

UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2007

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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), 5002T, 5601T, AG 5501 (RR), Boggs RR, Dillon, NC-ROY, AGS758RR, Haskell RR, G04-G2261RR and Prichard RR.

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	- 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; C; NCC; TCWN; JWB	- North Carolina Agricultural Experiment Station and USDA-ARS
R	- Arkansas Agricultural Experiment Station
S; LG	- Missouri Agricultural Experiment Station
SC	- South Carolina Agricultural Experiment Station, Clemson
TN	- Tennessee Agricultural Experiment Station
V	- Virginia Agricultural Experiment Station, Virginia Tech
VS	- Virginia Agricultural Experiment Station, Virginia State University

Agronomic Characteristics of Locations

LOCATION _y	TEST						SOIL TYPE	Irrigated	Prior Crop	Planting Dates	Harvest Dates	Row Spacing _z	Planted Length	Harvested Length	End Trimmed	# Rows Planted	# Rows Harvested	Trial Bordered
	IV-E	IV-L	V	VI	VII	VIII												
Belle Mina, AL			U	U			Decatur silt loam	No	Cotton	5/15	10/4, 10/29, 10/30	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	UP	Cahaba fine sandy loam	No	Fallow	6/22	11/1	30	16	12	Yes	4	2	Yes
Tallassee, AL(B)						U	Cahaba fine sandy loam	No	Fallow	7/16	11/1	30	16	12	Yes	4	2	Yes
Pine Tree, AR	P	UP	UP	UP			Calloway silt loam	Yes	Rice	5/8	9/27(P4E,P4L), 11/3(P5), 11/5 (6), 10/1(U4), 11/4(U5)	30	20	28	Yes	4	2	No
Rohwer, AR	P	UP	UP	UP			Sharkey clay, Desha silt loam	Yes	Corn (6), Milo (4,5)	5/18(4,5), 5/19(6)	10/1(4), 10/10(5), 10/19(6)	19	20	20	No	5	3	Yes
Georgetown, DE		U	U				Evesboro loamy sand					20						
Athens, GA(A)				U	U	UP	Cecil coarse sandy loam	Yes	Grain sorghum or corn	5/15	10/29, 11/8, 11/12	30	20	12	Yes	4	2	Yes
Athens, GA(B)					U	U	Appling coarse sandy loam	Yes	Grain sorghum	6/25	11/12	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	Corn	5/29	11/1, 11/2	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	Corn	5/21	11/1	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			Latanier silty clay loam	No	Soybean	4/24(U4), 5/10(U5), 5/10(U6)	Varied	38	34	Varied	Yes	4	2	Yes
Bossier City, LA		U	U	U	U		Moreland silty clay loam	No	Cotton	5/7(4,5), 5/15(6,7)	9/24(4), 10/1(5), 10/8(6), 10/30(7)	40	28	20	Yes	4	2	Yes
Queenstown, MD	P	UP	UP				Mattapeake silt loam	No	Corn	6/11	Not recorded	24	20	16	Yes	4	2	Yes
Portageville, MO(A)	P	UP	UP				Dundee silt loam	Yes	Soybean	4/30	10/3(4), 10/17(5)	30	13	11	Yes	4	2	Yes
Portageville, MO(B)		U	U				Sharkey clay	Yes	Rice	4/27	10/8(4), 10/15(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	4/20	8/24(P4E), 9/22(P4L,U4), P5(U5), 10/4(U6,P6), 10/10(P7)	24	18.5	16	Yes	5	3	Yes
Jackson Springs, NC						P	Wagram sand				Test moved to Plymouth in 2007	38						
Kinston, NC					UP	UP	Stallings loamy sand	No	Corn, Corn	6/5	NOV	38	18	15	Yes	3	1	Yes
Plymouth, NC(A)				UP	UP		Portsmouth silt loam	No	Corn, Corn	5/20	NOV	38	19	16	Yes	3	1	Yes
Plymouth, NC(B)	P	UP						Yes				38	16	13	Yes	4	2	Yes
Bixby, OK	P	UP	UP	UP			Reinach silt loam	No	No rotation/soybean	6/6	11/19(P4E), 10/31(P4L), 11/1(P5), 10/30(P6), 10/31(U4), 11/5(U5), 11/5(U6)	30	22	20	Yes	4	2	Yes
Blackville, SC(A)				U	UP	P	Faceville sandy loam	Yes	Cotton	6/19	11/6	38	20	12	Yes	4	2	Yes
Blackville, SC(B)				U	U		Norfolk sandy loam	Yes	Cotton	7/10	11/7	38	20	12	Yes	4	2	Yes
Clemson, SC				UP	U	U	Cecil sandy loam	No	Fallow	6/27	11/14	38	20	12	Yes	4	2	Yes
Florence, SC				U	U	UP	Goldsboro sandy loam	No	Corn	5/23	Not Harvested	38	20	12	Yes	4	2	Yes
Jackson, TN	P	P	P				Lexington silt loam	Yes	Soybean	5/18	Not Harvested	30	20	20	No	4	2	Yes
Knoxville, TN	P	U	U				Sequatchie silt loam	Yes	1 year, corn	5/10(P4E), 5/8(P4L,U5)	10/1(P4), 10/5(U5)	30	20	16	Yes	4	2	Yes
Springfield, TN	P	U	U				Hamblen silt loam	Yes	1 year, corn	5/18	9/24(P4E), 10/15(U4), 11/6(U5)	30	20	16	Yes	4	2	Yes
Bardwell, TX			P				Houston black clay	No	Wheat	4/6	Various dates in Aug. And Sept.	30	20	17	Yes	4	2	Yes
Cooper, TX	P	P					Houston black clay	No	Corn	4/9	Numerous dates in Sept.	30	20	17	Yes	4	2	Yes
Orange, VA	P	U	U				Starr silty clay loam					30						
Petersburg, VA				UP			Abell sandy loam	Yes	Winter rye	5/16	10/16-10/23	30	16	14	Yes	4	2	No
Suffolk, VA			U				Lynchburg fine sandy loam					20						
Warsaw, VA	P	UP	UP	U			Kempsville loam	No	05 Corn/05, 06 small grains	6/7	10/9(P4E), 10/11(P4L), 10/15(P5,U4), 10/22(U5), 10/23(U6)	30	18	12	Yes	4	2	Yes

U - Uniform nursery grown

P - Preliminary nursery grown

_y - 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

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	http://www.aragriculture.org/weather/default.asp	
Georgetown, DE	http://www.rec.udel.edu/TopLevel/Weather.htm	
Athens, GA (A)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Athens, GA (B)	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAWP	
Calhoun, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GACA	
Plains, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GAPL	
Tifton, GA	http://www.griffin.uga.edu/aemn/cgi-bin/AEMN.pl?site=GATI	
Ullin, IL	None	
McCune, KS	http://www.oznet.ksu.edu/wd1/	
Pittsburg, KS	http://www.oznet.ksu.edu/wd1/	
Princeton, KY	http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct226.pdf	
Alexandria, LA	www.lsuagcenter.com/weather	
Bossier City, LA	www.lsuagcenter.com/weather/taledata.asp	
Queenstown, MD	None	
Portageville, MO(A)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Portageville, MO(B)	http://agebb.missouri.edu/weather/realtime/portageville.asp	
Starkville, MS	http://www.deltaweather.msstate.edu/	
Stoneville, MS	http://www.deltaweather.msstate.edu/	Stoneville is at the end of the list of weather stations
Jackson Springs, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=JACK&temporal=daily	Sandhills Station, NC (Jackson Springs)
Kinston, NC	http://www.nc-climate.ncsu.edu/cronos/index.php?station=314689&temporal=D	Kinston, NC
Plymouth, NC(A)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Plymouth, NC(B)	http://www.nc-climate.ncsu.edu/cronos/?station=PLYM	Tidewater Research Station
Bixby, OK	www.mesonet.ou.edu	
Blackville, SC(A)	http://www.ncdc.noaa.gov/crn/	
Blackville, SC(B)	http://www.ncdc.noaa.gov/crn/	
Clemson, SC	http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KSCCLEMS1&graphspan=month&month=6&day=1&year=2007	
Florence, SC	Not reported	
Jackson, TN	None on the web	
Knoxville, TN	www.ncdc.noaa.gov	Look on left menu for "Find an Station" for Knoxville Experiment Station
Springfield, TN	Not reported	
Bardwell, TX	Not reported	
Cooper, TX	Not reported	
Orange, VA	Not reported	
Petersburg, VA	http://www.accuweather.com/forecast-climo.asp?partner=30371&traveler=0&zipChg=1&zipcode=23841&metric=9	This only has the past two months of data
Suffolk, VA	Not reported	
Warsaw, VA	http://www.ext.vt.edu/cgi-bin/WebObjects/Mesonet.woa/wa/lookupCoordinate?472.102	EVAREC is location name

METHODS

CULTURAL PRACTICES

Please see 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 - PRICHARD 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 strains G1 and S98-52. 2006 was the first year the nursery included SMV strain S98-52. S98-52 is resistance-breaking on Hutcheson, which contains the Rsv1-y allele. S98-52 was collected in Blacksburg in 1998 and has some similarities to SMV strains G5 and G6 based on differential reactions of soybeans with Rsv1 alleles, and the coat protein sequence is G6-like. Inoculation method is described in Ma et. al. 1995. Counts of resistant and susceptible plants are taken about 4 weeks after inoculation.

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 2007, the HG Type of the populations was as follows: race 2 was HG Type 1.2.7, race 3 was HG Type 0, 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 Carbondale and Carmi, 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 $(DI \cdot DS) / 9$. DX1 (Carbondale) and DX2 (Carmi) are reported. Data for susceptible and resistant checks were not reported in 2007.

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 resistanD67-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 x N45-745	
HS 89-3261	LG 82-8379 x ASG A2943	
Hutcheson (Exp. V78-184)	V68-1034 x Essex	
Hutton	F55-822 x Roanoke x CNS-4	
J 74-5	Forrest x D68-18 x PI 88788	
J22	L37-1355 x Arksoy-2913	
J74-45	Forrest (2) x D68-18 x PI 88788	same parentage as Bedford
J74-47	Forrest(2) x (D68-18 x PI 88788)	same parentage as Bedford
J74-49	Forrest (2) x D68-18 x PI 88788	same parentage as Bedford
Jackson (Exp. N47-3479)	Volstate(2) x Palmetto	
Johnston (Exp. N76-1507)	N70-2173 x Hutton	
JTN-5104	Fowler x S95-1908	
JTN-5303	R93-171 x Anand	
K1044	Tracy x Williams	
K1191 (Rel. as KS4694)	Sherman x Toano	
K1192 (Rel. as KS4895)	Sherman x Bay	
K1235	Hutcheson x A3427	
K1276	Coker 425 x A3427	
K1364	Rhodes x Holladay	
K1393	KS5292 x Hutcheson	
K97-132	K1235 x K97-34	
K97-134	K1276 x K97-38	
K97-138	Hartwig x K97-40	
K97-34	K1235 x RR	
K97-38	K1276 x RR	
K97-40	Stressland x RR	
KS4694 (Exp. K1191)	Sherman x Toano	
KS4895 (Exp. K1192)	Sherman x Bay	
KS4997	Pioneer P5482 x Asgrow A3127	
KS5292 (Exp. K81-27-278)	Essex x Forrest	
KS5502N	Hartwig x KS4895	
KY84-1616	K1044 x Williams	
KY88-4080	K1099 x Hutcheson	
KY90-1208	A3935 x V78-184	
KY91-11114	Asgrow A3935 x KY84-1616	
KY91-1214	P9391 x KY84-1616	
L15 (Exp. L65-4059)	Wayne(6) x Clark63	L15 contains Rps 1
L37-1355	Rouge out of PI 810x	
L46-5679	Lincoln x Richland	
L49-4091	(Lincoln(2) x Richl x (Lincoln x CNS)	
L57-0034	Clark x Adams	
L70L-3048	L15 (Wayne Rps) x D64-3146	
L75-8020	Corsoy type resistant to phytophthora rot	
L76-0132	Beeson x PI 171451	
L77-443	Union x L75-8020	
L77-906	Corsoy type resistant to phytophthora rot	
L77-994	Williams (2) x PI 88788	
L80-4349	Williams (2) x PI 88788	
Lee (Exp. D49-2524)	S-100 x CNS	
Leflore (Exp. D77-6166)	Centennial x J74-47	
LG93-8169	G85-3343 x G86-2734	
Lincoln (Exp. L36-685)	Unknown x	
LS 78-W245	Franklin x J 74-5	
LS 84-920	LS 78-W245 x Fayette	
LS92-4137	Flyer x Pyramid	
Majos	Tokyo x 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 × G. Soja	
R89-332	Pershing × Narow	
R92-1258	Hutcheson × Walters	
R92-1294	Hutcheson × Walters	
R93-171	Hutcheson × ASG A5403	
R93-174	A5403 × Hutcheson	
R96-1083	Hamilton × Coker 6955	
R96-2361	PI 507098 × N86-491	
R96-2660	A6297 × IA 2007	
Randolph (Exp. VS 20-418)	PI 417288 × T135 × PI 83945-4	
Ransom (Exp. N64-2430)	N55-5931 × N55-3818 × D56-1185	
Ripley (Exp. HC77-2204)	Hodgson × V68-1034	
Roanoke (Exp. N41-90)	Rouge in 'Nanking' (PI 71597)	
S88-19561	Forrest (3) × PI 437654	
S00-9970-09	S94-1867 × Anand	
S02-166RR	SG 498 × SS94-7482	
S02-182RR	S95-1908 × SG 498	
S02-18932RR	S97-1753 × DP 5960	
S02-19698RR	S96-2692 × DP 5960	
S02-256CR (RR)	SG 498 × S96-2692	
S02-750RR	SS94-7546 × S86-4499(4) × RR	
S55-7075	N48-1248 × Perry	
S76-2229	Forrest × V71-480	
S85-1009	Bradley × Essex	
S86-4499	L77-443 × L77-906	
S86-4499RR	S86-4499RR × RR	
S88-19561	Forrest (3) × PI 437654	
S91-1381	Hartz 5370 × Hartwig	
S91-1839	Hartwig × Coker 485	
S92-1069	MD83-5008 × Hartwig	
S94-1867	P9592 × S91-1693	
S94-1956	Holladay × Hartwig	
S94-7546	P9341 × S86-4499	
S95-1908	S92-1492 × NK S59-60	
S96-2692	Manokin × S91-1839	
S97-1753	H5545 × S91-1381	
S98-3940-43RR	S86-4499RR × DeLsoy 5500	
SC01-173	SC91-1791 × SC95-96	
SC01-778RR	Musen × SC92-2482 × [Benning × (Hagood × BC1ResnikRR)]	
SC01-832RR	SC92-3091 × SC92-2482 × [Benning × (Hagood × BC1ResnikRR)]	
SC02-122	Maxcy × (Maxcy × N474) × N94-199	
SC84-931 (Rel. as Dillon)	Centennial × Young	
SC89-147	Hutcheson × Leflore	
SC89-551	A6785 × Coker 6738	
SC91-1791	Coker 6847 × Stonewall	
SC91-2007	Northrup King S83-3 × Hutcheson	
SC92-2482	Coker 6847 × Hagood	
SC92-3091	Hagood × Coker 6738	
SC92-902	Brim × Coker 82-622	
SC93-2082	Coker 6738 × G83-198	
SC93-3091	Hagood × Coker 6738	
SC95-96	BARC-8 × Md 87L-1320	
Sharkey (D79-6162)	Tracy × Centennial	
Sherman (Exp. HW8067)	A72-512 × Pe11a	
Shore (Exp. V69-156)	PI 80837 × 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 registered germplasm (GP-280) in 2003 Crop Sci. 43:1137	
TN94-213	S85-1009 x Hutcheson	
TN95-268	Cordeil 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 × 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

2007

Uniform Group IV-S nurseries were planted at 20 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, 2007

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. K04-3083RR	SS94-7546 X K97-132	F5
6. LS03-4294	Pana x TN96-58	F6
7. LS03-4303	Pana x TN96-58	F6
8. Md 01-5866	Repeat from 2006	
9. R00-1178F	A4715 x DP3478	
10. R00-1194F	A4715 x DP3478	
11. R02-3263RR	HBK 4890 x 98602	
12. R03-1176	R96-209 x ANAND	
13. R03-176	R95-3235 x 98602	
14. S04-5969	S99-2281 X F1-00-111	F5
15. S04-6008	K1525 X F1-00-111	F5
16. S04-6013	K1525 X F1-00-111	F5
17. TN02-226	Fowler x Anand	
18. TN03-012RR	TN93-87 [4] x Monsanto RR	
19. TN03-235	TV5797 x TN 4-94	

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

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2007	06-07	05-07	2007	06-07	05-07	2007	06-07	05-07
5002T	4	6	49.9	51.3	49.0	39.9	40.4	40.3	21.9	20.7	21.0
DK 4866	1	6	51.3	50.9	.	39.4	39.8	.	20.7	20.1	.
AG 4403	16	14	44.1	46.4	.	38.5	39.0	.	23.2	22.3	.
AG 4903	2	6	50.1	51.8	49.6	40.0	40.3	40.6	21.8	21.0	21.1
K04-3083RR	3	6	50.0	.	.	40.7	.	.	21.1	.	.
LS03-4294	6	7	49.4	.	.	41.4	.	.	20.6	.	.
LS03-4303	19	14	39.4	.	.	41.9	.	.	20.6	.	.
Md 01-5866	12	11	45.6	.	43.5	40.6	.	41.1	22.3	.	22.2
R00-1178F	8	9	47.8	48.6	46.7	40.5	40.7	41.0	21.8	20.9	21.0
R00-1194F	5	8	49.4	49.1	47.8	39.2	39.9	40.2	21.5	20.7	20.7
R02-3263RR	15	13	44.3	45.6	.	37.9	38.1	.	21.7	21.0	.
R03-1176	13	12	45.2	.	.	40.7	.	.	21.1	.	.
R03-176	17	14	43.2	.	.	38.7	.	.	21.4	.	.
S04-5969	14	13	44.4	.	.	38.1	.	.	23.0	.	.
S04-6008	10	11	46.9	.	.	38.4	.	.	23.4	.	.
S04-6013	7	8	48.6	.	.	38.2	.	.	23.1	.	.
TN02-226	11	11	46.2	41.6	41.4	38.3	38.5	38.8	20.7	19.9	20.1
TN03-012RR	9	9	47.7	48.1	.	37.6	38.2	.	22.1	21.0	.
TN03-235	18	13	42.9	.	.	40.6	.	.	19.9	.	.

❖Data not included in mean: 2007 - Knoxville, TN; Pine Tree, AR; Princeton, KY; Springfield, TN
2006 - Bossier City, LA
2005 - Orange, VA; Pine Tree, AR; Prosper, TX; Springfield, TN; Ullin, IL

TABLE 2 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5002T	10/01	1.7	24	2.2	13.7			
DK 4866	7-	1.4	31	2.3	13.3			
AG 4403	13-	1.3	31	2.2	12.6			
AG 4903	7-	1.4	30	2.4	13.9			
K04-3083RR	2-	2.1	36	2.3	11.2			
LS03-4294	3-	1.3	26	2.0	13.0	W	G	
LS03-4303	9-	1.1	19	2.1	12.4	P	G	
Md 01-5866	5-	1.3	24	1.9	13.9			
R00-1178F	5-	1.9	32	2.5	13.4	S	T	
R00-1194F	6-	1.5	29	2.2	12.7	S	G	
R02-3263RR	6-	1.4	35	2.3	13.8	P	G	
R03-1176	7-	1.3	22	2.1	14.4	W	T	T
R03-176	7-	1.2	24	1.9	11.2	W	G	T
S04-5969	13-	1.3	31	2.3	12.4	P	T	
S04-6008	11-	1.4	30	2.4	12.1	P	G	
S04-6013	11-	1.4	31	2.3	12.1	P	G	
TN02-226	2-	1.3	25	2.4	13.0	P	T	
TN03-012RR	1-	1.5	26	1.9	11.6	P	G	
TN03-235	8-	1.4	22	1.8	12.9	P	G	

TABLE 2 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV	SC	SC	SDS	SDS
	1.2.7	0	1.3.5.6.7								
5002T	5	5	4	2.8	5.0	R	S	R	1	0	1
DK 4866	5	4	3	4.0	5.0	S	S	S	5	6	19
AG 4403	5	4	3	4.8	5.0	S	SEG	S	5	2	4
AG 4903	5	4	3	3.8	5.0	S	S	S	5	1	7
K04-3083RR	5	1	1	4.5	5.0	R	R	R	1	0	1
LS03-4294	5	1	3	4.5	3.3	S	R	R	1	3	5
LS03-4303	5	3	3	5.0	5.0	S	SEG	R	1	2	2
Md 01-5866	4	1	5	4.8	4.5	S	SEG	R	1	1	1
R00-1178F	5	5	4	3.8	5.0	S	SEG	S	5	15	28
R00-1194F	5	1	4	3.3	5.0	S	SEG	R	1	14	5
R02-3263RR	5	4	5	5.0	4.5	SEG	R	R	1	12	22
R03-1176	5	3	5	4.3	3.8	S	R	R	1	3	1
R03-176	5	3	4	4.0	4.8	S	SEG	R	1	1	3
S04-5969	5	4	4	5.0	5.0	S	SEG	R	1	1	1
S04-6008	4	4	4	4.8	5.0	S	SEG	MS	4	1	6
S04-6013	4	3	4	5.0	5.0	S	SEG	MS	4	3	4
TN02-226	1	1	2	5.0	4.3	S	SEG	MS	4	2	1
TN03-012RR	3	3	2	5.0	3.3	R	R	R	1	1	15
TN03-235	4	4	5	5.0	5.0	R	R	MS	4	2	2

TABLE 3 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2007

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN MD	WARSAW VA	
5002T	49.7	37.5	50.1	45.8
DK 4866	46.6	43.8	54.6	48.3
AG 4403	44.9	30.1	49.1	41.4
AG 4903	50.5	40.1	56.7	49.1
K04-3083RR	55.5	35.6	53.1	48.0
LS03-4294	61.8	35.5	56.1	51.2
LS03-4303	58.8	34.2	52.9	48.7
Md 01-5866	44.5	32.8	53.8	43.7
R00-1178F	43.0	34.2	53.5	43.6
R00-1194F	49.7	30.2	56.1	45.3
R02-3263RR	45.3	27.2	53.5	42.0
R03-1176	48.7	28.6	48.1	41.8
R03-176	54.8	31.5	51.0	45.8
S04-5969	45.8	31.2	49.1	42.0
S04-6008	47.3	27.9	50.6	41.9
S04-6013	45.5	29.4	54.8	43.2
TN02-226	46.8	37.5	51.3	45.2
TN03-012RR	52.2	34.6	56.0	47.6
TN03-235	52.1	31.8	51.3	45.1
LOCATION MEAN	49.7	33.4	52.7	45.2
L.S.D. (0.05)	7.6	8.2	6.2	6.0
C.V. (%)	9.0	14.9	7.1	11.3

TABLE 3 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE❖	ORANGE	PRINCETON❖	SPRINGFIELD❖	STARKVILLE	ULLIN	MEAN
	LA	TN	VA	KY	TN	MS	IL	
5002T	61.6	29.6	32.5	26.1	8.9	46.8	42.6	45.9
DK 4866	70.6	38.3	31.5	18.7	10.4	37.9	38.6	44.6
AG 4403	46.8	22.9	27.7	28.4	7.4	27.2	38.7	35.1
AG 4903	54.2	32.4	34.1	18.0	8.8	36.1	33.8	39.5
K04-3083RR	53.4	28.0	31.5	24.2	6.8	32.8	40.9	39.6
LS03-4294	51.1	29.0	27.8	19.0	9.7	26.7	40.0	36.4
LS03-4303	25.8	32.9	33.3	22.0	10.1	28.1	37.4	31.1
Md 01-5866	47.8	27.0	29.1	30.4	8.6	32.0	33.4	35.6
R00-1178F	62.2	21.7	26.6	30.2	9.9	39.4	38.9	41.8
R00-1194F	49.0	31.1	25.5	18.3	7.3	41.5	48.0	41.0
R02-3263RR	50.4	26.3	24.9	12.6	6.6	30.4	28.7	33.6
R03-1176	52.8	35.8	32.8	20.9	8.5	37.9	38.0	40.4
R03-176	41.1	25.4	28.6	17.9	10.5	25.4	29.9	31.2
S04-5969	46.1	19.9	30.4	27.2	11.2	36.6	40.6	38.4
S04-6008	53.0	16.4	26.0	24.0	7.1	34.1	37.6	37.7
S04-6013	52.8	23.2	31.0	19.0	7.1	36.2	38.0	39.5
TN02-226	45.7	34.8	24.9	19.4	9.7	29.9	34.2	33.7
TN03-012RR	57.8	27.6	28.6	20.4	9.1	28.3	39.0	38.4
TN03-235	38.0	27.9	29.9	25.6	9.9	29.8	30.7	32.1
LOCATION MEAN	50.5	27.9	29.3	22.2	8.8	33.5	37.3	37.7
L.S.D. (0.05)	8.8	13.1	6.5	9.6	4.5	7.0	7.0	7.3
C.V. (%)	8.3	28.4	13.5	26.0	30.6	12.5	11.4	16.3

❖Data not included in mean.

TABLE 3 ~ Continued

STRAIN/ VARIETY	DELTA					MEAN
	PINE TREE❖	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	
	AR	MO(A)	MO(B)	AR	MS	
5002T	60.9	53.0	72.4	74.7	69.1	67.3
DK 4866	53.4	54.7	75.9	82.1	62.4	68.8
AG 4403	42.7	54.2	69.0	72.1	51.7	61.8
AG 4903	54.3	54.6	67.2	80.4	61.5	65.9
K04-3083RR	59.0	55.6	73.3	73.0	61.6	65.9
LS03-4294	53.3	49.6	78.0	74.6	65.1	66.8
LS03-4303	40.1	31.7	61.0	63.4	43.7	50.0
Md 01-5866	49.6	50.6	72.3	71.0	58.5	63.1
R00-1178F	42.0	52.4	78.7	67.7	57.0	63.9
R00-1194F	46.7	55.9	79.5	79.4	61.8	69.2
R02-3263RR	34.7	42.4	71.1	75.7	59.6	62.2
R03-1176	51.1	47.2	66.0	62.4	52.9	57.1
R03-176	44.5	44.3	62.3	66.6	54.1	56.8
S04-5969	22.2	47.2	71.5	67.7	51.0	59.4
S04-6008	42.5	55.8	77.3	73.6	64.9	67.9
S04-6013	40.8	58.7	80.1	74.1	56.2	67.3
TN02-226	48.0	49.3	70.3	70.2	61.9	62.9
TN03-012RR	44.8	48.5	68.1	67.5	68.3	63.1
TN03-235	34.9	50.5	70.7	56.9	57.4	58.9
LOCATION MEAN	45.6	50.3	71.8	71.2	58.9	63.1
L.S.D. (0.05)	12.5	8.6	6.4	13.4	8.2	5.9
C.V. (%)	16.1	10.4	5.4	11.3	8.4	9.9

❖Data not included in mean.

TABLE 3 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	
5002T	39.8	39.8	28.2	35.9
DK 4866	28.6	66.3	24.4	39.8
AG 4403	27.3	55.2	23.8	35.4
AG 4903	36.3	65.0	30.2	43.9
K04-3083RR	41.3	62.7	30.3	44.8
LS03-4294	35.5	56.1	33.3	41.7
LS03-4303	30.5	26.2	24.4	27.0
Md 01-5866	28.0	53.6	31.1	37.5
R00-1178F	34.4	52.3	29.0	38.6
R00-1194F	31.8	54.8	28.6	38.4
R02-3263RR	26.5	62.8	21.8	37.0
R03-1176	33.0	58.7	25.4	39.0
R03-176	31.2	56.7	26.9	38.3
S04-5969	25.4	55.2	23.2	34.6
S04-6008	27.8	56.5	23.9	36.1
S04-6013	34.2	59.0	30.9	41.4
TN02-226	35.9	56.3	33.2	41.8
TN03-012RR	37.4	55.9	25.4	39.6
TN03-235	33.1	42.3	26.8	34.1
LOCATION MEAN	32.5	54.5	27.4	38.2
L.S.D. (0.05)	7.0	9.5	5.1	10.1
C.V. (%)	13.1	10.6	11.2	18.6

TABLE 4 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2007

OIL PERCENTAGES

STRAIN/ VARIETY	BOSSIER			ORANGE VA	PINE		PLYMOUTH NC(B)	PORTAGE -		PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA	KNOXVILLE❖ TN		TREE❖ AR	PITTSBURG KS		VILLE MO(A)	VILLE MO(B)						
5002T	21.4	.	21.7	18.7	.	21.7	24.9	23.1	.	19.9	20.2	23.0	22.6	21.1	21.9
DK 4866	20.8	.	21.7	18.1	.	20.8	23.4	21.0	.	18.2	20.2	21.6	19.9	20.7	20.7
AG 4403	20.7	.	23.2	20.1	.	22.9	26.5	24.7	.	20.3	22.7	24.6	22.8	23.5	23.2
AG 4903	20.7	.	21.5	20.1	.	21.5	24.4	22.1	.	21.1	21.6	23.0	20.6	22.5	21.8
K04-3083RR	20.1	.	21.0	19.8	.	21.3	22.4	20.6	.	20.0	21.1	22.5	21.2	20.9	21.1
LS03-4294	20.6	.	21.6	19.6	.	21.2	21.5	21.4	.	19.9	20.2	20.5	20.3	20.5	20.6
LS03-4303	20.3	.	21.6	18.9	.	20.4	22.2	21.5	.	19.2	19.8	22.3	19.7	20.0	20.6
Md 01-5866	21.9	.	23.3	20.2	.	21.8	25.7	21.8	.	21.5	22.0	23.0	21.8	22.1	22.3
R00-1178F	20.3	.	22.9	19.2	.	21.6	23.4	22.9	.	19.7	21.6	23.4	21.8	21.6	21.8
R00-1194F	21.1	.	22.6	19.5	.	21.6	24.0	20.6	.	22.8	21.1	22.7	21.6	21.6	21.5
R02-3263RR	20.3	.	22.8	20.4	.	22.1	23.5	21.6	.	21.0	21.4	22.6	21.6	22.0	21.7
R03-1176	20.9	.	23.3	20.9	.	21.0	21.8	21.8	.	23.6	19.7	22.7	21.2	20.2	21.1
R03-176	20.0	.	21.4	19.4	.	20.8	25.2	21.9	.	20.9	20.6	22.7	21.4	21.0	21.4
S04-5969	21.4	.	23.5	20.2	.	23.1	25.9	23.5	.	23.1	22.3	25.9	22.2	22.1	23.0
S04-6008	21.8	.	24.3	21.6	.	23.7	25.1	24.8	.	24.0	22.6	25.6	22.2	23.0	23.4
S04-6013	22.3	.	24.0	20.9	.	23.5	26.1	23.1	.	20.8	23.0	25.2	21.1	23.1	23.1
TN02-226	20.6	.	21.1	19.3	.	21.0	23.0	20.5	.	24.2	19.4	21.5	20.9	20.5	20.7
TN03-012RR	21.4	.	22.4	20.6	.	22.9	23.2	22.0	.	18.3	22.1	22.6	22.5	21.8	22.1
TN03-235	19.4	.	21.5	17.9	.	19.9	22.4	19.9	.	19.5	19.1	21.0	19.8	19.4	19.9

❖Data not included in mean.

TABLE 4 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	BOSSIER			ORANGE VA	PINE		PLYMOUTH NC(B)	PORTAGE -		PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE		ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA	KNOXVILLE❖ TN		TREE❖ AR	PITTSBURG KS		VILLE MO(A)	VILLE MO(B)			MS	VA			
5002T	42.7	.	41.6	41.2	.	40.1	32.5	41.7	.	40.9	40.2	42.1	41.4	37.2	39.9	
DK 4866	41.7	.	40.6	42.1	.	39.9	35.0	40.5	.	44.8	39.1	38.2	41.0	36.9	39.4	
AG 4403	42.0	.	41.6	42.1	.	38.2	32.9	39.4	.	41.4	38.2	39.1	39.7	34.8	38.5	
AG 4903	43.3	.	42.1	41.6	.	41.3	34.8	41.8	.	40.9	38.9	40.1	42.2	36.2	40.0	
K04-3083RR	43.6	.	42.0	41.0	.	40.4	37.8	42.9	.	43.5	39.2	40.2	41.4	40.1	40.7	
LS03-4294	43.8	.	40.9	41.6	.	41.1	40.3	41.6	.	42.8	40.9	41.7	42.2	39.6	41.4	
LS03-4303	44.3	.	42.6	40.9	.	40.5	40.4	42.8	.	42.2	41.2	43.9	43.2	40.2	41.9	
Md 01-5866	43.2	.	41.5	41.2	.	40.8	35.2	41.6	.	40.9	39.5	42.3	41.9	39.6	40.6	
R00-1178F	43.8	.	41.0	41.6	.	40.2	36.6	41.4	.	43.1	38.5	40.9	41.7	39.4	40.5	
R00-1194F	41.8	.	39.7	40.3	.	39.8	33.9	41.5	.	40.5	37.8	40.8	39.7	37.1	39.2	
R02-3263RR	40.9	.	37.3	38.7	.	39.0	34.5	39.2	.	42.1	37.8	36.4	38.4	35.9	37.9	
R03-1176	42.6	.	40.5	38.2	.	40.3	37.0	41.8	.	40.7	41.5	43.0	42.2	39.9	40.7	
R03-176	43.7	.	40.2	39.1	.	40.1	29.7	40.1	.	42.7	37.5	40.0	41.6	36.1	38.7	
S04-5969	41.2	.	40.8	41.2	.	36.9	33.4	39.6	.	39.3	36.5	38.3	40.0	36.0	38.1	
S04-6008	41.3	.	39.7	41.0	.	37.1	34.7	38.3	.	39.2	37.3	38.8	40.8	36.2	38.4	
S04-6013	41.0	.	39.7	40.8	.	36.6	34.8	39.3	.	42.5	36.2	37.8	41.1	36.5	38.2	
TN02-226	40.6	.	40.6	38.1	.	38.4	32.1	39.7	.	39.4	38.3	40.2	40.4	37.1	38.3	
TN03-012RR	40.5	.	39.5	38.0	.	37.0	35.2	38.2	.	43.1	36.0	38.6	37.9	37.3	37.6	
TN03-235	44.6	.	41.9	41.5	.	41.1	36.4	40.9	.	41.0	40.7	39.9	41.8	38.8	40.6	

❖Data not included in mean.

TABLE 4 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	BOSSIER			ORANGE VA	PINE TREE❖		PITTSBURG KS	PLYMOUTH NC(B)	PORTAGE -		PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA	KNOXVILLE❖ TN		VILLE MO(A)	VILLE MO(B)										
5002T	14.6	16.0	15.4	11.8	15.5	13.7	12.4	14.1	15.0	10.9	12.4	13.8	12.7	14.5	13.7	
DK 4866	13.0	18.1	18.1	14.7	13.3	13.6	12.0	12.6	14.7	12.0	13.6	10.4	10.1	13.5	13.3	
AG 4403	12.7	17.3	16.2	15.2	11.4	11.3	11.7	11.5	13.1	12.0	12.4	10.9	10.0	12.1	12.6	
AG 4903	15.0	17.9	16.9	15.5	14.0	14.9	13.0	12.3	13.8	12.2	14.4	11.1	11.0	13.6	13.9	
K04-3083RR	12.4	13.7	13.8	12.5	11.8	11.2	10.9	10.5	11.2	13.6	10.4	9.0	10.0	11.6	11.2	
LS03-4294	13.0	19.0	13.9	11.3	12.4	12.3	13.3	12.7	13.4	12.8	12.6	12.3	10.6	12.9	13.0	
LS03-4303	12.1	16.3	13.2	11.4	12.2	11.0	12.5	14.3	14.4	13.0	10.7	10.8	9.3	13.1	12.4	
Md 01-5866	14.4	18.7	16.7	13.0	13.6	16.2	13.5	13.3	13.7	13.2	12.4	11.9	11.4	14.8	13.9	
R00-1178F	16.2	15.2	15.0	14.0	14.3	14.1	12.5	11.9	14.2	11.3	13.3	11.2	11.0	14.0	13.4	
R00-1194F	14.4	15.9	15.1	13.1	12.2	13.1	11.2	11.1	13.0	10.3	12.3	11.2	11.1	13.0	12.7	
R02-3263RR	15.6	17.8	14.4	13.2	15.6	13.6	13.8	13.9	15.0	11.4	12.0	11.4	10.7	14.2	13.8	
R03-1176	16.3	17.5	16.5	12.5	15.9	13.1	14.7	14.3	16.9	8.8	11.8	13.8	12.8	15.1	14.4	
R03-176	12.6	14.6	11.3	10.5	11.6	11.5	10.0	9.9	11.7	11.0	11.7	10.8	8.8	11.3	11.2	
S04-5969	12.3	16.8	14.4	15.1	12.4	11.3	11.2	11.3	13.1	10.1	11.8	11.4	9.2	12.6	12.4	
S04-6008	12.9	14.3	14.5	14.6	11.7	13.0	11.5	11.1	12.0	9.8	11.8	10.4	9.2	12.0	12.1	
S04-6013	12.2	14.6	13.6	15.3	11.6	11.3	11.2	10.8	12.5	10.9	11.7	11.8	8.9	12.8	12.1	
TN02-226	14.5	16.2	14.0	11.9	14.2	12.5	12.7	12.2	13.2	8.8	11.9	12.4	11.5	13.7	13.0	
TN03-012RR	12.9	13.2	12.0	10.7	12.7	12.5	11.9	10.1	12.8	12.1	10.1	11.2	10.7	11.7	11.6	
TN03-235	14.8	11.1	14.8	12.3	13.7	14.9	13.6	12.3	14.8	11.9	11.5	12.1	10.8	13.6	12.9	

❖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, 2007

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC(B)	QUEENSTOWN MD	WARSAW VA		
5002T	10/04	10/10	10/08	10/07	
DK 4866	-6	1	1		-1
AG 4403	-8	-6	-4		-6
AG 4903	0	1	0		1
K04-3083RR	1	1	2		2
LS03-4294	1	2	1		2
LS03-4303	-7	-4	-1		-4
Md 01-5866	-2	2	1		0
R00-1178F	0	2	0		1
R00-1194F	-3	-3	0		-2
R02-3263RR	-2	-5	1		-1
R03-1176	-2	-2	-1		-1
R03-176	-3	-3	-1		-2
S04-5969	-7	-8	-4		-6
S04-6008	-7	-4	-3		-4
S04-6013	-8	-4	-2		-4
TN02-226	2	1	3		3
TN03-012RR	2	2	2		2
TN03-235	-5	-4	-1		-3

TABLE 5 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE❖	ORANGE	PRINCETON❖	SPRINGFIELD❖	STARKVILLE	ULLIN	MEAN
	LA	TN	VA	KY	TN	MS	IL	
5002T	.	09/25	10/03	.	09/26	.	10/02	10/02
DK 4866	.	-6	-2	.	-3	.	-8	-4
AG 4403	.	-12	-5	.	-6	.	-14	-9
AG 4903	.	1	-2	.	-1	.	-12	-6
K04-3083RR	.	-2	-5	.	-5	.	-2	-3
LS03-4294	.	-3	0	.	0	.	-7	-3
LS03-4303	.	-8	-7	.	-2	.	-13	-9
Md 01-5866	.	-1	0	.	-3	.	-8	-3
R00-1178F	.	-4	-5	.	-2	.	-4	-4
R00-1194F	.	-2	0	.	-6	.	-4	-2
R02-3263RR	.	-1	-7	.	-5	.	-9	-7
R03-1176	.	-4	-2	.	-5	.	-3	-2
R03-176	.	-7	-7	.	1	.	-11	-9
S04-5969	.	-17	-7	.	0	.	-15	-11
S04-6008	.	-13	-5	.	-5	.	-13	-8
S04-6013	.	-14	-5	.	-5	.	-14	-9
TN02-226	.	0	0	.	3	.	-2	0
TN03-012RR	.	-2	0	.	-4	.	-1	0
TN03-235	.	-7	-2	.	-4	.	-10	-6

❖Data not included in mean.

TABLE 5 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE❖	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5002T	09/24	09/27	09/30	09/20	09/12	09/22
DK 4866	-5	-6	-5	-2	-15	-7
AG 4403	-14	-17	-10	-7	-27	-15
AG 4903	-5	-6	-4	1	-15	-6
K04-3083RR	-2	3	1	2	5	3
LS03-4294	-9	-5	3	0	0	0
LS03-4303	-7	0	-5	-5	-15	-6
Md 01-5866	-4	-4	0	-1	-12	-4
R00-1178F	-5	-5	-2	1	-14	-5
R00-1194F	-4	-2	2	-1	-14	-4
R02-3263RR	-7	0	2	0	-16	-3
R03-1176	-1	-5	0	-5	-15	-6
R03-176	-6	-5	8	-2	-14	-3
S04-5969	-6	-17	-12	-7	-27	-16
S04-6008	-9	-15	-10	-4	-15	-11
S04-6013	-13	-16	-9	-4	-15	-11
TN02-226	17	0	3	0	5	2
TN03-012RR	-2	0	9	0	4	4
TN03-235	-5	-4	-1	-5	-14	-6

❖Data not included in mean.

TABLE 5 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	
5002T	.	09/17	.	09/17
DK 4866	.	-1	.	-1
AG 4403	.	-3	.	-3
AG 4903	.	-2	.	-2
K04-3083RR	.	-1	.	-1
LS03-4294	.	-2	.	-2
LS03-4303	.	-3	.	-3
Md 01-5866	.	-2	.	-2
R00-1178F	.	-1	.	-1
R00-1194F	.	-3	.	-3
R02-3263RR	.	-2	.	-2
R03-1176	.	-4	.	-4
R03-176	.	-2	.	-2
S04-5969	.	-3	.	-3
S04-6008	.	-4	.	-4
S04-6013	.	-2	.	-2
TN02-226	.	-3	.	-3
TN03-012RR	.	-2	.	-2
TN03-235	.	-3	.	-3

TABLE 6~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2007

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN MD	WARSAW VA	
5002T	35	18	22	25
DK 4866	41	23	29	31
AG 4403	41	19	28	29
AG 4903	40	22	32	31
K04-3083RR	46	22	35	34
LS03-4294	34	18	19	24
LS03-4303	28	15	17	20
Md 01-5866	32	19	21	24
R00-1178F	39	22	31	31
R00-1194F	37	19	28	28
R02-3263RR	44	23	36	34
R03-1176	29	13	17	19
R03-176	33	17	19	23
S04-5969	38	21	27	29
S04-6008	41	21	28	30
S04-6013	39	21	30	30
TN02-226	33	19	23	25
TN03-012RR	33	20	25	26
TN03-235	29	15	18	21

TABLE 6 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE❖	ORANGE	PRINCETON❖	SPRINGFIELD❖	STARKVILLE	ULLIN	MEAN
	LA	TN	VA	KY	TN	MS	IL	
5002T	19	27	29	35	17	21	34	26
DK 4866	33	29	24	31	17	24	42	30
AG 4403	36	26	23	35	18	20	43	31
AG 4903	34	28	25	34	16	24	41	31
K04-3083RR	39	29	27	34	18	31	43	35
LS03-4294	23	25	23	33	17	23	37	26
LS03-4303	14	22	21	34	17	17	31	21
Md 01-5866	19	26	23	34	16	18	33	23
R00-1178F	36	28	26	36	17	23	45	33
R00-1194F	32	27	20	29	18	23	40	29
R02-3263RR	39	31	25	34	18	28	47	35
R03-1176	17	24	25	35	19	16	34	23
R03-176	14	25	23	31	19	19	34	22
S04-5969	35	24	25	37	17	26	40	32
S04-6008	35	25	22	33	20	24	42	31
S04-6013	34	26	24	36	18	24	43	31
TN02-226	20	28	27	32	18	23	33	26
TN03-012RR	22	27	30	34	19	25	34	28
TN03-235	14	28	26	32	16	23	31	23

❖Data not included in mean.

TABLE 6 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE❖	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5002T	26	28	26	22	26	26
DK 4866	31	34	35	34	42	36
AG 4403	31	42	33	35	32	35
AG 4903	30	26	35	25	32	30
K04-3083RR	37	40	41	39	40	40
LS03-4294	22	35	28	26	24	28
LS03-4303	23	16	23	18	14	18
Md 01-5866	20	35	26	22	18	25
R00-1178F	40	27	35	35	36	33
R00-1194F	31	28	33	30	36	32
R02-3263RR	29	32	48	39	38	39
R03-1176	23	26	24	22	18	23
R03-176	20	40	27	21	20	27
S04-5969	30	34	37	34	34	35
S04-6008	27	26	37	34	32	32
S04-6013	30	39	34	35	32	35
TN02-226	27	12	32	23	26	23
TN03-012RR	29	18	32	24	28	26
TN03-235	22	17	26	22	20	21

❖Data not included in mean.

TABLE 6 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	
5002T	20	23	21	21
DK 4866	16	40	19	25
AG 4403	24	41	20	28
AG 4903	22	41	21	28
K04-3083RR	20	48	27	32
LS03-4294	19	29	21	23
LS03-4303	19	20	17	19
Md 01-5866	18	25	21	21
R00-1178F	23	41	25	30
R00-1194F	24	35	21	27
R02-3263RR	26	45	22	31
R03-1176	22	25	20	22
R03-176	20	25	20	22
S04-5969	22	42	20	28
S04-6008	23	40	20	28
S04-6013	20	40	20	27
TN02-226	23	25	23	24
TN03-012RR	21	30	26	26
TN03-235	20	22	20	20

**TABLE 7 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S,
2007**

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC(B)	QUEENSTOWN MD	WARSAW VA	
5002T	1.9	1.0	1.1	1.3
DK 4866	1.5	1.0	1.8	1.4
AG 4403	1.5	1.0	1.2	1.2
AG 4903	1.5	1.0	1.5	1.3
K04-3083RR	2.2	1.0	1.8	1.7
LS03-4294	1.5	1.0	1.1	1.2
LS03-4303	1.5	1.0	1.0	1.2
Md 01-5866	1.5	1.0	1.1	1.2
R00-1178F	1.5	1.0	1.8	1.4
R00-1194F	1.5	1.0	1.4	1.3
R02-3263RR	1.7	1.2	1.3	1.4
R03-1176	1.5	1.0	1.1	1.2
R03-176	1.5	1.0	1.0	1.2
S04-5969	1.5	1.0	1.2	1.2
S04-6008	1.7	1.0	1.2	1.3
S04-6013	1.8	1.0	1.3	1.4
TN02-226	1.5	1.0	1.4	1.3
TN03-012RR	2.0	1.0	1.3	1.4
TN03-235	2.0	1.0	1.1	1.4

TABLE 7 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE❖	ORANGE	PRINCETON❖	SPRINGFIELD❖	STARKVILLE	ULLIN	MEAN
	LA	TN	VA	KY	TN	MS	IL	
5002T	1.3	2.2	2.0	1.7	1.0	1.0	2.3	1.6
DK 4866	1.0	2.0	1.0	1.3	1.0	1.0	1.0	1.0
AG 4403	1.0	1.7	1.0	1.3	1.0	1.0	1.0	1.0
AG 4903	1.0	2.0	1.0	1.3	1.0	1.0	1.0	1.0
K04-3083RR	2.0	2.0	1.0	1.5	1.0	1.0	2.3	1.6
LS03-4294	1.0	1.7	1.0	1.0	1.0	1.0	1.0	1.0
LS03-4303	1.0	1.7	1.0	1.3	1.0	1.0	1.0	1.0
Md 01-5866	1.0	1.7	1.0	1.3	1.0	1.0	1.7	1.2
R00-1178F	1.8	2.2	1.0	1.3	1.0	1.0	1.3	1.3
R00-1194F	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
R02-3263RR	1.0	2.0	1.0	1.0	1.0	1.0	1.3	1.1
R03-1176	1.0	2.0	1.3	2.0	1.0	1.0	1.3	1.2
R03-176	1.0	2.0	1.0	1.7	1.0	1.0	1.0	1.0
S04-5969	1.3	1.7	1.0	1.7	1.0	1.0	1.0	1.1
S04-6008	1.0	2.0	1.0	1.3	1.0	1.0	1.0	1.0
S04-6013	1.3	2.2	1.0	1.0	1.0	1.0	1.0	1.1
TN02-226	1.0	2.0	1.3	1.7	1.0	1.0	1.0	1.1
TN03-012RR	1.0	2.0	1.7	1.5	1.0	1.0	2.7	1.6
TN03-235	1.0	2.3	1.7	2.0	1.0	1.0	1.7	1.3

❖Data not included in mean.

TABLE 7 ~ Continued

STRAIN/ VARIETY	DELTA						MEAN
	PINE TREE❖ AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS		
5002T	1.2	2.0	3.0	1.0	2.0	2.0	
DK 4866	1.3	2.0	3.0	1.0	2.0	2.0	
AG 4403	1.5	2.0	2.0	1.0	2.0	1.8	
AG 4903	1.3	2.0	3.0	1.0	2.0	2.0	
K04-3083RR	1.7	4.0	5.0	1.2	3.0	3.3	
LS03-4294	1.0	2.0	2.0	1.2	2.0	1.8	
LS03-4303	0.8	1.0	1.0	1.0	2.0	1.3	
Md 01-5866	1.3	1.0	2.0	1.0	2.0	1.5	
R00-1178F	1.7	4.0	3.0	1.2	3.0	2.8	
R00-1194F	1.3	3.0	3.0	1.0	3.0	2.5	
R02-3263RR	1.3	3.0	2.0	1.0	2.0	2.0	
R03-1176	1.0	2.0	2.0	1.0	2.0	1.8	
R03-176	0.7	1.0	2.0	1.0	2.0	1.5	
S04-5969	1.0	1.0	2.0	1.0	2.0	1.5	
S04-6008	1.0	2.0	3.0	1.0	2.0	2.0	
S04-6013	1.5	2.0	3.0	1.0	2.0	2.0	
TN02-226	1.0	2.0	2.0	1.0	2.0	1.8	
TN03-012RR	1.2	2.0	2.0	1.0	2.0	1.8	
TN03-235	0.8	1.0	2.0	1.0	2.0	1.5	

❖Data not included in mean.

TABLE 7 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	
5002T	.	2.0	1.0	1.5
DK 4866	1.0	1.7	1.0	1.2
AG 4403	.	1.7	1.0	1.3
AG 4903	.	1.7	1.0	1.3
K04-3083RR	1.0	3.0	1.0	1.7
LS03-4294	.	1.3	1.0	1.2
LS03-4303	1.0	1.0	1.0	1.0
Md 01-5866	.	1.3	1.0	1.2
R00-1178F	.	2.7	1.0	1.8
R00-1194F	1.0	1.7	1.0	1.2
R02-3263RR	.	1.3	1.0	1.2
R03-1176	1.0	1.3	1.0	1.1
R03-176	1.0	1.3	1.0	1.1
S04-5969	.	1.3	1.0	1.2
S04-6008	.	1.3	1.0	1.2
S04-6013	1.0	1.3	1.0	1.1
TN02-226	1.0	1.0	1.0	1.0
TN03-012RR	.	1.0	1.0	1.0
TN03-235	1.0	1.7	1.0	1.2

TABLE 8 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2007

STRAIN/ VARIETY	EAST		MEAN
	QUEENSTOWN MD	WARSAW VA	
5002T	1.0	1.6	1.3
DK 4866	1.0	1.8	1.4
AG 4403	1.0	1.4	1.2
AG 4903	1.0	1.6	1.3
K04-3083RR	1.0	1.9	1.5
LS03-4294	1.0	2.2	1.6
LS03-4303	1.0	1.6	1.3
Md 01-5866	1.0	1.7	1.4
R00-1178F	1.0	2.0	1.5
R00-1194F	1.0	1.7	1.4
R02-3263RR	1.0	1.5	1.3
R03-1176	1.0	1.6	1.3
R03-176	1.0	1.2	1.1
S04-5969	1.0	1.5	1.3
S04-6008	1.0	1.5	1.3
S04-6013	1.0	1.6	1.3
TN02-226	1.0	1.9	1.4
TN03-012RR	1.0	1.5	1.3
TN03-235	1.0	1.3	1.2

TABLE 8 ~ Continued

STRAIN/ VARIETY	SOUTH				MEAN
	KNOXVILLE❖ TN	ORANGE VA	PRINCETON❖ KY	ULLIN IL	
5002T	3.5	1.7	3.0	2.0	1.8
DK 4866	2.5	2.2	3.0	2.3	2.3
AG 4403	3.0	2.3	4.0	1.7	2.0
AG 4903	2.5	2.0	3.0	2.3	2.2
K04-3083RR	3.0	2.2	3.0	2.3	2.3
LS03-4294	2.5	1.5	4.0	2.0	1.8
LS03-4303	2.5	1.5	3.0	2.0	1.8
Md 01-5866	3.5	1.8	3.0	2.0	1.9
R00-1178F	3.0	1.7	2.0	2.7	2.2
R00-1194F	2.0	1.8	5.0	2.0	1.9
R02-3263RR	2.0	2.0	5.0	2.3	2.2
R03-1176	2.0	1.7	5.0	2.7	2.2
R03-176	1.5	1.5	4.0	2.0	1.8
S04-5969	2.5	2.3	5.0	2.3	2.3
S04-6008	3.0	3.2	5.0	2.0	2.6
S04-6013	2.5	2.7	4.0	2.0	2.3
TN02-226	2.5	1.7	3.0	2.7	2.2
TN03-012RR	2.5	1.8	3.0	1.3	1.6
TN03-235	1.5	1.5	2.0	2.0	1.8

❖Data not included in mean.

TABLE 8 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE❖ AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5002T	2.5	3.0	3.0	2.0	2.7
DK 4866	3.2	4.0	3.0	2.0	3.0
AG 4403	3.7	3.0	4.0	2.0	3.0
AG 4903	2.0	4.0	4.0	2.0	3.3
K04-3083RR	2.0	4.0	4.0	2.0	3.3
LS03-4294	1.7	3.0	3.0	2.0	2.7
LS03-4303	4.5	4.0	3.0	2.0	3.0
Md 01-5866	2.2	2.0	3.0	2.0	2.3
R00-1178F	3.2	4.0	4.0	2.0	3.3
R00-1194F	2.8	4.0	3.0	2.0	3.0
R02-3263RR	4.2	4.0	3.0	2.0	3.0
R03-1176	1.8	3.0	3.0	2.0	2.7
R03-176	2.0	3.0	3.0	2.0	2.7
S04-5969	4.5	3.0	4.0	2.0	3.0
S04-6008	4.0	3.0	4.0	2.0	3.0
S04-6013	3.7	3.0	4.0	2.0	3.0
TN02-226	3.3	4.0	4.0	2.0	3.3
TN03-012RR	1.8	3.0	3.0	2.0	2.7
TN03-235	3.0	2.0	3.0	2.0	2.3

❖Data not included in mean.

TABLE 8 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY LA	PITTSBURG KS	
5002T	3.8	2.0	2.9
DK 4866	2.0	2.0	2.0
AG 4403	2.2	2.0	2.1
AG 4903	1.5	3.0	2.3
K04-3083RR	1.3	2.0	1.7
LS03-4294	1.0	2.0	1.5
LS03-4303	1.0	3.0	2.0
Md 01-5866	1.0	3.0	2.0
R00-1178F	2.3	3.0	2.7
R00-1194F	1.5	3.0	2.3
R02-3263RR	1.8	3.0	2.4
R03-1176	1.0	3.0	2.0
R03-176	1.0	2.0	1.5
S04-5969	2.2	2.0	2.1
S04-6008	2.5	2.0	2.3
S04-6013	2.3	2.0	2.2
TN02-226	1.0	3.0	2.0
TN03-012RR	1.3	2.0	1.7
TN03-235	1.0	2.0	1.5

PRELIMINARY GROUP IV-S EARLY

2007

Preliminary Group IV-S Early (Relative Maturity 4.0-4.5) nurseries were planted at 13 locations. Data were obtained from 11 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, 2007**

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. CS204	NTCPR-5157 x NE3001	F4
6. CS237	N94-7784 x NE3001	F4
7. CS276	NTCPR-5157 x NE3001	F4
8. CS305	NTCPR-5157 x NE3001	F4
9. DS97-94-9	{Hartwig x [Linford x (PI437654xRipley)]} X{Hartwigx(PI 437.654xRipley)}	F6
10. DS-LG01-5087-6	LN93-11632 x LG96-1713	F7
11. DS-LG01-5087-9	LN93-11632 x LG96-1713	F7
12. JTN-4207	LS93-0375 X LS96-0735	F6
13. JTN-4407	SS94-7546 X HS93-4118	F6
14. JTN-4607	LS94-3207 X S95-1908-3-LOAM02	F9
15. LG04-6836	Rend x LG97-9486	5
16. Md 03-5108	U96-2208 x LN 95-6353	
17. Md 04-5545	N97-3363-3Tn12 x Md 00F2RW11-2	
18. Md 04-6006	N97-3363-3Tn24 x Md 00-6637	
19. R03-144	AP 4880 x 98602	
20. R03-984	R95-3235 x AP 4880	
21. R04-632	R98-1682 x HBK 5991	
22. R99-1613F	NKRA 452 x PI290126B	
23. S03-051CR	DK 4762 X DP 4847S	5
24. S03-578CR	LG95-5737 X SAVOY	5
25. S04-12996	LG97-9015 X HS93-4118	5
26. S04-19712	S98-1375 X HBK00327RR	5
27. S04-20912	SS98-3905 X S98-3940-4RR	5
28. S04-3962RR	U98-31442 X SG4820RR	5
29. S05-4338	P3 X S02-683CR	5
30. S05-9171	S00-9985-03 X S02-679CR	5
31. TN05-4008	LG97-9015 x HS93-4118	
32. TN05-4534RR	U98-307162/(Fowler/TN93-87RR)	
33. TN05-4703RR	5601T x S99-2607RR	
34. TN05-4715RR	C1981 x S99-4489RR	
35. TN05-8733RR	MD97-5905 x S99-4489RR	
36. V03-7426	Stressland x LG93-77	
37. V03-7740	Stressland x LG92-12	
38. V03-7833	Stressland x LG92-12	
39. V03-8283	Troll x Titan	

TABLE 11 ~ SEED YIELD, IN BUSHEL PER ACRE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY	COOPER	KNOXVILLE❖	ORANGE	PINE TREE❖	PLYMOUTH	PORTAGEVILLE	QUEENSTOWN❖	ROHWER	SPRINGFIELD	STONEVILLE	MEAN
	OK	TX	TN	VA	AR	NC	MO	MD	AR	TN	MS	
AG 3906	23.2	39.4	30.4	22.5	34.0	47.7	50.6	26.8	51.5	8.3	61.2	42.3
AG 4403	21.8	47.6	29.8	23.4	48.7	44.9	60.4+	20.9	70.0	7.6	67.3	47.9
AG 4103	17.0-	42.6	28.7	28.5	44.9	45.4	60.8+	23.7	62.4	11.6	62.2	45.5
LD00-3309	18.2	38.8	32.1	22.3	24.6	56.7	49.4	15.0-	21.5-	4.7	58.2	37.9
CS204	23.6	33.7	28.5	29.2+	72.1+	45.9	42.1	17.4-	63.7	6.6	52.8	41.6
CS237	23.4	34.4	23.0	25.2	22.5	44.1	43.2	21.2	52.4	6.4	52.7	39.3
CS276	24.2	26.1-	26.6	25.6	29.7	41.6	53.7	24.2	63.3	7.7	65.1	42.8
CS305	24.4	30.3	21.6	26.6	23.2	47.8	52.7	21.1	43.7	8.3	53.4	39.8
DS97-94-9	18.6	31.6	31.3	27.7	31.1	41.6	55.0	23.5	37.7	10.6	49.4	37.4
DS-LG01-5087-6	33.0+	37.6	31.8	28.2	43.5	43.1	50.4	19.7	68.9	7.2	53.2	44.9
DS-LG01-5087-9	31.0+	40.3	30.9	26.3	52.0	45.3	51.2	21.2	71.7	8.2	53.9	45.7
JTN-4207	28.1	39.2	20.6	22.2	46.7	43.1	55.0	30.6	62.9	5.9	62.3	44.7
JTN-4407	33.4+	38.3	33.9	24.7	47.1	44.6	49.5	25.6	75.9+	7.3	69.2	47.9
JTN-4607	21.5	31.8	35.9	22.7	54.9	47.7	55.3	22.3	73.6+	7.1	66.2	45.6
LG04-6836	25.8	48.5	35.4	28.3	49.8	48.3	54.0	19.0	69.7	7.5	66.7	48.8
Md 03-5108	19.1	48.0	24.5	25.0	38.4	33.5-	42.6	18.1	59.2	5.9	58.4	40.8
Md 04-5545	21.1	31.6	23.6	26.6	38.0	44.1	44.4	21.4	45.9	7.5	62.2	39.4
Md 04-6006	15.9-	25.8-	25.8	13.9-	18.5	40.3	41.9	17.5-	53.3	6.9	50.2	34.5-
R03-144	19.9	35.7	38.7	21.8	40.6	55.3	53.7	19.4	74.3+	5.8	65.6	46.6
R03-984	36.6+	21.8-	34.9	29.9+	38.4	44.0	44.3	19.5	57.6	6.8	49.6	40.5
R04-632	37.6+	34.6	37.2	19.4	47.3	44.2	44.8	28.2	74.9+	5.7	66.7	46.0
R99-1613F	31.5+	41.3	33.3	28.9+	34.6	47.3	49.4	23.5	29.7-	9.9	60.1	41.2
S03-051CR	21.8	42.2	17.3	24.9	39.7	44.2	48.4	18.8	44.1	5.4	60.6	40.9
S03-578CR	29.3+	33.4	36.5	32.9+	49.5	52.9	54.1	23.1	64.9	5.1	80.1+	49.6+
S04-12996	22.7	49.1	21.1	20.5	37.2	58.9+	55.9	22.2	69.1	4.1	64.3	48.7
S04-19712	25.4	32.0	24.9	23.3	50.3	49.3	51.3	24.4	64.2	7.3	49.4	42.2
S04-20912	22.2	33.2	20.7	29.5+	41.5	53.8	54.6	24.3	65.9	7.7	55.3	44.9
S04-3962RR	22.1	41.1	25.3	21.2	26.8	53.1	51.1	20.5	61.5	9.0	58.2	44.0
S05-4338	21.0	42.4	30.4	26.5	46.9	45.4	50.8	21.4	62.3	5.6	57.2	43.7
S05-9171	35.5+	35.5	27.0	29.7+	40.1	46.5	60.0+	27.9	66.6	6.5	64.4	48.3
TN05-4008	23.1	42.0	22.4	17.1	33.3	51.8	52.7	19.6	59.8	4.4	52.7	42.7
TN05-4534RR	26.4	37.3	18.9	18.2	29.4	49.9	49.1	22.1	50.4	5.0	54.4	40.8
TN05-4703RR	27.2	41.3	28.9	25.8	42.5	47.8	56.2	19.5	71.7	7.0	56.2	46.6
TN05-4715RR	36.0+	39.3	25.5	21.4	37.0	46.2	45.2	31.3	69.1	4.2	72.1	47.0
TN05-8733RR	40.6+	41.9	28.6	27.0	44.5	56.2	62.2+	34.4	73.1+	7.6	62.7	52.0+
V03-7426	18.4	43.2	23.1	23.4	34.0	45.2	47.2	19.9	59.3	6.7	60.5	42.4
V03-7740	20.1	34.5	22.8	26.4	36.9	45.9	47.9	21.4	72.6+	6.1	65.0	44.6
V03-7833	22.5	51.6+	26.6	28.6	42.4	43.7	38.8-	18.4	66.4	7.5	63.9	45.1
V03-8283	23.3	38.3	35.2	28.4	29.9	35.0-	47.0	14.9-	59.7	10.1	68.7	42.9
LOCATION MEAN	25.3	37.9	28.0	25.0	39.6	46.7	50.7	22.2	60.6	7.0	60.3	43.8
L.S.D. (0.05)	5.3	11.1	14.1	6.3	29.8	9.6	9.0	9.0	20.7	6.8	13.1	7.0
C.V. (%)	10.4	14.5	24.4	12.5	36.5	10.1	8.7	20.1	14.9	48.5	10.8	15.2

❖Data not included in mean.

TABLE 12 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE❖ TN	ORANGE VA	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	MEAN
AG 3906	21.2	21.5	19.9	24.9	23.7	21.2	24.8	22.9
AG 4403	21.0	23.5	20.3	27.2	23.8	21.0	25.6	23.6
AG 4103	20.6	21.9	19.8	25.0	24.0	21.1	24.2	22.7
LD00-3309	20.7	20.4	18.6	23.9	22.4	21.2	22.7	21.7
CS204	18.4	20.2	17.7	25.4	22.3	18.1	21.2	21.0
CS237	18.6	19.3	18.0	22.9	20.8	19.3	20.4	20.1
CS276	19.2	19.8	18.4	24.7	20.6	21.5	20.6	20.7
CS305	18.9	19.4	19.1	24.8	22.0	20.9	22.1	21.4
DS97-94-9	19.1	19.1	18.1	23.1	20.1	19.6	21.0	20.3
DS-LG01-5087-6	21.6	22.7	19.4	23.4	21.3	21.3	24.7	22.1
DS-LG01-5087-9	21.7	22.3	19.6	23.9	21.9	21.4	23.4	22.1
JTN-4207	20.2	20.3	18.1	22.5	21.5	20.6	22.6	21.0
JTN-4407	17.9	18.6	17.1	22.8	18.9	20.0	21.1	19.6
JTN-4607	20.0	21.4	19.3	22.5	21.7	20.3	23.0	21.3
LG04-6836	19.7	20.9	18.6	24.4	20.6	20.3	22.1	21.1
Md 03-5108	18.5	18.9	19.0	21.8	20.3	19.3	20.5	20.0
Md 04-5545	21.2	21.9	20.6	23.7	23.3	20.9	24.3	22.6
Md 04-6006	18.1	18.4	15.9	21.3	20.2	18.6	20.9	19.3
R03-144	21.6	22.7	20.4	26.0	24.2	22.1	23.8	23.2
R03-984	19.8	23.0	20.2	24.7	22.4	20.3	22.0	21.8
R04-632	22.5	23.8	20.3	27.1	23.2	23.3	21.1	22.8
R99-1613F	20.6	21.0	19.2	25.3	21.3	21.9	23.1	21.9
S03-051CR	20.4	21.9	19.4	24.0	22.0	23.3	22.9	21.7
S03-578CR	19.4	20.8	19.0	23.2	21.4	23.6	22.8	21.2
S04-12996	20.9	21.3	20.7	22.2	22.4	21.0	23.3	21.9
S04-19712	19.4	21.0	18.3	22.2	21.3	21.0	24.0	21.0
S04-20912	20.0	21.1	19.4	23.6	23.4	21.2	23.7	22.0
S04-3962RR	19.5	19.3	18.6	22.7	21.2	21.0	22.7	20.9
S05-4338	19.0	20.9	19.5	23.8	21.9	20.0	23.2	21.5
S05-9171	20.9	21.1	20.3	24.5	20.8	20.4	21.5	21.6
TN05-4008	20.6	21.6	20.6	23.9	22.8	21.0	23.3	22.2
TN05-4534RR	20.5	20.3	19.2	23.5	21.8	21.1	23.3	21.7
TN05-4703RR	19.6	18.7	18.3	22.3	19.7	20.8	22.5	20.5
TN05-4715RR	19.5	19.2	18.1	23.0	19.3	21.0	24.5	20.9
TN05-8733RR	20.8	20.8	19.8	25.4	22.3	20.8	23.4	22.3
V03-7426	19.3	21.6	19.6	24.9	21.6	21.7	23.1	21.7
V03-7740	20.1	22.3	19.9	22.7	22.0	20.4	24.4	21.8
V03-7833	20.9	22.1	20.5	25.9	22.7	21.1	23.4	22.7
V03-8283	19.7	20.2	19.4	26.7	22.4	21.7	22.8	22.2

❖Data not included in mean.

TABLE 13 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY	KNOXVILLE❖	ORANGE	PLYMOUTH	PORTAGEVILLE	QUEENSTOWN❖	STONEVILLE	MEAN
	OK	TN	VA	NC	MO(A)	MD	MS	
AG 3906	43.5	41.6	43.4	36.4	38.7	40.9	39.8	40.4
AG 4403	43.3	38.3	41.1	30.9	38.8	39.0	35.8	38.0
AG 4103	43.7	39.9	42.3	34.9	39.0	39.1	38.4	39.7
LD00-3309	43.7	41.3	42.7	36.2	39.0	40.7	40.0	40.3
CS204	44.3	41.2	42.5	30.7	38.5	40.3	41.1	39.4
CS237	43.9	42.9	43.7	35.7	41.0	41.3	41.1	41.1
CS276	44.9	42.1	43.5	32.6	40.3	38.9	40.8	40.4
CS305	46.0	42.6	44.2	35.1	41.0	41.5	41.5	41.6
DS97-94-9	43.4	40.9	38.3	32.8	41.5	37.7	40.2	39.2
DS-LG01-5087-6	40.1	39.9	40.2	33.7	41.1	38.0	36.4	38.3
DS-LG01-5087-9	39.8	39.5	40.5	32.7	40.4	37.7	37.7	38.2
JTN-4207	44.4	41.3	43.4	38.1	40.4	40.7	39.2	41.1
JTN-4407	44.8	40.0	43.0	33.2	41.0	38.8	38.8	40.2
JTN-4607	44.1	43.0	41.1	37.0	42.0	40.6	41.9	41.2
LG04-6836	43.6	41.2	43.3	32.4	41.9	41.2	38.9	40.0
Md 03-5108	47.4	45.0	44.2	39.6	41.9	42.5	42.3	43.1
Md 04-5545	43.3	41.5	42.3	39.3	41.3	43.3	39.0	41.0
Md 04-6006	45.1	41.4	42.3	39.2	42.6	42.6	39.4	41.7
R03-144	41.4	38.5	40.7	30.9	37.9	37.9	36.7	37.5
R03-984	42.5	37.7	38.2	31.0	40.4	39.5	39.3	38.3
R04-632	42.7	39.5	40.2	29.6	40.1	37.3	38.8	38.3
R99-1613F	42.0	40.2	40.3	32.2	41.5	38.8	38.3	38.9
S03-051CR	43.3	41.9	42.6	34.5	40.7	37.2	39.4	40.1
S03-578CR	43.3	41.0	42.0	36.3	39.5	37.1	37.7	39.8
S04-12996	43.2	40.5	42.0	39.9	38.6	38.7	35.7	39.9
S04-19712	44.0	41.9	42.7	38.0	41.1	37.9	36.2	40.4
S04-20912	44.7	42.3	43.9	38.0	40.1	38.7	38.2	41.0
S04-3962RR	44.7	43.0	42.8	37.5	40.4	39.0	37.7	40.6
S05-4338	45.3	42.3	42.8	35.1	41.4	40.4	39.3	40.8
S05-9171	43.4	42.0	41.0	34.1	41.4	39.8	39.5	39.9
TN05-4008	41.6	41.1	39.8	35.3	37.2	38.8	36.4	38.1
TN05-4534RR	42.2	42.0	42.2	37.1	39.1	37.1	36.3	39.4
TN05-4703RR	46.3	42.6	42.5	39.0	42.6	38.0	38.3	41.7
TN05-4715RR	44.0	43.6	43.1	37.0	43.7	37.7	39.0	41.4
TN05-8733RR	42.9	41.1	41.7	33.4	40.0	41.2	37.1	39.0
V03-7426	45.7	41.1	43.9	34.4	40.7	39.1	39.4	40.8
V03-7740	46.0	41.9	44.0	39.1	42.2	42.3	41.7	42.6
V03-7833	44.8	41.7	42.9	36.1	41.3	42.3	39.4	40.9
V03-8283	43.5	37.9	41.3	29.1	37.1	42.0	36.8	37.6

❖Data not included in mean.

TABLE 14 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE❖ TN	ORANGE VA	PINE TREE❖ AR	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	MEAN
AG 3906	15.7	19.8	20.4	12.0	15.1	13.2	14.5	17.0	16.3
AG 4403	12.7	14.4	15.0	12.2	11.1	11.0	12.0	12.1	12.4
AG 4103	14.9	16.5	17.2	11.6	13.3	12.6	13.4	14.2	14.4
LD00-3309	11.5	13.8	15.2	9.2	13.3	10.6	12.4	12.6	12.6
CS204	12.7	18.9	17.9	13.7	13.5	14.2	12.0	17.9	15.2
CS237	16.5	19.9	18.0	11.6	15.3	15.0	14.3	19.6	16.9
CS276	13.4	18.3	17.2	12.2	11.5	11.7	13.7	13.8	13.5
CS305	13.6	17.9	18.7	11.8	13.8	13.2	14.5	16.8	15.2
DS97-94-9	10.9	11.4	8.7	11.5	9.3	11.8	9.8	14.5	11.0
DS-LG01-5087-6	11.9	15.7	11.8	10.5	11.4	10.4	11.5	11.7	11.4
DS-LG01-5087-9	13.3	14.6	12.2	11.2	11.6	11.2	11.4	11.2	11.9
JTN-4207	14.4	17.6	16.9	12.1	13.4	12.2	15.4	14.5	14.3
JTN-4407	12.2	12.0	13.1	12.0	9.6	9.2	11.6	10.9	11.0
JTN-4607	12.8	14.5	13.4	12.0	12.0	12.7	12.5	13.0	12.8
LG04-6836	13.6	14.6	14.2	11.3	11.2	11.6	12.7	11.6	12.4
Md 03-5108	13.7	17.1	17.8	11.7	14.1	13.4	14.8	15.7	14.9
Md 04-5545	12.3	13.3	12.8	11.0	12.8	11.7	13.1	13.1	12.5
Md 04-6006	11.8	15.0	13.8	11.5	14.7	12.8	13.9	13.3	13.3
R03-144	14.3	14.7	16.4	12.6	12.7	11.5	12.8	13.7	13.7
R03-984	11.8	10.8	10.0	9.8	9.1	10.8	9.7	12.8	10.9
R04-632	14.6	14.5	10.8	12.6	11.3	13.2	12.7	10.0	12.0
R99-1613F	14.5	13.8	12.1	11.7	12.6	11.8	12.1	12.9	12.8
S03-051CR	13.5	15.4	14.3	11.2	12.7	12.0	12.3	13.8	13.3
S03-578CR	16.3	15.6	15.2	12.4	13.7	12.8	13.2	15.4	14.7
S04-12996	14.5	14.2	15.3	10.9	14.1	10.0	13.5	12.4	13.3
S04-19712	14.9	15.4	14.4	14.3	14.4	12.1	13.1	13.0	13.8
S04-20912	14.2	16.1	16.7	11.0	15.1	12.0	13.5	13.9	14.4
S04-3962RR	16.1	17.9	18.0	13.1	16.1	14.1	16.7	15.2	15.9
S05-4338	15.3	17.2	15.4	12.6	12.9	11.8	13.1	13.5	13.8
S05-9171	15.1	17.0	15.5	11.8	11.8	12.2	13.1	14.9	13.9
TN05-4008	15.3	16.1	17.8	10.4	14.2	12.4	12.2	14.1	14.8
TN05-4534RR	15.2	13.3	14.0	11.1	13.5	10.6	10.8	11.5	13.0
TN05-4703RR	13.3	13.6	11.8	11.8	12.5	10.8	10.6	10.4	11.7
TN05-4715RR	12.0	12.5	11.1	10.6	10.8	9.8	11.0	10.0	10.7
TN05-8733RR	15.1	14.1	14.6	11.0	12.7	12.2	13.3	11.9	13.3
V03-7426	12.2	12.5	14.7	9.7	10.2	11.8	10.6	11.6	12.1
V03-7740	15.0	14.8	16.3	11.2	15.6	13.2	13.9	15.8	15.2
V03-7833	11.7	14.5	15.8	11.2	12.2	10.6	11.2	13.3	12.7
V03-8283	13.4	15.1	15.9	11.6	11.8	13.6	12.7	12.7	13.5

❖Data not included in mean.

TABLE 15 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY OK	COOPER TX	KNOXVILLE❖ TN	ORANGE VA	PINE TREE❖ AR	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	ROHWER AR	SPRINGFIELD❖ TN	STONEVILLE MS	MEAN
AG 3906	17	23	25	20	18	34	31	18	29	17	32	26
AG 4403	20	30	27	20	15	39	25	19	34	17	38	29
AG 4103	22	27	23	20	23	42	26	18	33	19	32	29
LD00-3309	21	26	25	18	27	35	43	14	21	20	30	28
CS204	20	18	21	22	25	31	40	17	24	18	22	25
CS237	17	18	21	18	22	32	22	16	21	15	20	21
CS276	17	22	22	23	10	39	24	19	32	18	30	27
CS305	19	22	23	21	21	34	41	19	22	17	24	26
DS97-94-9	15	21	25	26	28	30	22	16	18	16	24	22
DS-LG01-5087-6	29	36	34	25	19	48	25	19	37	22	44	35
DS-LG01-5087-9	21	36	30	25	20	47	28	21	36	23	46	34
JTN-4207	26	33	25	22	26	42	39	23	29	18	40	33
JTN-4407	29	32	26	23	24	44	36	22	37	15	42	35
JTN-4607	20	29	35	26	15	36	23	20	28	19	28	27
LG04-6836	23	32	27	22	22	42	28	17	36	18	40	32
Md 03-5108	26	30	25	23	27	44	23	19	35	20	38	31
Md 04-5545	27	28	28	26	13	39	29	19	29	18	38	31
Md 04-6006	21	23	22	20	17	35	31	14	26	19	32	27
R03-144	26	31	30	21	23	40	22	18	31	17	34	29
R03-984	18	18	26	26	15	33	23	19	22	17	18	22
R04-632	25	36	32	23	25	41	17	24	34	15	40	31
R99-1613F	26	36	31	26	26	42	23	21	30	18	42	32
S03-051CR	28	32	25	23	24	43	24	22	35	17	36	31
S03-578CR	27	31	24	25	33	45	29	22	29	15	33	31
S04-12996	27	28	20	18	15	36	39	18	29	17	38	31
S04-19712	28	34	27	25	17	52	47	23	40	19	48	39
S04-20912	30	26	25	20	21	43	20	19	30	16	40	30
S04-3962RR	33	26	23	18	17	37	25	17	30	14	40	30
S05-4338	25	33	27	25	22	43	20	23	31	16	42	31
S05-9171	31	32	27	25	19	44	27	24	36	18	42	34
TN05-4008	33	22	21	17	26	34	46	20	26	15	38	31
TN05-4534RR	22	28	24	16	24	38	25	20	31	20	38	28
TN05-4703RR	32	36	33	28	14	54	33	31	43	20	46	39
TN05-4715RR	28	32	29	25	12	45	21	27	38	21	42	33
TN05-8733RR	28	31	31	27	19	42	43	26	38	19	42	36
V03-7426	21	31	27	18	28	38	32	19	30	17	38	30
V03-7740	19	28	30	22	18	41	26	22	32	19	38	29
V03-7833	23	32	29	23	32	40	43	22	35	16	36	33
V03-8283	25	28	32	22	21	41	38	20	34	15	36	32

❖Data not included in mean.

TABLE 16 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2007

STRAIN/ VARIETY	BIXBY	KNOXVILLE❖	ORANGE	PINE TREE❖	PLYMOUTH	PORTAGEVILLE	QUEENSTOWN❖	ROHWER	SPRINGFIELD❖	STONEVILLE	MEAN
	OK	TN	VA	AR	NC	MO(A)	MD	AR	TN	MS	
AG 3906	.	2.0	1.0	0.8	1.5	3.0	1.0	1.0	1.0	2.0	1.7
AG 4403	.	2.0	1.0	0.5	1.5	1.0	1.0	1.0	1.0	2.0	1.3
AG 4103	.	1.8	1.0	1.0	1.5	1.0	1.0	1.0	1.0	2.0	1.3
LD00-3309	1.0	1.8	1.0	1.0	1.3	3.0	1.0	1.0	1.0	2.0	1.5
CS204	.	1.8	2.0	1.0	2.5	4.0	1.0	1.0	1.0	2.0	2.3
CS237	.	1.5	1.0	0.8	1.5	1.0	1.0	1.0	1.0	2.0	1.3
CS276	.	1.5	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	1.4
CS305	1.0	2.0	1.5	0.8	1.5	2.0	1.0	1.0	1.0	2.0	1.5
DS97-94-9	.	2.0	2.0	1.0	2.5	2.0	1.0	1.0	1.0	2.0	1.9
DS-LG01-5087-6	.	3.0	1.0	0.8	2.8	2.0	1.0	5.0	1.0	4.0	3.0
DS-LG01-5087-9	.	2.3	1.0	1.0	2.5	2.0	1.0	5.0	1.0	4.0	2.9
JTN-4207	.	2.0	1.0	1.0	1.5	1.0	1.0	1.0	1.0	2.0	1.3
JTN-4407	1.0	2.3	1.0	1.5	2.3	2.0	1.0	1.3	1.0	2.0	1.6
JTN-4607	.	3.0	1.5	0.8	2.0	1.0	1.0	1.0	1.0	2.0	1.5
LG04-6836	.	1.8	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.6
Md 03-5108	.	1.5	1.0	1.5	3.0	2.0	1.0	1.3	1.0	2.0	1.9
Md 04-5545	.	2.8	1.0	1.3	3.3	2.0	1.0	1.0	1.0	3.0	2.1
Md 04-6006	.	1.0	1.0	1.0	1.8	1.0	1.0	1.0	1.0	2.0	1.4
R03-144	.	3.0	1.0	1.0	1.8	1.0	1.0	1.0	1.0	3.0	1.6
R03-984	.	2.3	1.0	0.8	1.3	1.0	1.0	1.0	1.0	2.0	1.3
R04-632	1.0	2.5	1.0	0.8	2.0	1.0	1.0	3.5	1.0	3.0	1.9
R99-1613F	.	2.3	1.0	2.0	1.5	2.0	1.0	1.0	1.0	3.0	1.7
S03-051CR	.	1.8	1.0	1.0	1.5	1.0	1.0	1.0	1.0	3.0	1.5
S03-578CR	1.0	1.8	1.0	1.5	1.5	1.0	1.0	1.0	1.0	2.0	1.3
S04-12996	.	1.3	1.0	1.0	1.5	4.0	1.0	1.0	1.0	2.0	1.9
S04-19712	.	2.0	1.0	0.8	2.5	3.0	1.0	1.8	1.0	3.0	2.3
S04-20912	.	1.3	1.0	1.3	2.0	1.0	1.0	1.0	1.0	2.0	1.4
S04-3962RR	.	1.5	1.0	0.5	1.5	1.0	1.0	1.0	1.0	2.0	1.3
S05-4338	.	2.0	1.0	0.5	3.0	1.0	1.0	1.5	1.0	3.0	1.9
S05-9171	.	2.8	1.0	0.8	1.5	3.0	1.0	1.3	1.0	3.0	2.0
TN05-4008	1.0	1.8	1.0	1.3	1.5	2.0	1.0	1.0	1.0	2.0	1.4
TN05-4534RR	.	1.5	1.0	0.8	3.5	2.0	1.0	1.5	1.0	3.0	2.2
TN05-4703RR	1.0	3.0	1.0	0.8	2.3	2.0	1.0	1.3	1.0	3.0	1.8
TN05-4715RR	.	2.0	1.0	0.5	1.5	1.0	1.0	1.0	1.0	3.0	1.5
TN05-8733RR	1.0	2.3	1.0	1.3	1.8	4.0	1.0	1.0	1.0	2.0	1.8
V03-7426	.	1.8	1.0	1.0	3.0	3.0	1.0	1.0	1.0	2.0	2.0
V03-7740	1.0	1.8	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	1.3
V03-7833	.	1.5	1.0	1.8	3.3	3.0	1.0	1.3	1.0	2.0	2.1
V03-8283	1.0	2.5	1.0	1.0	3.5	2.0	1.0	2.3	1.0	2.0	2.0

❖Data not included in mean.

**TABLE 17 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S
EARLY, 2007**

STRAIN/ VARIETY	KNOXVILLE❖ TN	ORANGE VA	PINE TREE❖ AR	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	MEAN
AG 3906	2.5	2.3	4.5	4.0	1.5	2.0	2.8
AG 4403	2.5	2.3	3.0	3.0	1.0	2.0	2.4
AG 4103	2.5	2.5	3.5	3.0	1.0	2.0	2.5
LD00-3309	2.0	3.0	4.3	3.0	1.3	2.0	2.7
CS204	3.0	3.5	4.0	4.0	1.0	2.0	3.2
CS237	3.5	2.8	4.8	4.0	1.3	2.0	2.9
CS276	3.0	3.5	3.3	4.0	1.0	3.0	3.5
CS305	3.5	3.0	3.5	4.0	1.3	2.0	3.0
DS97-94-9	3.0	1.5	3.8	3.0	1.5	2.0	2.2
DS-LG01-5087-6	2.5	2.0	2.0	3.0	1.0	2.0	2.3
DS-LG01-5087-9	1.5	2.0	2.8	4.0	1.3	2.0	2.7
JTN-4207	3.0	2.3	4.8	4.0	1.0	2.0	2.8
JTN-4407	2.5	2.8	3.3	3.0	1.5	3.0	2.9
JTN-4607	2.0	1.5	0.8	4.0	1.0	3.0	2.8
LG04-6836	2.0	2.0	2.3	4.0	1.0	2.0	2.7
Md 03-5108	1.5	2.5	4.5	3.0	1.0	2.0	2.5
Md 04-5545	3.0	1.5	4.5	3.0	1.0	2.0	2.2
Md 04-6006	4.0	4.5	5.0	4.0	2.0	2.0	3.5
R03-144	3.0	2.8	2.3	3.0	1.0	2.0	2.6
R03-984	1.5	1.5	2.3	3.0	1.0	3.0	2.5
R04-632	2.0	1.5	2.8	4.0	1.3	3.0	2.8
R99-1613F	2.5	1.8	3.5	3.0	1.5	3.0	2.6
S03-051CR	2.0	2.0	3.8	4.0	1.5	2.0	2.7
S03-578CR	2.0	2.0	2.0	4.0	1.0	3.0	3.0
S04-12996	2.0	2.3	4.0	4.0	1.5	2.0	2.8
S04-19712	2.5	2.5	4.5	4.0	1.5	2.0	2.8
S04-20912	3.0	1.8	3.8	4.0	1.5	2.0	2.6
S04-3962RR	3.0	3.8	4.0	4.0	2.0	2.0	3.3
S05-4338	2.5	1.8	3.3	3.0	1.3	2.0	2.3
S05-9171	2.0	1.5	3.0	4.0	1.5	2.0	2.5
TN05-4008	2.5	3.5	4.0	4.0	1.5	2.0	3.2
TN05-4534RR	1.5	2.0	4.8	4.0	1.5	2.0	2.7
TN05-4703RR	3.0	1.5	2.5	3.0	1.5	2.0	2.2
TN05-4715RR	3.5	1.3	1.5	4.0	1.0	3.0	2.8
TN05-8733RR	3.0	1.8	4.3	3.0	1.0	2.0	2.3
V03-7426	2.5	2.8	4.3	4.0	1.8	2.0	2.9
V03-7740	1.5	2.0	4.3	3.0	1.0	2.0	2.3
V03-7833	1.5	2.3	3.8	4.0	1.3	2.0	2.8
V03-8283	3.0	4.0	3.5	4.0	1.8	2.0	3.3

❖Data not included in mean.

PRELIMINARY GROUP IV-S LATE

2007

Preliminary Group IV-S Late (Relative Maturity 4.6-4.9) nurseries were planted at 14 locations. Data were obtained from 11 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, 2007**

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. JTN-4307	S97-1688 x V 94-0198-5-LOAM02	F8
6. JTN-4507	S97-1688 x V 94-0198-13-LOAM02	F8
7. K05-3457	TN96-68 X MD97-6065	F5
8. K05-3468	TN96-68 X MD97-6065	F5
9. K05-4985 RR	S99-2281 X K03W-104	F5
10. K05-5023 RR	S99-2291 X LD00-10613	F5
11. LS04-48065	LS97-3406 x LS97-3915	F6
12. Md 03-5527	Md 86-5788 x CX1834-1-2	
13. Md 04-5119	Md 96-5275 x V94-0198	
14. Md 04-6101	R95-1705 x Md 86-5788	
15. NCC04-8610	TN96-58 x N93-54 RR, BC2F1	F4:9
16. NCC04-8997	TN96-58 x N93-54 RR, BC2F1	F4:9
17. R02-3059	DT96-6840 x HBK 5990	
18. R03-891	V94-1295 x R96-209	
19. R04-1073	R96-206 x 99501	
20. R04-122	R96-209 x R00-214F	
21. R04-198	SS-516 x R96-209	
22. S05-4367	P3 X S02-611CR	5
23. S05-4604	P1 X S02-670CR	5
24. S05-4658	P1 X S02-670CR	5
25. S05-4731	P1 X S02-604CR	5
26. S05-9223	U98-311442 X S02-683CR	5
27. S05-9256	U98-311442 X S02-683CR	5
28. TN03-233	TV5797 x TN 4-94	
29. TN04-124	5601T x S94-1867	
30. TN05-4712RR	C1981 x S99-4489RR	
31. TN05-5109	S97-1688 x CX1834-1-2	
32. 56Cx-548	S97-1688 x CX1834-1-2	
33. V03-3719	V92-0254 X Md94-5341	
34. V03-4298	V92-0974 X Md92-5769	
35. V03-4660	V93-2329 X Anand	
36. V03-4661	V93-2329 X Anand	
37. V03-4726	V93-2329 X Anand	

TABLE 20 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	COOPER TX	PINE TREE❖ AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	MEAN
5002T	40.7	35.5	44.2	26.8	41.2	58.1	25.4	20.5	76.1	65.0	38.1	44.7
DK 4866	24.3-	41.6	49.6	26.5	46.2	57.6	14.1-	19.5	84.7	66.1	33.9	44.5
AG 4403	23.7-	40.7	34.2	23.7	52.1+	59.0	9.9-	22.4	76.8	45.9-	37.7	42.4
AG 4903	32.5-	36.9	53.7	31.3+	51.7+	59.3	17.8	26.3+	84.0	63.6	28.8	46.1
JTN-4307	29.4-	35.8	32.7	32.7+	54.9+	52.4	24.3	28.0+	59.0-	54.4	40.8	43.1
JTN-4507	42.3	42.9	45.8	30.5	45.5	48.9-	20.5	30.2+	74.2	60.5	39.2	46.0
K05-3457	30.8-	43.8	41.3	30.2	51.1+	51.5	20.2	20.2	80.0	68.7	40.8	46.4
K05-3468	37.3	32.8	51.2	29.1	40.5	51.2	20.6	17.9	69.4	75.3	35.0	43.2
K05-4985 RR	24.6-	37.6	43.5	30.9+	46.1	49.1-	20.5	28.4+	73.0	56.5	40.8	43.0
K05-5023 RR	24.7-	30.2	27.8	37.0+	51.7+	45.8-	22.0	29.3+	63.9	44.8-	32.0	39.9
LS04-48065	30.9-	36.7	20.2-	29.7	48.4	45.5-	6.9-	20.2	40.8-	44.3-	29.7	36.2-
Md 03-5527	30.5-	45.6+	32.9	21.5-	40.4	36.9-	5.7-	14.4-	55.5-	46.3-	16.4-	34.2-
Md 04-5119	29.3-	29.3	24.1	25.4	53.4+	49.7-	18.3	30.3+	66.5	43.5-	40.1	40.8
Md 04-6101	22.4-	39.8	29.9	22.8-	44.2	46.3-	12.6-	19.1	68.8	39.1-	27.5-	36.7-
NCC04-8610	24.1-	32.3	27.0	38.8+	47.2	52.0	23.6	30.6+	61.8	60.9	40.4	43.1
NCC04-8997	33.1-	22.3-	42.0	34.2+	41.3	50.8-	19.0	19.5	54.2-	56.5	31.8	38.2-
R02-3059	37.6	39.2	57.5	28.4	42.0	48.1-	27.0	16.7	64.4	72.9	38.2	43.1
R03-891	39.2	41.4	46.9	25.0	50.6+	47.6-	19.7	15.7	79.3	64.4	32.9	44.0
R04-1073	34.2-	29.6	71.7+	30.1	46.9	52.5	22.8	15.6	77.2	71.4	37.6	43.9
R04-122	36.5	31.8	35.8	32.1+	54.6+	60.0	27.3	18.6	71.5	68.4	32.4	45.1
R04-198	40.3	36.9	51.8	34.5+	53.0+	51.8	20.9	18.5	72.1	68.5	35.7	45.7
S05-4367	39.0	44.7	48.1	28.9	42.3	52.0	12.9-	26.6+	74.2	46.5-	33.0	43.0
S05-4604	32.9-	44.5	54.8	31.3+	46.9	57.4	15.2-	20.2	70.2	54.9	29.9	43.1
S05-4658	35.3	38.4	45.5	30.5	52.2+	49.7-	17.5	24.1	72.7	47.2-	33.0	42.6
S05-4731	29.4-	31.5	62.3	25.2	54.7+	48.0-	15.2-	25.1	45.9-	49.8-	26.4-	37.3-
S05-9223	33.0-	36.3	40.5	35.6+	42.4	45.8-	9.5-	29.6+	72.8	53.4	37.7	42.9
S05-9256	30.6-	35.7	53.7	37.2+	50.2+	51.0-	10.2-	33.8+	66.3	49.3-	36.6	43.4
TN03-233	25.6-	24.6-	13.4-	27.3	59.1+	51.5	19.0	15.3	60.0-	41.7-	41.0	38.5-
TN04-124	32.1-	31.8	27.5	32.2+	52.4+	45.2-	24.1	29.9+	67.6	70.6	35.0	44.1
TN05-4712RR	25.7-	34.2	35.0	31.8+	38.7	49.4-	12.6-	20.2	53.8-	52.8	33.4	37.8-
TN05-5109	36.3	43.1	54.2	31.6+	38.6	46.6-	17.7	29.7+	66.7	55.1	36.5	42.7
56Cx-548	23.8-	32.7	24.7	23.0-	40.3	47.9-	12.2-	16.9	55.9-	63.3	25.3-	36.6-
V03-3719	32.0-	43.0	39.1	30.4	49.3	51.4	10.6-	22.2	74.0	65.0	28.7	44.0
V03-4298	41.1	34.3	40.8	32.1+	51.2+	58.9	19.0	13.6-	49.5-	68.2	38.6	43.1
V03-4660	29.7-	43.6	22.9-	33.8+	58.0+	48.6-	14.8-	27.9+	81.2	67.6	34.6	47.2
V03-4661	28.4-	39.4	15.5-	33.7+	55.1+	40.9-	18.6	30.6+	75.0	52.5	41.6	44.1
V03-4726	36.3	35.0	18.7-	31.7+	48.3	47.7-	21.2	25.9	79.1	35.2-	39.2	42.0
LOCATION MEAN	31.9	36.6	39.5	30.2	48.2	50.4	17.6	23.1	68.1	57.0	34.6	42.2
L.S.D. (0.05)	5.7	9.5	20.7	3.7	8.9	7.0	7.9	5.8	15.6	14.9	10.1	6.0
C.V. (%)	8.9	11.8	25.9	6.1	9.1	6.8	22.2	12.3	10.9	12.9	14.3	15.4

❖Data not included in mean.

TABLE 21 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	MEAN
5002T	21.6	21.3	24.7	23.0	18.0	21.2	23.3	22.2	22.5
DK 4866	19.8	20.8	22.7	21.0	20.4	20.6	21.9	18.9	20.8
AG 4403	21.7	23.9	25.1	23.4	21.4	23.0	25.6	21.7	23.5
AG 4903	20.9	22.3	22.8	21.8	20.4	22.8	23.6	19.3	21.9
JTN-4307	20.8	21.2	22.2	20.3	16.9	20.9	22.5	22.0	21.4
JTN-4507	20.7	21.2	21.8	21.1	19.2	20.7	23.1	21.7	21.5
K05-3457	20.9	21.0	24.1	21.8	19.0	20.1	23.3	21.0	21.7
K05-3468	21.2	21.3	24.2	22.5	19.9	20.8	23.6	21.9	22.2
K05-4985 RR	18.7	20.2	22.7	19.7	18.3	20.1	21.5	19.6	20.4
K05-5023 RR	20.4	21.0	22.0	21.0	18.9	21.1	22.4	20.5	21.2
LS04-48065	20.5	21.1	24.2	22.1	21.8	21.6	22.7	18.7	21.6
Md 03-5527	18.5	19.6	21.0	18.8	19.0	18.8	21.5	18.6	19.5
Md 04-5119	20.6	21.8	23.8	23.1	19.7	21.6	22.7	22.4	22.3
Md 04-6101	17.5	17.7	18.2	17.7	16.0	17.7	19.2	16.7	17.8
NCC04-8610	20.3	21.2	21.9	21.1	18.3	20.8	22.0	21.3	21.2
NCC04-8997	20.8	21.4	22.5	21.4	19.4	21.2	22.2	20.3	21.4
R02-3059	20.3	21.0	21.7	21.3	16.9	20.6	22.1	21.2	21.2
R03-891	21.6	21.8	22.8	21.7	20.2	21.6	23.7	21.4	22.1
R04-1073	19.6	20.8	21.8	21.8	17.2	20.3	22.3	20.9	21.1
R04-122	21.3	21.1	22.9	22.8	19.6	20.0	.	20.5	21.4
R04-198	19.1	19.9	20.2	19.5	15.7	18.3	20.0	18.1	19.3
S05-4367	20.5	20.0	21.9	20.8	18.2	21.0	23.1	20.8	21.2
S05-4604	20.2	20.9	22.0	20.6	20.7	21.3	22.9	20.3	21.2
S05-4658	20.4	20.9	21.0	20.7	20.5	19.8	23.1	21.6	21.1
S05-4731	21.1	21.5	22.8	22.0	21.1	22.1	24.5	20.2	22.0
S05-9223	21.2	21.9	23.7	22.0	20.3	22.2	23.6	19.8	22.1
S05-9256	20.4	21.4	21.4	21.2	21.1	21.4	22.6	20.3	21.2
TN03-233	20.3	21.2	22.1	21.1	18.9	20.5	21.2	20.5	21.0
TN04-124	20.2	21.6	22.2	21.7	17.4	21.7	22.2	20.6	21.5
TN05-4712RR	19.7	20.9	22.5	20.6	19.1	21.4	23.3	21.4	21.4
TN05-5109	22.0	21.7	23.0	20.9	20.5	22.2	23.5	22.1	22.2
56Cx-548	16.8	17.3	19.1	18.3	16.3	17.5	19.9	16.0	17.8
V03-3719	19.0	19.8	22.3	19.2	18.7	19.9	20.5	18.7	19.9
V03-4298	20.6	20.1	21.7	20.5	18.9	20.4	22.1	20.2	20.8
V03-4660	20.7	21.4	22.5	21.3	19.6	21.0	21.5	20.3	21.2
V03-4661	21.2	22.2	23.4	21.3	20.3	22.4	22.7	22.5	22.2
V03-4726	20.5	20.7	23.6	20.4	19.0	21.5	23.1	20.5	21.5

❖Data not included in mean.

TABLE 22 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	MEAN
5002T	42.8	40.5	33.9	40.5	44.8	39.6	42.3	41.6	40.2
DK 4866	43.0	40.0	36.3	40.5	40.4	39.3	39.9	41.9	40.1
AG 4403	43.4	37.7	36.8	40.1	41.2	37.8	38.9	41.6	39.5
AG 4903	43.3	40.7	38.0	41.9	42.1	38.0	40.6	42.9	40.8
JTN-4307	43.7	41.7	41.5	42.6	45.4	39.4	42.7	41.4	41.9
JTN-4507	44.2	42.4	40.4	42.8	44.6	39.9	42.2	42.8	42.1
K05-3457	43.4	40.7	34.0	40.6	43.5	39.6	40.2	41.2	40.0
K05-3468	42.2	40.6	33.4	41.5	43.3	39.0	39.9	42.6	39.9
K05-4985 RR	42.7	39.0	34.1	42.0	42.2	38.0	40.3	40.8	39.6
K05-5023 RR	42.5	39.8	38.3	42.3	43.6	38.3	41.8	42.4	40.8
LS04-48065	43.1	39.7	33.8	40.1	41.5	38.6	44.9	43.8	40.6
Md 03-5527	43.4	41.6	39.6	43.6	42.9	41.8	42.2	44.7	42.4
Md 04-5119	42.7	42.2	37.5	41.2	42.4	39.1	41.2	40.2	40.6
Md 04-6101	50.1	47.5	47.4	46.9	49.5	47.8	46.2	47.7	47.7
NCC04-8610	43.1	41.3	38.0	41.4	44.1	40.8	40.5	43.7	41.3
NCC04-8997	43.3	41.4	37.8	42.9	45.2	40.1	40.3	45.7	41.6
R02-3059	43.5	41.8	40.3	43.0	46.7	40.4	42.8	43.0	42.1
R03-891	41.3	39.7	36.2	40.9	43.1	38.3	39.0	41.5	39.6
R04-1073	42.0	38.9	36.6	39.9	45.3	37.9	39.6	42.5	39.6
R04-122	40.0	37.5	33.4	36.9	39.6	37.7	.	41.3	37.8
R04-198	42.8	40.1	39.2	41.1	45.8	40.3	41.0	43.3	41.1
S05-4367	43.2	41.2	37.9	41.8	45.4	40.2	41.5	40.4	40.9
S05-4604	43.3	41.1	39.2	41.9	41.4	39.7	40.2	42.7	41.2
S05-4658	43.6	41.7	40.2	41.8	42.1	40.4	42.0	42.8	41.8
S05-4731	44.1	41.6	42.6	41.8	42.3	39.0	41.2	43.9	42.0
S05-9223	42.5	40.1	39.4	42.4	42.9	37.9	40.7	42.2	40.7
S05-9256	44.0	41.5	41.3	41.8	43.1	40.9	41.6	42.1	41.9
TN03-233	43.0	41.4	37.1	40.4	42.8	40.3	41.1	41.8	40.7
TN04-124	44.0	41.1	40.6	42.0	46.8	39.0	43.9	42.9	41.9
TN05-4712RR	44.7	41.3	40.3	42.6	44.4	40.4	41.6	41.7	41.8
TN05-5109	41.6	39.6	38.0	41.4	44.1	38.3	38.2	40.7	39.7
56Cx-548	48.5	46.4	44.6	45.2	48.4	45.1	45.4	48.6	46.3
V03-3719	46.0	42.9	39.5	44.1	45.3	41.4	42.4	46.7	43.3
V03-4298	41.3	41.0	36.2	39.8	43.1	38.1	37.8	41.5	39.4
V03-4660	44.9	41.8	39.7	42.8	43.8	41.0	44.3	44.2	42.7
V03-4661	47.0	43.6	42.5	44.7	46.5	42.0	44.0	45.2	44.1
V03-4726	45.4	42.5	40.1	44.0	45.0	41.3	42.2	43.2	42.7

❖Data not included in mean.

TABLE 23 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	PINE TREE❖ AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	MEAN
5002T	13.5	13.2	15.4	12.5	14.7	11.4	11.9	14.6	11.8	13.5
DK 4866	14.0	10.1	15.2	12.7	13.2	13.1	12.5	13.7	9.6	13.0
AG 4403	12.3	9.9	12.8	12.4	11.7	9.2	12.4	12.1	9.0	11.8
AG 4903	14.2	12.0	15.8	13.8	13.1	14.0	13.1	14.5	10.1	13.5
JTN-4307	13.3	10.2	13.8	12.8	11.8	11.5	11.7	11.5	11.2	12.3
JTN-4507	12.4	9.4	13.2	12.8	11.2	11.2	12.3	11.8	10.6	12.0
K05-3457	14.1	12.3	13.8	13.5	12.3	13.2	11.5	16.2	11.5	13.3
K05-3468	12.7	10.4	12.1	11.4	11.3	10.6	9.5	13.9	10.1	11.6
K05-4985 RR	12.3	11.2	13.5	11.9	11.4	11.3	10.9	14.1	10.3	12.1
K05-5023 RR	11.7	10.5	11.3	12.6	11.8	11.5	10.4	14.0	8.8	11.5
LS04-48065	13.5	8.9	13.8	11.9	13.1	10.7	11.2	16.7	8.0	12.6
Md 03-5527	14.6	11.6	13.2	14.3	12.1	13.5	12.1	13.9	9.9	12.9
Md 04-5119	12.3	10.7	12.6	12.2	11.1	11.2	11.9	13.9	10.4	12.1
Md 04-6101	11.4	11.1	12.1	12.6	11.8	11.4	10.9	13.2	9.8	11.7
NCC04-8610	15.8	11.3	14.1	13.3	16.3	14.2	12.5	14.6	11.5	14.0
NCC04-8997	13.1	10.7	11.9	11.1	13.4	11.6	10.3	15.1	10.2	12.2
R02-3059	11.9	10.3	11.6	12.7	12.6	11.4	10.5	12.8	11.5	11.9
R03-891	13.7	11.4	11.7	12.5	12.4	11.8	10.5	13.9	9.5	12.0
R04-1073	17.1	12.9	13.1	14.1	14.7	12.1	12.0	16.0	12.6	14.2
R04-122	15.7	12.1	15.1	14.5	14.7	11.6	11.3	12.0	12.5	13.7
R04-198	12.6	10.5	12.6	11.5	11.2	10.7	10.0	11.0	9.6	11.2
S05-4367	15.3	11.1	13.6	11.7	11.8	12.8	13.3	12.9	12.6	13.0
S05-4604	16.0	12.6	15.9	14.5	14.9	12.6	14.5	15.6	12.4	14.8
S05-4658	15.9	11.9	17.9	16.3	15.2	15.3	15.1	16.8	14.2	15.9
S05-4731	16.0	12.4	14.1	15.5	11.5	12.4	12.7	13.8	11.7	13.6
S05-9223	15.4	12.5	16.1	15.1	12.8	13.8	13.2	14.6	11.5	14.1
S05-9256	15.2	11.4	14.8	13.8	11.0	12.7	13.6	12.7	11.5	13.2
TN03-233	12.3	11.9	14.1	14.0	13.5	12.0	10.9	17.2	11.4	13.3
TN04-124	12.0	11.6	14.8	13.5	12.7	10.5	12.6	14.2	11.2	13.0
TN05-4712RR	13.2	11.7	13.8	14.0	11.7	11.9	12.2	14.0	12.0	13.0
TN05-5109	12.3	11.5	13.8	13.3	11.3	11.7	11.6	11.9	11.2	12.2
56Cx-548	13.4	12.1	14.8	14.0	13.6	11.4	11.5	15.2	12.0	13.5
V03-3719	15.2	12.7	15.7	14.8	13.5	13.6	13.1	16.1	10.8	14.2
V03-4298	14.8	11.9	14.6	12.9	12.4	12.7	11.6	15.9	9.6	13.1
V03-4660	10.1	12.1	12.1	13.0	13.4	10.7	10.6	17.0	9.9	12.3
V03-4661	14.0	12.5	14.7	15.0	14.2	11.7	12.5	18.1	11.9	14.3
V03-4726	14.5	12.0	15.3	12.7	14.5	12.8	11.6	15.4	11.0	13.6

❖Data not included in mean.

TABLE 24 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	COOPER TX	PINE TREE❖ AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	MEAN
5002T	22	21	40	21	38	17	32	17	25	22	33	24
DK 4866	21	31	24	20	45	36	32	19	36	32	44	32
AG 4403	22	30	24	20	42	38	31	18	37	31	42	31
AG 4903	23	27	34	23	42	41	32	20	39	34	44	32
JTN-4307	21	28	23	25	38	27	37	21	25	30	36	28
JTN-4507	21	29	19	23	43	29	36	23	28	30	43	30
K05-3457	19	19	28	22	36	23	35	18	26	18	30	23
K05-3468	20	23	25	22	38	23	33	18	23	20	35	24
K05-4985 RR	20	21	26	26	35	28	40	20	24	28	35	26
K05-5023 RR	22	21	15	27	43	26	44	23	23	28	37	28
LS04-48065	24	19	27	26	36	25	38	19	22	22	35	25
Md 03-5527	23	36	24	19	42	43	32	18	38	36	38	32
Md 04-5119	22	19	35	21	31	20	33	19	25	18	36	23
Md 04-6101	15	19	30	17	31	20	38	15	22	16	27	20
NCC04-8610	18	25	16	26	40	25	37	18	23	24	35	26
NCC04-8997	26	24	24	22	43	25	36	20	23	26	38	27
R02-3059	25	30	12	22	38	26	37	21	29	32	39	29
R03-891	23	25	33	26	38	24	38	18	30	22	39	27
R04-1073	23	28	29	26	40	33	39	19	29	26	31	28
R04-122	26	21	26	23	36	22	37	18	27	26	32	25
R04-198	25	25	33	27	41	28	36	17	25	21	42	28
S05-4367	29	33	28	28	44	46	31	25	36	34	41	35
S05-4604	25	36	26	29	46	43	34	18	35	30	48	34
S05-4658	27	31	28	27	44	43	35	23	37	30	40	33
S05-4731	25	27	26	23	44	32	31	20	32	28	45	31
S05-9223	27	29	28	25	40	39	36	25	33	33	47	33
S05-9256	21	32	27	25	43	40	34	23	31	28	39	31
TN03-233	18	17	37	21	33	23	31	13	21	20	31	22
TN04-124	25	25	21	25	43	22	39	22	27	26	41	28
TN05-4712RR	33	30	26	28	45	47	32	27	33	36	45	36
TN05-5109	26	41	25	26	38	39	33	25	41	42	38	35
56Cx-548	26	24	24	27	38	31	37	19	28	20	38	28
V03-3719	18	24	29	21	37	23	34	19	28	24	33	25
V03-4298	24	29	26	23	36	29	32	15	24	24	36	26
V03-4660	21	22	30	21	41	24	35	18	25	26	35	26
V03-4661	19	23	27	23	34	21	35	18	30	26	31	25
V03-4726	21	23	23	23	39	22	33	20	26	18	34	25

❖Data not included in mean.

TABLE 25 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	BIXBY OK	PINE TREE❖ AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	MEAN
5002T	1.0	1.8	1.0	1.5	1.0	1.5	1.0	1.0	2.0	2.5	1.4
DK 4866	.	1.3	1.0	1.5	2.0	1.0	1.0	1.0	2.0	1.0	1.4
AG 4403	.	1.0	1.0	1.5	2.0	2.0	1.0	1.0	2.0	1.5	1.4
AG 4903	.	1.8	1.0	1.5	2.0	1.0	1.3	1.0	2.0	1.0	1.4
JTN-4307	.	1.0	1.0	2.3	3.0	1.5	1.0	1.0	3.0	1.8	1.9
JTN-4507	1.0	1.0	1.0	1.8	2.0	1.0	1.0	1.0	3.0	1.0	1.5
K05-3457	.	1.0	1.0	1.8	2.0	2.3	1.0	1.0	2.0	2.0	1.5
K05-3468	.	1.0	1.0	2.8	2.0	2.5	1.0	1.0	2.0	4.0	2.0
K05-4985 RR	1.0	1.5	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.5	1.4
K05-5023 RR	1.0	0.5	1.0	1.5	1.0	1.8	1.0	1.0	2.0	1.5	1.3
LS04-48065	.	1.3	1.0	1.8	1.0	3.0	1.0	1.0	2.0	1.0	1.3
Md 03-5527	.	1.3	1.0	1.8	4.0	1.0	1.0	4.0	3.0	2.0	2.4
Md 04-5119	.	2.0	1.0	1.5	1.0	1.0	1.0	1.0	2.0	1.5	1.3
Md 04-6101	.	1.0	1.0	1.4	1.0	1.5	1.0	1.0	2.0	1.0	1.2
NCC04-8610	.	0.8	1.0	1.8	2.0	1.0	1.0	1.0	2.0	2.8	1.6
NCC04-8997	.	1.5	1.0	2.3	2.0	2.0	1.0	1.0	2.0	3.3	1.8
R02-3059	1.0	0.5	1.0	3.5	1.0	2.3	1.0	1.0	2.0	4.3	1.8
R03-891	.	1.3	1.0	1.5	1.0	2.0	1.0	1.0	2.0	1.5	1.3
R04-1073	.	1.3	1.0	1.8	2.0	1.5	1.0	1.0	2.0	3.8	1.8
R04-122	.	1.0	1.0	3.0	1.0	1.5	1.0	1.0	2.0	4.5	1.9
R04-198	1.0	1.5	1.0	1.8	2.0	2.0	1.0	1.0	2.0	1.3	1.4
S05-4367	.	1.0	1.0	1.5	2.0	1.0	1.0	1.0	2.0	1.0	1.4
S05-4604	.	1.3	1.0	2.0	3.0	1.0	1.0	1.0	3.0	1.3	1.8
S05-4658	1.0	1.8	1.0	1.8	3.0	1.5	1.0	1.0	2.0	1.0	1.5
S05-4731	.	1.0	1.0	2.0	3.0	1.0	1.0	1.0	3.0	1.8	1.8
S05-9223	.	1.0	1.0	1.5	1.0	1.5	1.0	1.0	3.0	1.8	1.5
S05-9256	.	1.0	1.0	3.3	4.0	2.5	1.0	4.0	4.0	4.8	3.1
TN03-233	1.0	1.5	1.0	1.5	1.0	1.0	1.0	1.0	2.0	1.0	1.2
TN04-124	.	0.8	1.0	1.8	2.0	1.3	1.0	1.0	2.0	2.0	1.5
TN05-4712RR	1.0	1.3	1.0	1.8	3.0	1.5	1.0	1.0	3.0	2.5	1.8
TN05-5109	.	1.3	1.0	2.8	4.0	1.0	1.0	1.8	5.0	2.5	2.6
56Cx-548	.	1.5	1.0	2.3	3.0	2.3	1.0	1.0	3.0	2.0	1.9
V03-3719	.	1.8	1.0	1.8	1.0	1.0	1.0	1.0	2.0	1.0	1.3
V03-4298	1.0	1.3	1.0	1.8	1.0	1.0	1.0	1.0	2.0	1.3	1.3
V03-4660	1.0	1.5	1.0	2.8	1.0	1.5	1.0	1.0	2.0	3.0	1.6
V03-4661	.	1.5	1.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	1.6
V03-4726	.	1.3	1.0	1.5	1.0	2.5	1.0	1.0	2.0	4.0	1.6

❖Data not included in mean.

TABLE 26 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2007

STRAIN/ VARIETY	PINE TREE❖ AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	PRINCETON❖ KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	MEAN
5002T	2.0	3.0	1.5	2.0	3.0	1.5	2.0	2.5	2.1
DK 4866	2.5	3.0	1.5	3.0	4.0	1.5	2.0	1.0	2.0
AG 4403	4.0	2.0	1.5	3.0	4.0	1.3	2.0	2.0	2.0
AG 4903	2.0	3.0	1.5	3.0	4.0	1.5	2.0	1.5	2.1
JTN-4307	1.5	3.0	1.5	3.0	3.0	1.5	2.0	1.5	2.1
JTN-4507	1.0	2.0	1.5	3.0	2.0	1.0	2.0	1.0	1.8
K05-3457	1.5	3.0	1.3	3.0	3.0	1.5	2.0	1.0	2.0
K05-3468	2.3	2.0	1.3	3.0	2.0	1.0	2.0	1.0	1.7
K05-4985 RR	1.8	2.0	1.3	3.0	4.0	1.8	2.0	2.0	2.0
K05-5023 RR	2.5	2.0	1.5	3.0	3.0	1.5	2.0	1.0	1.8
LS04-48065	3.8	2.0	1.5	3.0	3.0	2.0	2.0	2.5	2.2
Md 03-5527	2.5	2.0	1.5	3.0	3.0	2.0	2.0	3.0	2.3
Md 04-5119	4.3	2.0	1.3	3.0	3.0	1.3	2.0	1.5	1.8
Md 04-6101	3.0	2.0	1.3	2.0	3.0	2.5	2.0	1.5	1.9
NCC04-8610	1.8	2.0	1.8	4.0	2.0	1.0	2.0	1.0	2.0
NCC04-8997	1.3	2.0	1.5	4.0	2.0	1.0	3.0	1.0	2.1
R02-3059	2.0	2.0	1.5	3.0	2.0	1.0	2.0	1.0	1.8
R03-891	1.3	2.0	2.0	4.0	3.0	1.0	2.0	1.0	2.0
R04-1073	2.0	2.0	1.1	2.0	2.0	1.0	2.0	1.0	1.5
R04-122	1.8	2.0	1.5	3.0	3.0	1.5	2.0	1.5	1.9
R04-198	0.8	3.0	1.5	3.0	2.0	1.0	2.0	1.0	1.9
S05-4367	1.3	3.0	1.3	4.0	3.0	1.0	2.0	1.0	2.1
S05-4604	2.0	3.0	1.2	3.0	2.0	1.0	2.0	1.5	2.0
S05-4658	3.5	2.0	2.0	4.0	3.0	1.0	2.0	2.0	2.2
S05-4731	3.3	2.0	2.0	3.0	2.0	1.0	2.0	1.5	1.9
S05-9223	2.5	2.0	1.5	4.0	4.0	1.5	2.0	2.0	2.2
S05-9256	1.5	2.0	1.2	3.0	3.0	1.5	2.0	1.5	1.9
TN03-233	4.0	2.0	1.2	3.0	3.0	1.5	2.0	1.0	1.8
TN04-124	1.8	2.0	1.5	3.0	2.0	1.5	2.0	1.0	1.8
TN05-4712RR	2.3	2.0	1.5	3.0	4.0	1.5	2.0	2.0	2.0
TN05-5109	2.0	2.0	1.2	3.0	2.0	1.3	2.0	1.0	1.7
56Cx-548	2.3	3.0	1.1	3.0	3.0	1.3	2.0	1.5	2.0
V03-3719	2.8	3.0	1.2	3.0	3.0	1.8	2.0	2.0	2.2
V03-4298	1.3	2.0	1.5	3.0	3.0	1.5	2.0	1.0	1.8
V03-4660	2.5	2.0	1.3	4.0	2.0	1.3	2.0	2.0	2.1
V03-4661	3.3	2.0	1.5	3.0	3.0	1.3	2.0	1.0	1.8
V03-4726	3.3	3.0	1.5	3.0	3.0	1.5	2.0	2.0	2.2

❖Data not included in mean.

UNIFORM GROUP V

2007

Uniform Group V nurseries were planted at 22 locations. Data were obtained from 19 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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. AG 5501RR	Commercial check	
4. DB01- 5289	A5979 W,G,TN X R92-1294/DP3588	F6
5. DB03- 2811	DT96-16809 P,T,T X DT97-4290 P,T,T	F6
6. DS95-217-1-880	Hartwig x (PI 437.654 x Ripley)	F9
7. G03-1668 RR	H7242 RR X K1423	F5d
8. JTN-033	S94-1956 x MD94-5396	F9
9. JTN-5106	DP 5960 RR x ANAND-4-CYST02	F9
10. JTN-5203	R93-171 x Anand	F9
11. JTN-5303	R93-171 x Anand	F9
12. JTN-5503	Fowler x Manokin	F9
13. K04-4274RR	Md 97-6065 X K97-133	F5
14. K04-4623RR	K1463 X K97-138	F5
15. K04-4628RR	K1463 X K97-138	F5
16. N02-7779	Carver x Lambert (0)	
17. NCC02-22219	V91-3036 x TN98-76,077	
18. NCC03-105RR	(TN93-142[3] x Monstanto RR)BC3F2:derived	
19. R01-379	R96-2660 x HBK 5990	
20. R01-4834RR	Hartz 4994 x 97668 (N92-598)	
21. R01-976	Hartz 4994 x R95-1470	
22. R03-1235	PI0 9592 x KS4895	
23. R03-224	R96-209 x 99507	
24. S04-21273	S99-2281 X DP5960RR	5
25. TN02-064RR	Anand x (TN95-53 x Monsanto RR)	
26. TN02-104RR	Anand x (TN95-53 x Monsanto RR)	
27. TN02-151RR	Anand x (TN95-53 x Monsanto RR)	
28. TN03-234	TV5797 x TN 4-94	
29. TN04-593RR	5601T x (Fowler x TN93-87RR)	

TABLE 28 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2007	06-07	05-07	2007	06-07	05-07	2007	06-07	05-07
5601T	8	10	46.4	48.1	48.1	42.1	42.2	42.3	20.3	19.5	19.6
5002T	5	13	47.0	47.3	47.7	41.0	40.7	40.8	21.6	20.6	20.9
AG 5501RR	15	15	44.4	45.5	45.3	41.2	41.2	41.5	20.7	19.8	19.7
DB01-5289	6	10	46.6	.	.	42.6	.	.	19.8	.	.
DB03-2811	11	15	44.8	.	.	41.8	.	.	20.7	.	.
DS95-217-1-880	19	15	43.3	.	.	40.7	.	.	21.5	.	.
G03-1668 RR	13	14	44.5	45.8	.	39.8	40.1	.	22.3	20.9	.
JTN-033	25	19	42.1	44.2	.	42.6	42.2	.	21.3	20.4	.
JTN-5106	18	15	43.8	.	.	40.5	.	.	20.4	.	.
JTN-5203	9	14	45.6	47.5	.	41.2	40.9	.	20.8	20.1	.
JTN-5303	7	11	46.5	.	.	41.1	.	.	21.2	.	.
JTN-5503	3	8	47.8	.	.	40.8	.	.	20.4	.	.
K04-4274RR	28	20	41.4	.	.	41.1	.	.	20.6	.	.
K04-4623RR	21	19	43.0	.	.	39.3	.	.	21.6	.	.
K04-4628RR	22	18	42.9	.	.	39.4	.	.	21.1	.	.
N02-7779	24	19	42.4	.	.	39.7	.	.	21.5	.	.
NCC02-22219	12	14	44.5	.	.	42.6	.	.	20.9	.	.
NCC03-105RR	27	17	41.6	.	.	40.9	.	.	20.5	.	.
R01-379	14	15	44.4	45.9	.	40.6	40.4	.	20.8	19.6	.
R01-4834RR	23	19	42.5	.	.	39.4	.	.	20.9	.	.
R01-976	2	10	48.0	48.5	.	40.9	41.0	.	20.9	19.9	.
R03-1235	10	14	45.4	.	.	40.3	.	.	21.0	.	.
R03-224	1	10	48.0	.	.	41.8	.	.	20.3	.	.
S04-21273	4	10	47.4	.	.	39.8	.	.	20.9	.	.
TN02-064RR	29	24	39.1	.	.	41.5	.	.	20.3	.	.
TN02-104RR	17	16	43.8	46.0	.	41.5	41.5	.	20.2	19.3	.
TN02-151RR	26	20	42.0	.	.	43.0	.	.	19.7	.	.
TN03-234	20	17	43.2	.	.	41.6	.	.	22.0	.	.
TN04-593RR	16	15	43.9	.	.	39.6	.	.	20.1	.	.

❖Data not included in mean: 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

TABLE 28 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5601T	10/06	1.9	28	2.0	13.9			
5002T	9-	1.5	25	2.4	14.3			
AG 5501RR	3-	1.9	29	2.4	13.2			
DB01-5289	6-	1.8	29	2.1	13.4	W	T	T
DB03-2811	5-	2.6	31	1.9	13.1	P	T	T
DS95-217-1-880	5-	1.4	25	2.3	13.8	P	T	T
G03-1668 RR	1-	1.9	29	2.1	12.8	P	T	T
JTN-033	4-	1.6	25	2.1	11.3	P	G	T
JTN-5106	2+	2.0	32	2.3	13.8	W	T	T
JTN-5203	8-	2.0	26	2.2	12.6	W	G	T
JTN-5303	5-	2.2	28	2.4	14.9	W	T	T
JTN-5503	4-	1.7	27	2.2	13.6	W	T	T
K04-4274RR	9-	1.3	25	2.1	12.2			
K04-4623RR	3-	1.4	26	2.5	12.0			
K04-4628RR	5-	1.6	29	2.4	13.0			
N02-7779	8-	1.5	24	2.5	13.4	P	G	
NCC02-22219	6-	1.7	27	1.9	15.5			
NCC03-105RR	3+	1.8	28	2.1	13.7			
R01-379	3-	1.7	26	2.3	14.9	P	G	
R01-4834RR	5-	1.7	29	2.1	12.4	W	G	
R01-976	0	1.5	27	2.1	15.1	P	G	
R03-1235	1-	1.5	28	2.2	14.0	W	G	T
R03-224	3-	1.7	28	2.2	14.8	P	T	
S04-21273	1-	1.9	31	2.2	14.8	W	T	
TN02-064RR	4-	1.7	25	2.3	11.9	W	T	
TN02-104RR	1-	1.6	26	2.4	12.4	W	T	
TN02-151RR	1-	1.6	27	2.1	13.7	W	T	
TN03-234	9-	2.1	30	2.4	15.1	P	G	
TN04-593RR	6-	1.7	30	2.2	11.6	W	G	

TABLE 28 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK GA	SRK GA	SMV S95-52	SMV G1	SC RATING	SC SCORE	SDS CDX	SDS VDX
	1.2.7 2	0 3	1.3.5.6.7 14								
5601T	5	5	4	4.8	4.0	S	R	R	1	14	3
5002T	5	5	4	3.5	5.0			R	1	6	2
AG 5501RR	5	2	2	4.5	4.5	S	R	R	1	9	18
DB01-5289	5	2	3	5.0	3.0	SEG	R	R	1	7	2
DB03-2811	5	1	1	5.0	5.0	S	R	R	1	11	4
DS95-217-1-880	2	4	1	5.0	5.0	S	S	R	1	1	1
G03-1668 RR	5	1	3	4.5	1.0	S	S	R	1	5	1
JTN-033	5	5	5	5.0	3.8	S	S	S	5	3	1
JTN-5106	5	3	1	5.0	5.0	S	S	S	5	2	1
JTN-5203	2	4	1	5.0	4.8	S	S	R	1	2	1
JTN-5303	4	3	1	4.8	5.0	SEG	S	R	1	10	4
JTN-5503	1	1	1	4.3	3.5	S	S	S	5	7	10
K04-4274RR	5	1	3	4.3	4.8	R	R	R	1	4	1
K04-4623RR	4	1	2	4.8	1.3	S	SEG	S	5	19	18
K04-4628RR	2	1	2	5.0	1.5	S	S	S	5	26	20
N02-7779	5	5	4	4.8	4.8	R	R	S	5	6	3
NCC02-22219	5	5	4	5.0	4.0	S	R	R	1	9	14
NCC03-105RR	5	1	1	5.0	4.8	S	S	R	1	19	12
R01-379	5	4	1	3.5	1.0	R	SEG	R	1	12	17
R01-4834RR	5	5	4	4.8	4.8	R	R	S	5	14	24
R01-976	5	5	3	4.5	1.0	S	SEG	S	5	1	1
R03-1235	5	5	3	5.0	4.5	R	S	R	1	1	1
R03-224	5	5	4	5.0	4.8	S	R	R	1	1	5
S04-21273	5	1	1	5.0	4.5	S	R	SS	3	3	1
TN02-064RR	4	5	1	2.3	4.8	S	SEG	S	5	17	0
TN02-104RR	2	5	1	3.0	5.0	R	SEG	S	5	2	1
TN02-151RR	5	2	1	5.0	4.5	S	SEG	R	1	1	0
TN03-234	5	5	5	5.0	4.5	SEG	R	R	1	17	7
TN04-593RR	4	5	4	5.0	1.5	S	S	R	1	3	9

TABLE 29 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007

STRAIN/ VARIETY	EAST		
	QUEENSTOWN❖ MD	SUFFOLK❖ VA	WARSAW❖ VA
5601T	30.3	38.0	48.1
5002T	28.3	33.4	49.8
AG 5501RR	35.7	37.4	50.6
DB01-5289	33.9	36.6	40.2
DB03-2811	34.5	36.9	35.9
DS95-217-1-880	31.7	31.9	34.7
G03-1668 RR	42.3	32.9	38.9
JTN-033	29.7	52.2	39.9
JTN-5106	40.2	37.0	51.7
JTN-5203	38.7	18.0	36.3
JTN-5303	31.2	28.9	47.0
JTN-5503	39.2	38.4	28.0
K04-4274RR	28.9	37.3	34.3
K04-4623RR	34.9	28.8	20.5
K04-4628RR	34.8	23.0	32.3
N02-7779	29.2	40.4	38.1
NCC02-22219	19.5	32.7	26.0
NCC03-105RR	40.4	32.3	47.2
R01-379	35.6	30.9	25.6
R01-4834RR	28.4	42.9	33.9
R01-976	28.2	45.8	50.9
R03-1235	29.5	37.5	35.0
R03-224	29.0	34.4	52.9
S04-21273	36.1	38.4	42.8
TN02-064RR	35.6	22.4	30.2
TN02-104RR	26.8	33.4	37.4
TN02-151RR	34.5	26.0	36.0
TN03-234	28.9	32.2	52.9
TN04-593RR	26.9	40.2	47.0
LOCATION MEAN	32.5	34.5	39.5
L.S.D. (0.05)	10.8	14.2	21.5
C.V. (%)	20.2	25.1	33.3

❖All data excluded from 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	29.6	11.5	31.2	31.5	29.1	15.1	27.9	41.4	32.3
5002T	20.3	12.7	28.7	35.1	29.6	16.2	36.7	39.1	32.0
AG 5501RR	32.9	10.9	30.2	29.1	28.6	15.6	20.9	42.1	31.0
DB01-5289	32.5	13.3	28.6	31.4	28.8	14.2	27.6	42.3	32.5
DB03-2811	30.5	16.3	29.8	28.9	27.1	12.5	27.4	37.4	30.8
DS95-217-1-880	26.5	10.6	31.8	28.2	27.8	10.9	25.3	41.1	30.6
G03-1668 RR	24.4	9.7	31.1	26.6	31.0	11.1	24.0	40.7	29.4
JTN-033	28.5	9.1	25.3	24.5	20.6	10.5	23.3	43.4	29.0
JTN-5106	24.6	13.0	35.6	21.4	28.4	14.2	25.9	43.0	30.1
JTN-5203	28.4	8.2	33.2	24.3	29.8	14.6	16.8	38.6	28.3
JTN-5303	29.3	9.7	33.1	28.6	27.0	12.2	22.4	40.1	30.7
JTN-5503	29.3	12.4	32.5	28.2	27.4	13.0	28.7	47.4	33.2
K04-4274RR	25.0	11.2	24.6	26.3	26.8	15.4	27.8	40.3	28.8
K04-4623RR	23.9	11.5	29.0	25.4	25.3	13.6	27.3	38.0	28.7
K04-4628RR	22.8	11.8	24.8	26.1	30.0	13.5	27.9	38.0	27.9
N02-7779	21.5	9.7	24.9	29.6	27.0	11.1	27.0	39.6	28.5
NCC02-22219	28.8	8.5	30.2	25.4	29.0	15.2	29.2	42.3	31.2
NCC03-105RR	30.6	12.4	36.5	20.0	25.9	14.8	13.6	43.1	28.8
R01-379	32.5	13.9	29.1	27.2	27.1	14.2	23.4	41.3	30.7
R01-4834RR	29.7	6.4	29.0	27.8	25.6	13.9	24.8	37.0	29.7
R01-976	32.4	12.4	28.9	25.4	28.2	15.7	33.0	41.6	32.3
R03-1235	23.4	10.3	29.8	28.1	27.2	13.2	18.3	40.3	28.0
R03-224	27.2	11.8	31.0	34.5	20.5	13.2	27.5	42.9	32.6
S04-21273	36.5	15.4	31.6	28.5	25.8	14.9	30.6	44.8	34.4
TN02-064RR	18.9	7.0	23.8	24.5	21.5	13.1	19.9	38.3	25.1
TN02-104RR	24.5	10.0	30.4	26.9	23.4	14.5	22.5	39.1	28.7
TN02-151RR	30.8	8.8	23.8	27.6	28.3	11.8	22.8	39.3	28.8
TN03-234	26.5	13.6	22.5	31.0	23.9	14.6	29.6	42.0	30.3
TN04-593RR	24.9	11.2	30.1	28.5	24.7	15.0	25.5	42.6	30.3
LOCATION MEAN	27.5	11.1	29.3	27.6	26.7	13.7	25.4	40.9	30.2
L.S.D. (0.05)	7.1	5.2	7.3	5.1	8.3	6.2	5.9	6.5	4.4
C.V. (%)	12.7	28.6	15.2	11.3	18.9	27.6	14.2	9.8	15.4

❖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	50.5	58.5	73.9	72.2	68.4	64.7
5002T	53.6	62.8	71.4	76.1	74.4	67.6
AG 5501RR	42.6	54.0	63.6	75.8	69.7	61.1
DB01-5289	50.4	59.6	73.7	71.3	74.8	66.0
DB03-2811	50.6	53.8	66.1	66.4	63.4	60.1
DS95-217-1-880	48.9	59.6	63.5	51.6	71.5	59.0
G03-1668 RR	58.3	63.7	67.3	65.8	55.2	62.1
JTN-033	48.9	54.6	65.9	58.9	58.9	57.4
JTN-5106	49.7	55.1	57.0	65.9	61.2	57.8
JTN-5203	49.0	56.6	65.8	73.5	81.2	65.2
JTN-5303	55.3	63.6	70.1	65.8	69.6	64.9
JTN-5503	57.7	63.3	73.0	59.5	70.6	64.8
K04-4274RR	54.3	56.6	66.1	59.8	57.6	58.8
K04-4623RR	53.8	56.1	62.6	63.2	69.3	61.0
K04-4628RR	60.2	56.2	66.2	61.4	68.6	62.5
N02-7779	48.1	54.0	70.4	73.2	58.0	60.7
NCC02-22219	55.2	55.6	66.3	71.5	61.9	62.1
NCC03-105RR	49.3	54.6	46.1	59.0	62.5	54.3
R01-379	55.9	59.1	63.2	58.0	67.4	60.7
R01-4834RR	47.7	57.1	59.7	61.0	66.9	58.5
R01-976	45.2	64.9	73.7	78.6	75.1	67.5
R03-1235	51.5	59.2	78.8	65.7	67.6	64.6
R03-224	59.7	56.3	70.3	64.4	82.1	66.6
S04-21273	48.9	55.0	73.0	71.3	66.2	62.8
TN02-064RR	43.2	46.0	60.5	62.7	58.8	54.2
TN02-104RR	56.8	58.4	56.9	62.6	63.7	59.7
TN02-151RR	47.7	51.5	65.9	59.8	68.4	58.7
TN03-234	44.5	54.1	71.0	61.2	69.4	60.0
TN04-593RR	56.3	55.1	73.3	68.2	54.0	61.4
LOCATION MEAN	51.5	57.1	66.7	65.7	66.8	61.5
L.S.D. (0.05)	11.3	6.5	8.7	11.8	10.5	6.7
C.V. (%)	13.4	7.0	8.0	11.0	9.6	11.8

TABLE 29 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY❖ LA	PITTSBURG KS	
5601T	37.7	34.0	34.3	36.0
5002T	37.1	26.7	29.3	33.2
AG 5501RR	32.2	47.6	39.4	35.8
DB01-5289	31.4	49.9	36.0	33.7
DB03-2811	42.7	37.2	40.3	41.5
DS95-217-1-880	33.4	44.1	38.2	35.8
G03-1668 RR	36.8	38.1	40.0	38.4
JTN-033	42.2	40.9	30.5	36.4
JTN-5106	43.3	44.9	42.8	43.0
JTN-5203	43.3	35.0	36.9	40.1
JTN-5303	39.9	36.0	40.5	40.2
JTN-5503	39.1	38.0	43.9	41.5
K04-4274RR	28.2	41.0	30.1	29.2
K04-4623RR	31.4	31.2	35.9	33.6
K04-4628RR	30.5	29.2	32.7	31.6
N02-7779	34.2	49.2	27.9	31.0
NCC02-22219	38.2	45.2	29.8	34.0
NCC03-105RR	46.8	50.9	37.3	42.1
R01-379	37.0	41.0	39.0	38.0
R01-4834RR	37.7	40.0	31.0	34.4
R01-976	43.8	51.9	33.7	38.7
R03-1235	50.3	45.8	32.1	41.2
R03-224	49.2	43.6	31.4	40.3
S04-21273	40.4	55.2	42.0	41.2
TN02-064RR	37.0	37.0	35.2	36.1
TN02-104RR	42.8	43.0	41.3	42.1
TN02-151RR	29.8	37.4	36.4	33.1
TN03-234	36.1	51.8	30.3	33.2
TN04-593RR	34.6	31.8	33.1	33.9
LOCATION MEAN	38.2	41.3	35.6	36.9
L.S.D. (0.05)	4.5	13.1	3.1	9.9
C.V. (%)	7.2	19.4	5.4	14.1

❖Data not included in mean.

TABLE 30 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007

OIL PERCENTAGES

STRAIN/ VARIETY	BELLE❖	BIXBY OK	BOSSIER❖	KNOX-	ORANGE VA	PINE	PITTS-	PORTAGE-	PORTAGE-	PRINCETON❖ KY	QUEENSTOWN❖	STONE-	SUFFOLK❖	ULLIN	WARSAW❖	MEAN
	MINA AL		CITY LA	VILLE TN		TREE AR	BURG KS	VILLE MO(A)	VILLE MO(B)		MD	VILLE MS	VA	IL	VA	
5601T	.	19.7	.	20.2	19.3	.	20.0	20.7	.	19.9	20.4	21.9	.	20.0	20.3	20.3
5002T	.	21.7	.	20.7	19.2	.	21.4	22.4	.	18.3	20.4	23.7	.	22.3	21.0	21.6
AG 5501RR	.	20.6	.	20.6	19.1	.	20.9	20.0	.	18.3	21.0	23.0	.	20.9	20.7	20.7
DB01-5289	.	20.2	.	20.2	18.4	.	20.4	19.4	.	16.3	20.3	19.9	.	20.0	20.8	19.8
DB03-2811	.	20.2	.	21.3	18.3	.	21.2	21.3	.	19.0	20.1	23.4	.	19.5	20.0	20.7
DS95-217-1-880	.	21.7	.	22.4	20.7	.	21.3	20.5	.	17.7	20.7	22.7	.	21.2	21.1	21.5
G03-1668 RR	.	22.0	.	23.3	21.1	.	20.8	22.9	.	19.0	21.0	23.3	.	22.5	21.8	22.3
JTN-033	.	21.6	.	20.4	19.6	.	21.6	20.5	.	21.0	20.4	23.6	.	21.5	21.2	21.3
JTN-5106	.	21.2	.	20.7	18.7	.	21.4	20.5	.	18.5	20.2	20.0	.	20.4	20.7	20.4
JTN-5203	.	20.5	.	20.9	19.8	.	21.3	20.1	.	18.6	20.5	21.8	.	20.9	22.0	20.8
JTN-5303	.	21.6	.	20.9	19.0	.	21.1	21.4	.	19.7	20.1	23.0	.	21.5	21.3	21.2
JTN-5503	.	20.2	.	20.5	18.6	.	19.9	20.5	.	18.7	19.4	22.4	.	20.7	20.6	20.4
K04-4274RR	.	20.4	.	20.8	18.3	.	20.4	20.6	.	19.3	19.2	23.1	.	20.9	20.9	20.6
K04-4623RR	.	20.6	.	21.4	20.2	.	22.0	21.5	.	17.3	21.4	23.8	.	21.9	21.8	21.6
K04-4628RR	.	21.4	.	20.4	18.3	.	21.8	20.1	.	19.7	21.4	23.9	.	21.6	22.5	21.1
N02-7779	.	20.8	.	22.0	19.6	.	21.6	21.5	.	19.2	20.2	23.3	.	21.6	21.1	21.5
NCC02-22219	.	19.9	.	21.2	18.7	.	21.0	21.5	.	18.2	20.7	23.3	.	20.7	20.8	20.9
NCC03-105RR	.	20.5	.	20.7	19.8	.	19.9	20.6	.	18.1	20.7	21.4	.	20.5	19.7	20.5
R01-379	.	20.8	.	20.1	18.5	.	21.1	21.3	.	18.9	20.2	23.2	.	20.4	20.2	20.8
R01-4834RR	.	20.9	.	20.5	20.2	.	20.6	20.7	.	17.3	19.5	22.7	.	20.5	20.3	20.9
R01-976	.	20.7	.	21.7	18.5	.	21.8	20.8	.	19.7	20.5	21.8	.	20.7	20.3	20.9
R03-1235	.	21.1	.	20.9	19.1	.	21.9	20.0	.	17.3	21.0	22.5	.	21.4	21.3	21.0
R03-224	.	19.8	.	19.1	19.0	.	20.4	20.4	.	19.3	19.3	22.8	.	20.5	19.9	20.3
S04-21273	.	20.1	.	20.4	18.5	.	21.2	20.8	.	18.8	20.3	24.5	.	20.8	20.6	20.9
TN02-064RR	.	20.1	.	19.9	17.2	.	21.3	19.8	.	17.8	19.5	22.8	.	21.1	21.0	20.3
TN02-104RR	.	20.7	.	19.7	18.5	.	20.5	20.3	.	16.8	20.0	21.7	.	20.3	20.0	20.2
TN02-151RR	.	19.4	.	19.8	18.8	.	21.4	18.2	.	17.3	19.2	20.9	.	19.5	21.0	19.7
TN03-234	.	21.0	.	21.7	20.6	.	22.3	22.4	.	17.4	21.6	24.1	.	22.1	21.7	22.0
TN04-593RR	.	19.8	.	20.4	18.8	.	20.1	19.1	.	16.8	19.8	22.0	.	20.4	19.9	20.1

❖Data not included in mean.

TABLE 30 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	BELLE❖	BIXBY OK	BOSSIER❖	KNOX-	ORANGE VA	PINE	PITTS-	PORTAGE-	PORTAGE-	PRINCETON❖ KY	QUEENSTOWN❖	STONE-	SUFFOLK❖ VA	ULLIN	WARSAW❖	MEAN
	MINA AL		CITY LA	VILLE TN		TREE AR	BURG KS	VILLE MO(A)	VILLE MO(B)		MD	VILLE MS		IL	VA	
5601T	.	42.3	.	41.9	41.3	.	42.1	41.5	.	43.0	41.3	42.4	.	43.4	40.7	42.1
5002T	.	42.0	.	42.7	40.1	.	40.2	40.8	.	42.2	40.1	40.3	.	40.7	39.0	41.0
AG 5501RR	.	43.1	.	40.1	41.3	.	39.8	41.6	.	44.0	40.4	40.7	.	42.1	40.0	41.2
DB01-5289	.	44.0	.	41.6	41.1	.	42.2	42.3	.	45.9	40.9	43.2	.	43.5	39.5	42.6
DB03-2811	.	43.7	.	39.7	41.5	.	40.5	41.4	.	44.5	39.7	41.8	.	44.0	40.4	41.8
DS95-217-1-880	.	41.4	.	39.9	38.6	.	40.6	40.5	.	48.0	39.6	40.6	.	43.2	39.3	40.7
G03-1668 RR	.	42.2	.	38.2	39.5	.	40.2	38.8	.	44.6	38.7	39.9	.	39.7	38.9	39.8
JTN-033	.	44.3	.	43.5	41.7	.	42.1	42.6	.	44.4	42.2	41.0	.	43.0	40.6	42.6
JTN-5106	.	42.5	.	40.5	40.1	.	39.3	40.7	.	42.2	39.2	39.5	.	41.2	38.6	40.5
JTN-5203	.	42.8	.	41.3	39.3	.	39.9	41.8	.	44.7	39.7	41.1	.	41.9	38.2	41.2
JTN-5303	.	42.2	.	41.4	39.9	.	40.8	40.3	.	43.4	39.0	40.9	.	42.1	38.6	41.1
JTN-5503	.	42.5	.	41.5	38.7	.	40.3	40.8	.	44.6	39.2	40.5	.	41.5	39.8	40.8
K04-4274RR	.	42.4	.	40.2	40.7	.	41.3	40.8	.	43.1	41.0	40.6	.	41.7	38.6	41.1
K04-4623RR	.	42.3	.	39.9	37.6	.	38.3	39.2	.	44.7	37.2	38.7	.	39.2	37.1	39.3
K04-4628RR	.	41.6	.	39.3	38.8	.	38.8	40.4	.	43.5	37.6	37.3	.	39.4	37.0	39.4
N02-7779	.	40.5	.	39.1	39.3	.	39.9	39.1	.	43.8	39.4	38.4	.	41.4	36.8	39.7
NCC02-22219	.	45.4	.	40.5	42.9	.	42.4	41.8	.	41.3	40.3	40.4	.	44.6	40.8	42.6
NCC03-105RR	.	42.5	.	40.2	39.0	.	40.4	41.8	.	44.0	39.7	39.9	.	42.2	40.9	40.9
R01-379	.	41.3	.	41.7	41.1	.	39.2	40.5	.	43.3	39.5	38.8	.	41.5	38.1	40.6
R01-4834RR	.	41.1	.	39.7	37.4	.	39.0	38.9	.	45.6	38.7	39.3	.	40.1	36.3	39.4
R01-976	.	41.2	.	40.3	40.5	.	40.5	40.9	.	42.4	40.2	40.7	.	42.5	40.4	40.9
R03-1235	.	40.8	.	40.5	40.0	.	39.7	41.1	.	43.4	39.4	38.0	.	41.7	39.1	40.3
R03-224	.	43.7	.	41.4	40.7	.	41.7	41.9	.	43.0	42.0	40.2	.	43.3	40.4	41.8
S04-21273	.	41.5	.	40.2	40.1	.	38.9	39.6	.	40.4	38.7	38.1	.	40.1	38.3	39.8
TN02-064RR	.	43.5	.	42.0	41.3	.	39.6	41.8	.	44.1	40.2	39.9	.	42.5	38.5	41.5
TN02-104RR	.	42.5	.	41.8	39.9	.	41.5	41.2	.	46.3	40.2	40.5	.	43.2	39.5	41.5
TN02-151RR	.	44.8	.	41.8	41.0	.	41.8	44.6	.	44.4	42.3	43.1	.	44.1	40.5	43.0
TN03-234	.	43.6	.	41.9	40.8	.	41.2	40.9	.	44.6	40.6	39.7	.	43.4	40.4	41.6
TN04-593RR	.	40.3	.	38.5	37.4	.	39.1	41.0	.	47.1	37.5	39.6	.	41.2	38.0	39.6

❖Data not included in mean.

TABLE 30 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	BELLE❖		BOSSIER❖		KNOX-		PINE TREE	PITTS- BURG	PORTAGE-		PRINCETON❖	QUEENSTOWN❖		STONE-		ULLIN	WARSAW❖	MEAN
	MINA AL	BIXBY OK	CITY LA	VILLE TN	ORANGE VA	AR			VILLE MO(A)	VILLE MO(B)		KY	MD	VILLE MS	SUFFOLK❖			
5601T	11.9	15.7	16.2	15.3	11.5	14.5	14.0	13.9	15.9	12.8	12.1	13.3	12.0	11.2	13.9	13.9		
5002T	10.5	15.4	16.2	13.4	11.9	16.9	14.3	14.3	15.1	15.4	12.0	13.2	12.7	14.0	14.2	14.3		
AG 5501RR	12.5	14.0	16.0	14.2	11.5	13.3	15.2	12.5	13.9	12.7	12.6	11.8	12.8	12.6	14.1	13.2		
DB01-5289	12.3	13.7	15.6	14.6	12.5	13.6	15.7	12.3	15.1	12.9	12.4	12.3	13.9	11.1	14.2	13.4		
DB03-2811	12.4	14.9	12.8	15.1	12.8	13.3	15.5	12.7	14.5	17.5	12.5	12.4	13.7	7.2	13.7	13.1		
DS95-217-1-880	11.7	15.1	15.8	12.9	11.2	15.4	15.7	14.3	13.9	10.8	11.9	12.4	12.8	12.8	14.6	13.8		
G03-1668 RR	14.0	13.5	14.6	13.6	11.4	14.0	14.4	13.1	12.0	13.6	12.4	10.1	11.6	13.4	14.0	12.8		
JTN-033	11.3	12.7	11.4	12.0	6.9	12.9	12.2	10.5	11.2	13.3	10.0	10.4	12.7	12.6	11.9	11.3		
JTN-5106	13.0	16.2	13.9	14.2	11.7	16.0	14.1	13.9	14.2	11.7	12.4	10.4	11.9	13.7	13.1	13.8		
JTN-5203	10.5	13.9	14.9	12.2	10.8	13.4	13.0	12.4	13.8	12.2	10.9	12.3	11.8	11.2	12.0	12.6		
JTN-5303	11.8	15.7	16.6	15.3	12.1	16.8	15.1	13.5	14.1	14.2	12.1	16.5	13.8	15.2	14.7	14.9		
JTN-5503	12.3	15.3	15.9	14.1	7.3	15.7	14.6	13.3	15.1	11.5	12.9	14.3	12.1	12.9	13.5	13.6		
K04-4274RR	11.0	13.8	15.5	11.6	7.1	13.3	12.6	11.9	13.1	13.6	7.1	12.0	11.9	14.2	11.9	12.2		
K04-4623RR	10.7	16.1	15.6	14.0	11.5	13.8	14.8	12.1	0.0	12.9	12.1	13.7	12.3	11.6	14.0	12.0		
K04-4628RR	12.6	14.4	15.8	13.6	10.6	13.8	14.1	13.4	14.5	13.3	12.2	10.5	11.9	12.0	14.0	13.0		
N02-7779	11.4	14.1	16.6	12.8	11.8	15.1	14.0	13.7	15.0	12.0	10.9	12.9	14.4	11.5	12.7	13.4		
NCC02-22219	14.3	18.9	17.0	15.6	14.3	18.2	15.1	15.7	16.1	13.4	13.1	14.2	13.5	11.0	15.3	15.5		
NCC03-105RR	14.5	17.2	13.8	15.1	11.8	13.3	14.3	14.8	13.5	15.2	13.2	10.1	11.1	13.0	13.6	13.7		
R01-379	14.2	16.9	14.0	17.6	13.0	16.2	16.4	14.3	16.3	13.5	12.9	11.7	12.7	11.3	15.5	14.9		
R01-4834RR	10.2	16.0	13.9	13.2	11.2	11.7	14.0	11.3	12.5	11.9	10.6	10.4	12.3	11.5	13.1	12.4		
R01-976	14.2	17.5	15.1	15.2	12.1	15.8	16.3	15.1	15.9	13.9	12.9	15.3	13.2	12.9	15.9	15.1		
R03-1235	12.7	16.2	17.0	15.1	12.4	14.2	14.9	13.7	15.3	14.0	12.0	13.4	12.8	10.7	14.8	14.0		
R03-224	13.6	17.0	17.1	15.2	13.2	14.9	14.9	14.4	16.0	12.6	12.3	14.7	14.1	12.4	14.8	14.8		
S04-21273	13.5	17.2	15.7	15.0	13.2	16.1	17.2	14.5	14.8	12.2	12.8	12.6	14.5	12.3	14.5	14.8		
TN02-064RR	0.0	13.0	11.7	12.4	6.7	10.7	11.9	11.7	12.0	11.6	10.2	16.4	6.7	12.6	11.6	11.9		
TN02-104RR	12.3	13.0	13.3	14.5	10.6	11.8	13.8	11.7	13.3	13.7	10.4	11.2	11.1	11.9	12.6	12.4		
TN02-151RR	12.1	14.4	13.8	14.3	12.3	14.1	14.6	12.8	15.7	12.6	12.1	12.6	12.7	12.1	14.3	13.7		
TN03-234	12.5	14.8	18.1	16.7	14.1	16.1	17.0	14.3	16.4	11.7	13.8	13.7	14.3	12.6	16.8	15.1		
TN04-593RR	11.7	12.3	13.4	11.8	6.7	13.0	12.1	11.9	13.6	11.9	10.4	11.6	11.1	11.7	12.0	11.6		

❖Data not included in mean.

**TABLE 31 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN 5601T,
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007**

STRAIN/ VARIETY	EAST		
	QUEENSTOWN❖ MD	SUFFOLK❖ VA	WARSAW❖ VA
5601T	10/12	10/06	10/12
5002T	-5	-5	-4
AG 5501RR	1	0	1
DB01-5289	2	-3	-3
DB03-2811	4	2	-1
DS95-217-1-880	0	-3	-2
G03-1668 RR	7	5	2
JTN-033	-1	0	-2
JTN-5106	8	5	4
JTN-5203	-2	-5	-4
JTN-5303	-2	-3	-2
JTN-5503	-2	0	-2
K04-4274RR	0	-3	-3
K04-4623RR	2	-3	-2
K04-4628RR	3	-5	-3
N02-7779	-4	-3	-3
NCC02-22219	2	0	-2
NCC03-105RR	13	10	7
R01-379	7	0	0
R01-4834RR	-1	2	0
R01-976	5	2	3
R03-1235	0	2	-1
R03-224	2	-3	0
S04-21273	-4	0	0
TN02-064RR	1	-3	-3
TN02-104RR	0	-3	-3
TN02-151RR	-1	-5	-3
TN03-234	-2	-3	-1
TN04-593RR	0	5	-1

❖All data excluded from mean.

TABLE 31 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ALEXANDRIA LA	BELLE MINA❖ AL	KNOXVILLE TN	ORANGE VA	PRINCETON❖ KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	.	09/25	10/05	10/07	.	10/05	.	.	10/06
5002T	.	-8	-2	-4	.	1	.	.	-3
AG 5501RR	.	8	0	0	.	2	.	.	0
DB01-5289	.	6	-1	-2	.	1	.	.	-1
DB03-2811	.	7	-2	0	.	1	.	.	-1
DS95-217-1-880	.	-4	-3	-4	.	0	.	.	-4
G03-1668 RR	.	15	4	2	.	0	.	.	3
JTN-033	.	-5	0	0	.	1	.	.	0
JTN-5106	.	13	5	2	.	3	.	.	3
JTN-5203	.	-7	-3	-4	.	0	.	.	-4
JTN-5303	.	-3	0	-2	.	2	.	.	-1
JTN-5503	.	3	-2	-2	.	0	.	.	-2
K04-4274RR	.	0	-4	0	.	1	.	.	-2
K04-4623RR	.	11	4	0	.	2	.	.	2
K04-4628RR	.	15	2	2	.	2	.	.	2
N02-7779	.	-11	-4	-4	.	1	.	.	-4
NCC02-22219	.	6	-1	0	.	2	.	.	0
NCC03-105RR	.	15	8	2	.	1	.	.	5
R01-379	.	14	4	2	.	1	.	.	3
R01-4834RR	.	-3	-2	-4	.	0	.	.	-3
R01-976	.	12	2	2	.	2	.	.	2
R03-1235	.	7	4	2	.	1	.	.	3
R03-224	.	7	4	2	.	2	.	.	3
S04-21273	.	8	4	2	.	2	.	.	3
TN02-064RR	.	-2	0	-2	.	1	.	.	-1
TN02-104RR	.	8	5	0	.	1	.	.	2
TN02-151RR	.	2	-2	-2	.	2	.	.	-2
TN03-234	.	-4	-2	-4	.	0	.	.	-3
TN04-593RR	.	12	-2	2	.	2	.	.	0

❖Data not included in mean.

TABLE 31 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5601T	10/01	10/01	10/10	09/23	09/24	09/30
5002T	3	-10	-8	-4	-10	-6
AG 5501RR	5	3	0	3	-3	1
DB01-5289	0	-1	-2	1	-3	-1
DB03-2811	-2	4	-1	2	-5	-1
DS95-217-1-880	1	0	1	1	-3	0
G03-1668 RR	7	6	-2	10	-5	3
JTN-033	2	4	-1	3	-6	0
JTN-5106	12	12	6	7	4	8
JTN-5203	-1	-4	-3	1	-10	-4
JTN-5303	1	-1	0	-1	-3	-1
JTN-5503	5	2	1	2	-3	1
K04-4274RR	-2	-5	-5	-3	-10	-5
K04-4623RR	4	3	-1	2	-3	1
K04-4628RR	-1	0	-2	1	-5	-2
N02-7779	-2	-1	-4	-2	-9	-4
NCC02-22219	-1	3	-2	0	-8	-2
NCC03-105RR	9	13	9	10	2	8
R01-379	4	4	-1	2	-3	1
R01-4834RR	7	1	1	-3	-2	1
R01-976	6	9	6	7	2	6
R03-1235	1	8	7	6	-3	4
R03-224	1	4	1	2	-3	1
S04-21273	6	8	4	4	-3	4
TN02-064RR	2	0	1	2	-3	0
TN02-104RR	4	6	7	4	0	4
TN02-151RR	4	29	0	-1	-7	5
TN03-234	-4	-7	-6	-4	-8	-6
TN04-593RR	1	-1	-2	0	-8	-2

TABLE 31 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY❖ LA	PITTSBURG KS	
5601T	.	09/23	.	.
5002T	.	1	.	.
AG 5501RR	.	-1	.	.
DB01-5289	.	-2	.	.
DB03-2811	.	-2	.	.
DS95-217-1-880	.	-1	.	.
G03-1668 RR	.	2	.	.
JTN-033	.	-3	.	.
JTN-5106	.	3	.	.
JTN-5203	.	-2	.	.
JTN-5303	.	-2	.	.
JTN-5503	.	-2	.	.
K04-4274RR	.	-3	.	.
K04-4623RR	.	2	.	.
K04-4628RR	.	0	.	.
N02-7779	.	-3	.	.
NCC02-22219	.	-3	.	.
NCC03-105RR	.	3	.	.
R01-379	.	-2	.	.
R01-4834RR	.	0	.	.
R01-976	.	-1	.	.
R03-1235	.	2	.	.
R03-224	.	-2	.	.
S04-21273	.	-1	.	.
TN02-064RR	.	-2	.	.
TN02-104RR	.	0	.	.
TN02-151RR	.	-3	.	.
TN03-234	.	-2	.	.
TN04-593RR	.	-2	.	.

❖Data not included in mean.

TABLE 32 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007

STRAIN/ VARIETY	EAST		
	QUEENSTOWN❖ MD	SUFFOLK❖ VA	WARSAW❖ VA
5601T	22	40	21
5002T	19	29	21
AG 5501RR	22	37	21
DB01-5289	22	40	21
DB03-2811	22	38	22
DS95-217-1-880	17	29	15
G03-1668 RR	24	33	25
JTN-033	18	35	19
JTN-5106	25	40	26
JTN-5203	20	28	19
JTN-5303	20	32	21
JTN-5503	24	33	21
K04-4274RR	17	30	18
K04-4623RR	21	30	18
K04-4628RR	22	31	21
N02-7779	17	32	19
NCC02-22219	19	34	19
NCC03-105RR	22	31	23
R01-379	21	29	17
R01-4834RR	21	37	21
R01-976	20	33	20
R03-1235	21	32	20
R03-224	20	35	22
S04-21273	22	38	22
TN02-064RR	19	29	17
TN02-104RR	20	30	18
TN02-151RR	20	33	21
TN03-234	22	38	23
TN04-593RR	23	40	22

❖All data excluded from mean.

TABLE 32 ~ Continued

STRAIN/ VARIETY	SOUTH							MEAN
	ALEXANDRIA LA	BELLE MINA❖ AL	KNOXVILLE TN	ORANGE VA	PRINCETON❖ KY	SPRINGFIELD❖ TN	STARKVILLE MS	
5601T	28	27	32	31	39	23	29	30
5002T	26	22	28	29	36	21	21	26
AG 5501RR	28	31	31	32	33	21	26	29
DB01-5289	30	29	33	31	39	22	24	29
DB03-2811	31	31	34	32	39	20	29	32
DS95-217-1-880	23	22	29	26	37	18	22	25
G03-1668 RR	31	28	30	31	44	21	24	29
JTN-033	27	21	27	27	32	19	18	24
JTN-5106	34	33	36	32	39	20	28	32
JTN-5203	28	24	30	27	40	18	25	27
JTN-5303	30	28	33	31	38	21	25	29
JTN-5503	26	26	33	30	39	19	24	28
K04-4274RR	30	24	28	29	39	19	20	27
K04-4623RR	28	26	30	30	37	20	23	28
K04-4628RR	30	28	33	31	37	20	23	29
N02-7779	25	23	26	25	35	18	20	24
NCC02-22219	29	29	32	29	41	22	23	28
NCC03-105RR	25	29	30	28	35	19	23	26
R01-379	24	28	33	28	38	18	21	26
R01-4834RR	27	26	32	30	38	21	24	28
R01-976	30	27	29	28	42	21	25	28
R03-1235	22	28	31	30	39	21	24	26
R03-224	28	27	31	31	35	18	26	29
S04-21273	36	32	33	32	37	20	28	32
TN02-064RR	29	24	27	28	39	16	18	25
TN02-104RR	25	26	29	29	36	21	22	26
TN02-151RR	27	24	27	31	38	19	20	26
TN03-234	29	29	35	35	33	21	26	31
TN04-593RR	30	30	33	34	37	22	27	31

❖Data not included in mean.

TABLE 32 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5601T	26	28	30	31	26	28
5002T	21	28	26	25	30	26
AG 5501RR	27	30	32	31	28	30
DB01-5289	29	33	34	28	28	30
DB03-2811	36	36	28	29	32	32
DS95-217-1-880	28	28	30	22	22	26
G03-1668 RR	31	30	33	33	22	30
JTN-033	27	28	34	26	24	28
JTN-5106	31	32	33	33	40	34
JTN-5203	25	28	30	25	26	27
JTN-5303	27	30	36	28	26	29
JTN-5503	25	29	34	25	26	28
K04-4274RR	21	26	28	27	24	25
K04-4623RR	24	27	32	26	26	27
K04-4628RR	27	30	32	28	36	31
N02-7779	21	23	28	26	24	24
NCC02-22219	26	28	33	30	24	28
NCC03-105RR	27	30	32	28	36	31
R01-379	26	28	32	25	28	28
R01-4834RR	30	30	36	29	28	31
R01-976	22	28	31	30	26	27
R03-1235	24	31	36	28	32	30
R03-224	25	30	34	30	26	29
S04-21273	31	32	38	30	32	32
TN02-064RR	29	26	30	26	22	27
TN02-104RR	25	25	28	29	26	27
TN02-151RR	24	27	34	31	26	28
TN03-234	26	32	35	31	28	30
TN04-593RR	30	30	33	30	30	31

TABLE 32 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	BOSSIER CITY❖ LA	PITTSBURG KS	
5601T	19	27	27	23
5002T	18	24	21	20
AG 5501RR	23	32	27	25
DB01-5289	24	30	26	25
DB03-2811	20	32	32	26
DS95-217-1-880	21	25	22	21
G03-1668 RR	24	25	28	26
JTN-033	20	25	19	20
JTN-5106	24	37	28	26
JTN-5203	18	27	22	20
JTN-5303	21	31	25	23
JTN-5503	22	24	26	24
K04-4274RR	19	24	21	20
K04-4623RR	20	26	24	22
K04-4628RR	20	23	26	23
N02-7779	23	26	22	23
NCC02-22219	24	28	23	24
NCC03-105RR	21	27	24	23
R01-379	23	29	23	23
R01-4834RR	24	28	25	24
R01-976	25	29	23	24
R03-1235	24	31	24	24
R03-224	23	25	25	24
S04-21273	26	36	28	27
TN02-064RR	21	24	24	23
TN02-104RR	25	29	25	25
TN02-151RR	25	24	26	26
TN03-234	29	30	27	28
TN04-593RR	25	25	28	27

❖Data not included in mean.

**TABLE 33 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V,
2007**

STRAIN/ VARIETY	EAST		
	QUEENSTOWN❖ MD	SUFFOLK❖ VA	WARSAW❖ VA
5601T	1.0	1.7	1.1
5002T	1.0	1.5	1.1
AG 5501RR	1.0	1.5	1.1
DB01-5289	1.0	2.0	1.3
DB03-2811	1.2	2.8	1.4
DS95-217-1-880	1.0	1.0	1.0
G03-1668 RR	1.7	1.3	1.4
JTN-033	1.0	1.8	1.1
JTN-5106	1.0	1.8	1.1
JTN-5203	1.0	1.0	1.0
JTN-5303	1.2	2.0	1.1
JTN-5503	1.2	2.3	1.0
K04-4274RR	1.0	1.3	1.2
K04-4623RR	1.0	1.0	1.0
K04-4628RR	1.0	1.0	1.1
N02-7779	1.0	1.3	1.0
NCC02-22219	1.0	1.5	1.0
NCC03-105RR	1.0	1.0	1.2
R01-379	1.3	1.3	1.1
R01-4834RR	1.0	2.2	1.1
R01-976	1.0	1.3	1.1
R03-1235	1.0	1.2	1.1
R03-224	1.0	1.2	1.1
S04-21273	1.2	1.8	1.3
TN02-064RR	1.0	1.0	1.0
TN02-104RR	1.0	1.2	1.0
TN02-151RR	1.0	1.3	1.1
TN03-234	1.2	2.0	1.2
TN04-593RR	1.2	2.3	1.1

❖All data excluded from mean.

TABLE 33 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ALEXANDRIA LA	BELLE MINA❖ AL	KNOXVILLE TN	ORANGE VA	PRINCETON❖ KY	SPRINGFIELD❖ TN	STARKVILLE MS	ULLIN IL	MEAN
5601T	1.0	1.0	2.7	2.0	3.0	1.0	1.0	3.5	2.0
5002T	1.0	1.0	1.3	2.3	1.3	1.0	1.0	2.0	1.5
AG 5501RR	1.0	1.0	2.7	1.7	1.3	1.0	1.0	3.5	2.0
DB01-5289	1.0	1.0	2.7	2.7	1.8	1.0	1.0	1.2	1.7
DB03-2811	1.5	1.0	3.0	2.7	2.5	1.0	1.0	1.3	1.9
DS95-217-1-880	1.0	1.0	2.0	1.0	1.7	1.0	1.0	1.8	1.4
G03-1668 RR	1.0	1.0	2.7	2.7	2.8	1.0	1.0	1.7	1.8
JTN-033	1.0	1.0	2.0	1.0	1.7	1.0	2.0	1.3	1.5
JTN-5106	1.0	1.0	3.0	1.0	2.3	1.0	1.0	2.8	1.8
JTN-5203	1.0	1.0	2.0	1.0	2.0	1.0	4.0	4.3	2.5
JTN-5303	1.0	1.0	3.0	2.7	2.5	1.0	3.0	4.2	2.8
JTN-5503	1.0	1.0	3.3	1.3	2.5	1.0	2.0	1.0	1.7
K04-4274RR	1.0	1.0	1.3	1.0	2.5	1.0	1.0	2.3	1.3
K04-4623RR	1.0	1.0	2.3	1.0	1.3	1.0	1.0	2.3	1.5
K04-4628RR	1.0	1.0	2.8	1.3	1.7	1.0	1.0	1.7	1.6
N02-7779	1.0	1.0	2.0	1.0	1.7	1.0	3.0	1.3	1.7
NCC02-22219	1.0	1.0	2.5	1.3	2.8	1.0	1.0	3.7	1.9
NCC03-105RR	1.0	1.0	3.0	1.0	1.0	1.0	1.0	4.2	2.0
R01-379	1.0	1.0	2.7	1.3	2.2	1.0	1.0	3.3	1.9
R01-4834RR	1.0	1.0	2.3	1.7	1.2	1.0	1.0	1.7	1.5
R01-976	1.0	1.0	2.0	1.3	1.8	1.0	1.0	1.7	1.4
R03-1235	1.0	1.0	2.0	1.3	1.0	1.0	1.0	1.3	1.3
R03-224	1.0	1.0	2.7	2.3	2.0	1.0	1.0	2.7	1.9
S04-21273	1.0	1.0	3.3	2.0	1.3	1.0	1.0	1.3	1.7
TN02-064RR	1.0	1.0	2.0	1.0	2.2	1.0	1.0	5.0	2.0
TN02-104RR	1.0	1.0	2.0	1.3	2.2	1.0	1.0	4.3	1.9
TN02-151RR	1.0	1.0	2.5	1.7	1.5	1.0	1.0	1.3	1.5
TN03-234	1.0	1.0	2.8	2.7	2.0	1.0	2.0	4.0	2.5
TN04-593RR	1.0	1.0	3.0	2.3	1.5	1.0	1.0	2.0	1.9

❖Data not included in mean.

TABLE 33 ~ 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	1.2	2.0	1.9	
5002T	1.3	1.0	3.0	1.0	2.0	1.7	
AG 5501RR	1.5	3.0	3.0	1.0	2.0	2.1	
DB01-5289	1.5	2.0	4.0	1.0	2.0	2.1	
DB03-2811	2.7	4.0	5.0	3.0	3.0	3.5	
DS95-217-1-880	1.5	1.0	2.0	1.0	2.0	1.5	
G03-1668 RR	1.5	2.0	4.0	1.0	2.0	2.1	
JTN-033	1.5	2.0	3.0	1.0	2.0	1.9	
JTN-5106	1.5	3.0	4.0	1.0	3.0	2.5	
JTN-5203	1.2	2.0	2.0	1.0	2.0	1.6	
JTN-5303	1.3	2.0	3.0	1.0	2.0	1.9	
JTN-5503	1.2	2.0	3.0	1.0	2.0	1.8	
K04-4274RR	1.0	1.0	2.0	1.0	2.0	1.4	
K04-4623RR	1.2	1.0	2.0	1.0	2.0	1.4	
K04-4628RR	1.5	2.0	2.0	1.0	2.0	1.7	
N02-7779	1.5	1.0	2.0	1.2	2.0	1.5	
NCC02-22219	1.5	2.0	2.0	1.2	2.0	1.7	
NCC03-105RR	1.5	2.0	2.0	1.0	2.0	1.7	
R01-379	1.5	1.0	3.0	1.0	2.0	1.7	
R01-4834RR	1.5	3.0	3.0	1.0	2.0	2.1	
R01-976	1.3	1.0	3.0	1.0	2.0	1.7	
R03-1235	1.2	2.0	2.0	1.2	2.0	1.7	
R03-224	1.5	2.0	2.0	1.0	2.0	1.7	
S04-21273	1.7	3.0	3.0	1.0	3.0	2.3	
TN02-064RR	1.5	1.0	2.0	1.0	2.0	1.5	
TN02-104RR	1.2	1.0	2.0	1.0	2.0	1.4	
TN02-151RR	1.5	2.0	3.0	1.0	2.0	1.9	
TN03-234	1.0	2.0	3.0	1.5	2.0	1.9	
TN04-593RR	1.5	2.0	2.0	1.0	2.0	1.7	

TABLE 33 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY❖ LA	PITTSBURG KS	
5601T	1.7	1.0	1.0
5002T	2.0	1.0	1.0
AG 5501RR	1.0	1.0	1.0
DB01-5289	1.3	1.0	1.0
DB03-2811	2.0	1.0	1.0
DS95-217-1-880	1.0	1.0	1.0
G03-1668 RR	2.3	1.0	1.0
JTN-033	1.3	1.0	1.0
JTN-5106	1.0	1.0	1.0
JTN-5203	1.0	1.0	1.0
JTN-5303	1.0	1.0	1.0
JTN-5503	1.3	1.0	1.0
K04-4274RR	1.0	1.0	1.0
K04-4623RR	1.0	1.0	1.0
K04-4628RR	1.3	1.0	1.0
N02-7779	1.3	1.0	1.0
NCC02-22219	1.0	1.0	1.0
NCC03-105RR	1.3	1.0	1.0
R01-379	1.0	1.0	1.0
R01-4834RR	1.0	1.0	1.0
R01-976	1.3	1.0	1.0
R03-1235	1.0	1.0	1.0
R03-224	2.0	1.0	1.0
S04-21273	2.0	1.0	1.0
TN02-064RR	1.0	1.0	1.0
TN02-104RR	1.0	1.0	1.0
TN02-151RR	1.3	1.0	1.0
TN03-234	1.7	1.0	1.0
TN04-593RR	1.0	1.0	1.0

❖Data not included in mean.

TABLE 34 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2007

STRAIN/ VARIETY	EAST		
	QUEENSTOWN❖ MD	SUFFOLK❖ VA	WARSAW❖ VA
5601T	1.0	2.7	1.3
5002T	1.3	4.7	1.3
AG 5501RR	1.0	2.7	1.5
DB01-5289	1.0	3.7	1.4
DB03-2811	1.0	2.7	1.3
DS95-217-1-880	1.0	5.0	1.5
G03-1668 RR	1.0	2.0	1.3
JTN-033	1.5	3.7	1.1
JTN-5106	1.0	2.3	1.4
JTN-5203	1.0	4.3	1.3
JTN-5303	1.0	4.3	1.6
JTN-5503	1.0	4.3	1.2
K04-4274RR	1.0	3.7	1.2
K04-4623RR	1.0	4.0	1.3
K04-4628RR	1.0	4.0	1.5
N02-7779	1.0	3.7	1.7
NCC02-22219	1.0	3.3	1.6
NCC03-105RR	1.0	2.3	1.4
R01-379	1.0	4.0	1.9
R01-4834RR	1.0	3.3	1.5
R01-976	1.5	2.7	1.3
R03-1235	1.0	3.7	1.5
R03-224	1.3	3.0	1.3
S04-21273	1.5	3.3	1.5
TN02-064RR	1.5	3.7	1.2
TN02-104RR	1.2	3.3	1.2
TN02-151RR	1.5	4.0	1.5
TN03-234	1.5	4.0	1.3
TN04-593RR	1.0	2.7	1.4

❖All data excluded from mean.

TABLE 34 ~ Continued

STRAIN VARIETY	SOUTH					MEAN
	BELLE MINA❖ AL	KNOXVILLE TN	ORANGE VA	PRINCETON❖ KY	ULLIN IL	
5601T	1.5	1.5	1.5	3.0	1.0	1.3
5002T	3.0	2.5	1.8	2.0	1.7	2.0
AG 5501RR	2.5	1.5	1.3	2.0	1.7	1.5
DB01-5289	3.5	2.0	1.5	1.0	1.0	1.5
DB03-2811	3.0	1.0	1.5	2.0	1.3	1.3
DS95-217-1-880	2.5	1.5	1.8	1.0	1.0	1.4
G03-1668 RR	3.5	2.0	1.8	2.0	1.0	1.6
JTN-033	1.5	1.5	1.5	4.0	1.0	1.3
JTN-5106	4.0	1.5	1.7	2.0	1.0	1.4
JTN-5203	2.0	2.5	1.7	1.0	1.0	1.7
JTN-5303	3.5	2.5	1.8	2.0	1.3	1.9
JTN-5503	3.5	1.5	1.7	2.0	1.0	1.4
K04-4274RR	3.5	2.0	1.3	3.0	1.0	1.4
K04-4623RR	4.0	3.0	1.7	2.0	1.3	2.0
K04-4628RR	4.0	3.5	2.0	2.0	1.0	2.2
N02-7779	2.0	2.0	2.0	3.0	1.3	1.8
NCC02-22219	4.0	1.5	1.5	2.0	1.0	1.3
NCC03-105RR	3.5	1.5	1.8	2.0	1.0	1.4
R01-379	4.0	2.0	1.7	2.0	2.0	1.9
R01-4834RR	3.0	1.5	1.7	1.0	1.3	1.5
R01-976	3.0	2.0	1.5	1.0	1.3	1.6
R03-1235	3.5	1.5	2.0	1.0	1.0	1.5
R03-224	4.0	2.0	1.8	2.0	1.3	1.7
S04-21273	3.5	2.0	1.7	2.0	1.3	1.7
TN02-064RR	1.5	2.0	1.7	2.0	1.3	1.7
TN02-104RR	3.0	2.5	1.7	2.0	1.0	1.7
TN02-151RR	4.0	2.5	1.5	2.0	1.0	1.7
TN03-234	3.5	2.0	1.7	2.0	2.0	1.9
TN04-593RR	3.0	2.0	1.7	3.0	1.0	1.6

❖Data not included in mean.

TABLE 34 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5601T	2.0	3.0	2.0	3.0	2.5
5002T	3.5	3.0	3.0	2.0	2.9
AG 5501RR	2.8	3.0	4.0	3.0	3.2
DB01-5289	2.3	3.0	3.0	2.0	2.6
DB03-2811	3.0	2.0	3.0	2.0	2.5
DS95-217-1-880	2.7	3.0	4.0	2.0	2.9
G03-1668 RR	1.8	3.0	3.0	3.0	2.7
JTN-033	3.2	3.0	3.0	2.0	2.8
JTN-5106	3.0	3.0	4.0	3.0	3.3
JTN-5203	2.2	3.0	3.0	2.0	2.5
JTN-5303	2.7	3.0	4.0	2.0	2.9
JTN-5503	2.7	3.0	3.0	3.0	2.9
K04-4274RR	2.5	3.0	3.0	2.0	2.6
K04-4623RR	3.0	3.0	3.0	3.0	3.0
K04-4628RR	2.3	3.0	3.0	2.0	2.6
N02-7779	3.5	3.0	4.0	2.0	3.1
NCC02-22219	2.5	3.0	3.0	2.0	2.6
NCC03-105RR	1.8	3.0	3.0	3.0	2.7
R01-379	2.5	3.0	3.0	2.0	2.6
R01-4834RR	2.7	3.0	3.0	2.0	2.7
R01-976	2.0	3.0	3.0	3.0	2.8
R03-1235	2.3	3.0	4.0	2.0	2.8
R03-224	1.5	3.0	4.0	2.0	2.6
S04-21273	2.5	3.0	3.0	2.0	2.6
TN02-064RR	3.0	3.0	3.0	2.0	2.8
TN02-104RR	2.7	3.0	4.0	3.0	3.2
TN02-151RR	2.7	2.0	3.0	2.0	2.4
TN03-234	2.5	3.0	4.0	2.0	2.9
TN04-593RR	1.8	3.0	3.0	3.0	2.7

TABLE 34 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY❖ LA	PITTSBURG KS	
5601T	1.0	2.0	2.0
5002T	3.2	2.0	2.0
AG 5501RR	1.0	2.0	2.0
DB01-5289	1.0	2.0	2.0
DB03-2811	1.3	1.0	1.0
DS95-217-1-880	1.0	2.0	2.0
G03-1668 RR	1.0	1.0	1.0
JTN-033	1.0	2.0	2.0
JTN-5106	1.5	1.0	1.0
JTN-5203	1.3	2.0	2.0
JTN-5303	1.2	2.0	2.0
JTN-5503	1.0	2.0	2.0
K04-4274RR	1.0	2.0	2.0
K04-4623RR	2.0	2.0	2.0
K04-4628RR	2.2	2.0	2.0
N02-7779	1.0	2.0	2.0
NCC02-22219	1.0	1.0	1.0
NCC03-105RR	1.0	2.0	2.0
R01-379	1.2	2.0	2.0
R01-4834RR	1.0	2.0	2.0
R01-976	1.0	1.0	1.0
R03-1235	1.0	2.0	2.0
R03-224	1.0	2.0	2.0
S04-21273	1.0	2.0	2.0
TN02-064RR	1.0	2.0	2.0
TN02-104RR	1.0	1.0	1.0
TN02-151RR	1.0	2.0	2.0
TN03-234	1.0	2.0	2.0
TN04-593RR	1.0	2.0	2.0

❖Data not included in mean.

PRELIMINARY GROUP V

2007

Preliminary Group V nurseries were planted at 13 locations. Data were obtained from 9 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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. AG 5501RR	Commercial check	
4. DB02- 2517	H4994 W,T,TN X AP 4880 P,T	F6
5. DB03- 10440	DT96-7918 W,G X DT96-16809 P,T,T	F6
6. DB03- 1381	N94-546 P,T,T X DT96-16809 P,T,T	F6
7. DB03- 8416	DT96-6840 W,G X R95-798 P,G,T	F6
8. JTN-5107	S97-1753 x S96-2641-2-LOAM02	F9
9. JTN-5207	J98-32 X DT96-6840	F5
10. JTN-5307	DELSOY 5710 X DP-5644 (RR)-1-LOAM02	F9
11. K05-3069 RR	TN97-167 X K1551RR	F5
12. K05-3221 RR	R98-1817 X K02W-5	F5
13. K05-4657 RR	MD99-1098-2RR X K03W-108	F5
14. K05-4833 RR	U98-311422 X K03W-106	F5
15. K05-4987 RR	S99-2281 X K03W-104	F5
16. Md 04-40 RR	Md 94-5332(2) x [Manokin(2) x RR	
17. Md 04-5130	Md 96-5275 x K1423	
18. Md 04-5163	Md 96-5275 x K1454	
19. Md 04-5351	K1364 x Md 93-5298	
20. N01-11985	GRAHAM X LG93-8169	
21. N02-7002	Cook x Anand	
22. N02-7680	Cook x Archer (I)	
23. N02-8879	GRAHAM x N95-7390	
24. N03-7145	Hutcheson x Archer (I)	
25. NCC04-1273	N98-234 x Md97-5905	F5:9
26. NCC04-1555	Md97-5905 x N98-274	F5:9
27. NCC04-8020	TN96-58 x Clifford RR, BC3F1	F4:9
28. R01-1762	Caviness x R96-1502F	
29. R03-263	DT96-6840 x ANAND	
30. R03-946	TN93-99 x R95-798	
31. R04-357	R97-1650 x 98601	
32. R04-368	R97-1650 x 98601	
33. S04-23936(HP)	P6 X S98-3940-04RR	5
34. S04-24039(HP)	P6 X S98-3940-04RR	5
35. S04-8882	S99-2281 X LG97-7012	5
36. S05-4529	P1 X S02-683CR	5
37. S05-4630	P1 X S02-670CR	5
38. S05-4678	P1 X S02-670CR	5
39. S05-9192	U98-311442 X S02-683CR	5
40. TN02-275	Fowler x Anand	
41. TN04-5410	Prolina x TN93-99	
42. TN05-5118	5601T x Cx1834-1-2	
43. V03-0293	V91-3036 (3) x RR	
44. V03-3650	V92-0254 X Md94-5341	
45. V03-4531	N94-546 X Md 94-5341	
46. V03-4705	V93-2329 X Anand	
47. V03-5306	KS4694 X N94-546	

TABLE 37 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2007

STRAIN/ VARIETY	BARDWELL❖	BIXBY	PINE TREE	PITTSBURG	PORTAGEVILLE	QUEENSTOWN❖	ROHWER	STONEVILLE	ULLIN	MEAN
	TX	OK	AR	KS	MO(A)	MD	AR	MS	IL	
5601T	27.4	26.5	56.3	33.2	58.4	19.5	74.7	56.0	49.4	50.7
5002T	15.1-	28.5	60.6	29.4-	58.9	26.5	78.2	72.1	51.2	54.1
AG 5501RR	30.3	29.4	53.9	38.4+	57.8	33.5+	73.2	65.0	44.5	51.7
DB02-2517	28.7	38.7+	60.4	24.4-	46.4-	27.9	71.7	59.5	43.2	49.2
DB03-10440	24.5	35.4+	49.6	33.4	50.3-	30.1	76.8	67.9	42.5	50.9
DB03-1381	26.1	30.7	58.6	36.4+	55.9	34.7+	66.1	75.5+	49.4	53.2
DB03-8416	27.6	28.5	52.8	28.2-	56.4	21.7	70.2	67.9	44.5	49.8
JTN-5107	12.4-	27.7	65.2	30.9	59.0	38.5+	67.0	65.0	49.2	52.0
JTN-5207	27.2	35.5+	51.1	37.6+	57.8	37.3+	64.8	63.4	45.9	50.9
JTN-5307	27.8	42.6+	55.1	36.1+	52.3	33.4+	62.4-	57.9	46.9	50.5
K05-3069 RR	17.2	22.2	48.9	30.5	54.3	18.6	65.3	58.8	54.3	47.7
K05-3221 RR	20.6	31.3	70.8+	28.4-	54.9	20.6	60.0-	66.3	41.9	50.5
K05-4657 RR	9.9-	28.2	43.1-	27.2-	40.8-	21.4	64.8	51.9	43.9	42.8-
K05-4833 RR	22.7	31.5	44.9-	34.1	43.8-	26.8	62.7-	38.0-	43.9	42.7-
K05-4987 RR	15.9-	32.8	58.5	34.4	59.9	28.7	81.5	66.1	42.2	53.6
Md 04-40 RR	20.0	37.7+	40.8-	24.5-	30.1-	32.4+	55.2-	54.6	32.5-	39.3-
Md 04-5130	21.3	27.2	46.9	30.3-	45.6-	31.7+	65.2	41.2	50.3	43.8-
Md 04-5163	22.7	30.2	42.6-	30.2-	43.5-	25.6	47.1-	30.1-	44.0	38.2-
Md 04-5351	20.3	36.2+	49.8	32.2	46.4-	37.6+	75.3	49.8	32.5-	46.0
N01-11985	31.2	33.9+	59.1	28.1-	45.7-	17.5	70.3	54.9	32.8-	46.4
N02-7002	24.7	38.2+	64.2	35.3	58.2	25.5	72.9	70.4	49.8	55.6
N02-7680	3.3-	31.8	49.6	25.7-	38.4-	25.2	60.1-	36.9-	38.9-	40.2-
N02-8879	21.9	42.9+	48.1	29.7-	53.8	23.1	50.5-	39.0-	37.9-	43.1-
N03-7145	15.6-	39.2+	49.0	27.4-	46.0-	18.5	67.0	44.8	43.6	45.3
NCC04-1273	13.0-	41.5+	63.3	31.2	52.1	27.3	61.0-	42.0	49.4	48.6
NCC04-1555	13.1-	52.2+	69.6+	28.4-	57.1	19.7	57.9-	64.1	45.9	53.6
NCC04-8020	28.3	46.8+	64.3	27.9-	51.0-	23.3	68.7	58.1	42.9	51.4
R01-1762	20.7	41.4+	55.6	28.0-	51.2	17.2	74.1	73.7+	52.0	53.7
R03-263	27.4	46.7+	62.0	28.6-	52.3	18.0	76.1	65.0	44.8	53.6
R03-946	23.5	46.2+	60.3	31.4	54.9	19.8	76.4	63.8	45.1	54.0
R04-357	30.4	39.3+	60.0	37.0+	62.3	27.4	81.2	61.8	42.5	54.9
R04-368	24.1	45.8+	62.3	30.1-	53.7	21.1	71.5	69.9	44.7	54.0
S04-23936(HP)	36.3	39.2+	51.5	33.5	54.3	37.9+	66.3	68.2	50.4	51.9
S04-24039(HP)	30.4	49.6+	53.4	32.9	45.8-	39.3+	64.2-	58.2	39.4	49.1
S04-8882	21.1	40.3+	68.5+	38.0+	54.2	34.4+	71.4	61.0	48.6	54.6
S05-4529	27.5	36.5+	52.4	29.0-	52.8	24.6	68.7	69.3	48.4	51.0
S05-4630	33.4	38.4+	58.3	31.2	51.6	26.2	66.5	57.1	36.7-	48.5
S05-4678	33.2	43.9+	53.0	31.2	54.9	36.8+	61.8-	72.4	40.9	51.1
S05-9192	31.7	34.4+	59.7	27.8-	50.9-	34.7+	72.7	63.8	35.4-	49.2
TN02-275	25.5	41.5+	58.8	34.2	55.5	28.9	73.3	71.1	49.4	54.8
TN04-5410	24.1	19.9-	47.6	26.7-	50.6-	29.1	61.7-	60.6	39.2-	43.8-
TN05-5118	34.3	34.0+	47.8	24.2-	44.7-	22.7	62.6-	48.4	44.9	43.8-
V03-0293	12.2-	22.5	58.2	33.3	53.4	34.0+	69.4	48.4	43.6	46.9
V03-3650	33.0	47.3+	51.5	27.4-	53.4	26.2	76.4	58.1	39.3-	50.5
V03-4531	27.3	33.6+	52.6	27.2-	50.7-	22.8	59.6-	64.5	41.7	47.1
V03-4705	21.3	32.8	53.0	33.9	49.5-	31.9+	73.5	66.3	51.2	51.5
V03-5306	30.8	40.6+	57.5	26.3-	47.9-	20.5	71.1	63.0	36.7-	49.0
LOCATION MEAN	23.8	36.2	55.3	30.8	51.5	27.2	67.9	59.2	44.0	49.3
L.S.D. (0.05)	10.3	6.4	11.2	2.8	7.2	11.3	10.1	16.5	10.0	6.4
C.V. (%)	21.5	8.7	10.0	4.5	6.9	20.7	7.4	13.8	11.2	12.4

❖Data not included in mean.

TABLE 38 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2007

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	ULLIN IL	MEAN
5601T	19.0	20.4	21.2	19.7	21.7	20.9	20.6
5002T	22.0	21.3	23.1	20.1	22.9	22.4	22.3
AG 5501RR	19.9	20.7	20.4	21.0	21.5	21.7	20.8
DB02-2517	21.5	21.7	21.4	21.2	22.7	21.6	21.8
DB03-10440	19.6	19.6	21.0	19.9	22.4	20.3	20.6
DB03-1381	20.7	21.1	20.5	20.5	22.8	21.0	21.2
DB03-8416	20.0	21.2	20.0	21.3	21.1	19.9	20.4
JTN-5107	20.4	20.6	20.8	20.3	22.6	20.9	21.1
JTN-5207	20.1	20.7	20.5	20.1	21.1	20.9	20.7
JTN-5307	18.6	19.3	18.5	19.2	20.0	19.0	19.1
K05-3069 RR	20.7	20.2	21.5	20.6	23.3	21.4	21.4
K05-3221 RR	21.0	21.6	20.3	22.5	20.5	21.3	20.9
K05-4657 RR	19.9	20.0	19.7	19.2	21.7	20.0	20.3
K05-4833 RR	21.8	22.1	21.1	19.6	23.6	20.2	21.8
K05-4987 RR	20.6	19.8	20.8	20.6	23.7	21.1	21.2
Md 04-40 RR	21.5	22.4	21.8	21.2	22.0	22.7	22.1
Md 04-5130	21.0	20.4	21.2	19.9	22.5	20.5	21.1
Md 04-5163	21.8	21.4	22.8	21.6	24.1	23.6	22.7
Md 04-5351	21.0	23.1	22.2	21.6	23.2	22.7	22.4
N01-11985	20.4	21.9	21.1	20.7	22.0	20.9	21.3
N02-7002	19.8	19.6	19.2	19.0	23.1	19.6	20.3
N02-7680	19.9	20.2	19.6	20.1	22.4	20.2	20.5
N02-8879	19.8	19.6	20.1	20.2	22.6	20.8	20.6
N03-7145	21.2	22.3	22.1	22.2	22.8	21.3	21.9
NCC04-1273	20.7	22.1	22.6	22.2	.	23.2	22.2
NCC04-1555	22.0	22.2	23.0	22.6	23.1	21.9	22.4
NCC04-8020	20.1	20.8	20.7	20.7	22.5	22.0	21.2
R01-1762	20.1	20.5	20.4	20.2	23.7	21.1	21.2
R03-263	20.6	20.7	19.7	21.0	22.3	20.2	20.7
R03-946	21.1	21.6	21.8	22.1	22.7	22.6	22.0
R04-357	21.0	20.9	20.3	21.0	21.6	20.9	20.9
R04-368	21.9	20.9	20.4	21.3	20.6	21.4	21.0
S04-23936(HP)	22.0	22.0	20.7	21.3	22.6	20.2	21.5
S04-24039(HP)	21.3	21.5	20.5	20.6	24.4	21.8	21.9
S04-8882	20.5	20.5	21.6	20.3	23.9	21.3	21.6
S05-4529	20.5	21.9	20.8	21.0	23.5	21.3	21.6
S05-4630	19.9	20.6	19.8	21.1	22.3	20.0	20.5
S05-4678	21.0	21.1	19.7	20.9	22.2	20.0	20.8
S05-9192	20.4	21.5	19.9	21.2	23.3	20.5	21.1
TN02-275	21.8	22.2	20.3	21.2	19.9	21.4	21.1
TN04-5410	20.7	21.1	20.8	20.6	23.3	21.2	21.4
TN05-5118	19.6	20.7	19.3	20.3	21.9	20.4	20.4
V03-0293	21.2	22.5	22.4	20.6	23.0	22.3	22.3
V03-3650	21.2	21.4	20.7	21.8	22.4	21.6	21.5
V03-4531	20.0	20.4	19.9	19.6	21.8	20.5	20.5
V03-4705	19.0	21.1	20.0	20.0	20.7	20.0	20.2
V03-5306	20.8	21.4	20.2	21.0	22.2	21.2	21.2

❖Data not included in mean.

TABLE 39 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2007

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	ULLIN IL	MEAN
5601T	42.7	41.6	41.8	41.6	42.0	43.4	42.3
5002T	41.7	40.6	41.3	39.9	41.0	40.1	40.9
AG 5501RR	43.6	40.2	41.5	39.7	40.5	41.3	41.4
DB02-2517	40.3	39.3	39.7	37.4	39.5	40.1	39.8
DB03-10440	42.3	41.5	40.6	40.8	40.0	42.3	41.3
DB03-1381	42.1	39.5	40.5	39.3	38.6	40.2	40.2
DB03-8416	44.2	42.0	43.9	41.7	42.1	42.4	42.9
JTN-5107	43.4	41.3	41.9	40.7	40.5	40.8	41.6
JTN-5207	44.3	42.4	42.7	41.9	42.0	42.6	42.8
JTN-5307	44.2	40.9	43.4	41.3	42.3	42.1	42.6
K05-3069 RR	41.4	39.7	40.3	39.6	41.3	40.1	40.6
K05-3221 RR	42.8	39.9	41.3	37.2	41.4	40.9	41.3
K05-4657 RR	41.3	39.9	40.8	39.7	40.8	40.3	40.6
K05-4833 RR	40.4	38.9	39.3	39.0	39.2	40.4	39.6
K05-4987 RR	39.6	37.1	38.8	35.6	37.2	38.6	38.3
Md 04-40 RR	43.7	41.6	42.1	42.5	39.8	40.7	41.6
Md 04-5130	40.8	38.4	40.5	38.7	40.7	39.5	40.0
Md 04-5163	41.2	38.2	38.4	38.6	40.2	37.5	39.1
Md 04-5351	42.4	39.9	40.1	39.6	40.2	39.8	40.5
N01-11985	42.0	38.9	40.3	39.8	42.1	41.9	41.0
N02-7002	42.3	41.3	42.3	40.2	38.6	42.9	41.5
N02-7680	43.5	41.3	44.2	41.2	40.2	44.7	42.8
N02-8879	45.2	43.0	43.5	41.9	43.3	42.9	43.6
N03-7145	43.1	40.2	40.9	39.5	41.0	41.6	41.4
NCC04-1273	42.8	40.7	38.7	39.1	.	39.6	40.5
NCC04-1555	39.7	38.5	38.3	38.2	38.5	41.0	39.2
NCC04-8020	43.9	40.9	41.7	40.8	41.6	41.7	42.0
R01-1762	41.3	39.8	41.4	39.2	38.6	41.7	40.6
R03-263	43.1	41.6	43.2	39.6	42.1	43.5	42.7
R03-946	42.2	39.4	40.4	38.4	39.8	40.9	40.5
R04-357	42.6	41.4	41.2	39.6	41.2	42.8	41.8
R04-368	40.9	39.9	43.4	39.4	40.9	42.2	41.5
S04-23936(HP)	43.1	41.0	43.1	40.8	41.7	42.3	42.2
S04-24039(HP)	44.4	43.6	44.8	43.5	43.5	44.2	44.1
S04-8882	41.1	38.1	39.8	37.4	38.5	40.7	39.6
S05-4529	42.0	40.1	42.1	40.0	40.2	40.8	41.0
S05-4630	43.6	41.7	43.3	40.8	40.0	42.9	42.3
S05-4678	42.4	41.7	43.7	40.6	41.7	44.2	42.7
S05-9192	42.6	42.0	44.2	42.6	40.1	42.5	42.3
TN02-275	39.5	37.6	41.0	37.5	40.4	42.1	40.1
TN04-5410	43.4	41.7	42.8	40.8	37.9	43.1	41.8
TN05-5118	42.4	39.1	42.5	40.0	40.5	40.7	41.0
V03-0293	40.2	37.4	39.2	39.0	40.1	42.7	39.9
V03-3650	42.0	41.0	41.7	38.9	40.9	43.4	41.8
V03-4531	42.2	41.0	41.7	41.6	41.1	42.3	41.7
V03-4705	43.5	40.8	42.6	40.8	43.1	43.5	42.7
V03-5306	42.9	40.8	42.0	39.7	40.9	41.8	41.7

❖Data not included in mean.

TABLE 40 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2007

STRAIN/ VARIETY	BIXBY OK	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	ULLIN IL	MEAN
5601T	15.0	16.0	14.6	13.5	11.8	14.3	12.4	14.3
5002T	12.0	16.8	14.4	14.8	11.2	16.7	13.9	14.8
AG 5501RR	14.7	14.6	15.8	14.3	11.9	15.2	13.0	14.6
DB02-2517	13.1	12.8	13.0	12.6	11.3	12.4	11.3	12.5
DB03-10440	16.8	15.6	16.0	14.5	14.0	15.5	14.1	15.4
DB03-1381	12.2	13.8	13.6	12.3	11.3	15.7	12.8	13.4
DB03-8416	16.6	16.1	14.7	16.2	12.7	15.9	14.1	15.6
JTN-5107	12.4	14.7	13.2	13.2	11.6	13.2	12.8	13.3
JTN-5207	16.6	18.4	15.4	15.2	13.6	18.3	13.9	16.3
JTN-5307	14.4	13.8	14.6	13.9	13.6	13.3	12.7	13.8
K05-3069 RR	12.3	14.3	13.9	12.8	10.3	17.5	11.3	13.7
K05-3221 RR	13.7	13.7	12.7	12.8	11.7	13.4	11.2	12.9
K05-4657 RR	13.4	13.3	11.9	12.3	9.6	15.5	10.5	12.8
K05-4833 RR	12.6	10.6	13.3	11.5	10.0	14.8	9.4	12.0
K05-4987 RR	12.2	12.0	10.7	12.3	9.9	12.6	10.2	11.7
Md 04-40 RR	18.5	16.5	16.1	15.6	15.3	15.0	12.7	15.7
Md 04-5130	12.8	13.5	13.6	12.9	11.6	12.8	13.3	13.1
Md 04-5163	14.7	13.5	14.7	13.0	12.6	12.8	12.7	13.6
Md 04-5351	12.0	12.2	12.0	12.7	11.2	13.2	9.8	12.0
N01-11985	11.8	12.3	11.4	10.6	8.8	14.2	9.4	11.6
N02-7002	14.7	14.2	16.0	14.1	11.4	11.6	13.9	14.1
N02-7680	12.9	15.3	12.5	15.3	11.7	16.2	12.7	14.1
N02-8879	13.8	15.4	15.0	14.0	12.3	12.7	12.6	13.9
N03-7145	13.2	14.5	13.2	13.1	11.1	13.1	11.3	13.1
NCC04-1273	12.2	13.1	11.9	13.1	10.2	13.4	11.6	12.5
NCC04-1555	12.5	12.1	11.3	12.5	10.2	14.1	11.0	12.2
NCC04-8020	13.7	14.7	12.8	12.8	11.0	13.3	11.8	13.2
R01-1762	16.0	16.5	13.7	14.1	11.6	16.6	13.4	15.0
R03-263	16.5	16.1	14.0	14.3	12.1	16.6	14.0	15.2
R03-946	17.3	17.4	15.2	16.0	12.5	15.5	15.1	16.1
R04-357	15.2	14.1	13.5	12.5	11.5	14.2	12.5	13.7
R04-368	16.5	17.7	15.2	17.3	13.3	18.3	14.2	16.5
S04-23936(HP)	19.8	18.3	16.8	15.3	15.8	15.5	14.8	16.8
S04-24039(HP)	19.2	16.8	18.4	14.7	15.3	15.0	14.9	16.5
S04-8882	13.6	14.0	12.4	12.1	11.1	13.9	11.0	12.8
S05-4529	13.2	14.5	12.6	14.3	11.0	18.0	12.8	14.2
S05-4630	17.7	15.6	16.3	14.5	15.6	17.7	15.2	16.2
S05-4678	15.6	15.7	14.7	13.6	14.2	17.0	14.8	15.2
S05-9192	13.4	11.4	13.0	12.9	12.1	12.0	10.0	12.1
TN02-275	14.8	17.2	14.8	14.1	12.2	16.5	13.3	15.1
TN04-5410	14.7	14.9	13.6	14.4	12.4	15.6	13.3	14.4
TN05-5118	15.0	16.1	14.3	14.3	12.9	15.2	13.7	14.8
V03-0293	11.5	14.0	12.6	13.0	10.9	13.1	10.7	12.5
V03-3650	14.0	14.7	14.0	13.2	12.5	14.9	12.3	13.9
V03-4531	14.1	16.5	13.4	13.7	12.3	18.8	13.6	15.0
V03-4705	12.6	15.5	13.4	11.6	12.2	19.6	12.4	14.2
V03-5306	15.2	15.3	14.3	13.5	12.3	17.3	11.6	14.5

❖Data not included in mean.

TABLE 41 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2007

STRAIN/ VARIETY	BARDWELL❖	BIXBY	PINE TREE	PITTSBURG	PORTAGEVILLE	QUEENSTOWN❖	ROHWER	STONEVILLE	ULLIN	MEAN
	TX	OK	AR	KS	MO(A)	MD	AR	MS	IL	
5601T	19	21	25	23	27	21	29	28	48	29
5002T	15	22	26	21	25	19	23	26	28	24
AG 5501RR	19	23	31	27	34	22	28	30	36	30
DB02-2517	20	18	27	24	30	25	28	38	35	28
DB03-10440	20	22	31	26	22	22	27	40	39	29
DB03-1381	17	21	30	24	21	22	25	26	30	25
DB03-8416	17	18	27	24	32	21	26	36	37	28
JTN-5107	16	19	28	21	25	22	26	36	37	27
JTN-5207	20	27	38	28	30	30	33	40	33	32
JTN-5307	21	25	37	29	33	23	27	32	31	30
K05-3069 RR	16	19	25	21	23	17	20	24	36	24
K05-3221 RR	16	21	27	23	31	21	23	28	41	28
K05-4657 RR	14	23	23	24	20	20	24	18	27	22
K05-4833 RR	13	24	24	21	22	18	22	16	36	23
K05-4987 RR	14	22	29	24	35	20	24	34	33	29
Md 04-40 RR	15	25	25	23	20	22	26	26	41	26
Md 04-5130	17	15	19	20	21	17	20	22	40	22
Md 04-5163	15	19	22	24	20	19	20	22	38	23
Md 04-5351	17	17	19	21	24	22	28	18	35	23
N01-11985	19	24	27	23	30	20	26	24	39	27
N02-7002	18	22	25	24	32	17	29	30	30	27
N02-7680	9	20	29	19	15	18	18	8	34	20
N02-8879	21	26	27	26	27	25	33	30	26	28
N03-7145	15	21	31	23	32	19	24	22	35	27
NCC04-1273	15	25	28	26	23	24	27	29	39	28
NCC04-1555	19	22	25	25	24	20	27	32	35	27
NCC04-8020	16	24	31	25	28	23	28	24	44	29
R01-1762	18	22	27	25	27	22	29	26	37	27
R03-263	17	20	23	23	25	17	29	28	29	25
R03-946	20	24	32	25	39	21	33	40	35	32
R04-357	20	25	29	26	35	22	27	30	24	28
R04-368	19	19	24	24	29	22	29	30	33	27
S04-23936(HP)	21	24	28	23	41	22	40	42	38	34
S04-24039(HP)	20	26	36	24	37	24	35	42	37	34
S04-8882	20	27	29	23	27	21	30	36	43	31
S05-4529	22	20	32	26	28	22	28	40	39	30
S05-4630	23	32	38	26	34	19	38	46	50	38
S05-4678	26	26	44	25	43	26	41	46	47	39
S05-9192	21	22	34	22	34	21	29	36	42	31
TN02-275	17	24	26	23	26	19	24	30	37	27
TN04-5410	16	18	23	23	24	16	27	26	35	25
TN05-5118	37	28	45	25	48	25	42	54	50	42
V03-0293	17	20	26	23	24	21	26	32	39	27
V03-3650	19	23	22	24	26	25	30	28	38	27
V03-4531	19	23	25	21	24	19	29	30	36	27
V03-4705	17	20	24	22	24	21	29	30	32	26
V03-5306	22	21	31	25	27	23	33	32	39	30

❖Data not included in mean.

**TABLE 42 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V,
2007**

STRAIN/ VARIETY	PINE TREE	PITTSBURG	PORTAGEVILLE	QUEENSTOWN❖	ROHWER	STONEVILLE	ULLIN	MEAN
	AR	KS	MO(A)	MD	AR	MS	IL	
5601T	1.3	1.0	2.0	1.0	1.0	2.0	2.5	1.6
5002T	1.5	1.0	1.0	1.0	1.0	2.0	5.0	1.9
AG 5501RR	1.8	1.0	2.0	1.0	1.0	2.0	3.0	1.8
DB02-2517	2.0	1.0	2.0	1.3	1.0	3.0	3.3	2.0
DB03-10440	1.5	1.0	2.0	1.0	1.3	3.0	5.0	2.3
DB03-1381	1.5	1.0	3.0	1.0	1.0	2.0	3.0	1.9
DB03-8416	2.5	1.0	3.0	1.0	1.0	3.0	1.5	2.0
JTN-5107	1.3	1.0	1.0	1.0	1.0	3.0	3.0	1.7
JTN-5207	2.3	1.0	2.0	2.0	1.0	3.0	4.3	2.3
JTN-5307	2.0	1.0	3.0	1.3	1.5	4.0	2.5	2.3
K05-3069 RR	1.3	1.0	2.0	1.0	1.0	2.0	1.0	1.4
K05-3221 RR	1.5	1.0	2.0	1.0	1.0	2.0	1.0	1.4
K05-4657 RR	1.5	1.0	1.0	1.0	1.0	2.0	2.8	1.5
K05-4833 RR	1.5	1.0	2.0	1.0	1.0	2.0	1.0	1.4
K05-4987 RR	2.0	1.0	3.0	1.0	1.0	2.0	2.8	2.0
Md 04-40 RR	1.5	1.0	2.0	1.0	1.0	2.0	1.0	1.4
Md 04-5130	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.2
Md 04-5163	1.0	1.0	2.0	1.0	1.0	2.0	1.0	1.3
Md 04-5351	1.0	1.0	1.0	1.0	1.0	2.0	1.5	1.3
N01-11985	1.5	1.0	1.0	1.0	1.0	2.0	1.0	1.3
N02-7002	1.5	1.0	3.0	1.0	1.0	2.0	4.3	2.1
N02-7680	1.5	1.0	1.0	1.0	1.0	2.0	1.8	1.4
N02-8879	2.0	1.0	2.0	1.0	3.5	4.0	4.0	2.8
N03-7145	1.5	1.0	2.0	1.0	1.0	2.0	3.0	1.8
NCC04-1273	1.5	1.0	2.0	1.0	1.0	2.0	1.5	1.5
NCC04-1555	1.5	1.0	2.0	1.0	1.0	2.0	1.0	1.4
NCC04-8020	1.5	1.0	1.0	1.0	1.0	2.0	2.0	1.4
R01-1762	1.5	1.0	2.0	1.0	1.8	2.0	4.8	2.2
R03-263	1.5	1.0	2.0	1.0	1.8	2.0	4.3	2.1
R03-946	2.3	1.0	2.0	1.0	1.0	3.0	2.5	2.0
R04-357	2.3	1.0	3.0	1.0	1.8	3.0	3.8	2.5
R04-368	1.5	1.0	2.0	1.0	1.0	3.0	2.8	1.9
S04-23936(HP)	2.0	1.0	2.0	1.0	3.0	4.0	1.0	2.2
S04-24039(HP)	2.0	1.0	3.0	1.0	1.0	4.0	1.3	2.0
S04-8882	1.5	1.0	2.0	1.0	1.0	3.0	3.5	2.0
S05-4529	1.8	1.0	2.0	1.0	1.0	3.0	2.5	1.9
S05-4630	1.5	1.0	2.0	1.0	1.0	4.0	1.0	1.8
S05-4678	2.8	1.0	3.0	1.0	1.5	4.0	2.8	2.5
S05-9192	1.5	1.0	1.0	1.0	1.0	3.0	1.0	1.4
TN02-275	1.5	1.0	2.0	1.0	1.0	2.0	4.3	2.0
TN04-5410	1.3	1.0	3.0	1.0	1.0	2.0	2.5	1.8
TN05-5118	2.8	1.0	3.0	1.0	2.5	5.0	1.8	2.7
V03-0293	1.8	1.0	2.0	1.0	1.0	2.0	2.5	1.7
V03-3650	1.0	1.0	2.0	1.0	1.0	2.0	2.5	1.6
V03-4531	1.0	1.0	2.0	1.0	1.8	2.0	2.8	1.8
V03-4705	1.5	1.0	1.0	1.0	1.3	2.0	3.8	1.8
V03-5306	1.5	1.0	1.0	1.0	1.0	2.0	1.0	1.3

❖Data not included in mean.

**TABLE 43 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V,
2007**

STRAIN/ VARIETY	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN❖ MD	STONEVILLE MS	ULLIN IL	MEAN
5601T	4.0	1.0	3.0	1.0	2.0	1.0	2.2
5002T	3.8	2.0	3.0	1.3	2.0	1.0	2.4
AG 5501RR	3.0	2.0	4.0	1.5	3.0	1.0	2.6
DB02-2517	2.5	2.0	3.0	1.0	2.0	1.0	2.1
DB03-10440	3.3	1.0	2.0	1.5	2.0	1.0	1.9
DB03-1381	2.0	1.0	3.0	1.5	2.0	1.0	1.8
DB03-8416	2.3	2.0	4.0	1.3	2.0	1.0	2.3
JTN-5107	3.0	2.0	3.0	1.5	2.0	1.0	2.2
JTN-5207	4.3	2.0	3.0	2.0	2.0	1.0	2.5
JTN-5307	3.0	2.0	4.0	2.0	2.0	1.0	2.4
K05-3069 RR	3.3	2.0	3.0	1.5	2.0	1.0	2.3
K05-3221 RR	1.5	2.0	3.0	1.5	2.0	1.0	1.9
K05-4657 RR	3.0	2.0	3.0	1.5	2.0	1.0	2.2
K05-4833 RR	3.3	2.0	3.0	1.5	2.0	1.0	2.3
K05-4987 RR	1.8	1.0	2.0	1.5	2.0	1.5	1.7
Md 04-40 RR	2.8	2.0	4.0	1.5	2.0	1.5	2.5
Md 04-5130	3.5	2.0	3.0	1.5	2.0	1.0	2.3
Md 04-5163	4.8	2.0	3.0	1.0	2.0	1.0	2.6
Md 04-5351	2.5	2.0	3.0	1.0	2.0	1.0	2.1
N01-11985	2.5	2.0	3.0	1.0	2.0	1.0	2.1
N02-7002	2.8	2.0	3.0	1.3	2.0	1.0	2.2
N02-7680	3.0	2.0	3.0	1.3	2.0	1.0	2.2
N02-8879	1.8	2.0	3.0	1.0	2.0	1.0	2.0
N03-7145	2.8	2.0	3.0	1.3	2.0	2.0	2.4
NCC04-1273	2.5	2.0	3.0	1.0	2.0	1.0	2.1
NCC04-1555	2.0	1.0	3.0	1.0	2.0	1.0	1.8
NCC04-8020	2.3	1.0	3.0	1.8	2.0	1.0	1.9
R01-1762	2.8	2.0	3.0	2.0	2.0	1.0	2.2
R03-263	3.0	1.0	3.0	2.3	2.0	1.0	2.0
R03-946	1.5	1.0	3.0	1.0	2.0	1.0	1.7
R04-357	3.3	2.0	3.0	1.3	2.0	1.0	2.3
R04-368	2.5	2.0	3.0	1.5	2.0	1.0	2.1
S04-23936(HP)	3.8	2.0	4.0	2.5	2.0	1.5	2.7
S04-24039(HP)	3.0	2.0	3.0	1.8	2.0	1.0	2.2
S04-8882	2.8	2.0	3.0	2.0	2.0	1.0	2.2
S05-4529	2.0	2.0	3.0	1.5	3.0	1.5	2.3
S05-4630	4.3	2.0	4.0	1.5	2.0	2.0	2.9
S05-4678	3.3	2.0	4.0	1.5	2.0	1.0	2.5
S05-9192	2.5	2.0	4.0	1.3	2.0	1.0	2.3
TN02-275	3.8	2.0	4.0	2.0	3.0	1.5	2.9
TN04-5410	3.8	2.0	3.0	1.5	2.0	1.0	2.4
TN05-5118	4.3	2.0	3.0	1.8	2.0	2.0	2.7
V03-0293	2.3	2.0	3.0	1.0	2.0	1.0	2.1
V03-3650	2.3	2.0	3.0	2.0	2.0	1.5	2.2
V03-4531	3.8	2.0	3.0	2.3	2.0	1.5	2.5
V03-4705	3.3	2.0	3.0	1.8	2.0	1.5	2.4
V03-5306	3.0	2.0	3.0	1.8	2.0	1.5	2.3

❖Data not included in mean.

UNIFORM GROUP VI

2007

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, 2007

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. Au03-506	NC-Roy x G92-1110	
5. G03-2018 RR	G94-3117 X Boggs RR	F5d
6. G03-2148 RR	G94-3117 X Boggs RR	F5d
7. G03-2394 RR	G94-3117 X H7242 RR	F5d
8. N01-10974	N6201 x N95-7390	F4
9. N02-8492	DILLON X N96-6730	F4
10. NCC01-69	TN93-99/J94-7(2,3,14)	
11. NCC02-21183	TN93-99 x Fowler	
12. NCC02-24030RR	TN99-76,194 x TN93-99RR	
13. NCC02-307	Anand/MD94-5396	
14. R01-2346	V91-3036 x HBK 5990	
15. R01-327	R96-2660 x HBK 5990	
16. R03-1134	M91-163126 x OT93-28	
17. R03-1232	PI0 9592 x KS4895	
18. R98-209	A6297 x Clifford	
19. SC02-011RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
20. SC03-9090RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
21. SC03-9091RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
22. SC03-9093RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
23. SC03-9151RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
24. NCC03-149RR	(TN93-142[3] x Monstanto RR)BC3F2:derived	
25. VS22-477	(PI 423905 x Bay) VS95-49 x VS94-17 (York x PI 416937)	"
26. VS22-523	Forrest x Essex	"
27. VS22-524	Forrest x Essex	"

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

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2007	06-07	05-07	2007	06-07	05-07	2007	06-07	05-07
DILLON	22	17	44.8	47.1	45.8	42.9	42.4	42.0	20.3	19.7	20.0
BOGGS RR	21	14	44.9	47.6	44.3	42.4	42.6	43.0	21.4	20.1	20.1
NC-ROY	9	12	47.3	50.5	48.0	42.3	42.4	42.1	19.5	18.7	18.9
Au03-506	24	17	44.2	.	.	40.4	.	.	19.7	.	.
G03-2018 RR	19	15	45.1	.	.	42.0	.	.	20.1	.	.
G03-2148 RR	25	16	43.3	46.4	.	43.2	43.2	.	19.7	18.8	.
G03-2394 RR	26	17	42.8	.	.	42.8	.	.	21.3	.	.
N01-10974	27	19	42.5	46.0	43.1	45.7	45.5	45.5	18.8	18.0	18.3
N02-8492	15	15	46.1	.	.	39.9	.	.	20.2	.	.
NCC01-69	8	12	47.5	49.5	.	40.4	40.2	.	22.2	21.3	.
NCC02-21183	7	13	47.5	.	.	40.8	.	.	20.7	.	.
NCC02-24030RR	10	12	47.2	.	.	40.8	.	.	22.2	.	.
NCC02-307	5	12	48.1	50.2	48.7	40.1	40.5	40.2	20.2	19.2	19.5
R01-2346	3	9	50.6	52.4	.	40.7	41.0	.	21.6	20.5	.
R01-327	1	9	50.8	.	.	40.8	.	.	20.7	.	.
R03-1134	4	10	48.7	.	.	42.6	.	.	20.1	.	.
R03-1232	2	9	50.6	.	.	39.9	.	.	20.9	.	.
R98-209	11	14	46.8	50.4	48.9	42.0	41.6	41.2	20.5	19.6	19.9
SC02-011RR	12	14	46.8	49.0	.	41.3	41.1	.	21.2	20.3	.
SC03-9090RR	16	16	46.0	.	.	43.4	.	.	20.3	.	.
SC03-9091RR	18	16	45.5	47.8	.	41.8	41.4	.	20.6	20.0	.
SC03-9093RR	23	15	44.3	47.2	.	42.1	42.0	.	21.3	20.3	.
SC03-9151RR	6	12	47.7	.	.	42.5	.	.	21.5	.	.
NCC03-149RR	14	14	46.6	.	.	40.5	.	.	20.6	.	.
VS22-477	17	15	45.6	45.0	.	40.4	40.5	.	20.5	19.5	.
VS22-523	20	18	45.0	46.7	43.6	40.9	41.2	41.6	21.1	20.3	20.0
VS22-524	13	14	46.6	47.5	44.7	40.7	40.6	40.9	21.0	20.4	20.4

❖Data not included in mean ~ 2007 - Alexandria, LA; Belle Mina, AL; Clemson, SC; Warsaw, VA
2006 - Bixby, OK; Bossier City, LA; Tallassee, AL(A)
2005 - Beaumont, TX; 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	1.5	33	1.6	15.0			
BOGGS RR	2+	1.6	31	1.6	12.3			
NC-ROY	4+	2.0	31	2.1	13.3			
Au03-506	5+	1.9	35	1.9	13.4	P	T	
G03-2018 RR	1+	1.4	33	1.5	16.1	W	T	T
G03-2148 RR	1+	1.6	35	1.5	14.1	W	T	T
G03-2394 RR	4+	1.6	36	1.6	14.9	W	G	T
N01-10974	0	1.9	33	1.8	21.4	P	G	P
N02-8492	0	1.2	30	1.8	17.6	P	G	
NCC01-69	0	1.2	27	2.2	16.8			
NCC02-21183	4-	1.1	25	2.3	13.8			
NCC02-24030RR	3-	1.3	25	1.8	14.2			
NCC02-307	1-	1.0	28	1.7	15.6			
R01-2346	2-	1.2	28	1.9	16.3	P	G	
R01-327	0	1.3	30	1.7	17.8	P	T	
R03-1134	3-	1.6	29	1.9	17.7	P	T	
R03-1232	2-	1.1	28	2.0	16.2	W	G	
R98-209	1+	1.7	33	2.2	15.3	P	G	
SC02-011RR	0	1.8	34	1.5	14.7	P	G	
SC03-9090RR	0	1.5	33	1.9	15.2	P	G	
SC03-9091RR	1-	1.4	34	1.9	16.2	P	G	
SC03-9093RR	2+	1.4	37	1.8	17.0	P	G	
SC03-9151RR	1+	1.4	33	1.9	17.8	P	G	
NCC03-149RR	1+	1.1	28	1.8	16.4			
VS22-477	3-	1.6	29	1.7	14.1	W	G	
VS22-523	5-	1.4	30	2.1	14.8	W	G	
VS22-524	4-	1.4	31	1.9	13.6	W	G	

TABLE 45 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV	SC	SC
	1.2.7	0	1.3.5.6.7						
DILLON	5	4	3	3.8	1.0	SEG	R	S	5
BOGGS RR	3	1	1	2.8	1.0	S	S	R	1
NC-ROY	5	4	3	5.0	5.0	S	R	S	5
Au03-506	4	2	3	4.3	2.0	S	R	S	5
G03-2018 RR	3	1	2	3.3	1.0	S	R	R	1
G03-2148 RR	4	1	4	2.3	1.0	S	S	R	1
G03-2394 RR	3	1	4	3.0	1.0	S	S	R	1
N01-10974	4	4	4	4.5	3.8	S	R	R	1
N02-8492	4	4	3	4.8	4.8	S	R	S	5
NCC01-69	5	4	2	4.5	5.0	S	R	R	1
NCC02-21183	5	4	4	4.8	5.0	S	S	R	1
NCC02-24030RR	3	4	4	4.8	5.0	S	R	S	5
NCC02-307	1	2	1	5.0	5.0	S	S	R	1
R01-2346	2	4	3	3.0	1.5	S	S	S	5
R01-327	2	2	1	5.0	5.0	R	R	S	5
R03-1134	2	2	2	5.0	1.3	R	R	R	1
R03-1232	2	4	2	3.5	5.0	R	S	R	1
R98-209	3	1	1	3.8	5.0	R	SEG	S	5
SC02-011RR	3	2	3	4.5	2.5	S	R	S	5
SC03-9090RR	1	3	3	4.5	1.5	SEG	R	S	5
SC03-9091RR	1	5	3	4.0	1.0	R	R	R	1
SC03-9093RR	1	1	4	5.0	1.3	S	R	R	1
SC03-9151RR	2	1	3	4.8	1.0	S	R	S	5
NCC03-149RR	1	3	1	5.0	5.0	S	R	R	1
VS22-477	3	4	3	3.3	3.8	R	S	S	5
VS22-523	4	1	2	2.8	5.0	S	S	S	5
VS22-524	3	1	3	3.5	4.8	S	S	S	5

TABLE 46 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2007

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW❖ VA	
DILLON	29.6	18.8	29.6
BOGGS RR	27.7	17.2	27.7
NC-ROY	26.0	23.9	26.0
Au03-506	22.3	19.8	22.3
G03-2018 RR	26.3	16.1	26.3
G03-2148 RR	28.0	18.7	28.0
G03-2394 RR	28.6	26.2	28.6
N01-10974	19.0	23.3	19.0
N02-8492	17.1	22.8	17.1
NCC01-69	26.1	25.5	26.1
NCC02-21183	21.3	21.0	21.3
NCC02-24030RR	26.6	17.9	26.6
NCC02-307	28.9	18.7	28.9
R01-2346	31.1	19.6	31.1
R01-327	30.0	21.9	30.0
R03-1134	28.5	31.9	28.5
R03-1232	23.4	21.3	23.4
R98-209	21.7	24.5	21.7
SC02-011RR	22.0	20.0	22.0
SC03-9090RR	26.2	19.9	26.2
SC03-9091RR	20.0	22.4	20.0
SC03-9093RR	29.1	23.4	29.1
SC03-9151RR	28.2	25.1	28.2
NCC03-149RR	21.1	23.1	21.1
VS22-477	22.4	20.9	22.4
VS22-523	19.2	25.5	19.2
VS22-524	21.4	26.2	21.4
LOCATION MEAN	24.9	22.1	24.9
L.S.D. (0.05)	2.3	7.1	1.0
C.V. (%)	5.6	19.8	7.6

❖Data not included in mean.

TABLE 46 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA❖	ATHENS	BELLE MINA❖	BLACKVILLE	CALHOUN	CLEMSON❖	FAIRHOPE	TALLASSEE	TIFTON	MEAN
	LA	GA(A)	AL	SC(A)	GA	SC	AL	AL(A)	GA	
DILLON	18.7	26.6	10.6	36.4	38.5	32.6	56.7	32.8	56.2	41.2
BOGGS RR	21.8	34.8	10.9	38.3	51.3	36.0	58.7	46.9	59.3	48.2
NC-ROY	15.0	33.1	10.0	37.6	48.2	45.4	69.0	47.8	54.2	48.3
Au03-506	.	26.0	7.9	36.3	42.9	40.6	59.6	40.2	58.9	44.0
G03-2018 RR	20.4	30.2	8.2	33.1	45.5	39.6	58.1	41.6	68.4	46.2
G03-2148 RR	16.1	34.8	10.0	31.5	42.7	35.9	62.6	39.4	59.7	45.1
G03-2394 RR	35.4	36.9	10.0	25.9	45.7	42.2	56.1	50.1	56.9	45.3
N01-10974	19.8	30.3	9.1	29.2	34.0	42.1	63.9	40.3	55.2	42.1
N02-8492	26.3	39.1	9.4	30.7	42.6	41.2	65.2	27.3	60.9	44.3
NCC01-69	24.5	31.9	11.2	29.0	43.0	38.3	61.0	40.3	65.0	45.1
NCC02-21183	23.1	41.7	9.1	27.3	47.7	33.5	62.6	40.1	66.5	47.7
NCC02-24030RR	19.9	29.1	7.0	33.6	52.0	37.5	64.3	35.4	64.8	46.5
NCC02-307	31.8	41.2	12.4	32.8	37.2	38.7	61.3	39.3	61.0	45.5
R01-2346	26.3	33.8	11.2	33.4	44.6	37.7	68.8	37.9	73.4	48.6
R01-327	26.5	33.8	9.7	39.4	44.3	26.5	61.8	46.3	70.0	49.3
R03-1134	31.9	41.3	10.9	36.0	46.6	49.2	64.3	39.0	68.4	49.3
R03-1232	22.9	43.4	12.4	29.9	51.9	32.6	61.1	40.1	65.4	48.6
R98-209	22.5	31.6	14.5	34.7	41.1	41.6	70.6	35.9	66.2	46.7
SC02-011RR	27.6	28.2	11.2	33.6	43.1	40.1	62.2	47.5	61.7	46.0
SC03-9090RR	26.3	33.9	8.8	32.7	42.0	40.4	58.6	30.7	65.4	43.9
SC03-9091RR	23.0	32.1	8.8	28.7	39.6	38.1	62.2	39.0	59.0	43.4
SC03-9093RR	18.9	30.5	6.7	33.5	47.1	34.7	65.3	41.0	52.5	45.0
SC03-9151RR	19.8	29.3	11.5	36.8	42.3	41.3	64.8	47.7	66.4	47.9
NCC03-149RR	24.7	42.0	16.0	32.4	46.0	39.8	59.2	34.0	68.0	46.9
VS22-477	14.8	29.4	10.0	31.3	46.7	35.4	63.7	38.5	69.8	46.5
VS22-523	16.0	28.9	15.1	30.4	41.1	32.7	58.4	36.9	66.9	43.8
VS22-524	18.5	23.2	9.1	25.4	49.6	30.9	55.8	33.8	76.5	44.1
LOCATION MEAN	22.8	33.2	10.4	32.6	44.3	37.9	62.1	39.6	63.6	45.9
L.S.D. (0.05)	13.7	8.6	4.9	5.8	10.4	10.0	7.8	10.4	10.7	.
C.V. (%)	29.2	15.9	28.6	10.9	14.2	16.1	7.5	16.1	10.3	14.4

❖Data not included in mean.

TABLE 46 ~ Continued

STRAIN/ VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS	
DILLON	62.3	61.4	54.0	59.2
BOGGS RR	53.3	56.8	30.4	46.9
NC-ROY	58.5	67.6	49.4	58.5
Au03-506	56.8	72.5	39.6	56.3
G03-2018 RR	62.5	58.2	38.9	53.2
G03-2148 RR	57.2	53.8	30.8	47.2
G03-2394 RR	49.8	52.8	28.4	43.7
N01-10974	56.3	56.0	46.4	52.9
N02-8492	68.2	68.3	59.2	65.2
NCC01-69	63.1	71.7	55.5	63.5
NCC02-21183	62.1	71.9	53.1	62.4
NCC02-24030RR	53.4	69.4	51.4	58.1
NCC02-307	63.6	68.8	62.2	64.9
R01-2346	61.4	60.2	71.7	64.4
R01-327	64.2	68.5	74.5	69.0
R03-1134	66.3	68.9	46.1	60.4
R03-1232	61.0	70.1	71.2	67.4
R98-209	52.1	71.2	56.2	59.9
SC02-011RR	59.8	66.2	56.7	60.9
SC03-9090RR	60.7	68.1	60.5	63.1
SC03-9091RR	70.9	58.2	56.6	61.9
SC03-9093RR	62.6	54.7	41.4	52.9
SC03-9151RR	65.5	66.5	43.9	58.6
NCC03-149RR	66.0	66.3	47.0	59.8
VS22-477	57.5	63.6	44.7	55.3
VS22-523	57.4	65.8	55.7	59.6
VS22-524	58.7	70.4	58.5	62.5
LOCATION MEAN	60.4	64.7	51.3	58.8
L.S.D. (0.05)	8.7	8.5	8.1	11.1
C.V. (%)	8.8	7.8	9.6	13.5

TABLE 46 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	30.3	52.3	41.3
BOGGS RR	30.6	50.1	40.4
NC-ROY	34.7	41.6	38.1
Au03-506	32.0	43.4	37.7
G03-2018 RR	32.4	45.9	39.1
G03-2148 RR	35.5	44.1	39.8
G03-2394 RR	32.1	50.1	41.1
N01-10974	27.2	52.5	39.8
N02-8492	29.1	45.0	37.1
NCC01-69	35.3	47.8	41.5
NCC02-21183	28.5	47.0	37.8
NCC02-24030RR	35.2	51.6	43.4
NCC02-307	32.5	48.9	40.7
R01-2346	33.5	57.0	45.2
R01-327	29.9	47.4	38.7
R03-1134	30.1	49.2	39.7
R03-1232	38.7	50.7	44.7
R98-209	33.3	47.2	40.2
SC02-011RR	35.0	45.1	40.1
SC03-9090RR	30.2	43.8	37.0
SC03-9091RR	34.8	44.9	39.8
SC03-9093RR	29.9	43.4	36.7
SC03-9151RR	32.0	48.5	40.3
NCC03-149RR	33.7	43.2	38.4
VS22-477	30.8	49.0	39.9
VS22-523	30.8	49.0	39.9
VS22-524	33.5	52.8	43.2
LOCATION MEAN	32.3	47.8	40.1
L.S.D. (0.05)	4.6	9.1	6.7
C.V. (%)	8.6	11.6	12.1

TABLE 47 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2007

OIL PERCENTAGES

STRAIN/ VARIETY	ATHENS	BELLE MINA❖	BIXBY	BLACKVILLE	BOSSIER CITY	CALHOUN	CLEMSON❖	FAIRHOPE	PETERSBURG	PINE TREE	TALLASSEE	TIFTON	WARSAW❖	MEAN
	GA	AL	OK	SC(A)	LA	GA	SC	AL	VA	AR	AL(A)	GA	VA	
DILLON	21.2	.	18.8	20.8	.	.	20.9	21.6	19.8	.	19.7	.	20.2	20.3
BOGGS RR	22.3	.	20.3	21.3	.	.	21.8	22.1	20.0	.	22.1	.	20.2	21.4
NC-ROY	19.9	.	17.6	19.6	.	.	20.3	20.6	18.6	.	20.6	.	19.0	19.5
Au03-506	20.1	.	18.8	20.3	.	.	20.2	21.3	18.1	.	19.7	.	19.0	19.7
G03-2018 RR	20.1	.	18.8	20.2	.	.	19.2	20.4	19.8	.	21.3	.	19.3	20.1
G03-2148 RR	20.9	.	18.6	20.1	.	.	20.7	19.7	18.6	.	20.4	.	19.5	19.7
G03-2394 RR	21.8	.	19.9	20.6	.	.	21.4	22.1	20.1	.	23.0	.	20.8	21.3
N01-10974	18.4	.	17.7	20.2	.	.	18.9	19.4	17.9	.	19.4	.	17.4	18.8
N02-8492	20.7	.	19.8	20.3	.	.	20.2	21.4	18.7	.	20.2	.	19.3	20.2
NCC01-69	21.8	.	21.9	23.3	.	.	23.1	23.2	21.4	.	21.5	.	20.9	22.2
NCC02-21183	20.1	.	20.8	21.3	.	.	22.5	20.8	20.2	.	21.1	.	20.8	20.7
NCC02-24030RR	22.6	.	21.3	22.5	.	.	23.4	23.3	20.9	.	22.3	.	21.1	22.2
NCC02-307	20.9	.	19.3	20.8	.	.	20.6	20.6	19.6	.	19.9	.	18.8	20.2
R01-2346	21.5	.	20.2	22.4	.	.	21.4	22.2	20.6	.	22.5	.	21.4	21.6
R01-327	20.2	.	19.5	21.6	.	.	20.4	22.2	19.4	.	21.3	.	19.4	20.7
R03-1134	19.7	.	19.1	20.4	.	.	20.8	20.9	19.7	.	20.9	.	19.7	20.1
R03-1232	21.8	.	19.6	23.0	.	.	20.8	20.3	19.2	.	21.2	.	20.8	20.9
R98-209	20.2	.	20.2	20.8	.	.	20.6	21.1	20.5	.	20.4	.	19.9	20.5
SC02-011RR	22.8	.	20.0	21.4	.	.	21.6	22.2	19.8	.	21.1	.	21.3	21.2
SC03-9090RR	20.7	.	18.9	21.2	.	.	21.4	21.2	20.2	.	19.4	.	20.2	20.3
SC03-9091RR	21.5	.	19.7	20.7	.	.	21.6	21.5	19.9	.	20.5	.	20.5	20.6
SC03-9093RR	22.2	.	20.7	20.9	.	.	21.3	21.9	20.4	.	21.5	.	20.9	21.3
SC03-9151RR	22.0	.	20.8	21.9	.	.	22.5	22.5	20.8	.	21.2	.	21.9	21.5
NCC03-149RR	21.3	.	19.9	20.2	.	.	20.5	21.5	20.7	.	20.1	.	20.2	20.6
VS22-477	21.4	.	18.7	21.9	.	.	20.8	21.7	19.3	.	20.0	.	20.1	20.5
VS22-523	21.6	.	18.7	21.7	.	.	21.5	22.3	20.5	.	21.5	.	21.9	21.1
VS22-524	21.2	.	19.3	21.1	.	.	21.8	22.6	19.3	.	22.5	.	21.6	21.0

❖Data not included in mean.

TABLE 47 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA	BELLE MINA❖ AL	BIXBY OK	BLACKVILLE SC(A)	BOSSIER CITY LA	CALHOUN GA	CLEMSON❖ SC	FAIRHOPE AL	PETERSBURG VA	PINE TREE AR	TALLASSEE AL(A)	TIFTON GA	WARSAW❖ VA	MEAN
DILLON	40.5	.	45.9	42.1	.	.	39.2	43.1	41.8	.	44.1	.	39.0	42.9
BOGGS RR	39.1	.	44.2	42.2	.	.	38.9	44.9	42.1	.	42.0	.	41.1	42.4
NC-ROY	40.2	.	46.1	41.6	.	.	39.7	41.6	42.8	.	41.5	.	41.3	42.3
Au03-506	38.3	.	41.8	39.5	.	.	38.0	39.8	41.8	.	40.9	.	40.9	40.4
G03-2018 RR	40.2	.	44.0	42.4	.	.	41.1	43.1	41.6	.	40.7	.	40.8	42.0
G03-2148 RR	41.3	.	45.2	42.5	.	.	38.5	44.1	42.9	.	43.3	.	40.3	43.2
G03-2394 RR	41.6	.	45.8	42.4	.	.	39.3	44.7	41.7	.	40.7	.	41.1	42.8
N01-10974	45.4	.	48.7	44.6	.	.	41.1	45.6	45.3	.	44.7	.	43.8	45.7
N02-8492	37.9	.	41.8	40.0	.	.	37.5	39.0	40.8	.	40.1	.	39.4	39.9
NCC01-69	40.7	.	42.4	39.0	.	.	36.3	40.1	38.5	.	41.7	.	38.3	40.4
NCC02-21183	40.1	.	42.0	41.3	.	.	35.7	40.9	39.3	.	41.2	.	38.0	40.8
NCC02-24030RR	39.5	.	43.2	39.7	.	.	35.9	40.1	41.7	.	40.3	.	39.9	40.8
NCC02-307	38.6	.	41.8	39.1	.	.	36.8	40.9	38.5	.	41.6	.	37.4	40.1
R01-2346	40.7	.	43.1	40.4	.	.	38.3	41.0	39.6	.	39.6	.	38.5	40.7
R01-327	40.7	.	42.8	39.9	.	.	37.3	40.0	40.5	.	40.7	.	39.0	40.8
R03-1134	42.7	.	43.7	42.2	.	.	40.0	42.7	42.4	.	41.6	.	40.1	42.6
R03-1232	38.8	.	43.1	37.0	.	.	38.6	40.7	39.8	.	40.2	.	38.4	39.9
R98-209	41.1	.	44.5	41.6	.	.	40.1	40.7	41.4	.	42.6	.	39.9	42.0
SC02-011RR	38.2	.	42.8	40.7	.	.	38.8	42.7	40.9	.	42.5	.	39.1	41.3
SC03-9090RR	42.2	.	46.3	41.8	.	.	41.6	42.9	42.7	.	44.2	.	40.5	43.4
SC03-9091RR	40.0	.	43.5	40.5	.	.	38.3	43.9	41.9	.	41.0	.	39.4	41.8
SC03-9093RR	40.6	.	43.2	41.6	.	.	39.1	43.5	41.6	.	41.9	.	40.7	42.1
SC03-9151RR	40.7	.	45.4	40.7	.	.	37.9	43.7	41.6	.	42.8	.	38.7	42.5
NCC03-149RR	38.3	.	42.4	40.4	.	.	39.1	41.4	39.2	.	41.3	.	39.3	40.5
VS22-477	39.0	.	43.9	38.7	.	.	36.0	39.1	41.0	.	40.9	.	37.8	40.4
VS22-523	40.1	.	45.4	39.8	.	.	38.9	40.9	39.8	.	39.5	.	38.1	40.9
VS22-524	40.8	.	43.8	39.9	.	.	45.9	40.9	40.4	.	38.6	.	37.7	40.7

❖Data not included in mean.

TABLE 47 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS	BELLE MINA❖	BIXBY	BLACKVILLE	BOSSIER CITY	CALHOUN	CLEMSON❖	FAIRHOPE	PETERSBURG	PINE TREE	TALLASSEE	TIFTON	WARSAW❖	MEAN
	GA	AL	OK	SC(A)	LA	GA	SC	AL	VA	AR	AL(A)	GA	VA	
DILLON	15.5	13.4	12.9	12.0	13.2	16.8	20.0	16.3	12.7	16.0	17.7	17.2	13.4	15.0
BOGGS RR	13.1	13.0	12.1	12.0	11.5	15.6	18.0	17.0	9.8	11.9	13.0	13.4	12.8	12.9
NC-ROY	14.8	13.4	11.1	12.0	10.8	14.6	20.0	15.2	10.9	14.5	14.0	15.1	12.6	13.3
Au03-506	12.6	13.0	16.2	14.0	10.6	14.4	20.0	15.2	10.5	12.8	13.1	14.7	13.2	13.4
G03-2018 RR	16.0	15.6	12.2	16.0	13.7	17.3	14.0	20.6	13.6	16.0	17.2	18.0	15.3	16.1
G03-2148 RR	14.8	14.2	12.8	16.0	12.0	17.6	16.0	15.0	11.0	13.8	14.7	13.5	13.3	14.1
G03-2394 RR	16.5	14.6	13.0	16.0	13.2	17.5	16.0	16.2	11.0	16.0	14.8	14.9	13.3	14.9
N01-10974	21.7	18.6	21.7	20.0	17.7	21.9	16.0	25.3	16.5	24.1	22.6	22.2	19.2	21.4
N02-8492	17.5	16.0	19.0	20.0	13.5	21.6	16.0	18.0	13.1	17.6	16.6	18.7	15.4	17.6
NCC01-69	14.9	12.8	16.1	14.0	15.6	20.1	16.0	20.0	13.1	16.6	18.7	18.9	14.4	16.8
NCC02-21183	12.6	12.2	13.9	12.0	13.1	14.5	20.0	16.1	10.4	15.2	15.1	15.5	12.1	13.8
NCC02-24030RR	14.3	14.5	13.5	12.0	11.4	16.5	16.0	16.3	12.2	14.1	16.3	15.6	13.0	14.2
NCC02-307	14.3	13.7	15.7	14.0	14.6	17.7	14.0	18.0	12.6	15.4	16.8	17.0	13.2	15.6
R01-2346	15.2	15.2	15.0	14.0	14.8	19.2	14.0	19.4	12.3	18.1	17.2	18.2	14.6	16.3
R01-327	18.2	15.6	16.9	16.0	15.1	19.5	16.0	21.0	15.0	18.9	18.9	18.8	15.9	17.8
R03-1134	17.0	15.0	16.5	16.0	15.7	20.1	16.0	20.8	13.7	18.4	18.9	19.7	15.6	17.7
R03-1232	15.8	14.2	12.2	16.0	17.2	18.9	16.0	19.6	11.2	15.2	17.8	17.8	14.6	16.2
R98-209	15.7	14.6	14.9	16.0	10.6	17.6	20.0	16.3	13.0	15.7	17.1	16.1	14.6	15.3
SC02-011RR	14.5	13.4	12.6	16.0	12.0	17.3	16.0	17.2	11.0	14.0	15.9	16.7	14.0	14.7
SC03-9090RR	18.3	15.7	13.3	14.0	12.6	17.1	20.0	17.8	12.0	15.4	15.7	15.9	14.1	15.2
SC03-9091RR	16.2	16.2	15.0	16.0	12.1	20.4	16.0	17.5	13.5	16.5	16.8	18.2	14.3	16.2
SC03-9093RR	17.9	16.8	15.0	16.0	13.7	21.4	14.0	20.5	13.2	17.9	17.7	16.2	15.2	17.0
SC03-9151RR	17.7	15.9	16.6	16.0	15.9	19.2	20.0	21.5	13.6	19.1	18.4	20.2	15.2	17.8
NCC03-149RR	16.2	15.5	16.4	18.0	14.1	18.4	16.0	18.8	13.5	14.7	16.9	17.1	14.4	16.4
VS22-477	12.3	11.4	13.5	16.0	11.4	16.3	16.0	16.6	10.5	14.2	15.1	15.1	10.9	14.1
VS22-523	13.8	12.3	14.0	16.0	12.7	17.2	22.0	17.0	11.4	13.2	16.9	15.6	13.0	14.8
VS22-524	12.2	13.2	14.1	14.0	11.8	16.2	16.0	16.1	10.0	14.0	16.4	14.9	12.3	14.0

❖Data not included in mean.

**TABLE 48 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN DILLON,
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2007**

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW❖ VA	
DILLON	10/16	10/15	10/16
BOGGS RR	5	5	5
NC-ROY	7	3	7
Au03-506	7	4	7
G03-2018 RR	5	3	5
G03-2148 RR	5	2	5
G03-2394 RR	7	4	7
N01-10974	0	4	0
N02-8492	5	3	5
NCC01-69	0	-2	0
NCC02-21183	0	-4	0
NCC02-24030RR	0	1	0
NCC02-307	0	-3	0
R01-2346	0	-3	0
R01-327	0	1	0
R03-1134	0	-2	0
R03-1232	0	-3	0
R98-209	0	3	0
SC02-011RR	2	3	2
SC03-9090RR	0	2	0
SC03-9091RR	3	1	3
SC03-9093RR	7	4	7
SC03-9151RR	0	2	0
NCC03-149RR	0	2	0
VS22-477	0	-6	0
VS22-523	0	-6	0
VS22-524	0	-5	0

❖Data not included in mean.

TABLE 48 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ALEXANDRIA❖ LA	ATHENS GA(A)	BELLE MINA❖ AL	BLACKVILLE SC(A)	CALHOUN GA	CLEMSON❖ SC	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	.	10/06	10/15	10/15	10/14	10/26	10/14	10/12	10/03	10/11
BOGGS RR	.	7	3	6	-1	10	2	3	5	3
NC-ROY	.	17	0	7	2	4	2	4	10	6
Au03-506	.	12	0	7	2	5	5	4	12	7
G03-2018 RR	.	6	0	6	-1	6	3	2	9	4
G03-2148 RR	.	8	1	4	-1	3	-1	0	6	2
G03-2394 RR	.	12	1	7	2	8	6	4	8	6
N01-10974	.	5	0	4	1	7	2	-2	9	3
N02-8492	.	6	0	3	-1	8	-3	-1	7	1
NCC01-69	.	7	3	-2	2	2	2	2	3	2
NCC02-21183	.	1	-2	-4	2	0	-2	0	0	-1
NCC02-24030RR	.	6	2	-3	1	3	-1	-1	0	0
NCC02-307	.	5	3	-2	0	-1	0	2	2	1
R01-2346	.	2	2	-3	1	1	0	-2	3	0
R01-327	.	6	3	4	1	1	-1	1	6	3
R03-1134	.	-1	2	-3	0	0	-2	-2	0	-2
R03-1232	.	7	2	-4	1	0	-2	0	4	1
R98-209	.	8	1	5	0	7	-1	0	6	3
SC02-011RR	.	5	0	2	-2	6	-1	1	7	2
SC03-9090RR	.	6	1	1	0	-1	-2	2	5	2
SC03-9091RR	.	6	0	2	-2	5	-2	-11	7	0
SC03-9093RR	.	6	0	5	-2	5	5	0	3	3
SC03-9151RR	.	4	0	1	1	4	-1	0	12	3
NCC03-149RR	.	7	2	3	0	5	0	1	8	3
VS22-477	.	-3	-13	-4	1	-1	-2	-3	6	-1
VS22-523	.	-6	-17	-6	2	-2	-2	-3	-1	-3
VS22-524	.	-1	-13	-6	1	-1	-2	-2	2	-2

❖Data not included in mean.

TABLE 48 ~ Continued

STRAIN/ VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS	
DILLON	10/13	10/04	.	10/08
BOGGS RR	7	4	.	6
NC-ROY	6	5	.	6
Au03-506	12	4	.	9
G03-2018 RR	5	3	.	5
G03-2148 RR	6	6	.	6
G03-2394 RR	13	5	.	10
N01-10974	12	-1	.	6
N02-8492	6	3	.	5
NCC01-69	13	2	.	8
NCC02-21183	-2	-3	.	-2
NCC02-24030RR	-3	-2	.	-2
NCC02-307	5	1	.	4
R01-2346	13	-3	.	6
R01-327	10	2	.	7
R03-1134	0	0	.	1
R03-1232	-1	1	.	0
R98-209	12	3	.	8
SC02-011RR	2	4	.	3
SC03-9090RR	7	3	.	6
SC03-9091RR	5	5	.	6
SC03-9093RR	14	4	.	9
SC03-9151RR	12	3	.	8
NCC03-149RR	6	3	.	5
VS22-477	3	1	.	2
VS22-523	3	-3	.	0
VS22-524	0	-3	.	-1

❖Data not included in mean.

TABLE 48 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	.	09/26	09/26
BOGGS RR	.	6	6
NC-ROY	.	5	5
Au03-506	.	11	11
G03-2018 RR	.	3	3
G03-2148 RR	.	8	8
G03-2394 RR	.	8	8
N01-10974	.	1	1
N02-8492	.	1	1
NCC01-69	.	0	0
NCC02-21183	.	-1	-1
NCC02-24030RR	.	-2	-2
NCC02-307	.	1	1
R01-2346	.	-1	-1
R01-327	.	1	1
R03-1134	.	1	1
R03-1232	.	0	0
R98-209	.	2	2
SC02-011RR	.	4	4
SC03-9090RR	.	2	2
SC03-9091RR	.	2	2
SC03-9093RR	.	3	3
SC03-9151RR	.	7	7
NCC03-149RR	.	3	3
VS22-477	.	-2	-2
VS22-523	.	-1	-1
VS22-524	.	-1	-1

TABLE 49 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2007

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW❖ VA	
DILLON	24	21	24
BOGGS RR	25	21	25
NC-ROY	25	22	25
Au03-506	28	24	28
G03-2018 RR	21	20	21
G03-2148 RR	27	23	27
G03-2394 RR	28	25	28
N01-10974	24	24	24
N02-8492	22	20	22
NCC01-69	21	19	21
NCC02-21183	20	18	20
NCC02-24030RR	18	17	18
NCC02-307	21	19	21
R01-2346	20	16	20
R01-327	24	23	24
R03-1134	22	23	22
R03-1232	21	17	21
R98-209	26	23	26
SC02-011RR	24	21	24
SC03-9090RR	27	22	27
SC03-9091RR	25	23	25
SC03-9093RR	31	26	31
SC03-9151RR	25	22	25
NCC03-149RR	18	18	18
VS22-477	21	19	21
VS22-523	24	18	24
VS22-524	24	22	24

❖Data not included in mean.

TABLE 49 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ALEXANDRIA❖ LA	ATHENS GA(A)	BELLE MINA❖ AL	BLACKVILLE SC(A)	CALHOUN GA	CLEMSON❖ SC	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	29	32	30	35	38	33	36	33	34	35
BOGGS RR	26	29	28	33	37	30	38	33	32	34
NC-ROY	31	31	33	32	37	35	31	30	29	32
Au03-506	28	34	35	37	40	40	36	38	34	36
G03-2018 RR	27	32	28	33	38	37	42	34	33	35
G03-2148 RR	28	32	32	37	43	35	38	34	36	37
G03-2394 RR	31	37	31	36	44	36	39	39	37	39
N01-10974	27	32	31	36	34	32	37	29	31	33
N02-8492	26	31	27	30	37	32	33	25	31	31
NCC01-69	22	28	27	24	36	26	37	24	23	29
NCC02-21183	22	26	29	24	29	26	29	24	21	25
NCC02-24030RR	25	23	24	27	30	26	28	22	24	26
NCC02-307	28	29	30	28	31	28	38	26	28	30
R01-2346	25	27	25	31	34	27	39	25	25	30
R01-327	25	33	33	29	39	31	37	28	30	33
R03-1134	27	32	26	31	34	32	35	24	29	31
R03-1232	28	28	27	26	38	27	34	26	27	30
R98-209	31	35	33	36	42	38	36	31	31	35
SC02-011RR	32	32	32	33	40	35	40	36	37	36
SC03-9090RR	31	34	32	33	37	38	37	29	29	33
SC03-9091RR	32	33	29	35	39	35	37	37	35	36
SC03-9093RR	32	33	29	37	42	36	41	33	33	37
SC03-9151RR	27	33	29	34	36	34	37	34	31	34
NCC03-149RR	22	28	26	28	28	27	28	26	30	28
VS22-477	26	29	26	30	33	27	32	30	29	31
VS22-523	27	31	26	30	35	31	32	30	26	31
VS22-524	30	29	31	29	37	31	31	30	25	30

❖Data not included in mean.

TABLE 49 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	ROHWER AR	
DILLON	34	35	35
BOGGS RR	34	30	32
NC-ROY	30	33	32
Au03-506	36	40	38
G03-2018 RR	30	34	32
G03-2148 RR	36	38	37
G03-2394 RR	36	39	37
N01-10974	33	34	34
N02-8492	30	34	32
NCC01-69	25	32	29
NCC02-21183	26	32	29
NCC02-24030RR	27	29	28
NCC02-307	27	31	29
R01-2346	25	30	28
R01-327	28	31	30
R03-1134	30	29	30
R03-1232	27	32	30
R98-209	37	31	34
SC02-011RR	37	39	38
SC03-9090RR	36	39	37
SC03-9091RR	36	33	34
SC03-9093RR	42	40	41
SC03-9151RR	30	40	35
NCC03-149RR	29	31	30
VS22-477	27	32	30
VS22-523	28	33	31
VS22-524	32	34	33

TABLE 49 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	25	40	32
BOGGS RR	18	34	26
NC-ROY	21	39	30
Au03-506	24	40	32
G03-2018 RR	27	38	33
G03-2148 RR	26	37	31
G03-2394 RR	25	39	32
N01-10974	28	41	34
N02-8492	23	33	28
NCC01-69	22	30	26
NCC02-21183	21	27	24
NCC02-24030RR	22	27	24
NCC02-307	21	32	26
R01-2346	21	34	28
R01-327	21	34	27
R03-1134	18	37	28
R03-1232	18	34	26
R98-209	20	37	29
SC02-011RR	19	37	28
SC03-9090RR	22	37	29
SC03-9091RR	27	40	34
SC03-9093RR	30	39	35
SC03-9151RR	28	37	32
NCC03-149RR	27	32	29
VS22-477	25	35	30
VS22-523	25	34	29
VS22-524	29	38	33

**TABLE 50 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI,
2007**

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW❖ VA	
DILLON	2.0	1.1	2.0
BOGGS RR	1.7	1.0	1.7
NC-ROY	1.3	1.1	1.3
Au03-506	1.7	1.1	1.7
G03-2018 RR	2.0	1.1	2.0
G03-2148 RR	1.7	1.2	1.7
G03-2394 RR	1.0	1.3	1.0
N01-10974	2.0	1.1	2.0
N02-8492	1.7	1.0	1.7
NCC01-69	1.3	1.0	1.3
NCC02-21183	1.0	1.1	1.0
NCC02-24030RR	2.0	1.0	2.0
NCC02-307	1.0	1.0	1.0
R01-2346	1.0	1.0	1.0
R01-327	1.7	1.0	1.7
R03-1134	1.7	1.2	1.7
R03-1232	1.0	1.0	1.0
R98-209	2.0	1.2	2.0
SC02-011RR	2.0	1.0	2.0
SC03-9090RR	2.0	1.0	2.0
SC03-9091RR	2.0	1.2	2.0
SC03-9093RR	1.7	1.1	1.7
SC03-9151RR	2.0	1.1	2.0
NCC03-149RR	2.0	1.0	2.0
VS22-477	1.3	1.0	1.3
VS22-523	1.3	1.0	1.3
VS22-524	1.7	1.1	1.7

❖Data not included in mean.

TABLE 50 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ALEXANDRIA❖ LA	ATHENS GA(A)	BELLE MINA❖ AL	BLACKVILLE SC(A)	CALHOUN GA	CLEMSON❖ SC	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	1.0	1.3	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.2
BOGGS RR	1.3	1.0	1.0	1.0	1.3	1.7	2.0	1.0	1.0	1.2
NC-ROY	1.3	1.0	1.0	1.0	1.7	1.7	1.3	1.0	1.3	1.2
Au03-506	1.0	1.0	1.0	1.0	1.7	1.3	2.0	1.0	1.7	1.4
G03-2018 RR	1.0	1.0	1.0	1.0	1.7	1.7	2.0	1.0	1.0	1.3
G03-2148 RR	1.0	1.0	1.0	1.0	1.3	1.7	2.0	1.0	1.0	1.2
G03-2394 RR	1.3	1.7	1.0	1.0	2.0	2.0	2.3	1.0	1.3	1.6
N01-10974	1.8	1.7	1.0	1.0	2.3	1.7	2.0	1.0	1.0	1.5
N02-8492	1.0	1.3	1.0	1.0	1.0	1.3	1.7	1.0	1.0	1.2
NCC01-69	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.1
NCC02-21183	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NCC02-24030RR	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.1
NCC02-307	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
R01-2346	1.0	1.3	1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.2
R01-327	1.0	1.7	1.0	1.0	1.0	1.3	1.7	1.0	1.0	1.2
R03-1134	1.0	2.3	1.0	1.0	1.0	2.2	1.7	1.0	1.0	1.3
R03-1232	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.1
R98-209	1.0	2.0	1.0	1.0	1.7	1.7	2.0	1.0	1.0	1.4
SC02-011RR	1.3	1.3	1.0	1.0	1.3	1.8	2.7	1.0	1.0	1.4
SC03-9090RR	1.0	1.7	1.0	1.0	1.0	1.8	2.3	1.0	1.0	1.3
SC03-9091RR	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.2
SC03-9093RR	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.2
SC03-9151RR	1.0	1.3	1.0	1.0	1.3	1.7	2.0	1.0	1.0	1.3
NCC03-149RR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VS22-477	1.0	1.7	1.0	1.0	1.0	1.7	2.0	1.0	1.0	1.3
VS22-523	1.0	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.2
VS22-524	1.0	1.3	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.2

❖Data not included in mean.

TABLE 50 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	ROHWER AR	
DILLON	2.0	2.3	2.1
BOGGS RR	3.2	2.5	2.8
NC-ROY	4.5	4.3	4.4
Au03-506	2.8	2.7	2.8
G03-2018	1.5	1.3	1.4
G03-2148 RR	3.0	2.7	2.8
G03-2394 RR	3.7	1.3	2.5
N01-10974	2.2	4.7	3.4
N02-8492	1.5	1.0	1.3
NCC01-69	1.3	1.5	1.4
NCC02-21183	1.5	1.0	1.3
NCC02-24030RR	2.0	1.0	1.5
NCC02-307	1.3	1.0	1.2
R01-2346	1.5	1.0	1.3
R01-327	1.5	1.7	1.6
R03-1134	1.8	3.0	2.4
R03-1232	1.5	1.0	1.3
R98-209	2.7	2.0	2.3
SC02-011RR	3.3	3.2	3.3
SC03-9090RR	2.3	1.8	2.1
SC03-9091RR	1.5	2.0	1.8
SC03-9093RR	1.8	2.0	1.9
SC03-9151RR	1.3	2.0	1.7
NCC03-149RR	1.3	1.0	1.2
VS22-477	1.8	3.3	2.6
VS22-523	1.5	3.3	2.4
VS22-524	2.0	2.7	2.3

TABLE 50 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	.	1.7	1.7
BOGGS RR	.	1.3	1.3
NC-ROY	.	2.3	2.3
Au03-506	.	3.0	3.0
G03-2018 RR	.	1.0	1.0
G03-2148 RR	.	1.0	1.0
G03-2394 RR	.	1.0	1.0
N01-10974	.	1.0	1.0
N02-8492	.	1.0	1.0
NCC01-69	.	1.0	1.0
NCC02-21183	.	1.0	1.0
NCC02-24030RR	.	1.0	1.0
NCC02-307	.	1.0	1.0
R01-2346	.	1.0	1.0
R01-327	.	1.0	1.0
R03-1134	.	1.3	1.3
R03-1232	.	1.0	1.0
R98-209	.	1.3	1.3
SC02-011RR	.	1.0	1.0
SC03-9090RR	.	1.0	1.0
SC03-9091RR	.	1.0	1.0
SC03-9093RR	.	1.0	1.0
SC03-9151RR	.	1.0	1.0
NCC03-149RR	.	1.0	1.0
VS22-477	.	1.7	1.7
VS22-523	1.0	1.0	1.0
VS22-524	1.0	1.0	1.0

TABLE 51 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2007

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW❖ VA	
DILLON	1.0	1.2	1.0
BOGGS RR	1.0	1.4	1.0
NC-ROY	1.3	1.2	1.3
Au03-506	1.3	1.4	1.3
G03-2018 RR	1.3	1.3	1.3
G03-2148 RR	1.0	1.2	1.0
G03-2394 RR	1.0	1.3	1.0
N01-10974	1.0	1.3	1.0
N02-8492	2.0	1.3	2.0
NCC01-69	2.0	1.5	2.0
NCC02-21183	1.3	1.5	1.3
NCC02-24030RR	2.0	1.5	2.0
NCC02-307	1.0	1.5	1.0
R01-2346	1.0	1.4	1.0
R01-327	1.7	1.5	1.7
R03-1134	1.7	1.3	1.7
R03-1232	1.3	1.7	1.3
R98-209	2.0	1.6	2.0
SC02-011RR	1.0	1.2	1.0
SC03-9090RR	1.7	1.2	1.7
SC03-9091RR	1.7	1.1	1.7
SC03-9093RR	1.3	1.3	1.3
SC03-9151RR	1.7	1.1	1.7
NCC03-149RR	1.0	1.3	1.0
VS22-477	1.0	1.2	1.0
VS22-523	1.0	1.6	1.0
VS22-524	1.0	1.3	1.0

❖Data not included in mean.

TABLE 51 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	ATHENS GA(A)	BELLE MINA❖ AL	CALHOUN GA	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	
DILLON	1.8	1.5	1.5	1.5	1.0	2.0	1.6
BOGGS RR	1.5	1.5	1.2	2.5	1.0	1.5	1.5
NC-ROY	1.7	1.0	1.3	5.0	1.0	2.5	2.3
Au03-506	1.8	1.5	1.3	2.5	1.0	2.0	1.7
G03-2018 RR	1.7	1.5	1.5	1.5	1.0	2.0	1.5
G03-2148 RR	1.7	1.5	1.2	2.0	1.0	1.5	1.5
G03-2394 RR	1.7	2.0	1.5	1.5	1.0	1.8	1.5
N01-10974	2.3	1.5	1.8	1.5	2.0	2.3	2.0
N02-8492	1.8	1.5	1.5	1.5	2.0	1.3	1.6
NCC01-69	2.8	3.0	1.8	3.0	2.0	2.5	2.4
NCC02-21183	2.2	3.5	1.8	3.0	2.0	3.0	2.4
NCC02-24030RR	2.3	3.0	2.0	2.0	1.0	1.0	1.7
NCC02-307	1.8	3.0	1.8	2.5	1.0	2.3	1.9
R01-2346	2.0	2.5	1.7	2.5	1.0	2.5	1.9
R01-327	2.2	3.5	1.8	2.5	1.0	1.5	1.8
R03-1134	2.3	3.5	1.8	2.0	1.0	2.5	1.9
R03-1232	2.5	3.0	1.8	2.5	1.0	3.0	2.2
R98-209	2.5	3.0	2.0	2.5	2.0	2.8	2.4
SC02-011RR	1.5	2.0	1.3	2.0	1.0	2.3	1.6
SC03-9090RR	2.0	2.5	2.2	2.5	2.0	1.8	2.1
SC03-9091RR	2.0	2.0	1.5	2.5	1.0	2.5	1.9
SC03-9093RR	2.2	3.0	1.5	2.5	1.0	1.5	1.7
SC03-9151RR	1.8	2.0	1.7	2.0	2.0	2.8	2.1
NCC03-149RR	2.0	3.0	1.3	2.0	2.0	2.5	2.0
VS22-477	2.0	4.0	1.7	2.0	1.0	2.3	1.8
VS22-523	2.2	3.5	2.0	2.5	2.0	2.8	2.3
VS22-524	2.7	3.5	1.7	2.5	1.0	2.0	2.0

❖Data not included in mean.

TABLE 51 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	STONEVILLE MS	
DILLON	1.7	3.0	2.3
BOGGS RR	1.0	3.0	2.0
NC-ROY	1.7	3.0	2.3
Au03-506	1.5	4.0	2.8
G03-2018 RR	1.3	2.0	1.7
G03-2148 RR	1.8	2.0	1.9
G03-2394 RR	1.5	3.0	2.3
N01-10974	2.3	2.0	2.2
N02-8492	2.0	3.0	2.5
NCC01-69	2.8	2.0	2.4
NCC02-21183	3.2	3.0	3.1
NCC02-24030RR	1.8	3.0	2.4
NCC02-307	2.0	2.0	2.0
R01-2346	3.2	2.0	2.6
R01-327	1.7	2.0	1.8
R03-1134	2.2	2.0	2.1
R03-1232	3.0	2.0	2.5
R98-209	3.3	2.0	2.7
SC02-011RR	1.5	2.0	1.8
SC03-9090RR	2.3	2.0	2.2
SC03-9091RR	1.5	3.0	2.3
SC03-9093RR	2.5	3.0	2.8
SC03-9151RR	1.3	3.0	2.2
NCC03-149RR	2.0	2.0	2.0
VS22-477	2.5	2.0	2.3
VS22-523	2.5	2.0	2.3
VS22-524	2.7	2.0	2.3

TABLE 51 ~ Continued

STRAIN/ VARIETY	WEST	
	BOSSIER CITY	LA
DILLON		1.2
BOGGS RR		1.5
NC-ROY		1.7
Au03-506		1.5
G03-2018 RR		1.3
G03-2148 RR		1.5
G03-2394 RR		1.3
N01-10974		1.2
N02-8492		1.0
NCC01-69		1.0
NCC02-21183		1.0
NCC02-24030RR		1.0
NCC02-307		1.2
R01-2346		1.0
R01-327		1.2
R03-1134		1.2
R03-1232		1.0
R98-209		1.0
SC02-011RR		1.2
SC03-9090RR		1.0
SC03-9091RR		1.3
SC03-9093RR		1.0
SC03-9151RR		1.0
NCC03-149RR		1.3
VS22-477		1.2
VS22-523		1.7
VS22-524		1.3

PRELIMINARY GROUP VI

2007

Preliminary Group VI nurseries were planted at 9 locations. Data were obtained from 7 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, 2007

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. Au04-1736	R96-1939 x SC96-1624	
5. Au04-1935	Au96-1693 x N96-6767	
6. G04-1383 RR	G96-2272 X BOGGS-RR	F5d
7. G04-2260 RR	G96-2272 X BENNING-RR	F5d
8. G04-2477 RR	G96-2272 X BENNING-RR	F5d
9. G04-2918 RR	BOGGS-RR X G93-2225	F6d
10. G04-2947 RR	BOGGS-RR X G93-2225	F6d
11. N02-7738	Cook x Bicentennial (00)	
12. N03-12235	Graham x PI437726	
13. N03-7183	Cook x Archer (I)	
14. N03-7206	Cook x Bicentennial (00)	
15. N04-9856	N94-7440 X N96-6733	F4
16. NCC04-10734	TN96-64 x N93-132 RR, BC3F1	F4:9
17. NCC04-14425	N94-546 x N94-552 RR, BC1F1	F4:9
18. NCC04-5336	NC 97-61 x N94-552 RR, BC1F1	F4:9
19. NCC04-619	N97-61 x TN96-64	F5:9
20. NCC04-624	N97-61 x TN96-64	F5:9
21. NCC04-690	N97-61 x TN96-64	F5:9
22. NCC04-734	N97-61 x TN96-64	F5:9
23. NCRoyRR-9166	NCRoy RR (Resnick RR) BC5F2:5	BC5F
24. NCRoyRR-9190	NCRoy RR (Resnick RR) BC5F2:5	BC5F
25. R02-3065	HBK 5990 x ANAND	
26. R03-1011	HBK 5990 x 98601 (BC3F1)	
27. R03-1128	M91-163126 x OT93-28	
28. R03-1250	PI0 9592 x KS4895	
29. R04-342	R97-1650 X 98601	
30. SC04-27	DILLON(4)/ N565	F5
31. SC04-35	DILLON(3)/N94-199	F5
32. SC04-41	DILLON(3)/N94-199	F5
33. SC04-53	SC94-1573/N98-4445	F5
34. TCWN23-507	N77-114 X N96-6809	
35. TCWN23-578	N77-114x N96-6809	
36. TCWN23-617	N77-114x N96-6819	
37. V03-3026	V91-3036 X Anand	
38. V03-3891	V92-0254 X MD93-5298	
39. VS04-760	PI 417760 x PI 416982	'
40. VS06- 1020	V81-1603 x PI 506852	'
41. VS06-1019	(PI 423905 x Bay) VS95-50 x PI 379621	'
42. VS06-1021	PI 379621 x Kanrich	F6
43. VS22-537	Forrest x Essex	'

TABLE 54 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2007

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	PINE TREE AR	ROHWER AR	STONEVILLE❖ MS	TALLASSEE❖ AL(A)	MEAN
DILLON	35.6	38.6	23.3	55.9	64.2	31.4	39.2	44.7
BOGGS RR	49.1+	43.8	31.1+	47.2	45.3-	44.5	48.9	43.2
NC-ROY	39.8	40.1	29.4+	47.8	70.5	39.0	50.2	46.9
Au04-1736	39.5	34.5	28.5+	49.1	61.2	42.8	50.2	44.6
Au04-1935	36.6	21.5-	41.4+	57.1	77.5	40.8	53.7+	53.2
G04-1383 RR	46.1+	41.9	27.0+	65.3	54.0	56.5	58.0+	48.1
G04-2260 RR	41.2	34.7	24.6	49.4	61.2	54.9	44.1	44.1
G04-2477 RR	48.2+	40.3	22.3	54.7	56.7	74.7+	48.9	45.5
G04-2918 RR	35.7	42.2	24.6	56.8	58.0	49.7	43.6	43.8
G04-2947 RR	47.2+	40.2	37.5+	55.9	55.0	49.5	36.1	48.9
N02-7738	41.6+	43.1	28.2+	54.3	58.2	31.9	37.4	45.6
N03-12235	33.2	31.0	16.1-	48.1	62.5	32.8	44.4	40.0
N03-7183	37.0	38.6	23.8	49.1	66.4	32.6	45.8	44.1
N03-7206	43.4+	46.2	20.5	45.5	57.2	55.0	43.7	41.7
N04-9856	43.5+	42.8	24.6	50.2	54.8	42.6	42.2	43.3
NCC04-10734	47.0+	37.6	26.0	56.6	53.9	28.3	46.5	45.9
NCC04-14425	40.6	42.9	27.1+	59.3	57.4	36.7	52.1	46.1
NCC04-5336	40.4	43.9	23.1	62.0	64.5	43.1	45.0	47.5
NCC04-619	43.3+	46.8	24.2	61.8	55.6	54.8	42.6	46.2
NCC04-624	43.3+	44.9	25.3	66.2	61.7	53.6	42.9	49.1
NCC04-690	46.4+	43.1	19.8-	56.3	67.0	36.1	49.8	47.4
NCC04-734	45.7+	41.8	32.4+	69.1+	64.9	55.5	37.3	53.0
NCRoyRR-9166	47.1+	50.6	19.9-	46.6	63.1	48.2	48.5	44.2
NCRoyRR-9190	48.1+	41.6	25.1	52.2	57.4	59.0	54.5+	45.7
R02-3065	48.0+	46.1	33.2+	69.0+	70.3	50.1	41.1	55.1+
R03-1011	46.3+	41.0	34.4+	68.6+	66.1	63.9+	33.2	53.8
R03-1128	36.0	44.9	29.6+	65.3	73.4	49.9	48.4	51.1
R03-1250	50.1+	46.9	28.9+	66.6	73.9	51.6	47.4	54.9+
R04-342	42.1+	44.5	26.8+	67.2	78.0	27.1	46.6	53.6
SC04-27	37.2	40.2	18.1-	58.6	68.1	21.4	34.6	45.5
SC04-35	39.1	40.6	24.8	58.0	61.1	52.4	41.9	45.7
SC04-41	40.6	42.9	25.2	61.8	59.8	48.4	31.7	46.8
SC04-53	55.8+	38.8	26.6+	46.7	47.5-	30.7	45.3	44.2
TCWN23-507	37.6	41.8	32.6+	56.9	62.8	58.2	50.6	47.5
TCWN23-578	54.8+	47.9	27.4+	59.9	58.0	57.8	46.9	50.0
TCWN23-617	47.3+	41.3	26.8+	47.7	61.9	44.5	50.4	45.9
V03-3026	39.2	41.2	25.3	60.9	73.8	32.9	43.3	49.8
V03-3891	35.7	54.7+	30.4+	46.7	60.6	42.6	38.0	43.3
VS04-760	32.0	29.1	25.6	36.1-	49.2	30.9	19.7-	35.7
VS06-1020	53.6+	46.3	33.9+	62.9	54.9	55.1	41.6	51.3
VS06-1019	33.9	.	16.5-	21.8-	34.4-	29.4	24.6-	26.6-
VS06-1021	22.9-	.	16.3-	22.9-	18.3-	47.7	19.6-	20.1-
VS22-537	31.9	38.8	23.7	49.6	62.1	53.0	36.0	41.8
LOCATION MEAN	41.9	41.5	26.3	54.5	60.1	45.2	42.9	45.7
L.S.D. (0.05)	5.8	14.6	3.0	12.2	16.1	30.4	13.9	9.3
C.V. (%)	6.9	17.4	5.6	11.1	12.6	33.3	16.0	14.5

❖Data not included in mean.

TABLE 55 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2007

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	TALLASSEE❖ AL(A)	MEAN
DILLON	19.4	20.7	19.7	20.1	19.6
BOGGS RR	20.4	19.9	19.8	21.2	20.1
NC-ROY	18.2	20.2	18.6	19.8	18.4
Au04-1736	21.4	21.1	21.4	22.1	21.4
Au04-1935	20.9	21.0	20.9	22.1	20.9
G04-1383 RR	20.5	21.5	20.3	21.8	20.4
G04-2260 RR	20.2	20.9	19.6	20.3	19.9
G04-2477 RR	20.3	21.4	18.9	21.0	19.6
G04-2918 RR	20.3	21.0	19.5	21.9	19.9
G04-2947 RR	19.8	22.1	19.2	20.7	19.5
N02-7738	19.6	22.9	20.4	21.0	20.0
N03-12235	22.1	23.1	20.2	21.1	21.2
N03-7183	19.3	21.2	19.9	20.8	19.6
N03-7206	20.5	21.4	18.8	20.6	19.7
N04-9856	19.0	20.5	19.6	20.9	19.3
NCC04-10734	20.2	20.6	19.0	21.4	19.6
NCC04-14425	18.8	20.5	18.3	20.5	18.6
NCC04-5336	18.7	20.4	17.7	20.4	18.2
NCC04-619	19.8	21.5	21.0	22.0	20.4
NCC04-624	20.4	21.1	20.8	22.6	20.6
NCC04-690	19.6	20.6	20.6	21.8	20.1
NCC04-734	20.4	21.5	22.0	21.6	21.2
NCRoyRR-9166	18.2	19.9	19.3	20.1	18.8
NCRoyRR-9190	19.0	20.7	18.2	20.0	18.6
R02-3065	20.6	21.3	19.6	21.3	20.1
R03-1011	19.6	20.0	19.7	21.0	19.7
R03-1128	19.4	19.5	19.9	21.8	19.7
R03-1250	20.1	21.6	19.6	20.2	19.9
R04-342	20.3	21.1	19.9	21.6	20.1
SC04-27	18.9	19.0	17.5	18.9	18.2
SC04-35	20.1	20.9	19.5	19.8	19.8
SC04-41	19.6	20.4	19.0	19.6	19.3
SC04-53	18.8	18.1	17.6	18.5	18.2
TCWN23-507	21.1	21.4	21.4	21.9	21.3
TCWN23-578	20.5	21.0	19.9	21.3	20.2
TCWN23-617	21.1	21.2	21.0	22.6	21.1
V03-3026	20.4	21.2	20.2	21.5	20.3
V03-3891	21.0	22.5	21.1	23.3	21.1
VS04-760	17.8	19.5	17.2	19.6	17.5
VS06-1020	20.3	21.1	20.9	22.0	20.6
VS06-1019	18.0	18.4	17.7	19.3	17.9
VS06-1021	19.1	18.4	17.2	18.2	18.2
VS22-537	19.7	21.8	19.6	22.0	19.7

❖Data not included in mean.

TABLE 56 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2007

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	TALLASSEE❖ AL (A)	MEAN
DILLON	44.6	40.2	41.5	43.6	43.1
BOGGS RR	43.3	40.0	42.6	43.1	43.0
NC-ROY	44.7	39.1	43.6	43.5	44.2
Au04-1736	42.5	38.5	41.0	41.9	41.8
Au04-1935	41.1	38.2	39.7	39.6	40.4
G04-1383 RR	43.3	39.5	41.6	42.0	42.5
G04-2260 RR	41.1	35.1	39.2	40.0	40.2
G04-2477 RR	42.3	38.0	43.0	42.6	42.7
G04-2918 RR	44.3	39.3	42.5	43.0	43.4
G04-2947 RR	44.5	38.0	43.0	43.9	43.8
N02-7738	44.8	36.8	41.6	42.6	43.2
N03-12235	43.7	37.2	43.0	43.9	43.4
N03-7183	44.7	38.8	42.5	43.1	43.6
N03-7206	43.0	38.0	43.7	43.5	43.4
N04-9856	43.7	39.1	41.2	42.0	42.5
NCC04-10734	41.6	38.4	42.5	40.0	42.1
NCC04-14425	44.6	38.9	44.5	42.7	44.6
NCC04-5336	44.7	39.1	44.8	43.7	44.8
NCC04-619	41.0	37.4	39.2	39.8	40.1
NCC04-624	43.7	38.7	40.0	40.6	41.9
NCC04-690	41.5	38.3	39.3	39.9	40.4
NCC04-734	42.0	39.0	39.4	40.9	40.7
NCRoyRR-9166	45.7	40.1	42.2	44.1	44.0
NCRoyRR-9190	44.5	39.2	44.9	44.3	44.7
R02-3065	44.4	39.3	42.9	42.9	43.7
R03-1011	45.6	41.4	42.5	42.5	44.1
R03-1128	44.2	39.9	42.2	40.4	43.2
R03-1250	41.1	36.1	39.6	43.3	40.4
R04-342	41.4	39.2	40.5	40.2	41.0
SC04-27	45.5	40.7	44.3	44.8	44.9
SC04-35	44.5	38.5	42.3	44.1	43.4
SC04-41	44.6	38.8	42.5	44.2	43.6
SC04-53	43.5	39.4	41.4	42.2	42.5
TCWN23-507	41.7	37.2	39.3	39.9	40.5
TCWN23-578	42.5	38.5	41.0	42.4	41.8
TCWN23-617	40.2	36.4	38.3	38.1	39.3
V03-3026	42.8	38.9	40.5	42.0	41.7
V03-3891	41.0	36.6	38.7	39.2	39.9
VS04-760	44.6	37.8	39.8	41.0	42.2
VS06-1020	44.2	40.7	41.7	42.8	43.0
VS06-1019	44.5	40.7	44.1	43.4	44.3
VS06-1021	43.4	41.3	44.0	44.7	43.7
VS22-537	43.7	36.0	40.7	38.9	42.2

❖Data not included in mean.

**TABLE 57 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI,
2007**

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	PINE TREE AR	TALLASSEE❖ AL(A)	MEAN
DILLON	16.1	14.0	12.9	15.8	18.3	14.9
BOGGS RR	15.8	16.0	9.7	11.8	12.8	12.4
NC-ROY	15.2	16.0	11.0	13.7	14.6	13.3
Au04-1736	16.3	12.0	12.1	12.7	13.6	13.7
Au04-1935	15.5	16.0	13.3	16.0	17.8	14.9
G04-1383 RR	14.1	16.0	11.4	13.2	13.5	12.9
G04-2260 RR	14.9	14.0	10.5	14.8	14.3	13.4
G04-2477 RR	14.8	14.0	12.0	13.9	14.6	13.6
G04-2918 RR	13.4	12.0	10.2	12.4	13.0	12.0
G04-2947 RR	14.6	16.0	11.7	14.0	14.3	13.4
N02-7738	16.9	18.0	14.5	17.4	18.0	16.3
N03-12235	17.6	16.0	12.1	17.9	22.2	15.9
N03-7183	13.1	16.0	11.9	15.4	17.2	13.5
N03-7206	14.9	16.0	12.5	14.1	14.7	13.8
N04-9856	11.1	12.0	10.4	11.4	11.3	11.0
NCC04-10734	12.0	14.0	10.5	12.6	13.0	11.7
NCC04-14425	12.3	12.0	10.4	13.2	13.7	12.0
NCC04-5336	14.8	16.0	12.0	14.0	14.1	13.6
NCC04-619	13.7	14.0	12.6	13.7	14.4	13.3
NCC04-624	14.7	14.0	11.9	13.6	14.0	13.4
NCC04-690	14.0	14.0	12.1	15.0	14.8	13.7
NCC04-734	14.5	14.0	12.5	15.6	14.9	14.2
NCRoyRR-9166	12.3	12.0	10.9	14.7	13.6	12.6
NCRoyRR-9190	11.6	14.0	11.2	14.1	13.7	12.3
R02-3065	18.4	18.0	14.2	18.2	19.1	16.9
R03-1011	18.0	18.0	13.3	16.4	18.2	15.9
R03-1128	19.0	20.0	13.2	17.0	19.5	16.4
R03-1250	15.9	16.0	11.8	15.8	19.8	14.5
R04-342	17.4	20.0	12.2	18.1	17.2	15.9
SC04-27	16.6	18.0	12.6	16.2	17.4	15.1
SC04-35	14.8	16.0	12.0	16.2	17.9	14.3
SC04-41	16.3	16.0	13.0	16.1	17.8	15.1
SC04-53	16.4	18.0	14.5	16.8	17.1	15.9
TCWN23-507	14.7	16.0	11.4	15.2	16.6	13.8
TCWN23-578	16.3	18.0	13.6	15.9	16.7	15.2
TCWN23-617	15.0	16.0	11.7	14.8	15.4	13.8
V03-3026	17.6	18.0	10.9	17.3	16.9	15.3
V03-3891	14.1	16.0	10.9	13.6	16.4	12.9
VS04-760	12.1	12.0	8.6	13.4	12.3	11.4
VS06-1020	13.5	16.0	11.8	13.2	15.2	12.8
VS06-1019	15.0	16.0	13.5	17.2	16.1	15.2
VS06-1021	15.2	16.0	15.9	18.8	16.5	16.6
VS22-537	14.3	12.0	9.7	14.7	14.5	12.9

❖Data not included in mean.

**TABLE 58 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI,
2007**

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	PINE TREE AR	ROHWER AR	TALLASSEE❖ AL (A)	MEAN
DILLON	32	34	23	39	35	33	32
BOGGS RR	27	32	24	28	40	29	30
NC-ROY	33	34	24	36	33	31	31
Au04-1736	27	30	20	34	35	29	29
Au04-1935	28	33	29	41	38	35	34
G04-1383 RR	26	28	25	29	37	30	29
G04-2260 RR	25	36	24	39	31	32	30
G04-2477 RR	29	34	27	36	35	32	31
G04-2918 RR	24	32	25	38	39	34	31
G04-2947 RR	27	37	28	34	31	32	30
N02-7738	26	35	23	30	41	31	30
N03-12235	23	31	22	30	34	26	27
N03-7183	22	19	19	18	22	21	20
N03-7206	27	31	26	37	29	32	29
N04-9856	23	34	27	32	31	26	28
NCC04-10734	25	28	20	29	37	25	27
NCC04-14425	28	31	24	29	39	30	30
NCC04-5336	24	29	22	32	33	26	28
NCC04-619	20	25	19	27	30	23	24
NCC04-624	27	27	23	26	31	26	26
NCC04-690	26	26	21	23	27	24	24
NCC04-734	27	25	21	26	29	24	25
NCRoyRR-9166	32	38	23	36	41	34	33
NCRoyRR-9190	32	34	23	37	38	34	32
R02-3065	22	28	23	32	30	26	26
R03-1011	23	30	23	32	33	22	28
R03-1128	26	33	24	33	33	27	29
R03-1250	25	33	20	27	36	30	27
R04-342	26	30	21	28	27	31	25
SC04-27	22	33	21	25	33	30	25
SC04-35	28	36	25	30	32	32	28
SC04-41	25	35	25	36	37	31	31
SC04-53	28	36	28	41	40	36	34
TCWN23-507	29	29	22	28	30	28	27
TCWN23-578	30	30	24	32	33	29	30
TCWN23-617	29	35	28	30	35	31	30
V03-3026	24	24	20	27	30	25	25
V03-3891	23	30	21	27	31	24	25
VS04-760	28	32	28	36	28	32	30
VS06-1020	25	30	21	33	36	26	28
VS06-1019	24	35	26	35	37	33	30
VS06-1021	32	37	40	40	31	45	36
VS22-537	24	36	24	33	29	31	27

❖Data not included in mean.

TABLE 59 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2007

STRAIN/ VARIETY	BIXBY OK	CLEMSON❖ SC	PETERSBURG VA	PINE TREE AR	ROHWER AR	TALLASSEE❖ AL(A)	MEAN
DILLON	.	2.0	2.0	3.8	3.0	1.0	2.9
BOGGS RR	.	2.5	2.5	2.8	3.5	1.0	2.9
NC-ROY	.	1.5	1.0	4.8	4.0	1.0	3.3
Au04-1736	.	1.0	1.5	2.5	3.0	1.0	2.3
Au04-1935	.	1.0	3.0	2.3	3.0	1.0	2.8
G04-1383 RR	.	1.0	1.5	1.8	1.5	1.0	1.6
G04-2260 RR	.	1.5	1.5	3.3	3.0	1.0	2.6
G04-2477 RR	.	1.5	1.5	2.3	3.5	1.0	2.4
G04-2918 RR	.	1.0	1.5	3.0	3.5	1.0	2.7
G04-2947 RR	.	1.0	1.0	3.3	4.0	1.0	2.8
N02-7738	.	2.0	1.0	1.8	2.5	1.0	1.8
N03-12235	.	1.0	1.5	1.5	4.5	1.0	2.5
N03-7183	.	1.0	1.5	0.5	1.0	1.0	1.0
N03-7206	1.0	2.3	2.5	2.8	4.5	1.0	2.7
N04-9856	.	2.3	1.5	4.0	2.0	1.0	2.5
NCC04-10734	.	1.0	1.0	1.5	3.0	1.0	1.8
NCC04-14425	.	1.0	1.0	1.8	3.0	1.0	1.9
NCC04-5336	.	1.0	1.0	1.5	1.0	1.0	1.2
NCC04-619	.	1.0	1.5	1.5	3.5	1.0	2.2
NCC04-624	1.0	1.0	1.0	1.8	1.0	1.0	1.2
NCC04-690	.	1.0	1.5	0.8	1.0	1.0	1.1
NCC04-734	.	1.0	1.5	1.3	1.5	1.0	1.4
NCRoyRR-9166	1.0	2.0	1.0	4.0	3.0	1.0	2.3
NCRoyRR-9190	1.0	1.0	1.0	4.5	4.5	1.0	2.8
R02-3065	1.0	2.0	1.5	1.3	2.0	1.0	1.4
R03-1011	1.0	2.3	1.5	2.5	5.0	1.0	2.5
R03-1128	1.0	2.0	1.0	2.5	3.3	1.0	1.9
R03-1250	.	1.0	1.5	2.5	1.0	1.0	1.7
R04-342	1.0	1.0	1.0	1.3	1.5	1.0	1.2
SC04-27	1.0	1.5	2.5	1.3	1.5	1.0	1.6
SC04-35	1.0	1.5	2.0	1.3	1.5	1.0	1.4
SC04-41	.	2.3	2.0	2.3	2.5	1.0	2.3
SC04-53	1.0	2.0	1.5	2.0	2.5	1.0	1.8
TCWN23-507	1.0	1.5	1.5	2.0	2.5	1.0	1.8
TCWN23-578	1.0	1.0	1.5	2.3	3.0	1.0	1.9
TCWN23-617	1.0	3.3	2.0	3.3	5.0	1.0	2.8
V03-3026	.	1.0	1.0	1.5	2.0	1.0	1.5
V03-3891	.	1.0	1.0	1.3	1.0	1.0	1.1
VS04-760	1.0	2.0	2.0	2.8	2.0	1.0	1.9
VS06-1020	1.0	2.0	2.0	3.0	4.0	1.0	2.5
VS06-1019	1.5	4.0	1.5	4.3	4.5	2.0	2.9
VS06-1021	1.5	3.3	2.5	4.3	5.0	3.0	3.3
VS22-537	1.0	2.3	1.0	1.8	2.5	1.0	1.6

❖Data not included in mean.

TABLE 60 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2007

STRAIN/ VARIETY	PETERSBURG VA	PINE TREE AR	STONEVILLE❖ MS	TALLASSEE❖ AL(A)	MEAN
DILLON	1.5	2.0	3.0	1.0	1.8
BOGGS RR	1.0	1.5	3.0	1.0	1.3
NC-ROY	1.0	1.8	3.0	1.0	1.4
Au04-1736	1.0	1.5	3.0	1.0	1.3
Au04-1935	1.5	2.0	3.0	1.0	1.8
G04-1383 RR	1.5	1.0	2.0	1.0	1.3
G04-2260 RR	2.0	2.3	3.0	1.0	2.1
G04-2477 RR	2.0	1.5	2.0	1.0	1.8
G04-2918 RR	1.5	1.3	2.0	1.0	1.4
G04-2947 RR	1.5	1.5	2.0	1.0	1.5
N02-7738	2.0	3.0	3.0	1.0	2.5
N03-12235	2.0	2.0	2.0	1.0	2.0
N03-7183	1.0	3.3	2.0	1.0	2.1
N03-7206	1.5	1.5	2.0	1.0	1.5
N04-9856	1.0	1.3	2.0	1.0	1.1
NCC04-10734	1.5	1.5	3.0	1.0	1.5
NCC04-14425	1.0	1.5	2.0	1.0	1.3
NCC04-5336	1.0	1.3	3.0	1.0	1.1
NCC04-619	1.5	1.3	2.0	1.0	1.4
NCC04-624	1.0	1.5	3.0	1.0	1.3
NCC04-690	2.0	1.8	2.0	1.0	1.9
NCC04-734	1.5	1.3	2.0	1.0	1.4
NCRoyRR-9166	1.0	1.8	2.0	1.0	1.4
NCRoyRR-9190	1.0	1.3	2.0	1.0	1.1
R02-3065	1.5	1.5	2.0	1.0	1.5
R03-1011	1.5	1.8	2.0	1.0	1.6
R03-1128	1.0	2.0	3.0	1.0	1.5
R03-1250	1.5	2.3	3.0	1.0	1.9
R04-342	1.0	3.0	2.0	1.0	2.0
SC04-27	2.0	2.5	2.0	1.0	2.3
SC04-35	2.0	1.5	2.0	1.0	1.8
SC04-41	1.5	1.5	2.0	1.0	1.5
SC04-53	2.0	1.5	2.0	1.0	1.8
TCWN23-507	1.5	2.3	2.0	1.0	1.9
TCWN23-578	1.5	1.8	3.0	1.0	1.6
TCWN23-617	1.5	1.8	3.0	1.0	1.6
V03-3026	1.5	2.5	3.0	1.0	2.0
V03-3891	1.0	2.3	3.0	1.0	1.6
VS04-760	1.5	3.8	2.0	1.0	2.6
VS06-1020	1.5	1.0	2.0	1.0	1.3
VS06-1019	1.5	2.5	2.0	1.0	2.0
VS06-1021	2.5	2.3	2.0	1.0	2.4
VS22-537	1.0	3.0	3.0	1.0	2.0

❖Data not included in mean.

UNIFORM GROUP VII

2007

Uniform Group VII nurseries were planted at 13 locations. Data were obtained from 11 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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AGS758RR		
2. HASKELL RR	(Johnson x Braxton) x RR	
3. Au02-3104	NC-Raleigh x G92-1110	
4. G03-1187 RR	G95-346 X H7242 RR	F5d
5. G03-1364 RR	G94-3117 X H7242 RR	F5d
6. G03-1569 RR	G95-346 X H7242 RR	F5d
7. G03-364 RR	G95-346 X H7242 RR	F5d
8. G04-163 RR	SC94-1075 X H7242 RR	F5d
9. G04-236 RR	SC94-1075 X H7242 RR	F5d
10. N01-11136	NTCPR94-5157 x N96-7031	F4
11. N01-11491	NTCPR94-5157 X N96-6767	F4
12. N01-11771	GRAHAM X N96-7031	F4
13. N01-11777	Graham x N96-7031	F4
14. N02-219	SC91-2007 x Holladay	F4
15. N02-7084	Cook x Anand	F4
16. N02-8491	DILLON X N96-6730	F4
17. N03-893	N96-752 X TN93-99	F4
18. N97-9658	N7001 x Cook	F4
19. SC02-208RR	SANTEE/[SC92-2482(2)/{HAGOOD(2)/BC1RESNIKRR}]	F5
20. SC03-153RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
21. SC03-169RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
22. SC03-172RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
23. SC03-9383RR	SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5

TABLE 62 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2007

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2007	06-07	05-07	2007	06-07	05-07	2007	06-07	05-07
AGS758RR	6	10	40.0	.	.	40.5	.	.	21.1	.	.
HASKELL RR	17	12	37.8	43.9	44.2	39.5	39.9	40.2	21.5	20.5	20.4
Au02-3104	2	5	42.6	48.5	.	37.5	38.0	.	22.1	20.9	.
G03-1187 RR	9	11	39.5	.	.	39.2	.	.	21.7	.	.
G03-1364 RR	18	15	37.6	.	.	38.2	.	.	21.7	.	.
G03-1569 RR	12	14	38.6	.	.	40.0	.	.	21.3	.	.
G03-364 RR	13	13	38.1	45.1	45.5	38.9	39.8	40.2	21.6	20.4	20.4
G04-163 RR	20	15	36.8	.	.	40.2	.	.	22.4	.	.
G04-236 RR	8	12	39.8	.	.	39.1	.	.	23.1	.	.
N01-11136	10	10	39.3	45.5	45.6	38.2	39.6	39.7	21.4	20.2	20.3
N01-11491	21	16	36.8	43.6	.	38.6	39.5	.	21.6	20.4	.
N01-11771	3	6	42.0	.	.	38.4	.	.	21.6	.	.
N01-11777	15	12	37.9	44.5	44.8	37.3	38.7	38.9	21.7	20.4	20.3
N02-219	11	12	39.2	47.5	.	39.8	40.4	.	22.0	21.1	.
N02-7084	1	6	43.5	49.7	49.7	38.3	39.3	39.3	22.0	20.8	20.8
N02-8491	22	14	36.8	.	.	39.9	.	.	20.4	.	.
N03-893	16	13	37.9	.	.	39.9	.	.	21.7	.	.
N97-9658	7	11	40.0	47.2	47.6	40.0	40.8	41.1	20.9	20.0	19.9
SC02-208RR	5	10	40.0	45.2	.	40.4	41.6	.	21.8	20.5	.
SC03-153RR	4	8	40.6	.	.	39.8	.	.	21.5	.	.
SC03-169RR	23	19	35.5	.	.	41.5	.	.	21.0	.	.
SC03-172RR	14	15	38.1	.	.	41.6	.	.	21.0	.	.
SC03-9383RR	19	16	36.9	.	.	39.8	.	.	20.4	.	.

❖Data not included in mean:

2007 - Calhoun, GA; Clemson, SC; Fairhope, AL

2006 - Bossier City, LA

2005 - Calhoun, GA; Fairhope, AL

TABLE 62 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
AGS758RR	10/24	1.3	30	1.9	13.1			
HASKELL RR	4+	1.5	34	1.6	14.6			
Au02-3104	5+	1.8	36	2.0	13.6	W	T	
G03-1187 RR	4+	1.2	32	1.6	14.0	P	T	T
G03-1364 RR	4+	1.1	32	1.7	14.3	W	G	T
G03-1569 RR	4+	1.3	37	1.6	13.3	W	T	T
G03-364 RR	5+	1.2	31	1.8	14.2	W	T	T
G04-163 RR	5+	1.2	33	1.7	13.4	W	T	T
G04-236 RR	2+	1.1	30	1.6	11.4	P	T	T
N01-11136	3+	1.1	29	1.8	16.6	P	G	
N01-11491	2+	1.0	25	1.7	14.1	P	T	
N01-11771	2+	1.1	29	1.7	13.4	P	G	
N01-11777	1+	1.3	27	1.6	14.2	P	G	
N02-219	0	1.4	31	1.7	14.6	P	G	
N02-7084	3+	1.3	30	1.9	14.8	P	T	
N02-8491	1+	1.2	34	1.8	16.7	P	G	
N03-893	2+	1.0	31	1.5	13.3	W	G	
N97-9658	4+	1.3	30	1.6	12.9	P	G	
SC02-208RR	3+	1.0	32	1.7	13.1	W	G	
SC03-153RR	2+	1.2	31	1.6	13.2	W	T	
SC03-169RR	3+	1.6	35	1.8	13.7	W	G	
SC03-172RR	4+	1.3	35	1.7	13.7	W	G	
SC03-9383RR	3+	1.1	31	1.8	13.4	W	G	

TABLE 62 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV	SC	SC
	1.2.7	0	1.3.5.6.7						
AGS758RR	1	1	4	2.8	1.0	S	S	R	1
HASKELL RR	4	5	4	2.0	1.5	S	SEG	R	1
Au02-3104	4	1	4	2.8	2.3	S	SEG	R	1
G03-1187 RR	2	1	4	1.8	1.0	S	SEG	R	1
G03-1364 RR	1	1	5	4.0	1.3	S	R	R	1
G03-1569 RR	3	1	5	5.0	1.0	S	R	SS	3
G03-364 RR	5	1	5	2.0	1.0	S	SEG	R	1
G04-163 RR	4	1	4	4.8	1.0	S	R	S	5
G04-236 RR	3	1	5	5.0	1.0	S	R	S	5
N01-11136	5	5	5	5.0	4.5	S	R	R	1
N01-11491	4	5	5	5.0	5.0	S	R	S	5
N01-11771	5	4	5	4.8	4.3	R	R	R	1
N01-11777	5	4	5	5.0	5.0	R	R	R	1
N02-219	4	1	5	5.0	4.5	SEG	R	S	5
N02-7084	1	3	1	4.5	2.0	S	R	S	5
N02-8491	4	5	5	5.0	4.8	S	R	S	5
N03-893	4	5	4	5.0	5.0	S	R	R	1
N97-9658	4	5	5	4.0	1.0	R	S	S	5
SC02-208RR	1	1	5	5.0	1.0	S	R	R	1
SC03-153RR	3	1	4	4.0	1.0	S	R	R	1
SC03-169RR	3	1	5	4.3	1.0	S	R	R	1
SC03-172RR	3	1	5	4.8	1.0	SEG	R	R	1
SC03-9383RR	2	1	5	5.0	1.5	S	R	R	1

TABLE 63 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
AGS758RR	32.2
HASKELL RR	33.7
Au02-3104	34.2
G03-1187 RR	31.1
G03-1364 RR	32.0
G03-1569 RR	33.3
G03-364 RR	36.1
G04-163 RR	34.0
G04-236 RR	32.0
N01-11136	35.9
N01-11491	36.5
N01-11771	38.4
N01-11777	33.8
N02-219	35.0
N02-7084	29.9
N02-8491	29.8
N03-893	33.5
N97-9658	38.6
SC02-208RR	37.3
SC03-153RR	35.7
SC03-169RR	30.9
SC03-172RR	32.9
SC03-9383RR	34.9
LOCATION MEAN	34.0
L.S.D. (0.05)	5.8
C.V. (%)	10.4

TABLE 63 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758RR	31.3	28.5	31.9	47.9	31.4	61.6	51.1	44.2	60.2	41.2
HASKELL RR	25.0	29.8	33.0	41.0	33.5	62.8	52.1	41.8	42.4	37.4
Au02-3104	31.9	30.8	36.9	42.8	32.8	69.1	56.6	49.9	52.6	43.1
G03-1187 RR	28.4	28.1	33.9	43.0	41.5	67.9	45.4	43.3	59.4	39.8
G03-1364 RR	29.9	22.7	30.6	39.1	36.5	57.7	49.0	40.4	54.7	37.9
G03-1569 RR	26.0	24.4	29.5	42.4	37.8	62.2	51.3	38.6	62.4	38.7
G03-364 RR	23.7	27.1	31.4	46.4	36.8	64.4	42.1	44.1	59.2	37.9
G04-163 RR	29.5	25.3	32.7	40.0	35.9	54.7	48.3	42.8	46.7	37.6
G04-236 RR	28.2	29.4	31.1	43.9	36.8	60.7	53.7	39.8	62.6	40.8
N01-11136	29.3	29.7	33.7	38.8	31.9	61.9	42.0	43.4	57.8	39.3
N01-11491	26.9	27.2	30.5	39.8	40.9	56.4	47.6	37.7	51.6	36.9
N01-11771	34.4	26.5	38.7	33.2	34.0	62.3	48.9	48.2	55.6	42.1
N01-11777	31.7	26.2	35.1	27.0	31.3	40.2	37.2	50.8	52.7	39.0
N02-219	25.0	20.0	33.1	27.2	44.2	44.4	50.7	46.3	62.7	39.6
N02-7084	31.7	27.2	35.8	45.1	42.0	68.0	54.2	48.3	70.0	44.6
N02-8491	29.5	29.2	32.1	42.8	38.6	60.8	40.3	32.2	58.4	36.9
N03-893	28.5	32.2	32.1	46.0	45.0	60.3	47.7	35.5	51.5	37.9
N97-9658	28.1	24.5	31.5	37.9	41.2	60.2	48.5	49.5	51.2	38.9
SC02-208RR	29.4	27.2	33.1	43.0	36.6	53.3	51.9	42.5	57.5	40.3
SC03-153RR	30.1	27.1	34.7	37.7	37.6	61.9	46.3	45.9	61.0	40.8
SC03-169RR	23.4	20.7	28.5	37.4	32.3	59.1	47.2	43.1	48.9	35.3
SC03-172RR	29.4	24.7	30.9	39.0	39.1	61.8	54.7	40.7	51.1	38.6
SC03-9383RR	25.3	25.5	29.3	41.4	29.4	55.4	47.0	45.5	49.4	37.0
LOCATION MEAN	28.5	26.7	32.6	40.1	36.8	59.4	48.4	43.2	55.6	39.2
L.S.D. (0.05)	6.5	5.4	6.9	13.6	9.8	15.9	7.9	9.4	8.0	.
C.V. (%)	13.7	12.3	12.9	20.5	16.3	16.3	9.9	13.1	8.8	13.9

❖Data not included in mean.

TABLE 63 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
AGS758RR	40.7
HASKELL RR	44.9
Au02-3104	47.9
G03-1187 RR	46.5
G03-1364 RR	41.4
G03-1569 RR	43.4
G03-364 RR	41.4
G04-163 RR	35.1
G04-236 RR	41.4
N01-11136	42.5
N01-11491	36.3
N01-11771	45.4
N01-11777	36.0
N02-219	40.7
N02-7084	50.5
N02-8491	42.7
N03-893	42.3
N97-9658	47.8
SC02-208RR	41.0
SC03-153RR	43.6
SC03-169RR	41.4
SC03-172RR	40.5
SC03-9383RR	38.0
LOCATION MEAN	42.2
L.S.D. (0.05)	7.0
C.V. (%)	10.1

TABLE 64 ~CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2007

STRAIN/ VARIETY	OIL PERCENTAGES											
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BOSSIER CITY LA	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758RR	21.1	21.5	20.9	.	.	22.7	21.8	.	21.4	20.8	.	21.1
HASKELL RR	20.4	22.0	21.2	.	.	20.5	21.9	.	22.4	21.7	.	21.5
Au02-3104	20.7	22.2	22.3	.	.	22.4	23.2	.	22.3	22.8	.	22.1
G03-1187 RR	21.8	20.5	22.1	.	.	21.3	23.0	.	22.4	21.9	.	21.7
G03-1364 RR	21.8	20.7	22.0	.	.	20.4	20.7	.	22.7	21.2	.	21.7
G03-1569 RR	20.8	21.5	21.8	.	.	19.8	21.2	.	21.3	21.1	.	21.3
G03-364 RR	20.4	22.0	21.4	.	.	20.6	21.8	.	22.4	21.6	.	21.6
G04-163 RR	22.6	23.3	22.4	.	.	22.7	22.4	.	22.0	21.7	.	22.4
G04-236 RR	24.0	22.7	23.3	.	.	24.4	23.3	.	22.8	22.5	.	23.1
N01-11136	21.2	21.0	21.7	.	.	21.8	21.1	.	21.9	21.4	.	21.4
N01-11491	21.5	22.3	20.9	.	.	20.5	21.7	.	21.2	22.0	.	21.6
N01-11771	21.6	20.8	22.0	.	.	22.0	21.5	.	21.4	22.2	.	21.6
N01-11777	21.7	21.9	22.1	.	.	20.6	21.6	.	21.5	21.4	.	21.7
N02-219	22.5	22.2	22.2	.	.	21.9	21.5	.	22.0	21.0	.	22.0
N02-7084	22.4	22.2	22.1	.	.	21.9	21.1	.	21.3	21.8	.	22.0
N02-8491	20.0	21.3	20.4	.	.	19.9	19.5	.	19.8	20.6	.	20.4
N03-893	21.1	21.7	21.8	.	.	21.7	21.7	.	22.0	21.8	.	21.7
N97-9658	20.8	20.6	21.2	.	.	20.0	21.5	.	21.9	20.2	.	20.9
SC02-208RR	22.1	21.9	22.2	.	.	22.5	21.6	.	21.4	21.3	.	21.8
SC03-153RR	21.2	21.7	21.7	.	.	21.8	22.4	.	21.8	21.2	.	21.5
SC03-169RR	21.7	21.5	21.2	.	.	22.6	20.8	.	20.6	20.0	.	21.0
SC03-172RR	21.5	21.0	21.1	.	.	21.3	19.6	.	20.8	20.8	.	21.0
SC03-9383RR	20.5	19.3	21.0	.	.	20.9	21.0	.	20.6	20.8	.	20.4

❖Data not included in mean.

TABLE 64 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BOSSIER CITY LA	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758RR	39.2	38.5	41.9	.	.	34.4	41.1	.	40.9	41.8	.	40.5
HASKELL RR	40.0	38.2	40.0	.	.	37.9	41.8	.	38.6	40.8	.	39.5
Au02-3104	37.8	36.5	37.3	.	.	32.8	39.3	.	37.8	37.9	.	37.5
G03-1187 RR	37.4	39.6	40.6	.	.	36.7	41.4	.	38.8	39.6	.	39.2
G03-1364 RR	36.0	38.6	38.5	.	.	37.0	41.1	.	37.7	40.0	.	38.2
G03-1569 RR	38.8	40.2	39.6	.	.	38.6	41.9	.	40.5	41.0	.	40.0
G03-364 RR	38.9	37.5	39.5	.	.	38.2	41.1	.	38.8	40.0	.	38.9
G04-163 RR	38.9	39.5	40.1	.	.	36.9	42.2	.	40.4	42.2	.	40.2
G04-236 RR	35.4	39.6	39.2	.	.	35.0	41.4	.	40.3	40.8	.	39.1
N01-11136	37.0	38.6	37.8	.	.	35.1	40.3	.	38.5	39.3	.	38.2
N01-11491	37.0	38.2	38.8	.	.	36.9	39.8	.	39.3	39.6	.	38.6
N01-11771	36.2	40.2	37.7	.	.	34.3	40.8	.	38.4	39.6	.	38.4
N01-11777	35.8	37.6	35.9	.	.	37.2	39.3	.	37.2	40.1	.	37.3
N02-219	37.8	39.9	40.5	.	.	37.8	41.8	.	40.6	40.4	.	39.8
N02-7084	36.9	38.0	38.2	.	.	35.7	40.4	.	38.4	40.2	.	38.3
N02-8491	39.1	39.0	40.1	.	.	38.7	42.2	.	40.3	40.9	.	39.9
N03-893	39.3	40.2	39.7	.	.	38.5	41.8	.	40.0	40.4	.	39.9
N97-9658	39.8	40.5	39.3	.	.	39.3	43.9	.	38.6	41.7	.	40.0
SC02-208RR	38.6	41.4	40.7	.	.	38.0	42.2	.	40.4	41.0	.	40.4
SC03-153RR	38.1	40.2	39.4	.	.	35.3	41.7	.	39.7	41.6	.	39.8
SC03-169RR	39.0	41.6	41.4	.	.	38.5	43.7	.	41.5	43.8	.	41.5
SC03-172RR	39.6	42.0	41.1	.	.	39.6	42.9	.	42.1	43.0	.	41.6
SC03-9383RR	37.9	40.2	39.5	.	.	37.3	42.4	.	40.7	40.8	.	39.8

❖Data not included in mean.

TABLE 64 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS	ATHENS	BLACKVILLE	BOSSIER CITY	CALHOUN❖	CLEMSON❖	FAIRHOPE❖	KINSTON	PLAINS	TALLASSEE	TIFTON	MEAN
	GA(A)	GA(B)	SC(A)	LA	GA	SC	AL	NC	GA	AL(A)	GA	
AGS758RR	14.3	14.3	12.0	11.6	15.0	12.0	15.8	13.8	14.2	14.4	14.9	13.7
HASKELL RR	17.5	16.9	10.0	14.5	16.3	12.0	20.7	15.1	15.7	15.9	16.2	15.2
Au02-3104	16.2	15.8	12.0	11.1	15.9	14.0	17.6	15.1	14.5	14.2	14.6	14.2
G03-1187 RR	15.6	16.7	12.0	13.1	16.4	12.0	18.6	15.6	15.0	15.0	13.9	14.6
G03-1364 RR	16.0	16.8	14.0	13.7	18.4	14.0	18.4	14.7	15.3	14.8	14.4	14.9
G03-1569 RR	15.3	15.4	12.0	11.9	15.0	14.0	15.9	14.2	13.7	14.7	13.7	13.9
G03-364 RR	16.5	16.0	14.0	12.9	18.0	14.0	18.8	14.9	14.9	14.1	15.5	14.8
G04-163 RR	15.9	15.3	14.0	11.7	18.3	14.0	16.1	14.2	13.8	13.8	13.0	14.0
G04-236 RR	12.9	13.3	10.0	9.4	18.9	14.0	12.7	12.6	12.8	12.6	11.4	11.9
N01-11136	18.3	19.4	16.0	14.1	15.7	16.0	21.0	16.5	18.3	17.9	18.1	17.3
N01-11491	15.5	16.4	12.0	11.9	19.9	18.0	18.4	14.8	15.7	15.8	15.9	14.8
N01-11771	14.8	17.3	12.0	10.0	17.8	14.0	17.0	14.6	14.4	15.6	13.6	14.0
N01-11777	15.4	16.4	12.0	12.2	17.3	14.0	17.8	14.8	14.7	17.0	15.9	14.8
N02-219	16.9	16.6	12.0	11.8	16.5	16.0	19.0	14.6	16.7	16.3	16.5	15.2
N02-7084	16.7	16.8	12.0	12.6	15.0	16.0	18.4	16.0	15.7	16.8	17.0	15.5
N02-8491	18.0	18.3	18.0	15.4	18.0	16.0	19.7	16.3	17.7	16.9	18.2	17.4
N03-893	17.6	17.1	12.0	3.1	16.4	16.0	18.0	14.1	16.0	14.8	16.4	13.9
N97-9658	15.6	15.1	12.0	9.8	19.4	14.0	15.4	13.5	13.4	14.7	13.2	13.4
SC02-208RR	14.2	15.7	14.0	10.8	17.6	14.0	15.2	13.6	13.6	13.5	14.0	13.7
SC03-153RR	14.6	15.5	12.0	11.1	17.4	12.0	16.0	13.6	14.6	14.6	14.4	13.8
SC03-169RR	15.7	15.9	12.0	11.7	18.6	16.0	17.0	14.3	15.2	15.1	14.7	14.3
SC03-172RR	15.7	16.1	12.0	12.6	18.8	16.0	16.9	14.5	14.4	14.1	14.5	14.3
SC03-9383RR	15.8	16.0	12.0	10.8	14.6	14.0	16.6	14.8	14.2	14.5	13.9	14.0

❖Data not included in mean.

**TABLE 65 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN
AGS758RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2007**

STRAIN/ VARIETY	EAST
	KINSTON NC
AGS758RR	10/29
HASKELL RR	4
Au02-3104	8
G03-1187 RR	6
G03-1364 RR	8
G03-1569 RR	7
G03-364 RR	6
G04-163 RR	6
G04-236 RR	5
N01-11136	3
N01-11491	3
N01-11771	5
N01-11777	-1
N02-219	2
N02-7084	8
N02-8491	8
N03-893	3
N97-9658	6
SC02-208RR	3
SC03-153RR	4
SC03-169RR	8
SC03-172RR	7
SC03-9383RR	5

TABLE 65 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758RR	10/23	10/29	10/24	10/17	11/01	10/26	.	10/27	10/18	10/24
HASKELL RR	7	3	5	3	3	4	.	1	2	4
Au02-3104	7	6	7	6	5	5	.	2	1	5
G03-1187 RR	5	6	3	7	4	1	.	0	1	3
G03-1364 RR	8	7	4	6	4	-1	.	0	0	4
G03-1569 RR	8	5	4	5	6	1	.	1	1	4
G03-364 RR	11	5	5	4	6	3	.	2	3	5
G04-163 RR	9	6	7	6	6	2	.	2	0	5
G04-236 RR	4	5	0	5	4	2	.	0	0	2
N01-11136	7	5	3	9	2	1	.	0	1	3
N01-11491	5	2	4	5	5	1	.	0	2	3
N01-11771	5	4	2	5	1	1	.	1	1	3
N01-11777	0	4	3	8	1	1	.	2	0	2
N02-219	-1	2	3	3	2	3	.	-1	0	1
N02-7084	5	3	0	5	3	3	.	0	3	2
N02-8491	-2	-1	0	3	-1	1	.	-1	1	0
N03-893	7	5	0	5	1	0	.	-1	1	2
N97-9658	8	7	3	6	3	4	.	0	0	4
SC02-208RR	7	6	4	8	1	0	.	0	0	4
SC03-153RR	3	3	1	2	4	0	.	-1	2	2
SC03-169RR	7	3	4	9	4	3	.	1	1	4
SC03-172RR	7	6	5	7	5	3	.	1	1	4
SC03-9383RR	7	5	2	6	2	0	.	2	1	3

❖Data not included in mean.

TABLE 65 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
AGS758RR	10/18
HASKELL RR	3
Au02-3104	2
G03-1187 RR	4
G03-1364 RR	1
G03-1569 RR	1
G03-364 RR	4
G04-163 RR	4
G04-236 RR	2
N01-11136	0
N01-11491	1
N01-11771	-2
N01-11777	-2
N02-219	-2
N02-7084	1
N02-8491	1
N03-893	-2
N97-9658	7
SC02-208RR	0
SC03-153RR	4
SC03-169RR	-1
SC03-172RR	1
SC03-9383RR	0

TABLE 66 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
AGS758RR	34
HASKELL RR	40
Au02-3104	40
G03-1187 RR	40
G03-1364 RR	38
G03-1569 RR	43
G03-364 RR	39
G04-163 RR	36
G04-236 RR	37
N01-11136	34
N01-11491	28
N01-11771	33
N01-11777	34
N02-219	36
N02-7084	33
N02-8491	44
N03-893	39
N97-9658	37
SC02-208RR	38
SC03-153RR	33
SC03-169RR	39
SC03-172RR	37
SC03-9383RR	38

TABLE 66 ~ Continued

STRAIN/ VARIETY	SOUTH									
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
AGS758RR	31	19	29	41	27	42	29	32	31	28
HASKELL RR	33	23	37	43	39	46	30	32	38	32
Au02-3104	39	27	36	41	34	39	31	35	38	34
G03-1187 RR	32	24	30	32	35	37	26	34	36	30
G03-1364 RR	30	21	31	42	29	39	29	31	37	30
G03-1569 RR	37	25	34	36	35	47	32	34	44	34
G03-364 RR	32	23	29	38	27	40	26	31	32	29
G04-163 RR	30	21	34	38	30	47	31	34	41	32
G04-236 RR	27	22	28	33	30	37	28	31	34	28
N01-11136	30	21	26	34	28	32	25	28	36	28
N01-11491	25	20	23	32	22	29	26	23	28	24
N01-11771	29	21	26	33	28	35	25	30	31	27
N01-11777	28	20	25	35	29	36	23	31	29	26
N02-219	29	20	30	33	33	39	30	30	33	29
N02-7084	30	20	28	32	31	41	24	31	33	28
N02-8491	33	22	32	42	34	40	32	27	39	31
N03-893	29	22	28	35	31	39	29	29	35	29
N97-9658	31	22	27	34	31	37	26	30	32	28
SC02-208RR	32	21	30	34	33	42	31	31	37	30
SC03-153RR	33	20	27	37	30	39	30	33	35	30
SC03-169RR	36	24	32	37	36	42	35	35	37	33
SC03-172RR	35	24	35	36	37	43	34	34	39	33
SC03-9383RR	29	19	27	38	29	40	29	34	36	29

❖Data not included in mean.

TABLE 66 ~ Continued

STRAIN/ VARIETY	WEST	
	BOSSIER CITY	LA
AGS758RR		34
HASKELL RR		39
Au02-3104		39
G03-1187 RR		37
G03-1364 RR		36
G03-1569 RR		44
G03-364 RR		35
G04-163 RR		38
G04-236 RR		34
N01-11136		33
N01-11491		29
N01-11771		35
N01-11777		30
N02-219		35
N02-7084		37
N02-8491		41
N03-893		37
N97-9658		36
SC02-208RR		38
SC03-153RR		37
SC03-169RR		40
SC03-172RR		41
SC03-9383RR		36

**TABLE 67 ~ PLANT LODGING FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII,
2007**

STRAIN/ VARIETY	EAST
	KINSTON NC
AGS758RR	2.5
HASKELL RR	2.5
Au02-3104	2.7
G03-1187 RR	2.2
G03-1364 RR	2.0
G03-1569 RR	2.3
G03-364 RR	2.0
G04-163 RR	2.0
G04-236 RR	1.2
N01-11136	1.5
N01-11491	1.0
N01-11771	1.5
N01-11777	2.0
N02-219	2.7
N02-7084	2.2
N02-8491	2.0
N03-893	1.3
N97-9658	2.2
SC02-208RR	1.2
SC03-153RR	2.2
SC03-169RR	2.3
SC03-172RR	2.0
SC03-9383RR	2.0

TABLE 67 ~ Continued

STRAIN/ VARIETY	SOUTH									MEAN
	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	CALHOUN❖ GA	CLEMSON❖ SC	FAIRHOPE❖ AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	
AGS758RR	1.0	1.0	1.0	2.0	1.3	2.0	1.0	1.0	1.3	1.1
HASKELL RR	1.0	1.0	1.3	1.7	2.7	3.0	1.7	1.0	1.3	1.2
Au02-3104	1.7	1.0	1.3	2.0	2.0	3.0	1.3	1.0	1.7	1.3
G03-1187 RR	1.0	1.0	1.0	1.3	1.8	1.7	1.0	1.0	1.0	1.0
G03-1364 RR	1.0	1.0	1.0	1.3	1.3	1.3	1.0	1.0	1.0	1.0
G03-1569 RR	1.0	1.0	1.0	1.0	1.3	2.0	1.3	1.0	1.0	1.1
G03-364 RR	1.0	1.0	1.0	1.3	1.7	2.0	1.0	1.0	1.3	1.1
G04-163 RR	1.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
G04-236 RR	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0
N01-11136	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0	1.0
N01-11491	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0	1.0
N01-11771	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0	1.0
N01-11777	1.0	1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.7	1.1
N02-219	1.0	1.0	1.0	1.7	1.3	2.3	1.3	1.0	1.0	1.1
N02-7084	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.0	1.0
N02-8491	1.0	1.0	1.0	2.0	2.0	2.3	1.3	1.0	1.0	1.1
N03-893	1.0	1.0	1.0	1.3	1.0	1.3	1.0	1.0	1.0	1.0
N97-9658	1.0	1.0	1.0	1.3	1.0	2.0	1.0	1.0	1.3	1.1
SC02-208RR	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0	1.0
SC03-153RR	1.3	1.0	1.0	1.0	1.3	2.7	1.0	1.0	1.0	1.1
SC03-169RR	1.0	1.0	1.0	1.0	1.8	2.7	1.3	1.0	2.3	1.3
SC03-172RR	1.0	1.0	1.0	1.0	1.7	2.0	1.0	1.0	2.0	1.2
SC03-9383RR	1.0	1.0	1.0	2.0	1.0	1.3	1.0	1.0	1.0	1.0

❖Data not included in mean.

TABLE 67 ~ Continued

WEST	
STRAIN/ VARIETY	BOSSIER CITY LA
AGS758RR	1.3
HASKELL RR	1.8
Au02-3104	3.3
G03-1187 RR	1.2
G03-1364 RR	1.0
G03-1569 RR	1.5
G03-364 RR	1.3
G04-163 RR	1.5
G04-236 RR	1.5
N01-11136	1.0
N01-11491	1.0
N01-11771	1.0
N01-11777	1.5
N02-219	2.0
N02-7084	1.8
N02-8491	1.3
N03-893	1.0
N97-9658	1.5
SC02-208RR	1.0
SC03-153RR	1.0
SC03-169RR	2.5
SC03-172RR	1.3
SC03-9383RR	1.0

**TABLE 68 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII,
2007**

STRAIN/ VARIETY	EAST
	KINSTON NC
AGS758RR	2.5
HASKELL RR	2.0
Au02-3104	2.0
G03-1187 RR	2.0
G03-1364 RR	2.0
G03-1569 RR	2.5
G03-364 RR	2.5
G04-163 RR	2.5
G04-236 RR	2.0
N01-11136	2.0
N01-11491	2.0
N01-11771	2.0
N01-11777	1.5
N02-219	2.0
N02-7084	2.5
N02-8491	2.5
N03-893	2.0
N97-9658	2.0
SC02-208RR	2.0
SC03-153RR	2.0
SC03-169RR	2.5
SC03-172RR	2.0
SC03-9383RR	2.0

TABLE 68 ~ Continued

STRAIN/ VARIETY	SOUTH							MEAN
	ATHENS GA(A)	ATHENS GA(B)	CALHOUN❖ GA	FAIRHOPE❖ AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	
AGS758RR	1.7	2.0	1.8	1.5	2.2	1.0	2.3	1.8
HASKELL RR	2.0	1.7	1.7	1.5	2.0	1.0	1.3	1.6
Au02-3104	2.3	2.2	1.5	1.5	2.5	1.5	1.8	2.1
G03-1187 RR	2.0	2.2	1.8	1.5	1.8	1.0	1.5	1.7
G03-1364 RR	2.0	2.0	1.5	1.5	1.8	1.5	1.5	1.8
G03-1569 RR	1.8	1.7	1.5	1.5	1.8	1.0	1.3	1.5
G03-364 RR	2.3	2.3	1.7	1.5	2.0	1.0	1.3	1.8
G04-163 RR	2.2	1.8	1.8	1.5	1.8	1.0	1.3	1.6
G04-236 RR	2.0	1.8	2.2	1.0	1.8	1.0	1.3	1.6
N01-11136	2.0	2.2	1.8	2.5	2.3	1.0	2.2	1.9
N01-11491	1.8	2.0	2.2	2.0	2.2	1.0	1.5	1.7
N01-11771	1.8	2.0	1.3	1.5	2.3	1.0	1.5	1.7
N01-11777	2.0	2.0	1.5	2.0	2.0	1.0	1.5	1.7
N02-219	2.0	1.8	1.7	2.5	2.3	1.0	1.7	1.8
N02-7084	2.2	2.0	1.7	2.5	2.3	1.0	2.2	1.9
N02-8491	1.8	2.0	1.5	2.0	2.3	1.0	1.7	1.8
N03-893	1.8	1.8	1.7	1.5	2.0	1.0	1.0	1.5
N97-9658	1.8	2.0	2.2	1.0	1.7	1.0	1.0	1.5
SC02-208RR	2.0	2.0	1.5	1.0	1.8	1.0	1.3	1.6
SC03-153RR	1.8	1.7	1.5	1.5	1.7	1.0	1.5	1.5
SC03-169RR	1.8	1.8	1.8	1.5	2.3	1.0	1.7	1.7
SC03-172RR	1.8	1.7	1.7	1.0	2.0	1.0	1.7	1.6
SC03-9383RR	2.2	2.2	1.7	1.0	2.0	1.0	1.5	1.8

❖Data not included in mean.

TABLE 68 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
AGS758RR	1.3
HASKELL RR	1.2
Au02-3104	1.3
G03-1187 RR	1.0
G03-1364 RR	1.3
G03-1569 RR	1.3
G03-364 RR	1.2
G04-163 RR	1.5
G04-236 RR	1.3
N01-11136	1.0
N01-11491	1.2
N01-11771	1.0
N01-11777	1.0
N02-219	1.0
N02-7084	1.3
N02-8491	1.0
N03-893	1.0
N97-9658	1.5
SC02-208RR	1.5
SC03-153RR	1.5
SC03-169RR	1.3
SC03-172RR	1.5
SC03-9383RR	1.5

PRELIMINARY GROUP VII**2007**

Preliminary Group VII nurseries were planted at 6 locations. Data were obtained from all 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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AGS758RR		
2. HASKELL RR	(Johnson x Braxton) x RR	
3. Au03-0115	NC-Roy x G92-1110	
4. Au03-0140	NC-Roy x G92-1110	
5. Au03-0337	NC-Roy x G92-1110	
6. Au03-1227	NC-Roy x G93-1749	
7. G04-1411 RR	G96-2272 X BOGGS- RR	F5d
8. G04-2215 RR	G96-2272 X BENNING-RR	F5d
9. G04-2382 RR	G96-2272 X BENNING-RR	F5d
10. G04-2414 RR	G96-2272 X BENNING-RR	F5d
11. G04-2484 RR	G96-2272 X BENNING-RR	F5d
12. G04-2588 RR	G96-2272 X BENNING-RR	F5d
13. G04-2591 RR	G96-2272 X BENNING-RR	F5d
14. JWB-2400	CNSxFLYER	
15. N01-11884	GRAHAM X N96-6767	F4
16. N02-7834	Cook x Archer (I)	
17. N02-8951	N96-6730 X N96-6732	F4
18. N04-8974	6894 X 9812 (50% PI)	
19. N04-9859	N94-7440 X N96-6733 (LARGE) sq	
20. N05-7229	N96-6809 x N96-7031	
21. N05-7260	N96-6809 x N96-7031	
22. N05-7266	N96-6809 x N98-7265	
23. N05-7281	N96-6809 x N98-7265	
24. N05-7396	N97-9658 x N98-7265	
25. N05-7452	N97-9658 x TN96-58	
26. N05-7462	TN96-58 x N96-6809	
27. NCC04-14762	TN96-58 x N94-552 RR, BC1F1	F4:9
28. SC04-121	MAXCY(3)/[(MAXCY/N474)/N94-199]	F5
29. SC04-134	HAGOOD(5)/N474	F5
30. SC04-167	HAGOOD(3)/[(HAGOOD/N474)/N94-199]	F5
31. SC04-304RR	SC94-1075/SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
32. SC04-375RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
33. SC04-386RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
34. SC04-417RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5

TABLE 70 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP VII, 2007
~ MEAN OF 3 LOCATIONS

STRAIN/ VARIETY	SEED		AVG. RANK	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		HG TYPE	HG TYPE	HG TYPE	SC RATING	SC SCORE	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK							PROTEIN	OIL	1.2.7 2	0 3	1.3.5.6.7 14					
AGS758RR	40.8	26	7	11/02	1.5	37	2.2	14.2	.	.	5	1	5	R	1			
HASKELL RR	42.9	20	5	2+	2.2	41	1.7	16.0	.	.	5	3	4	R	1			
Au03-0115	45.4	9	4	2-	2.3	36	2.0	13.7	.	.	5	3	4	R	1	P	G	
Au03-0140	45.0	11	5	1-	1.6	37	2.3	13.7	.	.	4	1	4	S	5	W	T	
Au03-0337	47.2+	4	4	0	2.1	38	2.3	13.0	.	.	5	4	5	S	5	W	T	
Au03-1227	39.5	30	7	1-	2.6	39	2.2	17.1	.	.	5	3	4	S	5	P	G	
G04-1411 RR	43.4	16	6	1+	1.6	37	1.7	11.7	.	.	5	1	4	R	1	W	T	T
G04-2215 RR	45.5	8	4	1-	1.2	32	1.5	12.0	.	.	5	1	4	R	1	W	T	T
G04-2382 RR	40.9	25	7	0	1.7	41	1.8	12.0	.	.	5	1	4	R	1	W	T	T
G04-2414 RR	44.7	13	6	1-	1.1	35	1.8	13.0	.	.	5	1	4	R	1	P	T	T
G04-2484 RR	42.1	22	7	0	1.9	36	1.8	13.7	.	.	5	1	4	R	1	W	T	T
G04-2588 RR	41.4	23	8	0	1.1	37	1.8	14.5	.	.	4	1	4	R	1	W	T	T
G04-2591 RR	41.3	24	7	1+	1.3	38	1.5	13.4	.	.	4	1	3	R	1	W	T	T
JWB-2400	43.1	18	5	1-	1.5	32	2.1	14.4	.	.	5	2	4	R	1	P	T	
N01-11884	40.7	27	7	2+	1.6	34	2.0	15.4	.	.	5	3	4	S	5	P	G	
N02-7834	40.2	29	7	2+	1.3	33	2.1	15.9	.	.	5	3	4	R	1	P	T	
N02-8951	40.3	28	6	0	1.7	32	2.1	18.8	.	.	5	3	5	S	5	P	G	
N04-8974	43.0	19	5	2+	1.2	30	1.5	14.5	.	.	5	3	5	R	1	P	G	
N04-9859	43.9	15	5	2+	1.3	34	1.7	13.2	.	.	5	2	4	R	1	P	G	
N05-7229	44.1	14	5	3+	1.8	33	2.0	14.6	.	.	5	4	4	S	5			
N05-7260	45.1	10	4	0	1.6	33	1.8	13.8	.	.	5	3	5	S	5			
N05-7266	42.7	21	6	6+	2.1	36	1.7	15.9	.	.	5	3	5	S	5			
N05-7281	44.9	12	5	4+	1.4	34	1.8	16.7	.	.	5	2	5	S	5			
N05-7396	43.1	18	6	2+	1.5	37	1.5	15.8	.	.	5	3	5	S	5			
N05-7452	49.5+	1	4	0	1.4	35	1.5	11.4	.	.	5	1	5	S	5			
N05-7462	46.4	6	4	1+	1.9	37	1.6	16.5	.	.	5	2	4	S	5			
NCC04-14762	47.7+	3	4	1-	1.3	36	2.0	14.5	.	.	5	2	4	R	1	W	G	
SC04-121	37.0	31	10	2+	2.3	37	1.5	16.4	.	.	5	2	3	S	5	P	T	
SC04-134	36.4	33	10	3+	1.8	38	2.3	15.5	.	.	5	1	4	S	5	W	G	
SC04-167	36.7	32	10	0	2.6	40	1.9	14.0	.	.	5	1	4	S	5	W	T	
SC04-304RR	36.0	34	11	5+	1.1	36	1.8	13.3	.	.	5	1	5	S	5	W	G	
SC04-375RR	48.0+	2	3	1-	1.6	36	1.8	15.9	.	.	5	3	4	R	1	W	T	
SC04-386RR	47.0+	5	4	1-	1.4	36	1.8	12.9	.	.	5	2	5	SS	3	W	G	
SC04-417RR	46.0	7	4	2-	1.1	37	1.8	13.5	.	.	5	3	4	MR	2	W	T	
OVERALL MEAN	43.0								.	.								
LSD (.05)	6.0								.	.								
C.V.	9%								.%	.%								

Protein and oil data were not reported for included locations.

TABLE 71 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖	JACKSON SPRINGS	KINSTON	PLAINS	STONEVILLE❖	TALLASSEE❖	MEAN
	SC(A)	NC	NC	GA	MS	AL(A)	
AGS758RR	27.2	34.2	35.6	52.7	20.7	32.8	40.8
HASKELL RR	24.6	39.5	40.1	49.0	22.0	35.0	42.9
Au03-0115	26.4	43.7+	38.3	54.2	46.7+	26.5	45.4
Au03-0140	25.0	43.9+	35.0	56.0	17.2	29.6	45.0
Au03-0337	23.9	41.6+	38.3	61.7+	32.4+	32.9	47.2+
Au03-1227	26.1	34.9	35.5	48.0	33.2+	31.9	39.5
G04-1411 RR	26.4	36.4	34.8	59.1	36.2+	30.3	43.4
G04-2215 RR	23.9	41.6+	40.6	54.2	17.2	34.3	45.5
G04-2382 RR	26.4	36.6	32.4	53.9	29.3	32.9	40.9
G04-2414 RR	21.0	46.8+	30.4	57.0	21.2	35.8	44.7
G04-2484 RR	23.2	35.9	33.8	56.6	20.0	30.2	42.1
G04-2588 RR	28.4	37.5	28.1-	58.5	22.2	30.0	41.4
G04-2591 RR	21.8	39.7	31.6	52.6	17.0	35.2	41.3
JWB-2400	23.8	38.2	39.0	52.3	13.0	24.6	43.1
N01-11884	28.5	38.0	30.8	53.3	32.3+	32.7	40.7
N02-7834	30.4	32.8	36.6	51.3	30.2+	24.3	40.2
N02-8951	19.8-	40.5	34.9	45.6	18.0	23.0-	40.3
N04-8974	26.6	40.4	35.7	52.9	13.4	33.5	43.0
N04-9859	22.5	37.2	38.8	55.8	34.5+	34.9	43.9
N05-7229	29.8	38.8	37.0	56.6	23.1	29.2	44.1
N05-7260	24.7	41.7+	41.6	51.9	25.7	26.7	45.1
N05-7266	23.4	36.3	34.1	57.6	28.2	33.9	42.7
N05-7281	20.6	37.4	37.7	59.7	23.0	37.0	44.9
N05-7396	23.5	36.0	37.3	56.0	28.0	35.0	43.1
N05-7452	29.3	45.2+	38.2	65.2+	34.2+	34.6	49.5+
N05-7462	27.1	48.1+	37.8	53.3	44.5+	38.9	46.4
NCC04-14762	30.8	50.3+	36.6	56.1	39.4+	29.3	47.7+
SC04-121	26.8	27.3	34.1	49.4	22.4	31.9	37.0
SC04-134	21.3	28.9	31.0	49.2	28.6	28.1	36.4
SC04-167	25.1	34.1	29.0-	46.9	24.1	31.8	36.7
SC04-304RR	24.2	32.1	25.8-	50.1	18.7	29.8	36.0
SC04-375RR	32.3	47.8+	40.0	56.2	42.9+	32.5	48.0+
SC04-386RR	28.2	41.6+	44.5+	55.0	29.9+	30.3	47.0+
SC04-417RR	29.1	45.0+	36.0	57.2	32.1+	30.8	46.0
LOCATION MEAN	25.7	39.1	35.6	54.3	27.1	31.5	43.0
L.S.D. (0.05)	7.2	7.0	6.4	8.6	9.1	9.6	6.0
C.V. (%)	17.3	10.8	10.8	9.7	20.7	18.8	8.6

❖Data not included in mean.

TABLE 72 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖ SC(A)	TALLASSEE❖ AL(A)
AGS758RR	20.8	21.2
HASKELL RR	20.7	21.6
Au03-0115	21.0	20.6
Au03-0140	20.3	21.1
Au03-0337	20.2	20.0
Au03-1227	19.4	19.2
G04-1411 RR	20.6	22.5
G04-2215 RR	21.7	22.3
G04-2382 RR	20.4	20.3
G04-2414 RR	21.4	22.0
G04-2484 RR	20.4	20.9
G04-2588 RR	21.0	21.7
G04-2591 RR	20.8	21.3
JWB-2400	21.4	22.5
N01-11884	20.5	21.1
N02-7834	20.7	20.1
N02-8951	19.5	20.5
N04-8974	21.6	21.8
N04-9859	18.6	19.0
N05-7229	20.5	21.1
N05-7260	22.0	22.7
N05-7266	22.2	22.5
N05-7281	22.5	22.6
N05-7396	21.3	21.4
N05-7452	21.4	21.8
N05-7462	21.9	22.6
NCC04-14762	20.9	20.5
SC04-121	20.8	20.9
SC04-134	18.1	18.4
SC04-167	20.1	20.9
SC04-304RR	20.4	21.6
SC04-375RR	21.4	21.5
SC04-386RR	22.4	23.9
SC04-417RR	23.1	22.9

❖Data not included in mean.

TABLE 73 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖	TALLASSEE❖
	SC(A)	AL(A)
AGS758RR	40.4	42.4
HASKELL RR	40.3	41.0
Au03-0115	37.8	40.5
Au03-0140	39.8	42.1
Au03-0337	40.3	43.3
Au03-1227	43.7	44.4
G04-1411 RR	41.2	39.6
G04-2215 RR	39.0	39.7
G04-2382 RR	42.8	43.4
G04-2414 RR	40.8	42.9
G04-2484 RR	40.4	41.8
G04-2588 RR	41.0	41.5
G04-2591 RR	39.1	41.6
JWB-2400	40.6	43.6
N01-11884	40.7	41.4
N02-7834	41.2	43.1
N02-8951	42.1	42.7
N04-8974	38.4	39.9
N04-9859	42.8	42.4
N05-7229	39.8	41.0
N05-7260	37.8	40.1
N05-7266	39.2	41.2
N05-7281	38.1	39.9
N05-7396	41.2	42.2
N05-7452	40.0	42.0
N05-7462	38.7	39.4
NCC04-14762	41.3	43.0
SC04-121	41.9	43.8
SC04-134	42.0	43.5
SC04-167	43.7	43.7
SC04-304RR	44.3	43.9
SC04-375RR	39.5	41.2
SC04-386RR	39.5	39.9
SC04-417RR	39.5	40.0

❖Data not included in mean.

TABLE 74 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖ SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
AGS758RR	12.0	14.3	13.4	14.8	13.2	14.2
HASKELL RR	14.0	16.0	15.1	17.0	14.1	16.0
Au03-0115	16.0	12.8	13.2	15.2	12.7	13.7
Au03-0140	12.0	13.2	13.1	14.9	12.7	13.7
Au03-0337	12.0	12.8	12.2	14.0	12.3	13.0
Au03-1227	16.0	15.2	16.6	19.4	14.9	17.1
G04-1411 RR	12.0	11.5	11.1	12.4	10.4	11.7
G04-2215 RR	14.0	11.5	11.5	13.2	11.5	12.0
G04-2382 RR	16.0	11.1	11.7	13.3	11.6	12.0
G04-2414 RR	14.0	11.9	12.7	14.3	12.8	13.0
G04-2484 RR	14.0	13.9	12.5	14.8	13.4	13.7
G04-2588 RR	16.0	14.6	13.7	15.3	13.9	14.5
G04-2591 RR	12.0	13.2	12.5	14.5	12.4	13.4
JWB-2400	16.0	13.1	14.0	16.3	14.6	14.4
N01-11884	16.0	15.2	13.7	17.4	14.3	15.4
N02-7834	16.0	14.2	16.6	16.9	15.8	15.9
N02-8951	20.0	16.0	19.1	21.3	17.2	18.8
N04-8974	20.0	14.8	13.5	15.2	14.1	14.5
N04-9859	14.0	11.9	12.5	15.1	13.2	13.2
N05-7229	16.0	13.3	14.9	15.6	14.2	14.6
N05-7260	16.0	13.2	13.2	15.0	13.7	13.8
N05-7266	20.0	15.9	16.0	15.9	14.7	15.9
N05-7281	16.0	16.3	16.0	17.9	16.1	16.7
N05-7396	16.0	15.5	15.1	16.7	15.2	15.8
N05-7452	12.0	9.8	11.3	13.1	11.3	11.4
N05-7462	16.0	14.8	15.2	19.5	15.9	16.5
NCC04-14762	14.0	12.9	13.9	16.8	12.9	14.5
SC04-121	16.0	15.5	15.4	18.5	14.0	16.4
SC04-134	16.0	14.6	13.9	17.9	14.5	15.5
SC04-167	20.0	14.2	12.4	15.5	14.3	14.0
SC04-304RR	16.0	12.7	12.3	14.9	13.2	13.3
SC04-375RR	20.0	14.5	14.9	18.3	15.8	15.9
SC04-386RR	14.0	11.8	12.8	14.3	12.8	12.9
SC04-417RR	14.0	11.5	13.1	16.0	14.4	13.5

❖Data not included in mean.

TABLE 75 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖ SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
AGS758RR	30	48	33	31	29	37
HASKELL RR	35	51	41	31	34	41
Au03-0115	32	49	29	29	31	36
Au03-0140	28	47	34	29	31	37
Au03-0337	39	45	36	34	36	38
Au03-1227	34	50	36	29	33	39
G04-1411 RR	32	45	36	29	27	37
G04-2215 RR	25	40	31	25	27	32
G04-2382 RR	35	51	35	36	34	41
G04-2414 RR	29	46	33	26	29	35
G04-2484 RR	29	47	34	26	28	36
G04-2588 RR	29	47	32	32	31	37
G04-2591 RR	28	47	39	29	32	38
JWB-2400	28	40	33	24	26	32
N01-11884	31	44	28	30	30	34
N02-7834	30	41	32	25	26	33
N02-8951	26	39	34	24	24	32
N04-8974	29	40	26	25	27	30
N04-9859	29	42	35	26	29	34
N05-7229	29	40	33	26	30	33
N05-7260	27	43	30	25	27	33
N05-7266	34	45	36	27	32	36
N05-7281	29	44	33	26	30	34
N05-7396	30	44	38	29	31	37
N05-7452	28	43	35	27	26	35
N05-7462	38	47	36	26	32	37
NCC04-14762	32	48	36	25	27	36
SC04-121	35	45	35	30	32	37
SC04-134	33	47	37	31	31	38
SC04-167	33	50	37	33	29	40
SC04-304RR	30	45	31	31	30	36
SC04-375RR	30	46	33	28	31	36
SC04-386RR	29	44	35	30	27	36
SC04-417RR	32	48	36	28	26	37

❖Data not included in mean.

TABLE 76 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	BLACKVILLE❖ SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
AGS758RR	1.0	2.0	1.5	1.0	1.0	1.5
HASKELL RR	1.7	3.2	2.0	1.3	1.0	2.2
Au03-0115	1.3	3.2	2.5	1.3	1.0	2.3
Au03-0140	1.0	2.3	1.5	1.0	1.0	1.6
Au03-0337	2.0	2.5	2.3	1.7	1.0	2.1
Au03-1227	2.3	3.7	2.8	1.3	1.0	2.6
G04-1411 RR	1.0	2.5	1.3	1.0	1.0	1.6
G04-2215 RR	1.0	1.7	1.0	1.0	1.0	1.2
G04-2382 RR	1.0	2.5	1.5	1.0	1.0	1.7
G04-2414 RR	1.0	1.2	1.0	1.0	1.0	1.1
G04-2484 RR	1.0	3.0	1.8	1.0	1.0	1.9
G04-2588 RR	1.0	1.2	1.3	1.0	1.0	1.1
G04-2591 RR	1.0	1.7	1.3	1.0	1.0	1.3
JWB-2400	1.0	1.8	1.8	1.0	1.0	1.5
N01-11884	1.3	2.3	1.5	1.0	1.0	1.6
N02-7834	1.0	1.7	1.3	1.0	1.0	1.3
N02-8951	1.0	2.3	1.8	1.0	1.0	1.7
N04-8974	1.0	1.7	1.0	1.0	1.0	1.2
N04-9859	1.0	1.3	1.5	1.0	1.0	1.3
N05-7229	1.0	2.2	2.0	1.3	1.0	1.8
N05-7260	1.0	2.2	1.5	1.0	1.0	1.6
N05-7266	1.3	3.2	2.3	1.0	1.0	2.1
N05-7281	1.0	1.3	2.0	1.0	1.0	1.4
N05-7396	1.0	2.0	1.5	1.0	1.0	1.5
N05-7452	1.0	1.7	1.5	1.0	1.0	1.4
N05-7462	2.0	2.7	2.0	1.0	1.0	1.9
NCC04-14762	1.0	1.7	1.3	1.0	1.0	1.3
SC04-121	1.0	3.5	1.8	1.7	1.0	2.3
SC04-134	1.3	2.2	1.5	1.7	1.0	1.8
SC04-167	1.3	4.0	1.8	2.0	1.0	2.6
SC04-304RR	1.0	1.2	1.0	1.0	1.0	1.1
SC04-375RR	1.0	2.3	1.5	1.0	1.0	1.6
SC04-386RR	1.0	1.7	1.5	1.0	1.0	1.4
SC04-417RR	1.0	1.2	1.3	1.0	1.0	1.1

❖Data not included in mean.

TABLE 77 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2007

STRAIN/ VARIETY	JACKSON SPRINGS NC	PLAINS GA	STONEVILLE❖ MS	TALLASSEE❖ AL(A)	MEAN
AGS758RR	2.0	2.3	3.0	1.0	2.2
HASKELL RR	1.5	1.8	3.0	1.0	1.7
Au03-0115	2.0	2.0	3.0	1.0	2.0
Au03-0140	2.0	2.5	3.0	1.0	2.3
Au03-0337	2.0	2.5	3.0	1.0	2.3
Au03-1227	2.0	2.3	3.0	1.0	2.2
G04-1411 RR	1.5	1.8	3.0	1.0	1.7
G04-2215 RR	1.0	2.0	3.0	1.0	1.5
G04-2382 RR	1.5	2.0	3.0	1.0	1.8
G04-2414 RR	1.5	2.2	3.0	1.0	1.8
G04-2484 RR	1.5	2.2	3.0	1.0	1.8
G04-2588 RR	1.5	2.2	3.0	1.0	1.8
G04-2591 RR	1.0	2.0	3.0	1.0	1.5
JWB-2400	2.0	2.2	3.0	1.0	2.1
N01-11884	1.5	2.5	3.0	1.0	2.0
N02-7834	2.0	2.2	3.0	1.0	2.1
N02-8951	2.0	2.2	3.0	1.0	2.1
N04-8974	1.0	2.0	3.0	1.0	1.5
N04-9859	1.5	1.8	3.0	1.0	1.7
N05-7229	1.5	2.5	3.0	1.0	2.0
N05-7260	1.5	2.0	3.0	1.0	1.8
N05-7266	1.5	1.8	3.0	1.0	1.7
N05-7281	1.5	2.0	3.0	1.0	1.8
N05-7396	1.0	2.0	3.0	1.0	1.5
N05-7452	1.0	2.0	3.0	1.0	1.5
N05-7462	1.0	2.2	3.0	1.0	1.6
NCC04-14762	1.5	2.5	3.0	1.0	2.0
SC04-121	1.5	1.5	3.0	1.0	1.5
SC04-134	2.0	2.5	3.0	1.0	2.3
SC04-167	1.5	2.3	3.0	1.0	1.9
SC04-304RR	1.5	2.0	3.0	1.0	1.8
SC04-375RR	1.5	2.0	3.0	1.0	1.8
SC04-386RR	1.5	2.0	3.0	1.0	1.8
SC04-417RR	1.5	2.0	3.0	1.0	1.8

❖Data not included in mean.

UNIFORM GROUP VIII

2007

Uniform Group VIII nurseries were planted in 11 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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	(Coker Co82-622 x Howard) x RR	
2. G04-G2261RR	G93-2225(6) X RR	BC6
3. Au02-2814	NC-Raleigh x G92-1110	
4. Au02-3223	NC-Raleigh x G92-1110	
5. Au03-2801	Au94- 507 x G94-1572	
6. G03-2014 RR	G94-3117 X Boggs RR	F5d
7. G03-2388 RR	G94-3117 X Boggs RR	F5d
8. G03-2461 RR	G94-3117 X Boggs RR	F5d
9. G03-825 RR	G94-3117 X H7242 RR	F5d
10. G03-952 RR	G94-3117 X H7242 RR	F5d
11. N00-377	Au92-916 x N90-845	F4
12. N01-11424	NTCPR94-5157 X N96-6767	F4
13. N04-8801	N98-7893 x N96-6717	F4
14. N04-8803	N98-7893 x N96-6717	F4
15. N04-8826	N98-7893 x NTCPR93-646	F4
16. N04-8830	N98-7893 x NTC93PR-646	F4
17. N04-8866	NTCPR96-1215 x N96-6717	F4
18. N97-9612	N7001 x Cook	F4
19. SC01-803RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	F5
20. SC02-134RR	SC92-3091/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
21. SC03-061RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
22. SC03-062RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
23. SC03-168RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
24. SC03-173RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5

TABLE 79 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD❖			PROTEIN			OIL		
			2007	06-07	05-07	2007	06-07	05-07	2007	06-07	05-07
PRICHARD RR	16	16	45.1	46.4	42.7	42.0	42.3	42.9	21.2	19.8	19.7
G04-G2261RR	10	11	46.9	49.1	.	41.2	41.5	.	20.8	19.8	.
Au02-2814	1	7	51.1	53.0	.	37.2	37.6	.	23.2	22.2	.
Au02-3223	3	8	49.1	51.5	.	39.4	39.4	.	21.7	20.6	.
Au03-2801	14	13	46.2	.	.	38.8	.	.	21.3	.	.
G03-2014 RR	6	9	47.8	.	.	41.2	.	.	21.0	.	.
G03-2388 RR	5	8	48.1	.	.	42.2	.	.	20.3	.	.
G03-2461 RR	11	11	46.7	.	.	42.5	.	.	21.0	.	.
G03-825 RR	4	9	48.4	49.7	.	39.9	40.2	.	21.0	20.0	.
G03-952 RR	9	12	46.9	47.7	44.6	41.4	41.9	42.2	21.9	21.1	21.2
N00-377	12	10	46.7	49.8	.	39.9	40.3	.	22.1	21.1	.
N01-11424	20	15	43.7	.	.	41.0	.	.	20.0	.	.
N04-8801	18	15	44.5	.	.	39.1	.	.	20.3	.	.
N04-8803	21	16	43.7	.	.	39.2	.	.	21.4	.	.
N04-8826	23	18	41.1	.	.	40.1	.	.	20.4	.	.
N04-8830	22	21	41.5	.	.	40.1	.	.	21.5	.	.
N04-8866	24	19	40.5	.	.	40.9	.	.	20.8	.	.
N97-9612	7	9	47.2	50.3	46.8	39.2	39.9	40.7	19.8	19.1	19.1
SC01-803RR	15	13	46.2	48.3	44.9	42.9	43.1	43.7	21.2	19.9	19.9
SC02-134RR	17	16	44.7	46.2	.	43.8	43.5	.	21.5	20.5	.
SC03-061RR	13	11	46.5	.	.	38.1	.	.	23.2	.	.
SC03-062RR	2	7	49.7	.	.	37.7	.	.	22.9	.	.
SC03-168RR	8	11	47.2	.	.	41.0	.	.	21.2	.	.
SC03-173RR	19	18	44.4	.	.	40.6	.	.	21.8	.	.

❖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
PRICHARD RR	11/01	1.9	38	1.5	14.1			
G04-G2261RR	3-	1.4	33	1.8	15.6	P	T	T
Au02-2814	2-	1.8	35	1.9	14.7	W	T	
Au02-3223	1-	1.8	35	1.9	16.2	W	T	
Au03-2801	3-	1.4	34	1.7	16.7			
G03-2014 RR	2-	1.7	39	1.6	13.6	W	G	T
G03-2388 RR	1+	1.8	38	1.6	17.2	W	G	T
G03-2461 RR	1+	2.1	38	1.7	16.1	W	T	T
G03-825 RR	2-	1.4	34	1.6	16.0	P	G	T
G03-952 RR	1-	1.6	35	1.9	17.3	W	G	T
N00-377	2+	1.2	31	1.8	17.7	P	G	
N01-11424	1+	1.4	31	1.8	15.9	W	G	
N04-8801	2-	1.9	37	1.6	19.5	P	G	
N04-8803	2-	1.4	35	1.6	21.8	P	G	
N04-8826	1+	1.6	35	1.6	21.0	P	G	
N04-8830	0	1.2	30	1.5	18.9	P	G	
N04-8866	3-	1.9	31	1.9	24.1	P	G	
N97-9612	2-	1.6	34	1.7	16.2	P	G	
SC01-803RR	1-	1.1	36	1.7	16.9	W	G	
SC02-134RR	2-	1.4	35	1.6	16.6	P	T	
SC03-061RR	1-	1.6	35	1.7	15.9	W	G	
SC03-062RR	0	1.9	33	1.7	15.7	W	G	
SC03-168RR	0	1.9	40	1.7	17.9	W	T	
SC03-173RR	0	1.8	36	1.8	15.8	W	G	

TABLE 79 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	PRK	SRK	SMV	SMV	SC	SC
	1.2.7	0	1.3.5.6.7						
PRICHARD RR	2	1	4	4.8	1.0	R	R	R	1
G04-G2261RR	3	1	5	3.8	1.3	S	R	R	1
Au02-2814	3	3	5	5.0	1.3	SEG	R	R	1
Au02-3223	3	2	5	4.5	1.5	SEG	S	R	1
Au03-2801	2	4	5	5.0	1.0	S	R	S	5
G03-2014 RR	2	1	5	4.0	1.0	S	S	R	1
G03-2388 RR	3	1	5	2.3	1.0	S	S	S	5
G03-2461 RR	3	1	5	4.0	1.0	S	R	R	1
G03-825 RR	3	1	5	2.8	1.0	S	R	R	1
G03-952 RR	4	1	5	4.5	1.0	S	R	S	5
N00-377	4	3	5	4.8	3.5	R	R	R	1
N01-11424	3	4	5	4.8	5.0	S	R	R	1
N04-8801	4	3	5	5.0	5.0	R	R	S	5
N04-8803	4	2	4	5.0	4.0	SEG	R	S	5
N04-8826	3	2	4	5.0	5.0	RES	R	S	5
N04-8830	4	4	5	5.0	5.0	SEG	R	S	5
N04-8866	4	2	4	5.0	5.0	SEG	R	SS	3
N97-9612	4	1	3	5.0	1.8	S	R	S	5
SC01-803RR	3	2	4	5.0	1.5	S	R	MR	2
SC02-134RR	3	2	4	5.0	1.5	R	R	R	1
SC03-061RR	4	3	5	4.8	5.0	S	R	R	1
SC03-062RR	3	4	5	5.0	5.0	S	R	R	1
SC03-168RR	3	1	4	5.0	1.5	SEG	R	R	1
SC03-173RR	2	1	5	4.5	2.0	S	R	R	1

TABLE 80 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	31.5
G04-G2261RR	23.2
Au02-2814	43.6
Au02-3223	39.4
Au03-2801	39.9
G03-2014 RR	32.5
G03-2388 RR	32.9
G03-2461 RR	33.1
G03-825 RR	40.3
G03-952 RR	27.6
N00-377	34.9
N01-11424	33.2
N04-8801	35.6
N04-8803	36.3
N04-8826	35.8
N04-8830	26.7
N04-8866	31.5
N97-9612	37.1
SC01-803RR	33.0
SC02-134RR	31.0
SC03-061RR	34.0
SC03-062RR	42.4
SC03-168RR	28.9
SC03-173RR	27.5
LOCATION MEAN	33.8
L.S.D. (0.05)	7.0
C.V. (%)	12.5

TABLE 80 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	50.9	28.6	43.2	61.2	48.6	39.1	25.9	49.8	47.8
G04-G2261RR	53.3	29.0	37.0	69.4	54.9	38.1	25.4	51.5	51.6
Au02-2814	45.3	26.0	30.0	76.6	58.2	45.9	28.5	57.0	52.6
Au02-3223	51.4	27.9	38.6	69.5	55.3	43.9	26.3	51.0	51.0
Au03-2801	43.9	26.6	41.9	65.0	49.9	45.0	22.8	52.1	47.5
G03-2014 RR	53.5	29.8	27.9	64.6	53.7	39.3	24.9	52.6	50.8
G03-2388 RR	51.5	31.4	38.7	68.0	51.9	44.3	30.4	53.2	51.2
G03-2461 RR	48.0	32.8	39.2	62.6	52.1	39.7	25.4	51.7	49.4
G03-825 RR	53.7	27.4	43.3	67.1	49.4	30.3	16.5	52.6	50.0
G03-952 RR	50.4	28.6	38.4	65.6	52.7	36.5	19.3	56.5	50.8
N00-377	35.5	32.0	34.5	75.5	55.2	35.9	23.9	47.0	49.0
N01-11424	37.6	29.6	44.2	66.3	51.1	45.7	26.8	44.6	45.8
N04-8801	39.8	32.7	34.8	61.7	50.4	44.5	22.7	46.5	46.2
N04-8803	43.4	29.8	44.9	64.4	45.3	36.6	21.9	42.7	45.1
N04-8826	34.4	20.9	31.2	67.3	48.7	28.1	21.8	39.7	42.2
N04-8830	39.5	27.1	21.5	63.4	48.4	35.5	22.1	43.6	44.4
N04-8866	27.8	22.1	37.3	64.0	52.4	34.8	17.4	45.1	42.3
N97-9612	41.2	29.5	40.9	70.9	55.7	40.6	22.4	49.0	49.2
SC01-803RR	50.5	30.3	38.1	64.1	50.7	40.8	22.1	48.6	48.8
SC02-134RR	47.6	29.4	38.8	64.1	48.3	37.9	17.5	48.1	47.5
SC03-061RR	45.2	31.7	45.9	69.9	52.8	38.8	20.1	45.3	49.0
SC03-062RR	51.4	25.4	43.2	71.9	54.3	44.6	23.2	52.8	51.2
SC03-168RR	49.5	29.3	36.4	72.4	51.3	38.2	26.4	51.6	50.8
SC03-173RR	50.3	26.8	35.2	64.0	47.6	31.1	23.0	49.9	47.7
LOCATION MEAN	45.7	28.5	37.7	67.1	51.6	39.0	23.2	49.3	48.4
L.S.D. (0.05)	7.8	6.4	10.7	5.9	7.1	10.5	6.8	7.9	4.9
C.V. (%)	10.4	13.6	17.3	5.3	8.3	16.4	17.7	9.7	10.9

❖Data not included in mean.

No data reported for Delta and West areas.

TABLE 81 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	OIL PERCENTAGES									MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	22.2	21.1	21.4	21.4	.	20.2	21.1	21.6	.	21.2
G04-G2261RR	22.0	20.6	21.0	20.2	.	20.4	20.1	20.6	.	20.8
Au02-2814	24.3	21.9	22.8	24.0	.	22.7	21.3	24.4	.	23.2
Au02-3223	21.5	21.4	21.4	22.4	.	21.6	21.9	22.1	.	21.7
Au03-2801	21.9	20.4	22.0	20.8	.	21.9	21.4	22.0	.	21.3
G03-2014 RR	21.4	20.1	21.2	22.5	.	20.1	19.8	21.0	.	21.0
G03-2388 RR	20.6	18.9	19.7	21.1	.	20.6	19.7	19.9	.	20.3
G03-2461 RR	21.7	19.2	20.8	21.8	.	21.2	20.1	21.5	.	21.0
G03-825 RR	21.5	20.9	20.4	20.9	.	20.7	19.4	19.2	.	21.0
G03-952 RR	21.5	22.1	22.6	21.8	.	22.2	22.9	22.5	.	21.9
N00-377	23.0	21.9	22.8	21.4	.	22.1	21.2	21.2	.	22.1
N01-11424	21.0	19.4	19.1	19.9	.	19.8	19.3	20.2	.	20.0
N04-8801	20.6	19.0	19.5	21.0	.	20.4	19.9	19.5	.	20.3
N04-8803	20.9	20.4	20.3	22.5	.	21.9	21.7	21.2	.	21.4
N04-8826	20.7	19.1	20.4	21.1	.	20.8	19.8	20.2	.	20.4
N04-8830	22.0	20.4	21.9	21.4	.	22.2	23.3	22.0	.	21.5
N04-8866	21.0	19.7	20.3	21.1	.	21.4	20.4	20.1	.	20.8
N97-9612	20.6	19.5	19.7	19.2	.	19.9	19.7	20.0	.	19.8
SC01-803RR	22.0	20.6	19.9	21.0	.	21.2	19.8	20.6	.	21.2
SC02-134RR	22.8	21.0	22.0	21.0	.	21.0	20.6	22.6	.	21.5
SC03-061RR	23.4	22.0	22.1	23.5	.	23.7	23.2	23.1	.	23.2
SC03-062RR	23.1	22.3	21.6	23.6	.	22.4	22.4	22.7	.	22.9
SC03-168RR	21.7	20.9	21.3	21.1	.	21.2	20.5	21.3	.	21.2
SC03-173RR	22.4	21.5	22.6	21.6	.	21.6	21.6	22.3	.	21.8

❖Data not included in mean.

TABLE 81 ~ Continued

STRAIN/ VARIETY	PROTEIN PERCENTAGES									MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	39.0	41.1	37.4	45.0	.	42.9	43.7	42.2	.	42.0
G04-G2261RR	38.1	41.3	37.6	43.5	.	41.9	43.2	42.2	.	41.2
Au02-2814	35.0	36.9	35.5	38.7	.	38.0	40.6	38.3	.	37.2
Au02-3223	38.0	38.4	37.2	41.3	.	39.8	40.6	39.4	.	39.4
Au03-2801	36.1	37.7	31.8	44.8	.	36.6	38.5	38.1	.	38.8
G03-2014 RR	40.8	41.9	35.5	38.7	.	43.3	42.4	41.3	.	41.2
G03-2388 RR	40.4	42.1	40.2	43.8	.	42.5	43.5	41.9	.	42.2
G03-2461 RR	40.5	42.8	39.3	43.1	.	43.5	42.7	40.9	.	42.5
G03-825 RR	38.0	38.6	37.1	41.3	.	41.5	41.2	41.1	.	39.9
G03-952 RR	39.3	40.6	38.3	43.3	.	42.5	42.2	41.2	.	41.4
N00-377	37.5	38.8	35.8	42.0	.	41.4	42.4	40.8	.	39.9
N01-11424	39.4	41.4	39.8	42.0	.	41.0	42.5	41.3	.	41.0
N04-8801	37.5	39.2	38.1	40.6	.	39.2	40.6	40.6	.	39.1
N04-8803	38.1	39.2	39.0	39.8	.	39.8	39.6	40.0	.	39.2
N04-8826	38.3	39.7	37.3	41.7	.	40.5	41.9	41.3	.	40.1
N04-8830	38.8	39.5	36.7	41.2	.	41.0	46.8	40.7	.	40.1
N04-8866	39.3	41.5	39.9	41.8	.	41.1	42.8	41.7	.	40.9
N97-9612	33.9	40.7	39.5	42.2	.	39.8	42.4	41.4	.	39.2
SC01-803RR	40.0	42.7	40.8	46.0	.	43.0	43.8	42.4	.	42.9
SC02-134RR	41.1	42.3	40.0	47.6	.	44.3	43.7	43.5	.	43.8
SC03-061RR	36.2	37.2	35.5	40.9	.	38.0	39.2	39.5	.	38.1
SC03-062RR	36.5	37.5	36.3	38.7	.	38.2	40.0	38.9	.	37.7
SC03-168RR	38.8	40.0	38.7	43.5	.	41.6	42.4	41.1	.	41.0
SC03-173RR	38.1	39.4	36.3	43.0	.	42.0	41.3	40.1	.	40.6

❖Data not included in mean.

TABLE 81 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED									MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	14.0	15.0	12.0	17.2	12.9	12.8	12.3	10.9	12.9	14.1
G04-G2261RR	15.7	15.4	14.0	17.4	13.9	15.2	13.2	11.2	15.8	15.6
Au02-2814	16.0	14.3	12.0	16.4	14.0	14.1	13.8	12.4	13.4	14.7
Au02-3223	16.7	16.1	14.0	18.3	15.5	16.0	14.4	12.3	14.9	16.2
Au03-2801	17.0	16.5	14.0	18.8	15.6	16.4	15.1	12.7	16.0	16.7
G03-2014 RR	14.9	13.9	12.0	14.7	12.7	13.1	12.6	11.0	12.1	13.6
G03-2388 RR	18.1	17.8	16.0	18.8	15.6	16.7	16.4	13.1	15.8	17.2
G03-2461 RR	18.0	18.0	16.0	17.2	15.6	14.5	15.0	13.7	13.4	16.1
G03-825 RR	17.0	16.7	14.0	17.8	14.4	15.0	14.1	12.1	15.1	16.0
G03-952 RR	17.8	18.0	16.0	19.4	15.0	17.2	15.5	13.0	16.2	17.3
N00-377	16.0	17.4	16.0	21.8	16.4	18.7	15.5	13.6	16.1	17.7
N01-11424	17.0	17.0	18.0	16.8	14.4	16.0	16.4	13.7	14.4	15.9
N04-8801	21.4	20.6	20.0	20.9	18.6	18.9	17.9	13.5	16.5	19.5
N04-8803	24.0	22.0	20.0	25.0	18.8	21.2	18.9	14.5	19.9	21.8
N04-8826	24.1	19.9	16.0	23.5	19.3	20.3	17.8	14.2	18.8	21.0
N04-8830	20.3	16.8	16.0	20.1	18.4	19.7	17.2	13.1	17.9	18.9
N04-8866	26.9	23.6	22.0	21.3	24.1	25.4	21.4	17.4	23.3	24.1
N97-9612	17.0	16.5	16.0	18.3	13.2	16.5	15.6	12.9	15.4	16.2
SC01-803RR	17.8	17.5	18.0	18.6	14.9	16.8	15.0	12.6	15.8	16.9
SC02-134RR	18.4	16.0	16.0	18.6	15.5	16.2	14.1	11.9	14.9	16.6
SC03-061RR	17.2	16.5	16.0	17.4	13.8	15.8	14.5	12.0	14.7	15.9
SC03-062RR	17.3	15.9	14.0	16.8	14.4	15.3	14.2	12.7	14.3	15.7
SC03-168RR	18.6	18.6	16.0	21.5	15.9	16.8	15.4	10.9	16.3	17.9
SC03-173RR	15.9	15.9	12.0	18.7	14.7	15.2	12.3	13.0	14.4	15.8

❖Data not included in mean.

TABLE 82 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN PRICHARD RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	11/06
G04-G2261RR	-1
Au02-2814	-1
Au02-3223	-1
Au03-2801	-2
G03-2014 RR	-2
G03-2388 RR	4
G03-2461 RR	0
G03-825 RR	-1
G03-952 RR	0
N00-377	2
N01-11424	2
N04-8801	-1
N04-8803	-3
N04-8826	1
N04-8830	1
N04-8866	-1
N97-9612	-4
SC01-803RR	0
SC02-134RR	-1
SC03-061RR	2
SC03-062RR	1
SC03-168RR	-3
SC03-173RR	3

TABLE 82 ~ Continued

STRAIN/ VARIETY	SOUTH								
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	MEAN
PRICHARD RR	10/31	11/07	11/09	11/01	.	11/01	11/02	10/24	10/31
G04-G2261RR	-6	-5	-3	-5	.	-6	-5	-1	-4
Au02-2814	-3	-6	-7	-2	.	-6	-6	-2	-3
Au02-3223	0	-2	-4	-3	.	-3	-4	0	-1
Au03-2801	-3	-3	-3	-6	.	-4	-6	-1	-3
G03-2014 RR	0	-3	-6	-6	.	-4	-6	0	-2
G03-2388 RR	0	1	1	-3	.	0	-1	0	0
G03-2461 RR	0	2	1	-2	.	0	-1	2	1
G03-825 RR	0	-4	-1	-5	.	0	0	0	-2
G03-952 RR	-1	-2	-4	-4	.	-5	-4	0	-1
N00-377	-1	-1	0	2	.	-2	0	5	1
N01-11424	-1	0	-2	-1	.	-2	-4	3	1
N04-8801	-1	-4	-1	-4	.	-5	-1	-1	-2
N04-8803	-1	-4	-1	-6	.	-5	-4	1	-2
N04-8826	2	-2	0	-1	.	-3	-1	1	0
N04-8830	0	-2	0	-3	.	-3	-1	2	-1
N04-8866	-2	-10	-4	-4	.	-5	-7	2	-3
N97-9612	-2	-3	-2	-2	.	-5	-4	0	-1
SC01-803RR	-2	-1	-2	-3	.	-4	-4	1	-1
SC02-134RR	-2	-4	-5	-5	.	-4	-4	0	-2
SC03-061RR	-1	-3	0	-5	.	-4	-1	0	-2
SC03-062RR	0	-4	0	-1	.	-3	0	0	-1
SC03-168RR	-1	-2	0	-1	.	-3	-4	3	0
SC03-173RR	0	-2	-3	-3	.	-4	-4	-1	-1

❖Data not included in mean.

TABLE 83 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	32
G04-G2261RR	31
Au02-2814	34
Au02-3223	34
Au03-2801	36
G03-2014 RR	36
G03-2388 RR	39
G03-2461 RR	40
G03-825 RR	35
G03-952 RR	32
N00-377	30
N01-11424	34
N04-8801	37
N04-8803	35
N04-8826	35
N04-8830	27
N04-8866	32
N97-9612	34
SC01-803RR	35
SC02-134RR	37
SC03-061RR	34
SC03-062RR	35
SC03-168RR	35
SC03-173RR	34

TABLE 83 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	40	31	32	47	36	37	19	43	39
G04-G2261RR	37	25	28	40	29	31	19	37	34
Au02-2814	37	28	30	43	31	33	18	38	35
Au02-3223	38	28	31	41	29	35	17	39	35
Au03-2801	35	28	33	39	26	34	19	37	33
G03-2014 RR	42	31	32	47	35	39	20	43	40
G03-2388 RR	38	32	37	45	32	40	25	43	38
G03-2461 RR	40	31	35	46	32	37	19	39	38
G03-825 RR	38	26	29	40	28	32	15	38	34
G03-952 RR	40	30	29	40	32	34	16	35	35
N00-377	34	20	29	39	28	30	18	33	31
N01-11424	33	27	30	42	22	30	18	30	31
N04-8801	39	31	34	44	29	35	18	41	37
N04-8803	38	30	30	39	30	30	17	39	35
N04-8826	35	30	32	40	30	32	18	39	35
N04-8830	33	26	26	36	28	30	16	32	31
N04-8866	33	27	27	35	28	30	14	31	31
N97-9612	35	25	28	42	29	32	16	37	34
SC01-803RR	36	26	27	45	34	35	31	38	36
SC02-134RR	36	25	31	41	32	29	15	39	35
SC03-061RR	35	27	27	44	34	34	18	35	35
SC03-062RR	34	23	31	39	34	33	15	35	33
SC03-168RR	45	32	38	44	39	39	20	43	40
SC03-173RR	38	30	33	45	33	35	20	39	37

❖Data not included in mean.

**TABLE 84 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII,
2007**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	1.7
G04-G2261RR	1.2
Au02-2814	2.2
Au02-3223	2.2
Au03-2801	2.0
G03-2014 RR	1.3
G03-2388 RR	1.8
G03-2461 RR	2.2
G03-825 RR	2.2
G03-952 RR	1.3
N00-377	1.3
N01-11424	1.2
N04-8801	1.8
N04-8803	1.3
N04-8826	2.0
N04-8830	1.0
N04-8866	2.0
N97-9612	1.2
SC01-803RR	1.5
SC02-134RR	1.7
SC03-061RR	1.8
SC03-062RR	1.8
SC03-168RR	1.2
SC03-173RR	1.8

TABLE 84 ~ Continued

STRAIN/ VARIETY	SOUTH								MEAN
	ATHENS GA(A)	ATHENS GA(B)	CLEMSON❖ SC	FAIRHOPE AL	PLAINS GA	TALLASSEE❖ AL(A)	TALLASSEE❖ AL(B)	TIFTON GA	
PRICHARD RR	2.3	1.0	1.8	3.0	2.0	1.0	1.0	1.7	2.0
G04-G2261RR	1.3	1.0	1.0	2.7	1.0	1.0	1.0	1.0	1.4
Au02-2814	2.0	1.0	1.3	3.0	1.3	1.0	1.0	1.3	1.7
Au02-3223	2.0	1.0	1.7	3.0	1.3	1.0	1.0	1.3	1.7
Au03-2801	1.3	1.0	2.2	2.0	1.3	1.0	1.0	1.0	1.3
G03-2014 RR	2.3	1.0	1.3	2.3	1.7	1.0	1.0	1.7	1.8
G03-2388 RR	2.3	1.0	2.7	2.7	1.3	1.0	1.0	1.3	1.7
G03-2461 RR	2.3	1.0	2.8	3.0	1.7	1.0	1.0	2.7	2.1
G03-825 RR	2.0	1.0	1.7	1.0	1.0	1.0	1.0	1.0	1.2
G03-952 RR	2.3	1.0	1.3	2.0	1.0	1.0	1.0	1.7	1.6
N00-377	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.1
N01-11424	1.7	1.0	2.2	2.3	1.3	1.0	1.0	1.0	1.5
N04-8801	2.0	1.0	2.2	3.3	2.0	1.0	1.0	1.3	1.9
N04-8803	2.0	1.0	1.0	1.7	1.7	1.0	1.0	1.0	1.5
N04-8826	1.7	1.0	2.0	2.0	1.7	1.0	1.0	1.3	1.5
N04-8830	1.7	1.0	1.0	1.7	1.0	1.0	1.0	1.0	1.3
N04-8866	4.3	1.0	1.7	2.0	1.0	1.0	1.0	1.0	1.9
N97-9612	2.3	1.0	1.3	2.7	1.0	1.0	1.0	1.7	1.7
SC01-803RR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.1
SC02-134RR	1.3	1.0	1.3	2.0	1.7	1.0	1.0	1.0	1.4
SC03-061RR	1.7	1.0	1.3	2.0	1.0	1.0	1.0	2.0	1.5
SC03-062RR	2.0	1.0	1.0	3.0	1.7	1.0	1.0	2.0	1.9
SC03-168RR	2.3	1.0	2.3	3.0	2.0	1.0	1.0	2.0	2.1
SC03-173RR	2.3	1.0	1.3	3.0	1.7	1.0	1.0	1.0	1.8

❖Data not included in mean.

TABLE 85 ~ SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2007

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	2.0
G04-G2261RR	2.0
Au02-2814	2.0
Au02-3223	2.0
Au03-2801	2.0
G03-2014 RR	2.0
G03-2388 RR	2.0
G03-2461 RR	2.0
G03-825 RR	1.5
G03-952 RR	2.0
N00-377	1.5
N01-11424	2.0
N04-8801	2.0
N04-8803	2.0
N04-8826	2.0
N04-8830	2.0
N04-8866	2.0
N97-9612	2.0
SC01-803RR	2.0
SC02-134RR	2.0
SC03-061RR	2.0
SC03-062RR	2.0
SC03-168RR	2.0
SC03-173RR	2.0

TABLE 85 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS	ATHENS	FAIRHOPE	PLAINS	TALLASSEE❖	TALLASSEE❖	TIFTON	MEAN
	GA(A)	GA(B)	AL	GA	AL(A)	AL(B)	GA	
PRICHARD RR	1.7	1.7	1.0	1.8	1.0	1.0	1.0	1.4
G04-G2261RR	1.5	1.7	2.0	1.8	1.0	1.0	1.8	1.8
Au02-2814	2.0	1.7	2.0	2.2	1.0	1.0	1.3	1.8
Au02-3223	2.3	2.0	1.5	2.0	1.0	1.0	1.3	1.8
Au03-2801	1.8	2.0	1.5	2.0	1.0	1.0	1.0	1.7
G03-2014 RR	2.0	1.8	1.0	1.5	1.0	1.0	1.2	1.5
G03-2388 RR	2.0	1.8	1.0	1.8	1.0	1.0	1.0	1.5
G03-2461 RR	2.0	2.0	1.0	2.0	1.0	1.0	1.3	1.7
G03-825 RR	2.0	1.7	1.0	1.8	1.0	1.0	1.3	1.6
G03-952 RR	2.2	2.0	1.5	2.3	1.0	1.0	1.3	1.9
N00-377	1.8	2.0	1.5	2.3	1.0	1.0	1.8	1.9
N01-11424	2.0	2.0	1.5	2.0	1.0	1.0	1.0	1.7
N04-8801	1.8	1.7	1.0	2.0	1.0	1.0	1.2	1.5
N04-8803	2.0	1.7	1.0	1.8	1.0	1.0	1.0	1.5
N04-8826	2.0	1.7	1.0	1.8	1.0	1.0	1.2	1.5
N04-8830	1.8	1.7	1.0	1.7	1.0	1.0	1.0	1.4
N04-8866	2.0	2.0	1.5	2.0	1.0	1.0	1.8	1.9
N97-9612	1.8	1.8	1.5	2.0	1.0	1.0	1.2	1.7
SC01-803RR	1.7	1.7	1.5	1.8	1.0	1.0	1.3	1.6
SC02-134RR	1.7	1.7	1.0	1.7	1.0	1.0	1.5	1.5
SC03-061RR	2.0	1.8	1.0	2.0	1.0	1.0	1.2	1.6
SC03-062RR	2.0	1.8	1.0	2.0	1.0	1.0	1.2	1.6
SC03-168RR	1.8	1.7	1.0	2.0	1.0	1.0	1.7	1.6
SC03-173RR	2.0	1.7	1.0	2.2	1.0	1.0	2.2	1.8

❖Data not included in mean.

PRELIMINARY GROUP VIII**2007**

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, 2007

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	(Coker Co82-622 x Howard) x RR	
2. G04-G2261RR	G93-2225(6) X RR	BC6
3. Au03-0137	NC-Roy x G92-1110	
4. Au03-2811	Au94-507 x G94-1572	
5. Au04-2306	G94-1917 x G94-1573	
6. G04-1618 RR	PRICHARD-RR X SC96-1476	F5d
7. G04-2656 RR	G96-2272 X BENNING-RR	F5d
8. G04-2836 RR	BOGGS-RR X G93-2225	F6d
9. G04-2913 RR	BOGGS-RR X G93-2225	F6d
10. G04-3167 RR	BOGGS-RR X G93-2225	F6d
11. G04-3248 RR	BOGGS-RR X G93-2225	F6d
12. G05-88 RR	G96-2272(3) RR	F5d
13. N02-8718	N95-7391 (Y X Fuku) X N95-7409 (Y X Fuku)	
14. N04-8814	N98-7893 x N93-7133	
15. N04-8884	NTCPR96-1215 x NTCPR93-646	
16. N05-7085	N94-7350 x N96-6717	
17. N05-7432	N97-9658 x N98-7265	
18. SC04-128	[MAXCY(4)/N565]/{MAXCY(2)/[(MAXCY/N474)/N94-199]}	F5
19. SC04-188	MOTTE/{MAXCY/[(MAXCY/N474)/N94-199]}	F5
20. SC04-297RR	SC94-1075/SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
21. SC04-306RR	SC94-1075/SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5
22. SC04-362RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
23. SC04-390RR	N95-614/(SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]})	F5
24. SC04-615RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIKRR)]})	F5
25. SC04-83	MAXCY(5)/N474	F5

TABLE 88 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
PRICHARD RR	33.3	37.2	29.5	44.5	36.5	36.1
G04-G2261RR	29.8	32.0	29.2	49.3	41.5	35.1
Au03-0137	34.7	36.3	32.9	49.5	35.7	38.4
Au03-2811	23.7-	28.3-	36.5	48.3	38.1	34.2
Au04-2306	31.5	33.2	33.1	51.9+	37.8	37.4
G04-1618 RR	35.4	32.6	31.7	59.0+	31.4	39.7
G04-2656 RR	31.5	31.8	30.0	56.4+	35.5	37.4
G04-2836 RR	30.9	29.5-	26.6	54.6+	40.9	35.4
G04-2913 RR	39.6	29.2-	30.6	51.3+	37.8	37.7
G04-3167 RR	28.1	34.1	29.2	53.5+	25.8	36.2
G04-3248 RR	29.2	33.0	34.1	54.6+	38.3	37.8
G05-88 RR	35.7	30.1-	26.1	46.9	38.1	34.7
N02-8718	22.9-	23.6-	32.0	44.4	31.7	30.7-
N04-8814	26.7	30.1-	35.4	52.7+	32.7	36.2
N04-8884	24.4-	26.7-	28.5	48.3	27.8	32.0
N05-7085	23.6-	29.6-	31.8	48.0	22.3-	33.3
N05-7432	33.8	33.2	41.2+	50.8+	38.6	39.8
SC04-128	31.7	25.7-	34.6	41.1	35.4	33.3
SC04-188	26.9	30.0-	29.3	35.8-	21.7-	30.5-
SC04-297RR	33.0	29.1-	32.3	48.0	31.0	35.6
SC04-306RR	30.0	24.9-	29.7	54.1+	28.0	34.7
SC04-362RR	32.4	29.2-	29.4	47.6	35.5	34.7
SC04-390RR	26.9	28.9-	27.5	51.0+	28.5	33.6
SC04-615RR	28.9	32.0	29.4	46.5	29.7	34.2
SC04-83	29.1	31.6	30.3	38.4-	30.2	32.4
LOCATION MEAN	30.1	30.5	31.2	49.1	33.2	35.2
L.S.D. (0.05)	7.6	7.1	7.6	6.0	11.5	5.4
C.V. (%)	15.3	14.2	14.5	7.4	21.1	10.8

❖Data not included in mean.

TABLE 89 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII,2007

STRAIN/ VARIETY	BLACKVILLE	TALLASSEE❖	MEAN
	SC(A)	AL(A)	
PRICHARD RR	19.8	20.3	19.8
G04-G2261RR	20.3	19.5	20.3
Au03-0137	21.0	20.5	21.0
Au03-2811	21.2	22.0	21.2
Au04-2306	18.3	18.6	18.3
G04-1618 RR	20.7	20.7	20.7
G04-2656 RR	20.9	20.0	20.9
G04-2836 RR	20.0	19.6	20.0
G04-2913 RR	19.6	19.8	19.6
G04-3167 RR	20.6	21.2	20.6
G04-3248 RR	19.1	20.3	19.1
G05-88 RR	21.4	21.5	21.4
N02-8718	20.8	20.1	20.8
N04-8814	21.5	20.4	21.5
N04-8884	21.7	21.4	21.7
N05-7085	20.4	19.8	20.4
N05-7432	19.8	20.8	19.8
SC04-128	21.0	20.1	21.0
SC04-188	21.4	21.4	21.4
SC04-297RR	22.1	21.8	22.1
SC04-306RR	22.6	21.5	22.6
SC04-362RR	21.7	21.1	21.7
SC04-390RR	22.6	23.0	22.6
SC04-615RR	20.4	19.8	20.4
SC04-83	20.3	20.0	20.3

❖Data not included in mean.

TABLE 90 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	BLACKVILLE	TALLASSEE❖	MEAN
	SC(A)	AL(A)	
PRICHARD RR	42.4	44.4	42.4
G04-G2261RR	42.2	44.0	42.2
Au03-0137	38.4	40.7	38.4
Au03-2811	39.9	40.9	39.9
Au04-2306	40.9	41.7	40.9
G04-1618 RR	40.3	42.2	40.3
G04-2656 RR	39.9	42.5	39.9
G04-2836 RR	43.1	45.0	43.1
G04-2913 RR	43.6	44.4	43.6
G04-3167 RR	42.9	44.2	42.9
G04-3248 RR	41.4	41.8	41.4
G05-88 RR	39.5	40.2	39.5
N02-8718	41.6	44.3	41.6
N04-8814	41.4	43.0	41.4
N04-8884	39.3	41.3	39.3
N05-7085	39.9	41.1	39.9
N05-7432	40.9	41.8	40.9
SC04-128	40.9	42.9	40.9
SC04-188	41.3	41.0	41.3
SC04-297RR	43.0	42.9	43.0
SC04-306RR	39.7	42.8	39.7
SC04-362RR	40.5	42.5	40.5
SC04-390RR	38.7	40.9	38.7
SC04-615RR	42.4	43.9	42.4
SC04-83	40.3	43.2	40.3

❖Data not included in mean.

TABLE 91 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
PRICHARD RR	13.8	14.0	13.0	13.8	12.4	13.6
G04-G2261RR	14.9	14.0	14.7	14.9	12.8	14.6
Au03-0137	13.1	12.0	13.5	13.1	12.5	12.9
Au03-2811	16.1	14.0	14.5	14.7	14.8	14.8
Au04-2306	15.5	12.0	15.1	16.2	14.8	14.7
G04-1618 RR	14.1	12.0	12.9	14.0	12.9	13.2
G04-2656 RR	17.3	12.0	15.9	16.7	15.2	15.5
G04-2836 RR	14.6	12.0	13.3	13.1	12.0	13.3
G04-2913 RR	13.8	12.0	14.2	13.6	12.2	13.4
G04-3167 RR	15.3	12.0	13.7	13.2	12.6	13.5
G04-3248 RR	15.5	12.0	14.2	12.9	11.7	13.7
G05-88 RR	15.5	12.0	13.3	14.9	13.2	13.9
N02-8718	23.0	22.0	19.4	22.0	20.0	21.6
N04-8814	18.5	16.0	16.4	16.9	16.8	16.9
N04-8884	22.1	20.0	20.5	21.4	19.7	21.0
N05-7085	20.5	22.0	20.7	20.0	17.9	20.8
N05-7432	16.5	12.0	14.7	14.2	15.0	14.3
SC04-128	16.9	16.0	17.2	16.9	15.8	16.8
SC04-188	16.7	16.0	14.6	17.1	13.8	16.1
SC04-297RR	16.6	16.0	15.3	15.8	13.2	15.9
SC04-306RR	17.1	14.0	14.3	14.5	13.6	15.0
SC04-362RR	15.7	12.0	14.2	13.3	13.6	13.8
SC04-390RR	14.9	12.0	12.5	13.9	14.1	13.3
SC04-615RR	15.8	16.0	14.3	14.4	12.7	15.1
SC04-83	16.3	14.0	14.9	16.1	14.3	15.3

❖Data not included in mean.

TABLE 92 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
PRICHARD RR	35	39	36	34	35	36
G04-G2261RR	33	35	30	31	30	32
Au03-0137	36	33	35	27	28	33
Au03-2811	34	35	36	34	33	35
Au04-2306	33	34	33	33	31	33
G04-1618 RR	32	32	33	30	29	32
G04-2656 RR	36	38	34	34	34	36
G04-2836 RR	33	36	34	32	33	34
G04-2913 RR	36	35	32	32	33	34
G04-3167 RR	36	37	35	30	30	34
G04-3248 RR	34	35	34	33	33	34
G05-88 RR	35	35	35	30	32	34
N02-8718	42	41	39	32	37	38
N04-8814	32	32	32	28	31	31
N04-8884	35	34	33	27	32	32
N05-7085	30	30	33	28	27	30
N05-7432	30	33	31	28	29	31
SC04-128	35	35	36	29	33	34
SC04-188	31	30	30	25	25	29
SC04-297RR	34	38	34	32	31	35
SC04-306RR	30	30	38	32	31	33
SC04-362RR	34	38	35	32	29	35
SC04-390RR	33	38	36	33	33	35
SC04-615RR	40	39	37	35	36	38
SC04-83	33	32	31	30	31	31

❖Data not included in mean.

TABLE 93 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
PRICHARD RR	1.0	2.0	2.0	1.7	1.0	1.7
G04-G2261RR	1.0	2.0	1.8	1.0	1.0	1.4
Au03-0137	1.0	1.7	1.0	1.0	1.0	1.2
Au03-2811	1.0	2.0	1.8	1.0	1.0	1.4
Au04-2306	1.0	2.0	2.3	1.0	1.0	1.6
G04-1618 RR	1.0	1.3	2.0	1.3	1.0	1.4
G04-2656 RR	1.0	2.7	2.3	1.0	1.0	1.7
G04-2836 RR	1.0	2.3	1.5	1.0	1.0	1.5
G04-2913 RR	1.0	1.7	2.0	1.0	1.0	1.4
G04-3167 RR	1.0	1.3	1.0	1.0	1.0	1.1
G04-3248 RR	1.0	1.3	1.0	1.0	1.0	1.1
G05-88 RR	1.0	2.3	2.0	1.0	1.0	1.6
N02-8718	1.0	3.0	2.0	1.0	1.0	1.8
N04-8814	1.0	1.0	1.5	1.0	1.0	1.1
N04-8884	1.3	3.0	2.3	1.0	1.0	1.9
N05-7085	1.0	1.7	1.5	1.3	1.0	1.4
N05-7432	1.0	2.0	1.8	1.0	1.0	1.4
SC04-128	1.0	3.7	2.3	1.0	1.0	2.0
SC04-188	1.0	2.0	1.8	1.0	1.0	1.4
SC04-297RR	1.0	1.0	1.0	1.0	1.0	1.0
SC04-306RR	1.0	1.0	1.0	1.0	1.0	1.0
SC04-362RR	1.0	2.0	1.8	1.0	1.0	1.4
SC04-390RR	1.0	2.0	1.0	1.0	1.0	1.3
SC04-615RR	1.3	1.7	2.0	1.7	1.0	1.7
SC04-83	1.0	2.0	2.3	1.0	1.0	1.6

❖Data not included in mean.

TABLE 94 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2007

STRAIN/ VARIETY	ATHENS GA(A)	KINSTON NC	PLAINS GA	TALLASSEE❖ AL(A)	MEAN
PRICHARD RR	1.8	3.0	1.8	1.0	2.2
G04-G2261RR	1.7	2.5	2.0	1.0	2.1
Au03-0137	2.2	2.0	2.0	1.0	2.1
Au03-2811	2.2	2.0	2.0	1.0	2.1
Au04-2306	2.0	1.5	2.0	1.0	1.8
G04-1618 RR	1.8	2.0	1.7	1.0	1.8
G04-2656 RR	2.0	3.0	2.0	1.0	2.3
G04-2836 RR	1.8	2.0	1.5	1.0	1.8
G04-2913 RR	1.7	2.5	1.5	1.0	1.9
G04-3167 RR	2.0	2.0	1.7	1.0	1.9
G04-3248 RR	2.0	2.5	2.0	1.0	2.2
G05-88 RR	1.8	3.0	2.2	1.0	2.3
N02-8718	2.0	3.0	1.8	1.0	2.3
N04-8814	1.7	2.0	1.8	1.0	1.8
N04-8884	2.0	3.0	2.5	1.0	2.5
N05-7085	1.7	2.0	2.0	1.0	1.9
N05-7432	1.8	2.0	2.0	1.0	1.9
SC04-128	1.5	2.0	1.8	1.0	1.8
SC04-188	1.8	2.5	2.2	1.0	2.2
SC04-297RR	1.8	3.0	2.0	1.0	2.3
SC04-306RR	2.0	3.0	2.3	1.0	2.4
SC04-362RR	2.2	2.5	2.2	1.0	2.3
SC04-390RR	2.0	3.0	2.2	1.0	2.4
SC04-615RR	2.0	2.5	2.0	1.0	2.2
SC04-83	2.0	2.0	2.2	1.0	2.1

❖Data not included in mean.