	21	42	31
N02-8492	29	18	40	29
N03-7183	22	16	31	23
VS22-524	30	16	38	28
NCC01-69	23	14	32	23
NCC02-21183	23	17	31	23
NCC04-5336	28	17	38	28
NCC04-619	27	14	34	25
NCC04-734	26	17	30	24
R01-2346	26	15	35	25
R01-327	30	17	37	28
R02-3065	29	15	35	26
R03-1232	26	14	39	26
R04-342	26	13	32	24
SC02-011RR	36	19	40	32
SC03-9090RR	30	20	46	32
SC03-9093RR	38	26	49	38
SC03-9151RR	30	17	36	28
SC04-41	30	18	40	29
VS22-537	28	18	36	27
VS06-1020	29	17	39	28
VS22-477	24	14	34	24
VS22-523	26	16	34	25

TABLE 49 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ALEXANDRIA LA	ATHENS GA(A)	BELLE MINA AL	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	
DILLON	30	20	38	32	41	33	40	35	34
BOGGS RR	28	18	38	30	36	37	35	33	32
NC-ROY	26	20	40	34	40	36	39	35	34
G04-2947 RR	32	26	39	37	37	41	45	37	37
N02-7738	28	22	32	33	36	32	37	34	32
N02-8492	24	17	36	30	44	28	32	32	30
N03-7183	17	16	38	21	24	21	18	35	24
VS22-524	29	20	39	34	36	33	41	31	33
NCC01-69	19	16	39	25	40	25	29	29	28
NCC02-21183	16	18	40	25	26	22	25	27	25
NCC04-5336	21	19	37	27	36	27	34	27	29
NCC04-619	22	16	38	28	31	28	29	26	27
NCC04-734	20	17	37	25	28	28	27	23	25
R01-2346	30	17	36	31	38	28	31	32	31
R01-327	21	18	38	32	40	28	35	35	31
R02-3065	22	18	37	31	32	28	34	29	29
R03-1232	22	15	35	31	35	28	30	26	28
R04-342	21	14	39	31	36	22	27	29	27
SC02-011RR	30	22	38	34	41	36	44	39	35
SC03-9090RR	31	20	37	34	37	33	40	34	33
SC03-9093RR	35	25	32	30	38	40	43	38	35
SC03-9151RR	31	19	39	32	37	33	36	35	33
SC04-41	30	19	41	35	40	34	38	37	34
VS22-537	22	18	39	34	37	29	39	31	31
VS06-1020	24	20	39	28	36	36	38	31	32
VS22-477	18	18	36	25	36	31	35	30	29
VS22-523	23	16	35	30	36	25	33	29	28

TABLE 49 ~ Continued

STRAIN VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS	
DILLON	28	38	36	34
BOGGS RR	29	39	36	35
NC-ROY	28	33	36	32
G04-2947 RR	30	36	45	37
N02-7738	28	34	38	33
N02-8492	23	37	24	28
N03-7183	20	26	14	20
VS22-524	27	28	36	30
NCC01-69	23	30	26	26
NCC02-21183	21	31	26	26
NCC04-5336	25	37	28	30
NCC04-619	25	33	24	27
NCC04-734	26	33	22	27
R01-2346	24	33	28	29
R01-327	24	35	38	32
R02-3065	24	26	34	28
R03-1232	24	34	38	32
R04-342	21	30	38	30
SC02-011RR	33	40	40	38
SC03-9090RR	31	39	44	38
SC03-9093RR	36	40	40	39
SC03-9151RR	28	35	40	34
SC04-41	28	39	40	36
VS22-537	25	29	38	31
VS06-1020	26	35	38	33
VS22-477	22	28	36	29
VS22-523	27	29	32	29

TABLE 49 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	25	32	29
BOGGS RR	27	26	26
NC-ROY	23	31	27
G04-2947 RR	24	29	26
N02-7738	31	25	28
N02-8492	23	22	23
N03-7183	24	18	21
VS22-524	24	25	25
NCC01-69	18	20	19
NCC02-21183	17	20	18
NCC04-5336	21	23	22
NCC04-619	19	21	20
NCC04-734	21	19	20
R01-2346	20	23	22
R01-327	26	26	26
R02-3065	22	24	23
R03-1232	18	20	19
R04-342	21	22	22
SC02-011RR	28	31	30
SC03-9090RR	20	25	22
SC03-9093RR	30	30	30
SC03-9151RR	23	28	26
SC04-41	26	29	28
VS22-537	20	25	23
VS06-1020	23	25	24
VS22-477	23	22	23
VS22-523	20	21	21

**TABLE 50 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI,  
2008**

STRAIN/ VARIETY	EAST			MEAN
	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)	
DILLON	1.5	1.0	1.8	1.4
BOGGS RR	1.5	2.0	3.3	2.3
NC-ROY	1.5	1.3	1.8	1.5
G04-2947 RR	1.5	1.7	2.3	1.8
N02-7738	1.5	1.0	2.8	1.8
N02-8492	1.5	1.0	1.5	1.3
N03-7183	1.3	1.3	1.8	1.5
VS22-524	1.7	1.0	3.5	2.1
NCC01-69	1.3	1.0	1.5	1.3
NCC02-21183	1.3	1.3	1.5	1.4
NCC04-5336	1.5	1.0	1.5	1.3
NCC04-619	1.5	1.0	1.5	1.3
NCC04-734	1.2	1.0	1.3	1.1
R01-2346	1.2	1.0	2.5	1.6
R01-327	1.5	1.0	2.0	1.5
R02-3065	1.5	1.3	3.3	2.0
R03-1232	1.0	1.0	1.3	1.1
R04-342	1.5	1.0	1.8	1.4
SC02-011RR	1.5	1.3	2.5	1.8
SC03-9090RR	1.5	1.3	1.5	1.4
SC03-9093RR	1.3	1.3	1.8	1.5
SC03-9151RR	1.5	1.3	1.5	1.4
SC04-41	1.5	1.7	1.5	1.6
VS22-537	1.5	1.3	3.0	1.9
VS06-1020	1.5	1.0	3.0	1.8
VS22-477	1.5	1.3	2.3	1.7
VS22-523	1.3	1.0	3.3	1.9



TABLE 50 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ALEXANDRIA LA	ATHENS GA(A)	BELLE MINA AL	CALHOUN GA	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	
DILLON	2.5	1.0	1.7	1.0	3.0	2.0	1.3	2.0	1.8
BOGGS RR	3.0	1.0	2.0	1.8	4.0	2.0	5.0	3.3	2.8
NC-ROY	2.0	1.0	2.0	1.0	3.0	2.3	2.0	1.7	1.9
G04-2947 RR	3.0	1.0	1.7	1.5	2.7	2.0	3.7	3.0	2.3
N02-7738	2.0	1.0	1.3	1.0	3.0	2.0	1.7	1.7	1.7
N02-8492	1.0	1.0	1.3	1.0	1.7	1.3	1.3	1.3	1.3
N03-7183	1.0	1.0	1.7	1.0	1.0	1.0	.	1.3	1.0
VS22-524	2.0	1.0	2.3	1.0	3.0	1.7	3.7	1.7	2.0
NCC01-69	1.0	1.0	1.7	1.0	1.7	1.0	1.3	1.0	1.2
NCC02-21183	1.0	1.0	1.7	1.0	1.3	1.0	0.3	1.0	1.0
NCC04-5336	1.5	1.0	1.0	1.0	2.0	1.3	1.0	1.0	1.2
NCC04-619	1.3	1.0	3.3	1.0	1.7	1.0	0.3	1.0	1.3
NCC04-734	1.0	1.0	2.0	1.0	1.0	1.0	0.3	1.0	1.0
R01-2346	3.0	1.0	1.3	1.0	2.0	1.3	1.0	1.3	1.5
R01-327	1.8	1.0	1.3	1.0	2.3	1.7	2.0	1.0	1.5
R02-3065	2.0	1.0	1.7	1.2	2.0	1.3	1.3	2.0	1.6
R03-1232	1.0	1.0	1.3	1.0	1.7	1.0	0.3	1.0	1.0
R04-342	1.0	1.0	1.7	1.0	2.3	1.0	0.7	2.0	1.3
SC02-011RR	2.5	1.0	1.7	1.3	2.7	2.0	2.0	2.3	1.9
SC03-9090RR	2.5	1.0	1.3	1.2	3.3	1.7	2.3	2.3	2.0
SC03-9093RR	3.0	1.0	1.0	1.0	3.3	1.3	3.0	2.0	2.0
SC03-9151RR	2.0	1.0	2.3	1.0	3.0	1.7	1.0	2.3	1.8
SC04-41	2.5	1.0	1.7	1.3	3.3	2.0	1.7	1.7	1.9
VS22-537	2.0	1.0	2.0	1.2	2.7	1.7	2.0	1.7	1.8
VS06-1020	3.0	1.0	1.3	1.3	3.0	2.3	5.0	4.3	2.7
VS22-477	1.5	1.0	1.3	1.0	3.3	1.3	3.0	1.3	1.7
VS22-523	1.0	1.0	1.0	1.0	2.0	1.0	1.3	1.7	1.3

TABLE 50 ~ Continued

STRAIN VARIETY	DELTA		MEAN
	PINE TREE AR	STONEVILLE MS	
DILLON	1.5	2.0	1.8
BOGGS RR	1.8	2.0	1.9
NC-ROY	1.7	4.0	2.8
G04-2947 RR	1.5	3.0	2.3
N02-7738	1.5	3.0	2.3
N02-8492	1.5	3.0	2.3
N03-7183	1.3	3.0	2.2
VS22-524	1.0	2.0	1.5
NCC01-69	1.0	2.0	1.5
NCC02-21183	0.8	2.0	1.4
NCC04-5336	1.3	2.0	1.7
NCC04-619	1.2	2.0	1.6
NCC04-734	1.2	2.0	1.6
R01-2346	1.2	2.0	1.6
R01-327	1.3	3.0	2.2
R02-3065	1.0	3.0	2.0
R03-1232	0.8	3.0	1.9
R04-342	0.8	3.0	1.9
SC02-011RR	1.5	4.0	2.8
SC03-9090RR	1.5	4.0	2.8
SC03-9093RR	1.7	3.0	2.3
SC03-9151RR	1.5	2.0	1.8
SC04-41	1.3	3.0	2.2
VS22-537	1.3	3.0	2.2
VS06-1020	1.7	2.0	1.8
VS22-477	0.8	3.0	1.9
VS22-523	1.0	3.0	2.0

TABLE 50 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	.	1.0	1.0
BOGGS RR	.	1.0	1.0
NC-ROY	.	1.0	1.0
G04-2947 RR	1.0	1.0	1.0
N02-7738	.	1.0	1.0
N02-8492	.	1.0	1.0
N03-7183	.	1.0	1.0
VS22-524	.	1.0	1.0
NCC01-69	.	1.0	1.0
NCC02-21183	.	1.0	1.0
NCC04-5336	.	1.0	1.0
NCC04-619	.	1.0	1.0
NCC04-734	.	1.0	1.0
R01-2346	.	1.0	1.0
R01-327	.	1.0	1.0
R02-3065	.	1.0	1.0
R03-1232	.	1.0	1.0
R04-342	.	1.0	1.0
SC02-011RR	.	1.0	1.0
SC03-9090RR	.	1.0	1.0
SC03-9093RR	1.0	1.0	1.0
SC03-9151RR	1.0	1.0	1.0
SC04-41	.	1.0	1.0
VS22-537	.	1.0	1.0
VS06-1020	.	1.0	1.0
VS22-477	.	1.0	1.0
VS22-523	.	1.0	1.0

TABLE 51 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2008

STRAIN/ VARIETY	EAST		MEAN
	KINSTON NC(B)	PETERSBURG VA	
DILLON	1.8	1.0	1.4
BOGGS RR	1.3	1.0	1.2
NC-ROY	1.5	1.0	1.3
G04-2947 RR	1.3	1.0	1.2
N02-7738	1.7	1.0	1.3
N02-8492	1.7	1.0	1.3
N03-7183	2.0	1.0	1.5
VS22-524	1.8	1.0	1.4
NCC01-69	1.5	1.0	1.3
NCC02-21183	2.2	1.0	1.6
NCC04-5336	1.2	1.0	1.1
NCC04-619	1.5	1.0	1.3
NCC04-734	1.3	1.0	1.2
R01-2346	1.7	2.0	1.8
R01-327	1.0	1.0	1.0
R02-3065	1.5	1.0	1.3
R03-1232	1.7	1.0	1.3
R04-342	1.7	2.0	1.8
SC02-011RR	1.3	1.0	1.2
SC03-9090RR	1.2	1.0	1.1
SC03-9093RR	1.2	1.0	1.1
SC03-9151RR	1.5	1.0	1.3
SC04-41	1.5	1.0	1.3
VS22-537	1.7	1.0	1.3
VS06-1020	2.0	1.0	1.5
VS22-477	1.7	1.0	1.3
VS22-523	1.7	1.3	1.5

TABLE 51 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	ATHENS GA(A)	CALHOUN GA	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	
DILLON	2.3	2.0	4.0	2.5	2.0	2.6
BOGGS RR	1.8	1.5	3.0	1.0	1.8	1.8
NC-ROY	2.0	2.0	3.0	2.0	1.8	2.2
G04-2947 RR	2.0	1.5	3.0	1.0	2.0	1.9
N02-7738	2.5	2.5	4.0	3.0	3.5	3.1
N02-8492	2.2	1.5	3.0	2.0	1.7	2.1
N03-7183	2.5	3.0	3.0	2.5	3.3	2.9
VS22-524	2.3	2.0	2.0	2.0	2.2	2.1
NCC01-69	2.3	2.5	3.0	3.0	2.8	2.7
NCC02-21183	2.7	2.0	3.0	2.5	2.7	2.6
NCC04-5336	2.3	1.5	3.0	1.5	2.0	2.1
NCC04-619	2.3	1.0	2.0	1.0	2.7	1.8
NCC04-734	2.3	3.0	2.0	1.0	2.7	2.2
R01-2346	2.7	2.0	3.0	2.5	3.0	2.6
R01-327	2.2	2.5	3.0	1.5	2.7	2.4
R02-3065	2.0	1.5	2.0	1.0	2.3	1.8
R03-1232	2.5	3.0	3.0	1.5	2.2	2.4
R04-342	2.8	2.0	4.0	3.0	3.8	3.1
SC02-011RR	2.0	1.5	3.0	2.0	2.0	2.1
SC03-9090RR	2.2	2.0	3.0	2.0	3.3	2.5
SC03-9093RR	2.3	1.5	3.0	2.5	3.0	2.5
SC03-9151RR	2.2	1.5	3.0	3.0	3.0	2.5
SC04-41	2.2	2.0	3.0	2.0	3.0	2.4
VS22-537	2.3	2.0	4.0	2.0	2.7	2.6
VS06-1020	1.8	1.5	3.0	2.0	2.0	2.1
VS22-477	2.2	2.0	3.0	2.0	3.0	2.4
VS22-523	2.3	2.5	4.0	2.0	3.0	2.8

TABLE 51 ~ Continued

STRAIN VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS	
DILLON	0.7	2.2	2.0	1.6
BOGGS RR	0.5	2.3	2.0	1.6
NC-ROY	0.5	2.7	2.0	1.7
G04-2947 RR	0.7	2.5	2.0	1.7
N02-7738	1.0	2.3	2.0	1.8
N02-8492	0.8	2.5	2.0	1.8
N03-7183	1.0	2.5	2.0	1.8
VS22-524	1.0	2.0	2.0	1.7
NCC01-69	0.7	2.5	2.0	1.7
NCC02-21183	1.3	2.7	2.0	2.0
NCC04-5336	0.5	2.3	2.0	1.6
NCC04-619	0.5	2.3	2.0	1.6
NCC04-734	0.7	1.0	2.0	1.2
R01-2346	1.2	2.0	2.0	1.7
R01-327	0.7	2.2	2.0	1.6
R02-3065	0.5	2.3	2.0	1.6
R03-1232	0.7	2.0	2.0	1.6
R04-342	1.0	2.2	2.0	1.7
SC02-011RR	0.5	2.8	2.0	1.8
SC03-9090RR	0.8	2.7	2.0	1.8
SC03-9093RR	0.8	2.2	2.0	1.7
SC03-9151RR	0.5	2.3	2.0	1.6
SC04-41	0.8	2.0	2.0	1.6
VS22-537	1.2	2.7	2.0	1.9
VS06-1020	0.7	2.7	2.0	1.8
VS22-477	1.0	1.8	2.0	1.6
VS22-523	1.2	1.8	2.0	1.7

TABLE 51 ~ Continued

STRAIN/ VARIETY	WEST	
	BOSSIER CITY	LA
DILLON	1.0	
BOGGS RR	1.0	
NC-ROY	1.0	
G04-2947 RR	1.0	
N02-7738	1.0	
N02-8492	1.0	
N03-7183	1.0	
VS22-524	1.0	
NCC01-69	1.0	
NCC02-21183	1.0	
NCC04-5336	1.0	
NCC04-619	1.0	
NCC04-734	1.0	
R01-2346	1.3	
R01-327	1.0	
R02-3065	1.0	
R03-1232	1.0	
R04-342	1.0	
SC02-011RR	1.0	
SC03-9090RR	1.0	
SC03-9093RR	1.0	
SC03-9151RR	1.0	
SC04-41	1.0	
VS22-537	1.0	
VS06-1020	1.0	
VS22-477	1.0	
VS22-523	1.0	

## PRELIMINARY GROUP VI

2008

Preliminary Group VI nurseries were planted at 10 locations. Data were obtained from 8 of the locations. The parentage for each strain is reported in Table 52. Table 53 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 54 - 60.



TABLE 52 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
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 Benning-RR	F5d
5. G05-1267 RR	G98-1420 X Benning-RR	F5d
6. G05-1496 RR	G98-1053 X Benning-RR	F5d
7. G05-1573 RR	G98-1053 X Benning-RR	F5d
8. G06-16 RR	G99-2192 X Boggs-RR	F5d
9. N04-9856	N94-7440 X N96-6733	F4
10. N04-9646	BOGGS X NTCPR94-5157	F4
11. NCC04-14659R	TN96-58 x N94-552 RR, BC1F1	F4:9
12. NCC04-5307R	NC 97-61 x N94-552 RR, BC1F1	F4:9
13. NCC05-1543	N97-61xN95-614	F4:8
14. NCC05-3616R	TN98-149xN94-552 RR BC3F1	F4:8
15. NCC05-3975R	TN99-184x[N97-61xN94-550RR BC3F1 (106-2)]F2 33	F4:8
16. NCC05-4138R	TN99-184x[N97-61xN94-550RR BC3F1 (106-2)]F2 33	F4:8
17. R03-1011	HBK 5990 x 98601 (BC3F1)	
18. R03-1250	PIO 9592 x KS4895	
19. R03-869	V94-1295 x Ozark	
20. R04-522	Lonoke x P9594	
21. R05-138	MD 4900 x R95-209	
22. VS07-1022	VS95-50 x Kanrich	
23. VS07-1023	V81-1603 x PI 506852	
24. VS07-1024	V81-1603 x PI 506852	
25. VS07-1025	V81-1603 x PI 506852	
26. VS07-1026	V81-1603 x PI 506852	
27. VS07-966	PI 379621 x V81-1603	
28. TCWN23-578	N77-114x N96-6809	



**TABLE 54 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008**

STRAIN/ VARIETY	BIXBY OK	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	44.6	49.4	45.4	57.9	49.6	48.1	62.1	49.2	50.8
BOGGS RR	36.9-	26.4-	48.1	51.3	45.9	20.9-	33.4-	36.0-	37.4-
NC-ROY	41.0	39.3	47.3	60.6	49.9	42.8	41.4-	43.0	45.7
G05-1102 RR	40.1	55.8	44.2	63.9	55.0	42.1	60.9	46.5	51.1
G05-1267 RR	38.1-	53.9	46.1	52.7	53.2	43.5	57.8	51.2	49.6
G05-1496 RR	33.9-	52.3	41.7	52.7	50.0	37.4-	46.6-	47.0	45.2
G05-1573 RR	31.9-	53.4	51.4+	46.2	47.7	39.5	54.4	47.3	46.5
G06-16 RR	31.1-	37.2-	41.8	50.2	48.3	23.7-	15.5-	41.1	36.1-
N04-9856	27.7-	41.5	39.7-	40.6-	47.2	33.2-	19.9-	36.3-	35.8-
N04-9646	36.3-	49.3	51.6+	63.3	45.6	36.6-	38.5-	36.9-	44.8
NCC04-14659R	43.4	35.9-	43.8	54.6	53.3	28.4-	29.1-	54.0	42.8
NCC04-5307R	34.2-	49.1	48.1	52.7	48.5	33.0-	33.0-	39.9	42.3
NCC05-1543	31.6-	49.4	40.3-	61.8	48.7	41.7	40.3-	48.1	45.2
NCC05-3616R	30.9-	47.3	28.7-	57.9	46.8	40.1	42.0-	40.6	41.8-
NCC05-3975R	31.3-	41.8	34.6-	45.4	45.7	36.9-	25.8-	42.9	38.1-
NCC05-4138R	38.4-	44.7	33.9-	47.3	51.6	46.3	37.9-	44.0	43.0
R03-1011	38.6	53.0	44.0	66.7	49.5	45.0	66.4	47.2	51.3
R03-1250	36.9-	46.3	32.1-	62.9	55.6	54.2	74.5+	47.6	51.3
R03-869	36.0-	57.4	32.3-	54.8	49.4	46.2	65.4	35.8-	47.1
R04-522	39.2	52.3	32.0-	68.9	51.8	62.3+	81.1+	43.4	53.9
R05-138	34.8-	55.2	32.4-	55.4	55.4	51.7	76.1+	41.5	50.3
VS07-1022	31.3-	11.9-	42.1	46.0	41.2	27.5-	20.9-	29.5-	31.3-
VS07-1023	34.2-	32.3-	47.1	53.5	47.0	21.8-	32.8-	35.3-	38.0-
VS07-1024	37.5-	25.8-	42.7	59.8	47.3	26.4-	35.1-	47.5	40.3-
VS07-1025	36.9-	33.1-	38.1-	50.8	48.3	22.4-	32.0-	38.3-	37.5-
VS07-1026	41.9	32.4-	36.4-	53.9	43.7	16.4-	33.2-	41.1	37.4-
VS07-966	33.9-	42.0	42.5	50.2	48.7	29.1-	24.2-	43.0	39.2-
TCWN23-578	28.0-	39.7	35.2-	60.0	49.4	43.0	47.1-	35.0-	42.2
LOCATION MEAN	35.7	43.1	40.8	55.1	49.1	37.2	43.8	42.5	43.4
L.S.D. (0.05)	6.0	10.8	5.1	13.8	8.4	10.6	10.6	10.1	8.8
C.V. (%)	8.2	12.2	6.1	12.2	8.2	13.9	11.8	14.5	18.5

**TABLE 55 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008**

STRAIN/ VARIETY	BIXBY OK	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	20.0	20.3	20.7	20.7	20.2	21.3	19.2	20.3
BOGGS RR	19.6	17.1	19.7	18.5	17.5	19.0	18.7	18.6
NC-ROY	19.7	18.7	18.8	20.7	18.6	20.0	18.8	19.3
G05-1102 RR	20.9	20.7	20.8	19.7	20.3	20.6	19.6	20.4
G05-1267 RR	20.2	19.8	20.3	20.0	19.2	19.9	19.2	19.8
G05-1496 RR	21.3	20.7	20.8	20.6	19.2	20.3	20.0	20.4
G05-1573 RR	20.7	19.4	21.8	21.0	19.9	20.1	18.9	20.3
G06-16 RR	21.2	18.6	20.5	19.6	17.5	17.1	18.8	19.0
N04-9856	20.4	19.7	19.9	20.2	19.1	19.4	20.2	19.8
N04-9646	19.6	19.5	18.9	19.0	18.9	19.8	18.2	19.1
NCC04-14659R	20.6	18.8	20.2	20.0	18.8	20.0	20.4	19.8
NCC04-5307R	20.3	19.6	20.1	19.4	17.8	20.1	19.5	19.5
NCC05-1543	20.7	19.5	21.1	19.5	20.9	21.4	19.8	20.4
NCC05-3616R	20.0	19.0	19.0	20.3	18.7	20.0	18.7	19.4
NCC05-3975R	20.6	20.3	20.8	21.2	19.7	22.0	20.3	20.7
NCC05-4138R	19.6	19.7	21.1	21.6	18.8	22.1	19.7	20.4
R03-1011	19.8	20.4	18.9	19.7	19.1	19.7	20.1	19.7
R03-1250	21.2	21.4	19.6	21.3	20.3	21.4	20.6	20.8
R03-869	21.7	20.2	20.8	20.1	20.2	21.2	21.2	20.8
R04-522	20.5	20.2	20.1	21.6	20.2	21.0	19.8	20.5
R05-138	20.1	19.9	19.6	19.7	18.9	20.8	19.8	19.8
VS07-1022	19.9	19.3	18.2	18.8	19.1	20.8	19.1	19.3
VS07-1023	20.0	18.0	20.2	19.4	18.7	18.0	18.5	19.0
VS07-1024	20.4	17.4	20.3	17.9	18.7	18.3	19.8	19.0
VS07-1025	20.0	17.8	19.8	18.3	18.1	17.8	18.5	18.6
VS07-1026	19.2	17.8	19.1	18.8	18.2	18.1	18.4	18.5
VS07-966	19.7	17.1	18.8	18.1	17.8	16.1	18.7	18.0
TCWN23-578	20.8	20.1	21.2	20.6	19.8	22.0	20.3	20.7

**TABLE 56 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008**

STRAIN/ VARIETY	BIXBY OK	KINSTON NC(B)	PETERSBURG VA	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	41.1	42.1	41.7	40.2	41.6	39.6	44.2	41.5
BOGGS RR	40.3	44.7	39.9	42.7	44.6	42.3	45.2	42.8
NC-ROY	41.4	43.0	42.5	41.2	42.6	40.5	44.6	42.3
G05-1102 RR	39.5	42.6	41.1	41.0	43.3	40.9	44.3	41.8
G05-1267 RR	39.7	42.2	40.6	41.4	43.6	40.3	43.6	41.6
G05-1496 RR	39.3	42.5	40.8	40.6	43.7	40.3	44.1	41.6
G05-1573 RR	38.6	40.9	40.6	38.4	42.1	39.1	43.6	40.5
G06-16 RR	38.6	41.6	40.6	39.8	43.1	42.7	43.3	41.4
N04-9856	40.8	42.8	40.6	42.1	42.4	43.5	42.9	42.2
N04-9646	38.4	42.1	39.7	41.3	42.4	39.9	42.8	40.9
NCC04-14659R	40.0	42.4	40.2	40.2	41.4	40.8	42.4	41.1
NCC04-5307R	40.5	42.9	40.9	43.2	45.5	41.2	43.5	42.5
NCC05-1543	39.8	42.2	40.6	41.3	41.5	39.2	43.2	41.1
NCC05-3616R	40.8	42.9	42.3	41.3	43.9	41.2	43.7	42.3
NCC05-3975R	39.6	40.2	38.7	38.3	41.3	38.1	41.1	39.6
NCC05-4138R	40.8	41.5	40.1	38.6	42.5	38.9	42.6	40.7
R03-1011	40.3	42.7	42.8	42.1	44.4	41.7	42.9	42.4
R03-1250	40.3	41.4	42.5	38.5	39.5	39.7	41.1	40.4
R03-869	41.7	42.0	42.8	42.1	41.9	41.3	42.3	42.0
R04-522	38.4	40.7	40.7	41.0	41.3	38.0	41.7	40.3
R05-138	39.0	40.3	41.0	39.7	41.2	39.3	41.5	40.3
VS07-1022	41.2	43.1	43.0	42.9	42.3	40.5	43.7	42.4
VS07-1023	40.4	44.1	40.6	41.3	44.7	43.2	44.6	42.7
VS07-1024	41.5	44.0	40.7	42.8	43.9	43.1	43.5	42.8
VS07-1025	39.6	43.9	41.5	42.7	45.4	44.0	45.3	43.2
VS07-1026	40.1	43.9	41.0	42.0	46.0	43.7	44.8	43.1
VS07-966	42.0	44.4	42.2	43.7	44.6	45.6	45.1	43.9
TCWN23-578	40.0	42.5	40.8	41.2	42.2	39.6	42.3	41.2

TABLE 57 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008

STRAIN/ VARIETY	BIXBY OK	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	17.8	16.2	16.7	15.2	13.1	15.0	18.2	16.0
BOGGS RR	13.7	14.2	11.0	11.9	8.4	11.3	13.7	12.0
NC-ROY	14.7	15.4	13.1	14.8	10.8	13.8	15.3	14.0
G05-1102 RR	13.8	16.0	13.3	13.6	10.3	14.1	16.5	13.9
G05-1267 RR	14.3	16.6	14.3	14.1	10.3	10.5	15.7	13.7
G05-1496 RR	12.7	14.6	12.2	11.7	8.7	11.0	13.2	12.0
G05-1573 RR	13.2	16.4	13.3	13.3	9.7	10.0	15.2	13.0
G06-16 RR	12.8	16.3	11.6	12.1	8.7	8.5	12.8	11.8
N04-9856	12.4	11.8	11.7	11.5	8.8	11.8	11.6	11.4
N04-9646	15.3	16.5	16.6	14.9	10.4	13.8	14.3	14.5
NCC04-14659R	14.2	13.9	11.8	11.8	8.5	10.7	13.8	12.1
NCC04-5307R	15.1	17.1	15.0	14.3	11.0	10.1	14.6	13.9
NCC05-1543	16.3	17.1	13.2	13.7	11.2	12.0	15.5	14.1
NCC05-3616R	14.6	14.7	14.1	13.4	10.5	10.9	13.9	13.2
NCC05-3975R	14.4	15.0	13.4	12.2	9.3	11.1	13.9	12.8
NCC05-4138R	16.1	15.9	14.9	14.2	10.8	13.9	14.2	14.3
R03-1011	18.8	18.5	18.9	18.2	13.1	14.9	20.2	17.5
R03-1250	16.7	19.9	16.5	15.5	12.6	16.1	17.0	16.3
R03-869	17.6	19.6	14.8	16.8	13.6	12.3	19.2	16.3
R04-522	16.0	16.4	13.6	13.2	11.5	11.4	14.8	13.8
R05-138	15.9	17.5	15.1	14.5	11.3	13.7	16.1	14.9
VS07-1022	18.3	18.8	20.3	22.0	13.9	15.5	20.0	18.4
VS07-1023	15.9	14.5	13.5	13.3	9.1	12.0	14.9	13.3
VS07-1024	15.5	15.2	12.5	13.1	9.1	13.9	14.6	13.4
VS07-1025	15.5	14.9	13.9	13.4	9.5	13.7	14.9	13.7
VS07-1026	15.7	14.9	14.2	13.3	9.1	11.8	14.1	13.3
VS07-966	16.3	15.6	15.8	17.4	11.1	11.1	18.2	15.1
TCWN23-578	16.4	16.0	17.6	15.9	12.2	14.2	18.3	15.8

TABLE 58 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008

STRAIN/ VARIETY	BIXBY OK	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	29	33	26	25	38	42	32	43	33
BOGGS RR	27	36	27	32	39	37	34	39	34
NC-ROY	25	34	27	29	42	38	26	36	32
G05-1102 RR	26	33	24	31	38	43	28	36	32
G05-1267 RR	28	38	26	27	39	36	28	45	33
G05-1496 RR	20	25	23	23	32	34	24	30	26
G05-1573 RR	26	31	25	26	30	36	30	36	30
G06-16 RR	21	36	32	35	44	38	36	44	36
N04-9856	24	37	26	28	39	35	28	32	31
N04-9646	26	34	26	31	36	38	26	30	31
NCC04-14659R	25	40	27	29	41	40	28	40	34
NCC04-5307R	24	28	21	23	32	32	22	28	26
NCC05-1543	22	30	20	24	31	33	18	28	26
NCC05-3616R	26	35	20	29	36	34	20	35	29
NCC05-3975R	15	23	19	22	26	28	10	23	21
NCC05-4138R	16	30	21	28	34	34	16	28	26
R03-1011	29	31	24	29	31	34	28	37	30
R03-1250	25	30	20	23	33	37	32	31	29
R03-869	21	28	20	22	33	37	32	28	28
R04-522	21	29	25	29	32	34	32	34	29
R05-138	16	28	20	25	29	32	30	32	26
VS07-1022	38	63	46	40	56	41	45	53	48
VS07-1023	26	31	21	31	34	38	34	36	31
VS07-1024	29	33	27	32	36	35	34	39	33
VS07-1025	25	33	26	27	38	36	32	39	32
VS07-1026	26	32	26	29	36	36	32	39	32
VS07-966	26	33	29	34	41	40	30	36	33
TCWN23-578	24	36	25	28	37	31	24	31	29

TABLE 59 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008

STRAIN/ VARIETY	BIXBY OK	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	.	1.5	2.0	1.0	2.0	2.0	1.0	1.6
BOGGS RR	1.0	1.8	3.0	1.8	3.5	2.0	4.7	2.5
NC-ROY	1.0	1.8	2.0	1.8	3.0	2.0	1.7	1.9
G05-1102 RR	.	1.5	2.0	1.5	2.0	2.0	1.0	1.7
G05-1267 RR	.	1.5	2.5	1.3	2.0	2.0	2.0	1.9
G05-1496 RR	.	1.5	2.0	1.3	4.0	2.0	2.7	2.2
G05-1573 RR	.	1.8	2.0	2.3	3.0	2.0	4.3	2.6
G06-16 RR	1.0	2.0	3.5	3.0	3.0	2.0	4.3	2.7
N04-9856	.	2.0	2.5	2.3	3.0	2.0	1.5	2.2
N04-9646	1.0	2.0	3.0	3.0	3.0	2.0	3.0	2.4
NCC04-14659R	.	1.8	2.5	1.5	2.5	2.0	1.0	1.9
NCC04-5307R	.	1.5	2.0	1.3	3.0	2.0	.	2.0
NCC05-1543	.	1.8	2.0	1.3	3.0	2.0	1.0	1.8
NCC05-3616R	1.0	1.5	1.5	1.5	2.5	2.0	2.0	1.7
NCC05-3975R	.	1.3	1.5	0.8	1.5	1.0	.	1.2
NCC05-4138R	1.0	1.5	2.0	1.5	2.5	2.0	2.0	1.8
R03-1011	.	1.5	2.5	1.3	3.0	2.0	3.7	2.3
R03-1250	.	1.3	1.0	1.0	2.0	2.0	.	1.5
R03-869	.	1.5	1.5	1.3	2.5	2.0	1.0	1.6
R04-522	.	1.8	3.0	2.5	3.0	2.0	3.0	2.5
R05-138	.	1.5	1.5	1.0	2.5	2.0	1.0	1.6
VS07-1022	2.0	2.5	4.0	4.5	3.0	5.0	4.0	3.6
VS07-1023	1.0	2.0	2.5	1.8	3.5	3.0	5.0	2.7
VS07-1024	1.0	1.8	3.0	1.8	3.5	2.0	5.0	2.6
VS07-1025	.	2.0	3.0	1.3	3.5	2.0	5.0	2.8
VS07-1026	.	2.0	2.5	1.5	4.0	2.0	4.7	2.8
VS07-966	.	2.0	3.0	2.5	3.0	2.0	1.7	2.4
TCWN23-578	1.0	2.0	3.0	1.8	2.5	2.0	.	2.0



TABLE 60 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2008

STRAIN/ VARIETY	KINSTON NC(B)	PETERSBURG VA	PINE TREE AR	ROHWER AR	STONEVILLE MS	TALLASSEE AL(A)	MEAN
DILLON	2.0	1.0	0.5	2.3	2.0	2.0	1.6
BOGGS RR	2.3	1.0	0.5	2.3	2.0	2.0	1.7
NC-ROY	1.5	1.0	0.5	2.3	2.0	1.5	1.5
G05-1102 RR	1.0	1.0	0.8	2.5	2.0	2.0	1.5
G05-1267 RR	1.5	1.0	0.5	2.0	2.0	2.0	1.5
G05-1496 RR	1.5	1.5	1.0	2.8	2.0	1.5	1.7
G05-1573 RR	1.3	1.0	1.0	2.8	2.0	2.5	1.8
G06-16 RR	1.5	1.0	1.0	2.8	2.0	1.5	1.6
N04-9856	1.0	1.0	0.5	1.8	2.0	1.0	1.2
N04-9646	1.0	1.0	1.3	2.8	2.0	1.5	1.6
NCC04-14659R	1.8	1.0	0.5	2.5	2.0	1.5	1.5
NCC04-5307R	1.3	1.0	1.0	2.3	2.0	1.5	1.5
NCC05-1543	1.5	1.5	0.8	2.5	2.0	1.0	1.5
NCC05-3616R	1.5	1.0	0.8	2.3	2.0	2.0	1.6
NCC05-3975R	1.5	1.0	0.5	2.3	2.0	1.5	1.5
NCC05-4138R	1.5	1.0	0.8	2.0	2.0	1.0	1.4
R03-1011	1.5	1.0	0.8	2.0	2.0	2.0	1.5
R03-1250	1.5	1.0	0.8	1.8	2.0	2.0	1.5
R03-869	1.5	1.0	1.0	2.3	2.0	2.0	1.6
R04-522	1.5	1.5	0.8	1.8	2.0	3.0	1.8
R05-138	1.5	1.0	0.8	2.0	2.0	1.5	1.5
VS07-1022	1.3	1.0	1.5	2.3	2.0	3.0	1.8
VS07-1023	1.8	1.0	0.8	2.8	2.0	2.5	1.8
VS07-1024	2.5	1.0	0.8	2.3	2.0	2.0	1.8
VS07-1025	2.0	1.0	0.8	2.3	2.0	2.0	1.7
VS07-1026	1.5	1.0	0.5	3.0	2.0	1.0	1.5
VS07-966	1.8	1.0	0.8	2.0	2.0	2.5	1.7
TCWN23-578	1.5	1.0	1.0	2.0	2.0	2.5	1.7

## UNIFORM GROUP VII

2008

Uniform Group VII nurseries were planted at 16 locations. Data were obtained from 12 of the locations. The parentage for each strain is reported in Table 61. Table 62 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil and protein percentages, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 63 - 68.

TABLE 61 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AGS758 RR		
2. HASKELL RR	(Johnson x Braxton) x RR	
3. N7002	N7001 x Cook	F4
4. AU02-3104	NC-Raleigh x G92-1110	
5. G03-1187 RR	G95-346 X H7242 RR	F5d
6. G03-1569 RR	G95-346 X H7242 RR	F5d
7. G04-2215 RR	G96-2272 X BENNING-RR	F5d
8. G04-236 RR	SC94-1075 X H7242 RR	F5d
9. G04-2414 RR	G96-2272 X BENNING-RR	F5d
10. N01-11136	NTCPR94-5157 x N96-7031	F4
11. N01-11771	GRAHAM X N96-7031	F4
12. N01-11777	Graham x N96-7031	F4
13. N02-7084	Cook x Anand	F4
14. N05-7281	N96-6809 x N98-7265	F4
15. N05-7452	N7002 x 5601T	F4
16. N05-7462	5601T x N96-6809	F4
17. NCC04-14762	TN96-58 x N94-552 RR, BC1F1	F4:9
18. NCC04-624	N97-61 x TN96-64	F4:9
19. SC02-208RR	SANTEE/[SC92-2482(2)/{HAGOOD(2)/BC1RESNIKRR}]	F5
20. SC03-153RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
21. SC03-172RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
22. SC04-375RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
23. SC04-386RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
24. SC04-417RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5

**TABLE 62 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2008	07-08	06-08	2008	07-08	06-08	2008	07-08	06-08
AGS758 RR	14	15	46.0	25.8	.	41.8	21.8	.	19.1	43.6	.
HASKELL RR	20	15	44.6	41.2	44.1	41.5	40.5	40.4	20.0	20.8	20.3
N7002	9	11	47.8	43.9	47.4	42.5	41.2	41.4	19.3	20.1	19.7
AU02-3104	4	9	50.3	.	.	39.5	.	.	20.2	.	.
G03-1187 RR	13	15	46.1	42.8	.	41.4	40.3	.	20.0	20.9	.
G03-1569 RR	22	17	44.0	41.3	.	41.8	40.9	.	19.4	20.3	.
G04-2215 RR	11	13	47.0	.	.	39.7	.	.	19.9	.	.
G04-236 RR	21	17	44.4	42.1	.	41.2	40.1	.	20.0	21.5	.
G04-2414 RR	17	16	45.4	.	.	42.1	.	.	19.3	.	.
N01-11136	24	18	42.0	40.7	44.3	41.9	40.1	40.4	20.4	20.9	20.3
N01-11771	23	16	42.3	42.2	.	41.1	39.7	.	20.1	20.9	.
N01-11777	18	13	45.0	41.5	44.7	41.5	39.4	39.6	20.2	21.0	20.3
N02-7084	10	13	47.7	45.6	49.1	41.7	40.0	40.1	20.5	21.2	20.7
N05-7281	12	14	46.2	.	.	41.1	.	.	20.9	.	.
N05-7452	1	7	51.0	.	.	41.8	.	.	19.8	.	.
N05-7462	2	5	50.9	.	.	40.2	.	.	21.2	.	.
NCC04-14762	5	9	49.0	.	.	42.5	.	.	19.8	.	.
NCC04-624	7	9	48.5	.	.	41.4	.	.	20.3	.	.
SC02-208RR	15	14	46.0	43.0	45.5	42.6	41.5	41.9	20.5	21.1	20.5
SC03-153RR	16	15	45.8	43.2	.	41.4	40.6	.	18.9	20.2	.
SC03-172RR	19	17	44.8	41.5	.	42.8	42.2	.	19.2	20.1	.
SC04-375RR	3	7	50.6	.	.	41.7	.	.	20.1	.	.
SC04-386RR	6	9	49.0	.	.	40.5	.	.	21.5	.	.
SC04-417RR	8	10	48.1	.	.	41.3	.	.	21.1	.	.

❖Data not included in mean ~ 2008 - Bossier City, LA; Florence, SC  
2007 - Calhoun, GA; Clemson, SC; Fairhope, AL  
2006 - Bossier City, LA

TABLE 62 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
AGS758 RR	10/23	2.2	36	2.0	14.3			
HASKELL RR	2+	2.4	38	2.0	16.0			
N7002	3+	1.8	36	2.0	14.5	P	G	T
AU02-3104	6+	2.7	40	2.2	15.1	W	T	
G03-1187 RR	3+	2.1	37	2.1	15.0	P	T	T
G03-1569 RR	4+	2.1	41	1.8	14.5	W	T	T
G04-2215 RR	1+	1.6	30	2.0	12.2	W	T	T
G04-236 RR	1+	2.0	34	1.8	12.2	P	T	T
G04-2414 RR	1+	1.5	33	2.1	13.6	P	T	T
N01-11136	2+	1.8	33	2.3	17.3	P	G	T
N01-11771	3+	2.3	32	2.2	15.3	P	G	
N01-11777	2+	1.7	34	2.0	14.5	P	G	BR
N02-7084	3+	2.4	34	2.6	17.0	P	T	T
N05-7281	2+	1.6	33	1.9	16.5	P	G	
N05-7452	1+	1.6	33	1.8	12.2	P	G	
N05-7462	1+	2.4	37	2.0	16.9	W	G	
NCC04-14762	1+	1.5	33	2.0	15.2	W	G	
NCC04-624	2+	1.4	29	2.0	14.3	P	G	
SC02-208RR	1+	1.5	36	1.9	14.7	W	G	T
SC03-153RR	2+	2.1	35	1.5	14.2	W	T	T
SC03-172RR	4+	1.7	37	1.8	14.9	W	G	T
SC04-375RR	1+	1.9	34	2.0	17.0	W	T	T
SC04-386RR	3+	1.8	34	2.0	14.2	W	G	T
SC04-417RR	0	1.4	35	2.0	15.2	W	T	T

TABLE 62 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS										
	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV G1	SMV G1	SC	SC	SDS
	1.2.5.7	5.7	1.3.5.6.7	GA	GA	G1	SEGREGATION	SEVERE SUSCEPTIBLE	RATING	SCORE	CDX
AGS758 RR	2	1	3	2.0	1.8	S	no	SEVERE	R	1	.
HASKELL RR	5	5	5	2.5	2.0	S	no	no	R	1	.
N7002	4	5	4	4.8	2.0	R	no	no	S	5	.
AU02-3104	5	1	4	4.3	4.0	S	no	no	MR	2	.
G03-1187 RR	4	1	4	2.3	1.5	S	no	no	R	1	.
G03-1569 RR	4	1	4	4.8	1.3	R	no	no	SS	3	.
G04-2215 RR	4	2	4	4.0	2.0	R	no	no	R	1	.
G04-236 RR	5	1	3	4.8	1.0	R	no	no	S	5	.
G04-2414 RR	5	1	4	4.3	1.0	R	no	no	R	1	.
N01-11136	5	5	4	5.0	5.0	R	no	no	MR	2	.
N01-11771	5	5	4	5.0	5.0	R	no	no	R	1	.
N01-11777	5	5	4	4.8	5.0	R	no	no	R	1	.
N02-7084	1	4	1	5.0	4.5		no	no	S	5	.
N05-7281	5	5	3	5.0	5.0	R	no	no	S	5	.
N05-7452	5	5	4	5.0	1.8		no	no	S	5	.
N05-7462	5	5	3	5.0	4.5	R	no	no	S	5	.
NCC04-14762	5	5	3	5.0	5.0	R	no	no	R	1	.
NCC04-624	5	5	4	5.0	5.0	R	no	no	R	1	.
SC02-208RR	5	1	3	4.5	1.5	R	no	no	R	1	.
SC03-153RR	4	1	4	4.5	1.5	R	no	no	R	1	.
SC03-172RR	5	1	4	4.8	3.0	R	no	no	MR	2	.
SC04-375RR	5	5	4	5.0	5.0	R	no	no	R	1	.
SC04-386RR	5	5	5	4.8	2.8	R	no	no	R	1	.
SC04-417RR	5	4	3	4.5	3.3	R	no	no	R	1	.

**TABLE 63 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008**

STRAIN VARIETY	EAST		MEAN
	KINSTON NC(A)	PLYMOUTH NC(A)	
AGS758 RR	41.5	43.8	42.6
HASKELL RR	45.6	46.3	46.0
N7002	42.7	46.3	44.5
AU02-3104	41.1	48.5	44.8
G03-1187 RR	49.0	42.5	45.8
G03-1569 RR	37.1	42.5	39.8
G04-2215 RR	41.3	49.8	45.5
G04-236 RR	37.1	38.9	38.0
G04-2414 RR	36.1	42.6	39.3
N01-11136	35.6	44.7	40.1
N01-11771	41.7	46.3	44.0
N01-11777	42.3	45.5	43.9
N02-7084	43.0	42.2	42.6
N05-7281	43.1	45.8	44.4
N05-7452	42.7	50.3	46.5
N05-7462	44.0	51.1	47.6
NCC04-14762	41.9	50.5	46.2
NCC04-624	39.0	52.1	45.6
SC02-208RR	44.1	42.5	43.3
SC03-153RR	43.4	48.2	45.8
SC03-172RR	41.7	44.3	43.0
SC04-375RR	47.8	51.0	49.4
SC04-386RR	45.4	51.6	48.5
SC04-417RR	44.4	50.7	47.6
LOCATION MEANS	42.2	46.6	44.4
L.S.D. (0.05)	6.6	7.7	5.7
C.V. (%)	9.1	10.1	10.0

TABLE 63 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	44.1	40.5	45.9	53.0	39.7	51.2	46.9	47.8	57.2	46.9
HASKELL RR	44.3	44.9	40.1	45.4	43.0	46.4	37.7	44.1	54.4	44.2
N7002	53.2	44.6	47.7	53.5	42.8	40.4	42.8	50.3	53.6	48.6
AU02-3104	54.2	45.2	54.6	49.7	41.6	43.2	50.0	56.4	61.3	51.6
G03-1187 RR	42.3	44.0	43.1	44.1	40.9	54.1	46.1	48.6	59.9	46.1
G03-1569 RR	46.7	40.0	45.6	44.1	33.7	41.5	46.6	45.9	58.1	45.1
G04-2215 RR	40.0	36.4	49.5	53.4	41.8	45.3	50.1	45.8	62.3	47.4
G04-236 RR	36.3	43.1	45.6	59.4	32.0	47.7	48.0	50.5	52.9	46.0
G04-2414 RR	44.8	40.4	43.9	51.3	41.1	49.1	45.7	47.6	60.0	46.9
N01-11136	44.7	42.2	41.5	48.1	42.6	37.1	48.3	26.1	46.7	42.5
N01-11771	50.2	45.9	51.4	31.8	38.3	27.8	47.4	40.0	29.9	41.9
N01-11777	54.4	43.8	52.7	37.3	46.4	40.6	50.9	42.8	34.1	45.3
N02-7084	45.1	45.8	44.7	56.2	39.9	52.3	60.0	44.9	55.5	49.0
N05-7281	46.0	46.2	55.4	44.8	40.4	37.9	44.0	46.3	50.4	46.7
N05-7452	48.2	51.0	52.9	50.1	45.9	45.7	51.7	49.6	67.7	52.1
N05-7462	55.3	50.2	49.2	48.0	44.5	43.4	54.6	53.7	58.3	51.7
NCC04-14762	50.7	51.0	55.4	50.7	43.8	39.1	52.4	41.6	52.2	49.7
NCC04-624	46.6	46.5	56.8	45.4	43.8	41.0	50.8	45.8	57.8	49.2
SC02-208RR	48.7	43.5	47.4	47.1	30.8	48.0	45.8	53.6	56.8	46.7
SC03-153RR	43.6	43.7	45.6	45.2	39.0	42.4	45.2	50.1	53.6	45.7
SC03-172RR	44.2	45.5	47.4	44.7	39.5	45.3	44.1	42.0	54.8	45.3
SC04-375RR	58.1	47.8	55.8	39.6	41.8	23.7	57.9	49.7	56.4	50.9
SC04-386RR	49.6	47.3	54.6	44.7	36.1	46.5	53.2	53.2	54.2	49.1
SC04-417RR	45.6	48.5	56.9	42.3	37.1	46.0	48.8	47.9	59.1	48.3
LOCATION MEANS	47.4	44.9	49.3	47.1	40.3	43.2	48.7	46.8	54.5	47.4
L.S.D. (0.05)	7.8	7.4	7.6	8.7	3.5	11.8	5.4	9.5	9.0	4.4
C.V. (%)	10.0	10.0	9.4	11.0	5.3	16.6	6.8	12.4	9.8	12.4

❖Data not included in mean.



TABLE 63 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY❖ LA
AGS758 RR	28.5
HASKELL RR	26.1
N7002	33.8
AU02-3104	45.8
G03-1187 RR	13.4
G03-1569 RR	11.1
G04-2215 RR	27.4
G04-236 RR	28.0
G04-2414 RR	27.8
N01-11136	41.8
N01-11771	37.8
N01-11777	34.1
N02-7084	34.1
N05-7281	26.9
N05-7452	35.8
N05-7462	31.1
NCC04-14762	25.8
NCC04-624	16.3
SC02-208RR	34.5
SC03-153RR	34.9
SC03-172RR	27.6
SC04-375RR	15.1
SC04-386RR	31.1
SC04-417RR	16.5
LOCATION MEANS	28.6
L.S.D. (0.05)	12.8
C.V. (%)	27.3

❖Data not included in mean.

TABLE 64 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008

## OIL PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE ❖ SC	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	.	.	.	19.2	20.2	18.9	.	18.5	19.7	.	19.1
HASKELL RR	.	.	.	20.2	20.8	20.1	.	21.0	18.7	.	20.0
N7002	.	.	.	20.7	20.2	19.5	.	18.1	18.7	.	19.3
AU02-3104	.	.	.	20.5	20.6	18.9	.	21.3	20.0	.	20.2
G03-1187 RR	.	.	.	20.4	20.8	21.7	.	18.5	19.5	.	20.0
G03-1569 RR	.	.	.	19.5	19.9	19.7	.	18.9	19.3	.	19.4
G04-2215 RR	.	.	.	20.4	20.8	19.1	.	20.3	19.6	.	19.9
G04-236 RR	.	.	.	20.2	19.4	20.3	.	19.8	19.5	.	20.0
G04-2414 RR	.	.	.	19.7	19.8	19.5	.	19.1	18.9	.	19.3
N01-11136	.	.	.	20.5	20.1	21.6	.	19.2	20.4	.	20.4
N01-11771	.	.	.	21.2	20.2	19.3	.	19.4	20.5	.	20.1
N01-11777	.	.	.	20.8	20.0	19.6	.	20.2	20.3	.	20.2
N02-7084	.	.	.	21.1	20.6	20.3	.	21.0	19.4	.	20.5
N05-7281	.	.	.	21.2	22.2	20.7	.	20.6	20.9	.	20.9
N05-7452	.	.	.	20.2	19.5	19.8	.	19.6	19.5	.	19.8
N05-7462	.	.	.	21.9	21.2	21.4	.	20.7	20.9	.	21.2
NCC04-14762	.	.	.	19.3	19.9	20.4	.	20.0	19.3	.	19.8
NCC04-624	.	.	.	20.0	20.8	20.6	.	20.9	19.6	.	20.3
SC02-208RR	.	.	.	19.4	19.8	20.8	.	21.6	20.0	.	20.5
SC03-153RR	.	.	.	19.8	19.5	18.2	.	18.5	18.9	.	18.9
SC03-172RR	.	.	.	19.9	18.7	18.0	.	20.2	18.8	.	19.2
SC04-375RR	.	.	.	20.6	20.6	20.5	.	20.3	19.1	.	20.1
SC04-386RR	.	.	.	21.4	21.6	21.7	.	21.6	21.4	.	21.5
SC04-417RR	.	.	.	20.3	21.7	21.8	.	21.1	21.0	.	21.1

❖Data not included in mean.

TABLE 64 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	.	.	.	43.1	42.3	40.4	.	40.7	43.1	.	41.8
HASKELL RR	.	.	.	41.5	38.7	40.4	.	41.0	43.1	.	41.5
N7002	.	.	.	42.0	40.3	41.0	.	42.8	44.0	.	42.5
AU02-3104	.	.	.	39.6	38.9	37.7	.	40.2	40.3	.	39.5
G03-1187 RR	.	.	.	40.8	40.2	41.7	.	41.5	41.7	.	41.4
G03-1569 RR	.	.	.	41.8	40.1	41.9	.	41.3	42.2	.	41.8
G04-2215 RR	.	.	.	39.8	38.1	39.5	.	37.9	41.5	.	39.7
G04-236 RR	.	.	.	41.5	41.5	39.5	.	40.6	43.0	.	41.2
G04-2414 RR	.	.	.	42.6	40.2	41.0	.	40.6	44.1	.	42.1
N01-11136	.	.	.	41.8	41.4	41.0	.	41.8	43.1	.	41.9
N01-11771	.	.	.	41.2	40.2	41.0	.	40.8	41.3	.	41.1
N01-11777	.	.	.	42.5	41.3	41.1	.	40.1	42.2	.	41.5
N02-7084	.	.	.	41.7	41.7	40.8	.	41.5	42.7	.	41.7
N05-7281	.	.	.	41.2	38.8	40.6	.	40.7	41.8	.	41.1
N05-7452	.	.	.	42.0	42.5	40.9	.	40.7	43.6	.	41.8
N05-7462	.	.	.	40.7	41.2	39.3	.	39.3	41.5	.	40.2
NCC04-14762	.	.	.	43.1	41.5	41.1	.	42.0	43.6	.	42.5
NCC04-624	.	.	.	42.3	39.5	39.6	.	39.9	43.9	.	41.4
SC02-208RR	.	.	.	43.3	41.6	41.9	.	42.4	42.7	.	42.6
SC03-153RR	.	.	.	40.7	39.6	41.2	.	40.7	42.8	.	41.4
SC03-172RR	.	.	.	42.6	42.8	42.9	.	41.6	43.9	.	42.8
SC04-375RR	.	.	.	41.8	39.0	41.4	.	40.8	42.7	.	41.7
SC04-386RR	.	.	.	40.3	39.1	41.5	.	38.8	41.5	.	40.5
SC04-417RR	.	.	.	42.2	40.8	40.9	.	39.8	42.1	.	41.3

❖Data not included in mean.

TABLE 64 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED										
	ATHENS GA(A)	ATHENS GA(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	14.3	13.8	13.7	15.9	18.0	13.7	12.9	13.3	14.0	16.9	14.3
HASKELL RR	16.1	16.6	15.2	17.0	17.4	16.3	13.7	16.7	15.9	16.6	16.0
N7002	15.0	16.3	15.0	14.8	13.6	14.6	12.5	13.3	13.9	14.9	14.5
AU02-3104	16.5	16.8	14.5	15.1	13.9	14.0	13.4	14.7	14.7	16.6	15.1
G03-1187 RR	15.4	17.3	13.4	15.1	12.0	14.3	13.2	15.4	14.8	16.2	15.0
G03-1569 RR	14.8	16.9	13.4	14.7	14.4	15.1	12.2	14.5	14.1	14.4	14.5
G04-2215 RR	12.3	13.0	11.3	12.2	13.9	12.7	10.3	12.7	12.1	13.0	12.2
G04-236 RR	12.0	14.3	11.1	11.7	13.4	12.0	11.0	12.4	12.3	12.8	12.2
G04-2414 RR	14.0	14.3	13.5	15.8	13.7	12.8	11.6	12.7	13.5	14.5	13.6
N01-11136	18.5	20.0	17.0	17.5	16.1	17.4	14.8	17.5	15.0	17.8	17.3
N01-11771	15.9	16.5	15.9	15.8	13.5	14.9	13.6	14.7	13.8	16.5	15.3
N01-11777	16.0	16.2	14.0	15.8	12.2	13.1	12.4	14.3	13.5	14.9	14.5
N02-7084	17.7	16.6	18.0	17.5	15.5	16.1	16.1	15.7	17.7	17.5	17.0
N05-7281	17.1	17.7	15.6	16.8	14.7	16.5	15.4	16.0	15.7	17.6	16.5
N05-7452	12.9	13.2	11.3	12.7	13.1	11.3	11.3	11.3	11.1	14.4	12.2
N05-7462	17.8	18.7	17.3	16.4	14.7	15.4	16.5	16.6	16.0	17.7	16.9
NCC04-14762	15.8	14.8	14.5	16.2	14.4	13.9	15.1	15.9	14.9	16.1	15.2
NCC04-624	15.2	14.5	14.7	16.1	14.0	12.4	12.4	13.8	14.0	15.8	14.3
SC02-208RR	15.9	16.1	13.4	13.5	14.7	14.7	13.6	14.2	14.6	16.1	14.7
SC03-153RR	15.4	16.5	13.5	13.6	12.8	12.8	12.5	14.5	13.8	15.5	14.2
SC03-172RR	16.5	16.5	14.4	14.8	15.1	14.2	12.8	15.2	14.3	15.7	14.9
SC04-375RR	18.1	17.7	16.3	16.8	15.9	15.5	16.7	16.7	16.4	18.5	17.0
SC04-386RR	15.5	15.8	14.0	12.7	14.3	14.4	12.4	13.9	13.4	15.6	14.2
SC04-417RR	16.3	16.5	15.5	13.4	13.6	14.6	13.6	15.3	14.4	16.8	15.2

❖Data not included in mean.

**TABLE 65 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN  
AGS758 RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008**

STRAIN VARIETY	EAST		MEAN
	KINSTON NC(A)	PLYMOUTH NC(A)	
AGS758 RR	11/01	10/21	10/27
HASKELL RR	0	3	1
N7002	2	0	1
AU02-3104	4	8	6
G03-1187 RR	1	0	0
G03-1569 RR	1	8	4
G04-2215 RR	0	0	0
G04-236 RR	0	3	1
G04-2414 RR	0	3	1
N01-11136	2	0	1
N01-11771	2	8	4
N01-11777	1	0	0
N02-7084	1	8	4
N05-7281	2	0	1
N05-7452	2	0	0
N05-7462	2	0	0
CC04-14762	2	0	0
NCC04-624	2	0	0
SC02-208RR	2	0	1
SC03-153RR	0	8	4
SC03-172RR	4	5	4
SC04-375RR	1	5	3
SC04-386RR	2	0	1
SC04-417RR	0	0	0

❖Data not included in mean.

TABLE 65 ~ Continued

STRAIN/ VARIETY	SOUTH									MEAN
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	
AGS758 RR	10/20	10/27	10/24	10/22	10/23	10/23	.	10/17	.	10/22
HASKELL RR	3	3	2	1	-2	2	.	4	.	2
N7002	5	6	6	0	0	-1	.	2	.	3
AU02-3104	8	8	11	2	0	10	.	7	.	6
G03-1187 RR	6	6	5	0	-2	2	.	5	.	4
G03-1569 RR	7	9	2	0	2	5	.	4	.	4
G04-2215 RR	3	7	-1	0	-3	0	.	0	.	1
G04-236 RR	4	6	-1	-1	-6	1	.	2	.	1
G04-2414 RR	-2	-1	0	0	5	2	.	-1	.	0
N01-11136	5	5	2	1	0	2	.	0	.	2
N01-11771	1	3	8	1	-3	-2	.	-1	.	2
N01-11777	6	4	2	1	1	-1	.	2	.	3
N02-7084	3	3	2	1	1	7	.	2	.	2
N05-7281	5	2	1	1	-1	1	.	4	.	2
N05-7452	1	4	0	1	-3	0	.	2	.	1
N05-7462	5	3	2	1	-1	1	.	-4	.	1
NCC04-14762	0	-1	-1	1	1	-2	.	3	.	1
NCC04-624	2	3	2	1	3	3	.	0	.	2
SC02-208RR	6	4	0	0	-4	2	.	2	.	1
SC03-153RR	2	6	2	0	-4	1	.	-2	.	1
SC03-172RR	7	7	2	0	2	7	.	6	.	4
SC04-375RR	1	1	-1	-1	-2	-3	.	-2	.	0
SC04-386RR	7	3	3	0	-1	8	.	6	.	3
SC04-417RR	5	1	-1	0	-3	-1	.	0	.	0

❖Data not included in mean.

TABLE 65 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY❖ LA
AGS758 RR	10/24
HASKELL RR	0
N7002	1
AU02-3104	3
G03-1187 RR	-1
G03-1569 RR	1
G04-2215 RR	2
G04-236 RR	-1
G04-2414 RR	0
N01-11136	0
N01-11771	-1
N01-11777	-1
N02-7084	3
N05-7281	-1
N05-7452	1
N05-7462	0
NCC04-14762	0
NCC04-624	0
SC02-208RR	0
SC03-153RR	0
SC03-172RR	0
SC04-375RR	-1
SC04-386RR	0
SC04-417RR	-3

TABLE 66 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008

STRAIN VARIETY	EAST		MEAN
	KINSTON NC(A)	PLYMOUTH NC(A)	
AGS758 RR	38	39	38
HASKELL RR	41	45	43
N7002	38	41	39
AU02-3104	40	46	43
G03-1187 RR	36	43	39
G03-1569 RR	39	48	44
G04-2215 RR	31	37	34
G04-236 RR	32	39	36
G04-2414 RR	33	37	35
N01-11136	31	41	36
N01-11771	31	40	36
N01-11777	32	40	36
N02-7084	35	41	38
N05-7281	33	38	36
N05-7452	34	39	37
N05-7462	38	45	42
NCC04-14762	33	37	35
NCC04-624	28	33	30
SC02-208RR	35	43	39
SC03-153RR	38	42	40
SC03-172RR	38	41	40
SC04-375RR	33	40	36
SC04-386RR	35	38	37
SC04-417RR	37	41	39



TABLE 66 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	26	25	41	36	39	40	38	38	37	35
HASKELL RR	26	31	39	37	38	41	38	44	41	37
N7002	28	29	37	36	34	37	36	40	36	35
AU02-3104	31	34	41	41	37	42	40	47	39	39
G03-1187 RR	27	27	39	40	38	42	39	44	41	37
G03-1569 RR	30	32	43	40	41	47	41	49	43	40
G04-2215 RR	20	21	33	32	32	35	32	32	31	29
G04-236 RR	21	25	37	34	33	39	39	43	36	34
G04-2414 RR	18	22	38	38	31	37	36	41	36	33
N01-11136	23	27	35	32	28	36	36	38	35	32
N01-11771	23	27	36	33	28	34	35	35	33	31
N01-11777	26	25	37	36	35	33	36	39	34	33
N02-7084	23	28	35	37	32	41	37	35	38	33
N05-7281	25	26	35	34	29	38	34	39	37	32
N05-7452	22	27	37	31	32	35	35	34	34	32
N05-7462	26	30	41	36	33	42	40	43	37	36
NCC04-14762	22	28	38	33	32	36	34	40	33	32
NCC04-624	21	24	31	30	31	27	29	35	27	28
SC02-208RR	24	27	40	36	36	44	41	42	39	36
SC03-153RR	25	28	38	37	33	41	37	38	33	34
SC03-172RR	27	29	41	36	39	44	40	42	38	36
SC04-375RR	23	27	39	32	38	39	36	38	37	34
SC04-386RR	23	26	39	34	36	38	38	39	34	34
SC04-417RR	22	27	41	30	37	34	36	42	34	34

❖Data not included in mean.

TABLE 66 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY❖ LA
AGS758 RR	24
HASKELL RR	27
N7002	22
AU02-3104	29
G03-1187 RR	19
G03-1569 RR	24
G04-2215 RR	24
G04-236 RR	20
G04-2414 RR	19
N01-11136	24
N01-11771	25
N01-11777	23
N02-7084	27
N05-7281	24
N05-7452	24
N05-7462	26
NCC04-14762	22
NCC04-624	17
SC02-208RR	24
SC03-153RR	25
SC03-172RR	27
SC04-375RR	22
SC04-386RR	21
SC04-417RR	20

❖Data not included in mean.

**TABLE 67 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII,  
2008**

STRAIN VARIETY	EAST		MEAN
	KINSTON NC(A)	PLYMOUTH NC(A)	
AGS758 RR	1.8	2.5	2.2
HASKELL RR	2.0	1.8	1.9
N7002	1.3	2.0	1.7
AU02-3104	2.0	2.0	2.0
G03-1187 RR	1.7	2.3	2.0
G03-1569 RR	1.7	2.3	2.0
G04-2215 RR	1.3	2.2	1.8
G04-236 RR	1.5	2.0	1.8
G04-2414 RR	1.2	1.8	1.5
N01-11136	1.7	1.8	1.8
N01-11771	2.0	3.2	2.6
N01-11777	1.5	2.5	2.0
N02-7084	1.7	2.2	1.9
N05-7281	1.5	2.2	1.8
N05-7452	1.3	2.2	1.8
N05-7462	2.0	2.2	2.1
NCC04-14762	1.7	2.0	1.8
NCC04-624	1.5	1.7	1.6
SC02-208RR	1.3	1.8	1.6
SC03-153RR	1.5	2.2	1.8
SC03-172RR	1.5	1.7	1.6
SC04-375RR	1.5	3.3	2.4
SC04-386RR	1.8	1.5	1.7
SC04-417RR	1.7	2.0	1.8

TABLE 67 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(B)	CALHOUN GA	FAIRHOPE AL	FLORENCE❖ SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	1.0	1.0	3.3	2.0	3.7	2.3	1.7	3.3	1.7	2.2
HASKELL RR	1.0	1.0	4.0	2.8	3.3	2.0	1.0	4.0	3.0	2.5
N7002	1.0	1.0	3.3	1.5	3.3	2.0	1.0	2.0	1.7	1.9
AU02-3104	1.7	1.7	3.3	3.8	4.0	2.7	2.0	3.3	3.0	2.9
G03-1187 RR	1.0	1.0	3.7	1.5	3.3	2.0	1.0	2.7	2.7	2.1
G03-1569 RR	1.3	1.0	3.0	1.5	3.3	2.0	1.3	3.3	2.0	2.1
G04-2215 RR	1.0	1.0	1.7	1.3	3.3	1.7	1.0	2.3	1.0	1.6
G04-236 RR	1.0	1.0	2.7	2.0	3.3	1.7	1.3	3.0	2.0	2.0
G04-2414 RR	1.0	1.0	2.3	1.5	2.7	1.7	1.0	1.3	1.0	1.5
N01-11136	1.0	1.0	3.0	1.5	2.7	2.3	1.3	2.3	1.7	1.8
N01-11771	1.3	1.3	3.3	2.7	3.0	2.7	2.0	1.7	2.0	2.2
N01-11777	1.3	1.0	2.3	1.5	2.7	1.7	1.0	1.7	1.7	1.6
N02-7084	1.0	1.0	3.7	1.7	3.7	2.3	2.0	3.7	3.3	2.5
N05-7281	1.0	1.0	2.3	1.2	3.0	1.7	1.0	1.7	1.0	1.5
N05-7452	1.0	1.0	2.7	1.7	2.0	2.0	1.0	1.3	1.3	1.5
N05-7462	1.3	1.3	3.7	2.0	3.7	2.3	2.0	3.0	2.7	2.5
NCC04-14762	1.0	1.0	2.7	1.3	2.0	2.3	1.0	1.0	1.3	1.4
NCC04-624	1.0	1.0	2.0	1.0	2.0	1.3	1.0	1.3	1.0	1.3
SC02-208RR	1.0	1.0	2.3	1.7	2.3	2.0	1.0	1.3	1.0	1.5
SC03-153RR	1.0	1.0	3.0	1.5	3.3	2.0	1.3	2.7	3.0	2.1
SC03-172RR	1.0	1.0	3.0	1.7	2.3	2.3	1.0	1.7	2.0	1.7
SC04-375RR	1.0	1.0	2.7	2.0	2.7	1.7	1.0	2.3	1.7	1.8
SC04-386RR	1.0	1.0	2.7	1.2	3.0	2.3	1.0	2.3	2.7	1.9
SC04-417RR	1.0	1.0	2.0	1.2	2.0	1.0	1.0	0.7	1.0	1.2

❖Data not included in mean.

TABLE 67 ~ Continued

STRAIN/ VARIETY	WEST	
	BOSSIER CITY❖	LA
AGS758 RR		1.0
HASKELL RR		1.3
N7002		1.0
AU02-3104		1.0
G03-1187 RR		1.0
G03-1569 RR		1.3
G04-2215 RR		1.0
G04-236 RR		1.0
G04-2414 RR		1.0
N01-11136		1.0
N01-11771		1.0
N01-11777		1.0
N02-7084		1.0
N05-7281		1.0
N05-7452		1.0
N05-7462		1.0
NCC04-14762		1.0
NCC04-624		1.3
SC02-208RR		1.0
SC03-153RR		1.0
SC03-172RR		1.0
SC04-375RR		1.0
SC04-386RR		1.0
SC04-417RR		1.0

❖Data not included in mean.

TABLE 68 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008

## SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	CALHOUN GA	FAIRHOPE AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758 RR	2.5	2.0	1.5	2.0	2.0	2.0	2.2	2.0
HASKELL RR	2.0	1.8	1.5	2.0	2.2	2.0	2.3	2.0
N7002	2.0	2.0	1.5	2.0	2.2	2.0	2.2	2.0
AU02-3104	2.5	2.5	1.5	2.5	2.2	2.0	2.2	2.2
G03-1187 RR	2.5	2.5	1.0	2.0	2.2	2.0	2.3	2.1
G03-1569 RR	2.3	2.0	1.5	2.0	2.0	1.0	1.5	1.8
G04-2215 RR	2.0	2.3	1.5	2.0	2.2	2.0	2.0	2.0
G04-236 RR	2.0	2.0	1.5	1.0	2.3	1.5	2.0	1.8
G04-2414 RR	2.2	2.2	1.5	3.0	2.3	1.5	2.2	2.1
N01-11136	2.8	2.5	1.0	3.0	2.3	2.0	2.3	2.3
N01-11771	2.7	2.5	1.5	2.5	2.5	1.5	2.3	2.2
N01-11777	2.3	2.3	1.5	3.0	2.0	1.0	2.2	2.0
N02-7084	2.5	2.3	2.0	3.0	2.5	2.5	3.2	2.6
N05-7281	2.3	2.0	1.5	2.0	2.2	1.0	2.0	1.9
N05-7452	2.0	2.0	1.5	2.0	2.0	1.5	1.8	1.8
N05-7462	2.0	2.2	1.5	2.0	2.0	1.5	2.5	2.0
NCC04-14762	2.2	2.0	1.5	2.5	2.2	2.0	2.0	2.0
NCC04-624	2.3	2.0	1.0	2.5	2.0	2.0	2.3	2.0
SC02-208RR	2.2	2.0	1.0	2.0	2.2	2.0	1.7	1.9
SC03-153RR	1.8	1.5	1.0	1.0	2.2	1.0	2.0	1.5
SC03-172RR	2.2	1.8	1.0	2.0	2.2	1.5	2.0	1.8
SC04-375RR	2.3	2.2	2.0	2.0	2.2	1.0	2.5	2.0
SC04-386RR	2.0	2.0	2.0	2.0	2.0	2.0	1.8	2.0
SC04-417RR	2.2	1.8	1.5	2.5	2.5	1.0	2.2	2.0

## PRELIMINARY GROUP VII

2008

**Preliminary Group VII nurseries were planted at 6 locations. Data were obtained from 5 locations. The parentage for each strain is reported in Table 69. Table 70 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 71 - 77.**

TABLE 69 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AGS758 RR		
2. HASKELL RR	(Johnson x Braxton) x RR	
3. N7002	N7001 x Cook	F4
4. G05-1087 RR	G98-1420 X Benning-RR	F5d
5. G05-1200 RR	G98-1420 X Benning-RR	F5d
6. G05-1445 RR	G98-1053 X Benning-RR	F5d
7. G05-1481 RR	G98-1053 X Benning-RR	F5d
8. G05-1621 RR	G98-1053 X Benning-RR	F5d
9. G05-2324 RR	G98-2641 X Benning-RR	F5d
10. G05-2777 RR	G98-465 X Benning -RR	F5d
11. N7001	N77-114 x PI 416937	F4
12. SC05-573RR	SC00-579/N97-9658	F5
13. SC05-606RR	SC00-579/N97-9658	F5
14. SC05-694RR	SC00-693/SC96-2736	F5
15. N06-7564	NCROY X N8001	F4
16. N05-7396	N7002 x N98-7265	F4
17. N05-7260	N96-6809 x N96-7031	F4
18. N04-9859	N94-7440 X N96-6733	F4
19. N04-8947	N96-6894 X N97-9812	F4
20. N02-8951	N96-6730 X N96-6732	F4
21. N02-7834	Cook x Archer (I)	F4
22. JWB-2400	CNSxFLYER	F5
23. SC05-525RR	SC00-579/DILLON	F5
24. SC05-530RR	SC00-579/DILLON	F5
25. SC05-545RR	SC00-579/DILLON	F5
26. SC05-566RR	SC00-579/DILLON	F5





**TABLE 71 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008**

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	41.5	51.8	45.7	41.0	36.4	43.3
HASKELL RR	46.8	53.2	49.3	28.4-	42.2	44.0
N7002	45.4	55.1	53.7+	33.1-	47.3+	46.9
G05-1087 RR	41.5	48.9	48.3	27.6-	33.6	40.0
G05-1200 RR	44.3	49.4	52.7+	38.5	44.2	45.8
G05-1445 RR	45.0	55.4	44.4	18.0-	34.4	39.4
G05-1481 RR	43.6	51.8	46.0	15.9-	42.3	39.9
G05-1621 RR	42.6	50.4	42.8	11.9-	38.8	37.3
G05-2324 RR	42.6	55.5	48.0	12.3-	49.9+	41.7
G05-2777 RR	36.5	50.5	39.7-	21.7-	38.5	37.4
N7001	36.3	54.6	42.4	27.7-	44.1	41.0
SC05-573RR	36.6	55.9	44.6	23.3-	40.4	40.1
SC05-606RR	40.0	50.0	44.0	21.6-	42.9	39.7
SC05-694RR	38.6	48.3	38.0-	16.7-	33.7	35.0-
N06-7564	41.1	62.4+	51.7+	45.5	44.5	49.1
N05-7396	46.8	58.2+	51.4+	21.8-	46.7+	45.0
N05-7260	44.0	45.1-	44.7	25.3-	42.2	40.3
N04-9859	45.3	53.3	47.4	25.4-	38.9	42.1
N04-8947	41.9	48.9	41.4	31.4-	42.3	41.2
N02-8951	38.0	47.6	48.8	34.0-	21.2-	37.9
N02-7834	44.4	55.2	47.8	35.6-	42.3	45.1
JWB-2400	40.3	48.3	35.4-	11.9-	37.6	34.7-
SC05-525RR	39.1	49.2	40.8	7.9-	37.9	35.0-
SC05-530RR	36.4	45.7-	38.4-	7.8-	37.2	33.1-
SC05-545RR	35.2	48.5	44.7	18.5-	44.0	38.2
SC05-566RR	36.7	46.7	41.8	15.1-	38.3	35.7-
LOCATION MEAN	41.2	51.5	45.2	23.8	40.1	40.3
L.S.D. (0.05)	7.6	5.7	5.5	4.5	8.9	6.5
C.V. (%)	10.9	6.7	7.4	11.6	13.5	12.8

**TABLE 72 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008**

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	18.7	18.1	19.0	18.8	19.0	18.7
HASKELL RR	19.6	19.3	19.6	20.6	18.3	19.5
N7002	19.3	19.9	18.9	19.8	19.0	19.4
G05-1087 RR	20.1	20.7	21.1	18.3	19.3	19.9
G05-1200 RR	22.1	19.4	20.5	20.5	19.9	20.5
G05-1445 RR	21.3	20.3	21.3	17.2	19.9	20.0
G05-1481 RR	20.5	18.4	18.7	16.9	17.1	18.3
G05-1621 RR	19.5	19.6	18.8	19.1	19.7	19.3
G05-2324 RR	19.9	20.5	19.6	16.3	19.7	19.2
G05-2777 RR	21.0	19.9	19.6	18.1	19.1	19.5
N7001	20.5	20.6	20.6	20.1	19.8	20.3
SC05-573RR	20.9	19.7	17.7	18.1	18.3	18.9
SC05-606RR	19.8	20.7	19.3	19.0	19.3	19.6
SC05-694RR	18.2	19.5	17.4	18.7	18.2	18.4
N06-7564	18.4	19.4	20.2	19.0	18.6	19.1
N05-7396	20.6	20.8	20.6	20.4	20.1	20.5
N05-7260	20.7	20.7	21.6	20.0	21.1	20.8
N04-9859	21.2	19.3	19.6	18.7	19.1	19.6
N04-8947	21.8	22.1	21.6	21.7	20.7	21.6
N02-8951	19.9	20.5	19.1	19.6	18.8	19.6
N02-7834	19.4	20.1	18.9	20.0	19.2	19.5
JWB-2400	19.3	19.5	20.1	16.8	19.9	19.1
SC05-525RR	19.1	19.0	18.5	17.1	19.0	18.5
SC05-530RR	19.9	18.8	19.1	.	18.6	19.1
SC05-545RR	20.8	19.1	19.6	19.3	19.3	19.6
SC05-566RR	18.3	18.8	18.6	16.9	18.0	18.1

**TABLE 73 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008**

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	42.4	43.0	41.6	41.3	43.1	42.3
HASKELL RR	41.3	42.7	40.6	40.8	43.7	41.8
N7002	42.2	41.4	41.9	40.9	43.5	42.0
G05-1087 RR	41.1	41.6	40.2	43.3	43.9	42.0
G05-1200 RR	42.6	43.2	40.7	41.9	43.4	42.4
G05-1445 RR	41.4	41.7	42.2	44.1	43.4	42.6
G05-1481 RR	41.7	43.3	42.0	44.2	45.0	43.2
G05-1621 RR	42.4	42.7	43.3	43.5	43.0	43.0
G05-2324 RR	40.8	41.7	41.1	46.0	43.2	42.6
G05-2777 RR	41.8	41.8	40.4	43.0	43.0	42.0
N7001	40.3	40.7	39.6	41.3	42.1	40.8
SC05-573RR	42.0	42.2	43.8	43.1	43.7	43.0
SC05-606RR	42.0	42.0	42.0	42.7	42.8	42.3
SC05-694RR	41.5	43.2	43.8	43.7	44.4	43.3
N06-7564	43.0	42.2	41.4	42.2	44.4	42.6
N05-7396	42.5	42.3	41.2	42.2	43.8	42.4
N05-7260	40.7	41.0	38.2	41.8	41.3	40.6
N04-9859	41.1	42.5	42.0	43.1	44.3	42.6
N04-8947	41.9	39.2	37.7	39.6	41.5	40.0
N02-8951	41.6	42.5	42.2	42.5	44.8	42.7
N02-7834	42.8	41.8	42.9	41.5	44.3	42.7
JWB-2400	41.9	43.0	42.5	46.5	43.2	43.4
SC05-525RR	41.2	42.7	41.4	44.1	43.1	42.5
SC05-530RR	40.8	42.3	40.8	.	42.9	41.7
SC05-545RR	41.8	42.7	41.2	42.0	43.2	42.2
SC05-566RR	42.6	43.7	42.8	45.8	45.5	44.1

TABLE 74 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	15.3	13.8	13.3	10.1	15.9	13.7
HASKELL RR	18.2	15.5	16.3	12.6	14.0	15.3
N7002	14.9	13.0	13.2	12.9	14.1	13.6
G05-1087 RR	16.6	14.1	13.7	10.4	14.5	13.9
G05-1200 RR	14.6	12.9	12.8	11.7	14.4	13.3
G05-1445 RR	16.6	15.1	14.6	12.7	16.4	15.1
G05-1481 RR	14.7	13.4	13.5	10.1	12.8	12.9
G05-1621 RR	14.0	11.8	12.4	11.1	12.4	12.3
G05-2324 RR	16.6	14.4	14.8	8.8	15.0	13.9
G05-2777 RR	14.1	11.9	12.7	10.2	13.0	12.4
N7001	16.9	14.3	15.6	11.1	14.3	14.4
SC05-573RR	15.0	15.4	14.1	9.6	13.6	13.6
SC05-606RR	16.3	14.7	14.7	12.8	14.4	14.6
SC05-694RR	18.1	14.3	15.2	11.8	15.8	15.1
N06-7564	16.0	15.3	15.7	12.9	14.5	14.9
N05-7396	16.1	14.9	15.3	12.6	14.5	14.7
N05-7260	14.5	12.6	14.1	11.8	13.0	13.2
N04-9859	13.7	13.1	13.4	11.3	11.9	12.7
N04-8947	16.5	14.9	14.2	14.1	13.7	14.7
N02-8951	20.4	17.0	19.2	13.5	16.8	17.4
N02-7834	19.0	16.9	15.8	14.3	15.8	16.4
JWB-2400	15.8	13.2	15.2	12.2	13.2	13.9
SC05-525RR	16.7	12.8	15.0	12.8	13.9	14.2
SC05-530RR	15.3	11.7	14.5	12.5	12.5	13.3
SC05-545RR	15.6	12.7	14.7	13.5	13.4	14.0
SC05-566RR	16.0	14.1	15.4	11.3	15.1	14.4

**TABLE 75 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII,  
2008**

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	39	42	39	36	40	39
HASKELL RR	39	41	47	36	39	41
N7002	37	39	46	36	36	39
G05-1087 RR	42	44	43	42	36	41
G05-1200 RR	36	37	38	42	35	38
G05-1445 RR	36	39	42	38	34	38
G05-1481 RR	34	39	41	36	32	36
G05-1621 RR	39	39	45	34	37	39
G05-2324 RR	43	47	48	36	45	44
G05-2777 RR	42	44	47	36	41	42
N7001	31	36	37	40	37	36
SC05-573RR	38	43	47	36	42	41
SC05-606RR	39	41	48	34	39	40
SC05-694RR	42	46	51	51	40	46
N06-7564	33	40	43	36	36	38
N05-7396	35	44	45	42	37	41
N05-7260	31	37	38	34	32	34
N04-9859	29	37	41	36	31	35
N04-8947	31	39	38	30	31	34
N02-8951	30	36	37	28	25	31
N02-7834	31	38	37	28	33	33
JWB-2400	31	35	41	26	29	32
SC05-525RR	41	47	52	48	44	46
SC05-530RR	41	47	54	42	48	46
SC05-545RR	49	50	51	48	47	49
SC05-566RR	46	49	52	48	46	48

**TABLE 76 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008**

STRAIN/ VARIETY	KINSTON NC(A)	PLAINS GA	PLYMOUTH NC(A)	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	2.0	2.0	2.8	3.0	3.7	2.7
HASKELL RR	2.8	2.0	2.8	3.0	2.7	2.7
N7002	2.2	2.0	2.0	3.0	1.7	2.2
G05-1087 RR	1.8	1.0	2.5	3.0	2.0	2.1
G05-1200 RR	1.3	1.0	1.7	3.0	1.0	1.6
G05-1445 RR	2.3	2.0	3.2	2.0	4.0	2.7
G05-1481 RR	1.2	1.0	2.2	2.0	1.3	1.5
G05-1621 RR	1.7	2.0	3.0	2.0	3.7	2.5
G05-2324 RR	2.0	2.0	2.2	3.0	3.3	2.5
G05-2777 RR	2.0	2.7	3.7	3.0	4.0	3.1
N7001	2.3	2.0	3.0	3.0	2.3	2.5
SC05-573RR	1.7	2.0	2.0	3.0	3.0	2.3
SC05-606RR	2.0	1.7	2.5	3.0	2.0	2.2
SC05-694RR	1.8	2.0	1.7	4.0	3.3	2.6
N06-7564	1.8	2.0	2.7	4.0	1.7	2.4
N05-7396	1.7	1.7	2.0	4.0	2.3	2.3
N05-7260	1.8	1.7	2.0	3.0	1.0	1.9
N04-9859	1.8	1.0	2.2	2.0	1.0	1.6
N04-8947	2.0	2.3	3.3	2.0	2.0	2.3
N02-8951	2.0	1.0	1.8	2.0	0.0	1.4
N02-7834	1.8	2.0	1.8	2.0	1.7	1.9
JWB-2400	2.0	1.7	3.2	2.0	1.7	2.1
SC05-525RR	2.0	2.0	2.5	5.0	3.0	2.9
SC05-530RR	2.2	2.0	2.5	5.0	3.0	2.9
SC05-545RR	1.8	1.7	1.7	5.0	2.3	2.5
SC05-566RR	1.8	2.0	1.8	3.0	2.7	2.3

**TABLE 77 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2008**

STRAIN/ VARIETY	PLAINS GA	STONEVILLE MS	TALLASSEE AL(A)	MEAN
AGS758 RR	1.5	2.0	1.5	1.7
HASKELL RR	1.7	2.0	2.0	1.9
N7002	1.5	2.0	1.5	1.7
G05-1087 RR	1.7	2.0	2.0	1.9
G05-1200 RR	1.5	2.0	1.5	1.7
G05-1445 RR	1.5	2.0	2.0	1.8
G05-1481 RR	1.7	2.0	1.5	1.7
G05-1621 RR	1.5	2.0	1.0	1.5
G05-2324 RR	1.5	2.0	1.5	1.7
G05-2777 RR	1.5	2.0	1.5	1.7
N7001	1.5	2.0	1.5	1.7
SC05-573RR	1.7	2.0	1.5	1.7
SC05-606RR	1.7	2.0	1.5	1.7
SC05-694RR	1.8	2.0	2.0	1.9
N06-7564	1.5	2.0	2.0	1.8
N05-7396	1.5	2.0	1.0	1.5
N05-7260	1.8	2.0	2.0	1.9
N04-9859	2.0	2.0	1.5	1.8
N04-8947	1.5	2.0	1.5	1.7
N02-8951	1.5	2.0	2.0	1.8
N02-7834	1.7	2.0	2.0	1.9
JWB-2400	1.5	2.0	1.5	1.7
SC05-525RR	1.8	2.0	2.0	1.9
SC05-530RR	1.5	2.0	1.0	1.5
SC05-545RR	1.5	2.0	2.0	1.8
SC05-566RR	1.8	2.0	1.5	1.8



**UNIFORM GROUP VIII****2008**

Uniform Group VIII nurseries were planted in 12 locations. Data were obtained from 9 of the locations. The parentage for each strain is reported in Table 78. Table 79 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil and protein percentages, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 80 - 85.

TABLE 78 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. SC01-803RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	F5
2. 97M50	G93-2225(6) X RR	
3. N8001	N7001 x Cook 1	F4
4. AU02-0137	NC-Roy x G92-1110	
5. AU02-2814	NC-Raleigh x G92-1110	
6. AU02-3223	NC-Raleigh x G92-1110	
7. G03-2014 RR	G94-3117 X Boggs RR	F5d
8. G03-2388 RR	G94-3117 X Boggs RR	F5d
9. G04-1618 RR	PRICHARD-RR X SC96-1476	F5d
10. G04-2656 RR	G96-2272 X BENNING-RR	F5d
11. G04-2913 RR	BOGGS-RR X G93-2225	F6d
12. G04-3248 RR	BOGGS-RR X G93-2225	F6d
13. N05-7432	N7002 x N98-7265	F4
14. N01-11424	NTCPR94-5157 X N96-6767	F4
15. N04-8814	N98-7893 x N93-7133	F4
16. SC04-306RR	SC94-1075/SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
17. SC02-134RR	SC92-3091/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
18. SC03-061RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
19. SC03-062RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
20. SC03-168RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5

**TABLE 79 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2008	07-08	06-08	2008	07-08	06-08	2008	07-08	06-08
SC01-803RR	16	14	45.1	45.6	47.2	42.9	42.9	43.1	19.2	20.2	19.7
97M50	13	13	45.8	46.3	48.0	41.9	41.5	41.6	19.3	20.1	19.7
N8001	7	10	46.9	47.1	49.2	41.6	40.4	40.5	20.0	19.9	19.4
AU02-0137	12	11	46.0	.	.	40.4	.	.	19.2	.	.
AU02-2814	1	5	50.4	50.8	52.1	39.5	38.3	38.2	20.8	22.0	21.7
AU02-3223	8	9	46.9	48.0	50.0	40.8	40.1	39.9	19.8	20.8	20.4
G03-2014 RR	19	15	44.5	46.1	.	43.0	42.1	.	19.1	20.0	.
G03-2388 RR	17	13	44.9	46.5	.	42.8	42.5	.	18.9	19.6	.
G04-1618 RR	4	6	48.6	.	.	41.4	.	.	19.8	.	.
G04-2656 RR	11	10	46.0	.	.	41.3	.	.	20.2	.	.
G04-2913 RR	18	13	44.5	.	.	42.4	.	.	18.1	.	.
G04-3248 RR	10	11	46.3	.	.	41.2	.	.	18.4	.	.
N05-7432	2	4	50.2	.	.	41.7	.	.	19.7	.	.
N01-11424	6	10	47.2	45.5	.	41.7	41.3	.	20.4	20.2	.
N04-8814	14	13	45.6	.	.	42.3	.	.	20.7	.	.
SC04-306RR	5	8	47.7	.	.	42.2	.	.	20.2	.	.
SC02-134RR	15	12	45.2	45.0	45.9	43.1	43.5	43.3	19.4	20.4	20.1
SC03-061RR	9	12	46.6	46.5	.	39.5	38.8	.	21.4	22.3	.
SC03-062RR	3	6	49.4	49.6	.	39.6	38.7	.	20.8	21.8	.
SC03-168RR	20	14	43.1	45.1	.	41.4	41.2	.	19.3	20.3	.

❖Data not included in mean:

2007 - Clemson, SC; Tallassee, AL(A); Tallassee, AL(B)  
2006 - Tallassee, AL(B)

TABLE 79 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
SC01-803RR	10/28	1.6	38	1.6	16.0	W	G	T
97M50	1-	2.1	35	1.9	14.4			
N8001	1-	2.6	37	2.0	16.0	P	G	T
AU02-0137	2-	2.1	35	2.1	13.3	P	LT	
AU02-2814	1+	2.2	38	1.9	14.2	W	T	
AU02-3223	1+	2.4	38	2.1	15.4	W	T	
G03-2014 RR	1+	2.7	41	1.8	13.1	W	G	T
G03-2388 RR	3+	3.0	41	2.0	16.0	W	G	T
G04-1618 RR	1-	2.5	34	1.6	13.4	W	G	T
G04-2656 RR	1-	2.4	39	2.2	16.0	W	T	T
G04-2913 RR	1+	2.2	35	1.9	13.3	W	T	T
G04-3248 RR	1+	2.1	35	1.8	12.4	W	T	T
N05-7432	4+	2.2	33	1.9	15.1	P	G	
N01-11424	2+	3.0	32	1.7	16.7	W	G	
N04-8814	3+	2.1	33	1.8	17.3	P	G	
SC04-306RR	2+	1.6	37	2.1	14.8	W	G	T
SC02-134RR	0	2.3	38	1.7	14.8	P	T	T
SC03-061RR	3+	2.4	35	2.2	14.9	W	G	T
SC03-062RR	4+	2.6	35	2.0	14.6	W	G	T
SC03-168RR	2+	2.7	41	1.7	16.7	W	T	T

TABLE 79 ~ Continued

## PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE				SMV G1			SC	SC	SDS
	1.2.5.7	5.7	1.3.5.6.7	PRK	SRK	SMV	SMV G1	SEVERE	RATING	SCORE	CDX	
	2	3	14	GA	GA	G1	SEGREGATION	SUSCEPTIBLE				
SC01-803RR	4	1	4	4.8	2.5	R	no	no	MR	2	.	
97M50	4	1	4	5.0	3.3	R	no	no	MR	2	.	
N8001	4	5	4	4.8	2.8	R	no	no	S	5	.	
AU02-0137	5	5	4	4.0	3.3	S	no	SEVERE	R	1	.	
AU02-2814	4	4	4	5.0	2.8	R	no	no	R	1	.	
AU02-3223	5	3	4	4.8	3.5	R	SEG	no	R	1	.	
G03-2014 RR	3	1	2	3.5	2.0	S	SEG	no	R	1	.	
G03-2388 RR	3	1	3	2.8	1.3	S	no	no	S	5	.	
G04-1618 RR	3	2	3	4.8	1.0	R	no	no	R	1	.	
G04-2656 RR	4	2	4	4.8	1.5	R	no	no	R	1	.	
G04-2913 RR	5	1	4	3.3	1.0	S	no	no	R	1	.	
G04-3248 RR	5	1	4	4.0	3.5	S	no	SEVERE	R	1	.	
N05-7432	5	4	5	5.0	5.0	R	no	no	S	5	.	
N01-11424	5	5	3	4.8	5.0	R	no	no	R	1	.	
N04-8814	5	4	3	5.0	5.0	R	no	no	S	5	.	
SC04-306RR	4	1	4	5.0	3.5	R	no	no	S	5	.	
SC02-134RR	4	1	4	4.8	3.8	R	no	no	R	1	.	
SC03-061RR	5	5	5	4.8	5.0	R	no	no	R	1	.	
SC03-062RR	5	4	4	5.0	5.0	R	SEG	no	R	1	.	
SC03-168RR	5	2	4	4.8	4.0	R	no	no	R	1	.	

**TABLE 80 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2008**

<b>EAST</b>	
STRAIN/ VARIETY	KINSTON NC(A)
SC01-803RR	34.6
97M50	40.9
N8001	34.1
AU02-0137	34.6
AU02-2814	41.9
AU02-3223	37.7
G03-2014 RR	37.4
G03-2388 RR	38.5
G04-1618 RR	39.9
G04-2656 RR	40.0
G04-2913 RR	37.4
G04-3248 RR	38.9
N05-7432	43.0
N01-11424	34.1
N04-8814	36.1
SC04-306RR	40.4
SC02-134RR	37.5
SC03-061RR	33.9
SC03-062RR	38.9
SC03-168RR	37.5
LOCATION MEANS	37.9
L.S.D. (0.05)	9.4
C.V. (%)	14.4

TABLE 80 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(B)	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	54.1	44.1	53.4	30.6	45.3	54.1	46.7	42.6	46.4
97M50	50.3	48.4	52.9	35.4	43.9	52.7	45.0	42.4	46.4
N8001	51.2	47.3	54.2	43.8	47.6	55.5	42.0	46.6	48.5
AU02-0137	54.7	44.8	51.0	31.3	51.1	56.1	47.7	42.6	47.4
AU02-2814	58.7	46.9	55.2	37.3	48.6	54.9	59.5	51.0	51.5
AU02-3223	57.1	39.8	53.4	37.5	49.4	54.7	48.0	44.4	48.0
G03-2014 RR	51.2	41.9	45.3	31.6	46.2	52.7	52.5	41.4	45.3
G03-2388 RR	55.2	40.5	45.9	30.4	51.0	53.9	45.6	42.7	45.7
G04-1618 RR	54.7	51.1	52.3	39.0	47.6	55.7	51.1	46.2	49.7
G04-2656 RR	54.8	43.1	49.7	38.3	46.7	57.0	39.4	45.4	46.8
G04-2913 RR	43.9	46.4	50.3	31.3	48.2	54.7	45.2	43.1	45.4
G04-3248 RR	49.3	47.8	49.0	36.8	50.9	46.8	51.1	45.9	47.2
N05-7432	56.5	51.0	55.2	35.9	51.5	55.9	57.2	46.1	51.1
N01-11424	58.2	58.4	45.2	39.0	49.6	55.1	43.0	42.4	48.9
N04-8814	57.0	41.8	47.8	36.3	43.8	48.1	45.6	53.6	46.8
SC04-306RR	57.2	52.1	51.5	32.8	47.9	52.9	49.7	44.5	48.6
SC02-134RR	51.5	48.3	44.8	33.0	47.3	49.3	47.9	47.2	46.2
SC03-061RR	54.8	52.7	47.6	37.1	45.4	54.1	49.4	44.2	48.1
SC03-062RR	58.5	48.8	48.1	40.6	52.8	59.7	53.4	43.9	50.7
SC03-168RR	43.9	44.4	50.1	38.7	46.2	47.2	35.9	44.0	43.8
LOCATION MEANS	53.6	47.0	50.1	35.8	48.1	53.6	47.8	45.0	47.6
L.S.D. (0.05)	8.5	7.4	6.5	3.6	5.8	5.6	9.0	11.1	3.5
C.V. (%)	9.6	9.6	7.9	6.1	7.3	6.3	11.3	14.9	10.8

TABLE 81 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008

STRAIN/ VARIETY	OIL PERCENTAGES								MEAN
	ATHENS GA(A)	ATHENS GA(B)	FAIRHOPE AL	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	20.3	20.3	18.4	19.1	.	20.2	17.7	18.5	19.2
97M50	20.5	21.2	18.4	18.7	.	18.5	19.9	18.1	19.3
N8001	22.2	20.2	19.4	19.8	.	19.7	19.4	19.5	20.0
AU02-0137	19.7	18.7	19.6	19.1	.	19.0	18.7	19.4	19.2
AU02-2814	21.9	20.7	21.5	20.4	.	19.9	20.8	20.7	20.8
AU02-3223	21.3	19.8	19.9	19.5	.	19.8	18.9	19.5	19.8
G03-2014 RR	20.4	19.0	18.1	18.2	.	17.7	20.1	19.9	19.1
G03-2388 RR	20.8	18.3	18.6	18.8	.	18.7	18.2	18.8	18.9
G04-1618 RR	20.9	20.3	19.4	18.6	.	19.7	20.8	18.7	19.8
G04-2656 RR	21.1	21.3	20.3	20.7	.	20.1	18.8	18.8	20.2
G04-2913 RR	19.7	17.8	18.2	18.7	.	17.6	17.8	17.2	18.1
G04-3248 RR	19.4	18.5	18.5	18.3	.	17.7	18.8	17.8	18.4
N05-7432	21.8	20.0	19.5	19.4	.	19.1	19.7	18.6	19.7
N01-11424	21.5	19.8	20.8	20.0	.	20.6	20.3	19.7	20.4
N04-8814	21.8	20.9	20.8	20.8	.	19.9	20.3	20.7	20.7
SC04-306RR	21.5	21.3	19.3	20.7	.	19.2	19.4	19.7	20.2
SC02-134RR	21.2	20.7	18.3	19.9	.	17.8	19.4	18.8	19.4
SC03-061RR	23.0	21.2	21.1	21.2	.	21.3	21.3	20.7	21.4
SC03-062RR	23.0	20.6	21.2	20.3	.	20.4	20.2	19.9	20.8
SC03-168RR	20.2	19.3	19.2	20.2	.	19.2	18.4	18.7	19.3



TABLE 81 ~ Continued

STRAIN/ VARIETY	PROTEIN PERCENTAGES								MEAN
	ATHENS GA(A)	ATHENS GA(B)	FAIRHOPE AL	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	40.8	41.8	44.6	42.5	.	42.6	45.1	43.0	42.9
97M50	38.8	41.0	44.0	41.9	.	42.5	42.7	42.3	41.9
N8001	40.0	40.5	42.8	41.6	.	41.9	42.8	41.6	41.6
AU02-0137	37.1	40.1	41.7	41.4	.	41.2	41.3	40.1	40.4
AU02-2814	36.9	38.2	41.1	39.8	.	40.7	40.0	40.1	39.5
AU02-3223	37.6	39.8	41.7	41.2	.	41.8	42.6	41.0	40.8
G03-2014 RR	40.7	41.6	44.4	43.1	.	44.7	43.0	43.4	43.0
G03-2388 RR	40.1	41.9	44.2	42.4	.	44.3	43.8	43.1	42.8
G04-1618 RR	39.4	40.0	42.3	41.9	.	42.5	41.8	42.2	41.4
G04-2656 RR	39.4	38.1	42.7	41.7	.	41.9	42.8	42.4	41.3
G04-2913 RR	39.1	40.8	44.1	42.2	.	43.9	43.4	43.3	42.4
G04-3248 RR	37.7	41.1	42.7	41.0	.	43.2	40.8	41.8	41.2
N05-7432	39.4	41.2	42.5	41.5	.	42.9	41.7	42.6	41.7
N01-11424	39.1	40.6	42.2	42.2	.	42.4	43.0	42.1	41.7
N04-8814	40.1	41.7	42.8	41.6	.	44.3	43.1	42.2	42.3
SC04-306RR	39.7	41.2	43.9	42.1	.	43.4	42.6	42.4	42.2
SC02-134RR	39.8	41.2	45.5	42.6	.	45.2	44.5	42.8	43.1
SC03-061RR	36.0	39.8	40.9	39.9	.	40.5	39.5	40.1	39.5
SC03-062RR	37.1	39.0	40.3	40.2	.	40.3	39.8	40.5	39.6
SC03-168RR	39.7	40.4	42.2	41.1	.	42.2	42.7	41.3	41.4

TABLE 81 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED								MEAN
	ATHENS GA(A)	ATHENS GA(B)	FAIRHOPE AL	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	16.5	17.8	15.8	15.8	16.1	14.7	17.2	14.0	16.0
97M50	13.9	14.8	16.4	15.0	14.3	13.8	15.0	12.0	14.4
N8001	15.3	16.8	17.4	17.6	16.8	14.6	15.6	14.3	16.0
AU02-0137	12.7	14.1	13.5	14.1	13.6	12.4	13.6	12.6	13.3
AU02-2814	14.1	15.1	14.8	14.0	15.1	12.2	14.6	13.7	14.2
AU02-3223	15.0	16.6	16.0	16.5	15.7	14.3	15.7	13.5	15.4
G03-2014 RR	13.4	13.9	13.9	14.6	12.4	11.2	13.5	12.1	13.1
G03-2388 RR	15.8	17.2	16.0	17.2	16.3	14.4	16.0	14.7	16.0
G04-1618 RR	13.9	14.8	13.6	13.1	15.1	11.9	13.0	11.8	13.4
G04-2656 RR	16.1	16.7	18.0	15.6	15.9	15.0	15.8	15.3	16.0
G04-2913 RR	13.7	13.8	14.5	14.0	14.5	11.6	13.3	11.1	13.3
G04-3248 RR	11.4	14.1	13.0	12.8	13.2	11.1	11.9	11.4	12.4
N05-7432	15.0	17.1	15.7	18.2	15.3	11.9	14.9	12.8	15.1
N01-11424	16.2	18.1	16.9	20.8	16.0	15.0	16.1	14.3	16.7
N04-8814	16.6	17.6	18.0	19.9	19.1	13.8	17.6	15.7	17.3
SC04-306RR	15.7	15.8	14.4	16.0	15.6	13.1	15.2	12.9	14.8
SC02-134RR	15.6	16.0	15.8	14.0	15.3	13.6	14.9	13.3	14.8
SC03-061RR	15.8	15.8	16.1	15.1	16.3	13.3	14.6	12.0	14.9
SC03-062RR	15.8	15.8	15.2	14.6	15.2	12.1	14.9	12.9	14.6
SC03-168RR	16.3	18.9	18.6	15.2	16.6	15.9	18.0	14.0	16.7

**TABLE 82 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN  
SC01-803RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008**

STRAIN/ VARIETY	EAST
	KINSTON NC(A)
SC01-803RR	11/06
97M50	-2
N8001	-2
AU02-0137	-3
AU02-2814	-1
AU02-3223	-1
G03-2014 RR	-2
G03-2388 RR	0
G04-1618 RR	-3
G04-2656 RR	-3
G04-2913 RR	0
G04-3248 RR	-1
N05-7432	0
N01-11424	-1
N04-8814	0
SC04-306RR	0
SC02-134RR	-2
SC03-061RR	0
SC03-062RR	0
SC03-168RR	0

TABLE 82 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	MEAN
SC01-803RR	10/29	11/02	10/27	10/26	10/28	.	10/24	10/23	10/27
97M50	-6	-2	0	2	-1	.	-3	-2	-1
N8001	-6	-1	3	-6	0	.	-1	-1	-1
AU02-0137	-4	-2	-3	-2	-1	.	-5	-2	-3
AU02-2814	3	0	3	-2	4	.	-3	1	1
AU02-3223	-2	1	6	-2	6	.	0	0	1
G03-2014 RR	-2	-1	5	-1	5	.	0	1	1
G03-2388 RR	0	4	8	0	5	.	0	2	3
G04-1618 RR	-3	-1	1	-4	2	.	-4	-1	-1
G04-2656 RR	-3	1	-1	0	1	.	-2	-2	-1
G04-2913 RR	1	1	0	2	1	.	-1	0	1
G04-3248 RR	-2	4	1	-3	3	.	0	1	1
N05-7432	4	6	10	-2	5	.	2	3	4
N01-11424	-1	1	9	1	6	.	0	0	2
N04-8814	3	2	8	-1	5	.	0	1	3
SC04-306RR	3	2	3	-1	4	.	2	1	2
SC02-134RR	-3	-2	3	-3	5	.	0	0	0
SC03-061RR	1	2	8	1	5	.	3	3	4
SC03-062RR	2	2	10	-2	7	.	5	5	4
SC03-168RR	1	2	6	1	2	.	0	0	2

TABLE 83 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008

STRAIN/ VARIETY	EAST
	KINSTON NC(A)
SC01-803RR	35
97M50	32
N8001	33
AU02-0137	34
AU02-2814	36
AU02-3223	39
G03-2014 RR	42
G03-2388 RR	41
G04-1618 RR	36
G04-2656 RR	40
G04-2913 RR	36
G04-3248 RR	35
N05-7432	33
N01-11424	30
N04-8814	34
SC04-306RR	37
SC02-134RR	36
SC03-061RR	35
SC03-062RR	34
SC03-168RR	38

TABLE 83 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	MEAN
SC01-803RR	31	28	44	40	46	42	44	31	38
97M50	31	31	40	35	41	40	37	26	35
N8001	29	30	45	36	43	44	39	30	37
AU02-0137	31	29	40	35	41	40	36	26	35
AU02-2814	32	30	42	38	45	44	40	31	38
AU02-3223	31	31	41	42	46	45	44	27	38
G03-2014 RR	35	33	45	36	48	48	47	32	41
G03-2388 RR	32	33	48	41	49	48	46	35	41
G04-1618 RR	28	28	41	33	41	38	35	29	34
G04-2656 RR	33	31	45	38	43	46	42	31	39
G04-2913 RR	27	30	40	36	41	41	38	28	35
G04-3248 RR	28	31	37	37	42	40	36	31	35
N05-7432	25	27	39	31	39	39	35	28	33
N01-11424	29	29	36	33	37	40	33	22	32
N04-8814	28	29	37	32	39	39	35	26	33
SC04-306RR	28	31	43	36	41	44	44	27	37
SC02-134RR	30	29	44	39	46	43	43	32	38
SC03-061RR	25	31	43	35	45	43	37	24	35
SC03-062RR	24	29	43	37	42	42	38	26	35
SC03-168RR	36	36	42	41	51	43	47	33	41

**TABLE 84 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008**

STRAIN/ VARIETY	EAST
	KINSTON NC(A)
SC01-803RR	1.5
97M50	2.2
N8001	2.5
AU02-0137	1.8
AU02-2814	2.5
AU02-3223	2.3
G03-2014 RR	2.3
G03-2388 RR	2.5
G04-1618 RR	2.5
G04-2656 RR	2.3
G04-2913 RR	2.0
G04-3248 RR	1.8
N05-7432	2.2
N01-11424	2.7
N04-8814	2.2
SC04-306RR	1.7
SC02-134RR	2.3
SC03-061RR	2.0
SC03-062RR	2.2
SC03-168RR	2.7

TABLE 84 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	1.0	1.0	2.3	1.7	2.3	1.3	2.3	1.0	1.6
97M50	1.0	1.0	3.3	3.0	2.3	2.0	2.3	2.0	2.1
N8001	1.0	1.0	3.7	3.3	3.3	2.0	3.0	3.3	2.6
AU02-0137	1.0	1.0	2.7	2.7	2.7	2.0	2.7	.	2.1
AU02-2814	1.0	1.0	3.0	3.3	3.0	2.0	1.7	2.0	2.1
AU02-3223	1.0	1.0	3.0	3.7	3.3	2.0	2.3	2.5	2.4
G03-2014 RR	1.0	1.0	3.3	3.3	3.7	2.0	4.7	3.3	2.8
G03-2388 RR	2.0	2.3	3.7	3.0	3.3	2.0	4.3	4.0	3.1
G04-1618 RR	1.0	1.0	3.3	4.7	3.3	2.3	2.7	2.0	2.5
G04-2656 RR	1.0	1.0	3.0	3.7	3.3	2.3	3.3	1.7	2.4
G04-2913 RR	1.3	1.3	2.3	2.3	2.3	2.0	3.0	3.0	2.2
G04-3248 RR	1.0	1.0	3.0	3.3	2.3	2.3	2.7	1.3	2.1
N05-7432	1.0	1.3	3.7	3.3	2.7	2.7	1.3	1.5	2.2
N01-11424	1.0	1.0	3.7	5.0	3.7	2.3	3.7	4.0	3.0
N04-8814	1.0	1.3	3.0	3.0	3.7	2.0	1.7	1.3	2.1
SC04-306RR	1.0	1.0	2.0	2.3	2.3	1.3	2.0	1.0	1.6
SC02-134RR	1.0	1.0	3.0	3.7	2.3	2.0	3.3	1.7	2.3
SC03-061RR	1.0	1.0	3.3	3.7	3.0	2.3	3.0	2.5	2.5
SC03-062RR	1.0	1.0	3.7	4.0	3.0	2.7	3.0	2.7	2.6
SC03-168RR	1.3	1.0	3.0	4.0	3.3	2.3	4.7	2.3	2.8



**TABLE 85 ~ SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2008**

STRAIN/ VARIETY	SOUTH						MEAN
	ATHENS GA(A)	ATHENS GA(B)	FAIRHOPE AL	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	
SC01-803RR	2.0	2.0	2.0	1.8	1.0	1.0	1.6
97M50	2.0	1.5	3.0	2.0	1.5	1.5	1.9
N8001	2.0	1.8	3.0	2.0	1.5	1.5	2.0
AU02-0137	2.5	2.3	3.0	2.0	1.5	1.5	2.1
AU02-2814	2.5	1.7	2.0	2.0	1.5	2.0	1.9
AU02-3223	2.3	2.0	3.0	2.2	1.5	1.5	2.1
G03-2014 RR	2.2	2.0	2.0	1.7	1.5	1.5	1.8
G03-2388 RR	2.2	2.0	3.0	1.8	1.5	1.5	2.0
G04-1618 RR	2.0	1.8	1.0	2.0	1.5	1.5	1.6
G04-2656 RR	2.0	2.0	3.0	2.0	2.0	2.0	2.2
G04-2913 RR	2.2	1.7	2.0	1.5	2.0	2.0	1.9
G04-3248 RR	2.0	2.0	2.0	1.5	1.5	2.0	1.8
N05-7432	2.3	2.0	2.0	2.0	1.5	1.5	1.9
N01-11424	2.0	2.0	1.0	2.0	2.0	1.0	1.7
N04-8814	2.2	2.2	1.0	1.8	2.0	1.5	1.8
SC04-306RR	2.3	2.0	2.0	2.2	2.5	1.5	2.1
SC02-134RR	2.0	1.5	2.0	1.8	1.0	2.0	1.7
SC03-061RR	2.0	2.2	3.0	1.8	1.5	2.5	2.2
SC03-062RR	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SC03-168RR	1.8	1.5	2.0	1.7	1.0	2.0	1.7

**PRELIMINARY GROUP VIII****2008**

**Preliminary Group VIII nurseries were planted at 6 locations. Data were obtained from 5 of the locations. The parentage for each strain is reported in Table 86. Table 87 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 88 - 94.**

**TABLE 86 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. SC01-803 RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	
2. 97M50	G93-2225(6) X RR	
3. N8001	N7001 x Cook 1	F4
4. G05-1209 RR	G98-1420 X Benning-RR	F5d
5. G05-1696 RR	G98-1053 X Benning-RR	F5d
6. G05-1889 RR	G98-3520 X Benning-RR	F5d
7. G05-2468 RR	G98-2641 X Benning-RR	F5d
8. G05-2505 RR	G98-2641 X Benning-RR	F5d
9. G05-3758 RR	Prichard-RR X G94-3117	F6d
10. G05-4237 RR	Prichard-RR X G94-3117	F6d
11. SC97-1821	NK S83-30 x (Hutcheson x D87-4429)	F5
12. N04-8830	N98-7893 x NTC93PR-646	F4
13. N04-8866	NTCPR96-1215 x N96-6717	F4
14. N04-8884	NTCPR96-1215 x NTCPR93-646	F4
15. N05-7085	N94-7350 x N96-6717	F4
16. N04-8801	N98-7893 x N96-6717	F4
17. SC05-505RR	SC00-579/DILLON	F5
18. SC05-522RR	SC00-579/DILLON	F5
19. SC05-557RR	SC00-579/DILLON	F5
20. SC05-589RR	SC00-579/N97-9658	F5
21. SC05-598RR	SC00-579/N97-9658	F5
22. SC05-642RR	SC00-603/SC94-1573	F5
23. SC05-647RR	SC00-603/SC94-1573	F5
24. SC05-654RR	SC00-603/SC94-1573	F5



**TABLE 88 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	43.2	27.5	37.3	44.0	41.5	38.7
97M50	42.4	36.6+	36.6	46.9	44.1	41.3
N8001	46.6	42.0+	30.9	47.8	38.2	41.1
G05-1209 RR	50.1	47.1+	38.5	41.6	40.8	43.6
G05-1696 RR	48.4	39.2+	36.5	42.4	45.6	42.4
G05-1889 RR	50.6+	35.4	35.6	43.2	32.6	39.5
G05-2468 RR	45.7	33.5	37.3	55.8+	52.9+	45.0+
G05-2505 RR	41.3	38.7+	35.1	53.5+	39.2	41.6
G05-3758 RR	45.4	43.0+	36.1	51.7+	42.9	43.8
G05-4237 RR	51.5+	44.2+	39.0	54.0+	43.9	46.5+
SC97-1821	48.1	46.3+	32.5	47.2	43.0	43.4
N04-8830	36.2	44.6+	34.7	45.2	41.8	40.5
N04-8866	50.3+	39.9+	33.0	43.7	29.1-	39.2
N04-8884	47.6	40.5+	33.1	42.7	18.5-	36.5
N05-7085	51.0+	32.9	38.8	45.4	31.2-	39.9
N04-8801	42.2	36.1	31.6	44.3	37.3	38.3
SC05-505RR	49.3	40.9+	34.4	44.9	38.9	41.7
SC05-522RR	47.5	38.7+	28.9-	43.3	39.0	39.5
SC05-557RR	47.6	33.0	24.9-	43.8	48.0	39.4
SC05-589RR	41.0	41.0+	31.0	40.0	38.6	38.3
SC05-598RR	48.9	43.2+	31.6	41.1	44.3	41.8
SC05-642RR	51.6+	47.4+	32.5	41.9	49.8	44.6
SC05-647RR	45.0	43.2+	32.4	39.1	43.1	40.6
SC05-654RR	50.3+	38.5+	34.4	41.6	45.0	41.9
LOCATION MEAN	46.7	39.7	34.0	45.2	40.4	41.2
L.S.D. (0.05)	7.0	9.0	7.5	5.7	10.1	6.1
C.V. (%)	9.1	13.8	12.7	7.7	15.0	11.8

**TABLE 89 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	19.7	18.5	18.1	18.9	17.3	18.5
97M50	18.9	18.4	17.3	17.9	16.8	17.9
N8001	20.8	19.7	18.9	18.9	18.3	19.3
G05-1209 RR	20.1	20.4	19.0	19.3	19.6	19.7
G05-1696 RR	19.8	19.7	18.4	18.2	18.0	18.8
G05-1889 RR	21.0	20.0	19.7	18.1	17.6	19.3
G05-2468 RR	19.9	20.1	20.2	20.3	20.1	20.1
G05-2505 RR	21.2	20.1	21.0	20.2	18.9	20.3
G05-3758 RR	18.6	18.0	17.3	17.9	17.3	17.8
G05-4237 RR	19.6	19.6	17.7	19.1	18.8	19.0
SC97-1821	19.7	19.5	18.5	19.6	17.8	19.0
N04-8830	20.8	20.7	20.0	20.5	20.2	20.4
N04-8866	20.4	19.3	19.7	19.6	18.3	19.5
N04-8884	21.2	20.5	21.5	20.7	20.1	20.8
N05-7085	19.2	19.7	20.0	20.7	19.1	19.7
N04-8801	19.7	19.4	21.4	20.0	19.2	19.9
SC05-505RR	20.3	19.3	20.0	19.1	19.0	19.5
SC05-522RR	20.8	20.8	18.9	19.5	19.4	19.9
SC05-557RR	19.8	20.4	21.4	19.4	18.8	20.0
SC05-589RR	20.1	19.9	18.8	18.9	19.4	19.4
SC05-598RR	20.0	19.3	20.6	18.7	18.7	19.5
SC05-642RR	20.7	19.5	21.1	19.9	19.7	20.2
SC05-647RR	21.4	20.3	19.7	20.2	20.6	20.4
SC05-654RR	19.9	20.5	19.7	19.2	19.3	19.7

**TABLE 90 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	42.4	43.2	43.5	43.7	46.2	43.8
97M50	40.5	41.3	43.2	43.1	45.0	42.6
N8001	40.8	41.2	41.5	42.4	44.2	42.0
G05-1209 RR	42.1	42.1	42.8	43.4	44.3	42.9
G05-1696 RR	40.1	40.3	40.9	43.0	43.8	41.6
G05-1889 RR	38.8	40.1	40.4	43.6	44.9	41.6
G05-2468 RR	42.9	42.1	41.3	42.4	43.3	42.4
G05-2505 RR	39.2	41.8	41.7	42.3	43.7	41.7
G05-3758 RR	42.4	42.3	43.4	43.9	45.2	43.4
G05-4237 RR	41.5	41.3	42.4	42.7	43.5	42.3
SC97-1821	42.1	42.1	43.3	43.4	45.7	43.3
N04-8830	40.5	40.5	41.3	42.1	42.5	41.4
N04-8866	41.6	43.4	41.6	43.6	45.0	43.0
N04-8884	42.0	41.1	41.6	41.1	42.2	41.6
N05-7085	41.7	41.2	41.2	42.5	42.8	41.9
N04-8801	40.5	40.9	40.9	41.3	43.0	41.3
SC05-505RR	41.1	41.5	41.3	42.6	43.7	42.0
SC05-522RR	41.2	40.5	42.0	42.4	43.2	41.9
SC05-557RR	40.6	42.1	41.8	42.1	42.7	41.9
SC05-589RR	41.2	41.5	41.0	42.3	42.6	41.7
SC05-598RR	42.5	42.9	43.1	43.7	44.2	43.3
SC05-642RR	40.3	41.0	41.4	41.9	42.1	41.3
SC05-647RR	40.3	41.0	40.7	40.7	42.6	41.1
SC05-654RR	41.6	42.1	39.4	43.2	43.3	41.9

TABLE 91 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	15.6	14.3	16.4	15.2	15.1	15.3
97M50	12.7	12.6	14.6	13.6	13.5	13.4
N8001	15.5	14.1	13.5	14.1	14.4	14.3
G05-1209 RR	13.1	15.4	14.7	11.7	13.0	13.6
G05-1696 RR	13.7	14.1	14.9	11.7	14.2	13.7
G05-1889 RR	12.7	15.0	12.7	11.2	12.8	12.9
G05-2468 RR	13.1	13.4	13.8	13.0	13.8	13.4
G05-2505 RR	12.9	14.0	15.2	14.4	15.1	14.3
G05-3758 RR	13.4	13.8	14.0	11.5	13.4	13.2
G05-4237 RR	14.8	14.5	16.9	13.0	14.1	14.7
SC97-1821	18.0	20.1	17.6	19.0	21.1	19.2
N04-8830	16.6	19.7	18.6	15.6	17.3	17.6
N04-8866	22.2	21.3	23.5	21.8	21.9	22.1
N04-8884	19.2	20.8	21.2	19.6	20.5	20.3
N05-7085	18.7	19.8	19.3	17.4	18.5	18.7
N04-8801	17.0	19.3	19.7	17.2	17.3	18.1
SC05-505RR	14.8	15.3	13.6	12.3	14.2	14.0
SC05-522RR	16.6	15.2	16.7	13.3	16.4	15.7
SC05-557RR	16.6	16.2	14.9	14.5	16.2	15.7
SC05-589RR	15.4	15.7	15.8	13.0	15.5	15.1
SC05-598RR	15.1	15.1	14.5	12.7	14.8	14.5
SC05-642RR	14.8	15.3	16.0	12.3	14.1	14.5
SC05-647RR	15.3	16.4	16.2	14.8	16.3	15.8
SC05-654RR	16.4	17.4	15.6	14.7	15.4	15.9



**TABLE 92 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	26	47	35	44	37	38
97M50	26	41	35	39	36	35
N8001	27	41	38	44	37	37
G05-1209 RR	32	49	41	49	45	43
G05-1696 RR	27	44	36	41	40	38
G05-1889 RR	29	41	41	43	39	39
G05-2468 RR	26	44	38	40	36	37
G05-2505 RR	28	45	35	44	38	38
G05-3758 RR	27	48	35	47	39	39
G05-4237 RR	26	44	36	44	37	37
SC97-1821	26	40	33	42	39	36
N04-8830	22	35	34	37	34	32
N04-8866	24	40	34	38	32	33
N04-8884	27	35	34	38	38	34
N05-7085	25	33	33	39	33	32
N04-8801	33	46	36	46	42	41
SC05-505RR	28	43	38	45	39	39
SC05-522RR	30	49	42	48	45	43
SC05-557RR	33	43	30	43	37	37
SC05-589RR	41	50	39	47	43	44
SC05-598RR	29	45	42	45	41	41
SC05-642RR	27	45	35	42	41	38
SC05-647RR	29	44	38	45	38	39
SC05-654RR	30	44	38	46	43	40

**TABLE 93 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2008**

STRAIN/ VARIETY	ATHENS GA(A)	FLORENCE SC	KINSTON NC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	1.0	1.7	1.0	1.3	1.3	1.3
97M50	1.0	2.0	1.7	2.0	2.7	1.9
N8001	1.0	2.3	1.5	2.0	2.3	1.8
G05-1209 RR	1.0	2.0	1.3	1.3	1.7	1.5
G05-1696 RR	1.0	2.0	1.0	1.3	2.7	1.6
G05-1889 RR	1.0	2.3	1.0	1.7	3.0	1.8
G05-2468 RR	1.0	2.0	1.7	1.7	2.3	1.7
G05-2505 RR	1.0	2.3	1.8	1.3	3.0	1.9
G05-3758 RR	1.0	2.3	1.7	2.0	3.0	2.0
G05-4237 RR	1.0	2.0	1.3	1.3	2.7	1.7
SC97-1821	1.0	2.7	1.7	1.3	1.3	1.6
N04-8830	1.0	2.0	1.5	1.7	1.3	1.5
N04-8866	1.0	2.7	1.8	1.7	1.0	1.6
N04-8884	1.0	2.7	1.8	2.0	2.3	2.0
N05-7085	1.0	2.0	1.7	2.3	1.7	1.7
N04-8801	1.0	2.7	1.3	2.3	3.0	2.1
SC05-505RR	1.0	2.3	1.5	1.7	1.3	1.6
SC05-522RR	1.0	2.7	1.3	1.3	2.0	1.7
SC05-557RR	1.0	2.0	1.0	1.0	0.7	1.1
SC05-589RR	1.0	2.3	1.5	1.7	2.3	1.8
SC05-598RR	1.0	2.0	1.2	1.3	2.3	1.6
SC05-642RR	1.0	2.0	1.5	1.3	1.7	1.5
SC05-647RR	1.0	2.3	1.5	2.0	2.7	1.9
SC05-654RR	1.0	2.3	1.5	1.7	2.7	1.8

**TABLE 94 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII,  
2008**

STRAIN/ VARIETY	ATHENS GA(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
SC01-803 RR	2.3	2.0	1.0	1.8
97M50	2.0	1.5	2.0	1.8
N8001	2.0	1.8	2.0	1.9
G05-1209 RR	2.2	1.5	1.5	1.7
G05-1696 RR	2.2	1.7	1.5	1.8
G05-1889 RR	2.2	1.8	2.5	2.2
G05-2468 RR	2.0	1.7	1.5	1.7
G05-2505 RR	2.2	2.0	2.0	2.1
G05-3758 RR	2.5	1.7	1.5	1.9
G05-4237 RR	2.2	1.7	1.0	1.6
SC97-1821	2.0	2.2	2.5	2.2
N04-8830	2.2	1.8	1.0	1.7
N04-8866	2.3	2.0	2.0	2.1
N04-8884	2.5	1.8	2.5	2.3
N05-7085	2.0	1.8	2.5	2.1
N04-8801	2.2	1.7	2.0	1.9
SC05-505RR	2.2	1.5	1.5	1.7
SC05-522RR	2.2	1.7	2.0	1.9
SC05-557RR	2.2	1.7	2.0	1.9
SC05-589RR	2.2	1.8	2.0	2.0
SC05-598RR	2.0	1.8	1.5	1.8
SC05-642RR	2.2	1.7	1.5	1.8
SC05-647RR	2.0	1.8	2.5	2.1
SC05-654RR	2.2	1.8	1.5	1.8