

# UNIFORM SOYBEAN TESTS

## SOUTHERN STATES

### 2005

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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: AG 4201(RR), AG 4403 (RR), AG 4603 (RR), LN97-15076, AG 4903 (RR), 5002T, 5601T, AG 5501 (RR), Boggs RR, Dillon, NC-ROY, Benning, Haskell RR, Cook, 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.

## ACKNOWLEDGEMENTS

The cooperation of the following scientists is gratefully acknowledged for their ratings of the Uniform Test entries: Dr. Glenn Buss, Virginia Tech, Blacksburg, Virginia - soybean mosaic virus; Dr. Roger Boerma, University of Georgia, Athens, Georgia - root-knot nematode; Dr. Patricia Donald, USDA-ARS, Jackson, Tennessee - soybean cyst nematode; Dr. Mike Schmidt, Southern Illinois University, Carbondale, Illinois - soybean sudden death syndrome; and Jo Dean Sarins, National Center for Agricultural Utilization Research, USDA-ARS, Peoria, Illinois - protein and oil content.

The cooperation of Debbie Boykin, USDA-ARS, Stoneville, Mississippi, in the statistical analyses of the yield data from the Uniform Test Program and the assistance of Gary Shelton in processing and distributing the seed for the Uniform Tests is sincerely appreciated.

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

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## STRAIN DESIGNATION

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

- 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; NTC; NCC - North Carolina Agricultural Experiment Station and USDA-ARS
- R - Arkansas Agricultural Experiment Station
- S - Missouri Agricultural Experiment Station
- SC - South Carolina Agricultural Experiment Station, Clemson
- TN - Tennessee Agricultural Experiment Station
- TX - Texas Agricultural Experiment Station
- V - Virginia Agricultural Experiment Station, Virginia Tech
- VS - Virginia Agricultural Experiment Station, Virginia State University

## SOYBEAN NURSERY LOCATIONS

## EAST COAST

LOCATION	TEST						SOIL TYPE	ROW SPACING*
	IV-E	IV-L	V	VI	VII	VIII		
Queenstown, MD	P	UP	UP				Mattapeake silt loam	30
Georgetown, DE		U	U				Evesboro loamy sand	20
Warsaw, VA	P	UP	UP	U			Kempsville loam	30
Petersburg, VA				UP			Lynchburg fine sandy loam	30
Plymouth, NC	P	UP	UP	UP			Portsmouth silt loam	38
Jackson Springs, NC					P		Norfolk sandy loam	38
Kinston, NC					UP	UP	Stallings loamy sand	38
Florence, SC				U	U	UP	Goldsboro sandy loam	38

## SOUTHEAST

LOCATION	TEST						SOIL TYPE	ROW SPACING*
	IV-E	IV-L	V	VI	VII	VIII		
Blackville, SC(A)				U	UP	P	Faceville sandy loam	38
Blackville, SC(B)					U	U	Norfolk sandy loam	38
Tallassee, AL				UP	UP	2U P	Cahaba fine s. l.	30
Fairhope, AL				U	U	U	Malbis fine sandy loam	30
Tifton, GA				U	U	U	Tifton sandy loam	30

## UPPER AND CENTRAL SOUTH

LOCATION	TEST						SOIL TYPE	ROW SPACING*
	IV-E	IV-L	V	VI	VII	VIII		
Orange, VA	P	U	U				Starr silty clay loam	30
Clemson, SC				UP	U	U	Cecil sandy loam	38
Calhoun, GA				U	U		Rome gravelly clay loam	30
Athens, GA				UP	2U	U	Cecil coarse sand loam	30
Plains, GA					UP	UP	Greenville sandy clay loam	30
Belle Mina, AL			U	U			Decatur silt loam	36
Knoxville, TN	P	U	U				Sequatchie silt loam	30
Ullin, IL		UP	UP				Stoy silt loam	30
Princeton, KY		UP	U				Crider silt loam	30
Jackson, TN	P	P	P				Lexington silt loam	30
Starkville, MS		U	U	U			Leeper silty clay	30
Suffolk, VA			U				Lynchburg fine sandy loam	20
Springfield, TN	P	U	U				Sango silt loam	30

U - Uniform nursery grown

P - Preliminary nursery grown

\* - Inches

## SOYBEAN NURSERY LOCATIONS - Continued

## DELTA

LOCATION	TEST						SOIL TYPE	ROW SPACING*
	IV-E	IV-L	V	VI	VII	VIII		
Portageville, MO(A)	UP		UP				Tiptonville s. l.	30
Portageville, MO(B)	U		U				Sharkey clay	30
Keiser, AR	UP		UP				Sharkey clay	38
Marianna, AR	U						Loring silt loam	38
Pine Tree, AR	U		U	U			Calloway silt loam	36
Stoneville, MS	UP		UP	UP	P		Sharkey clay	24
Rohwer, AR				U			Perry clay	38

## WEST

LOCATION	TEST						SOIL TYPE	ROW SPACING*
	IV-E	IV-L	V	VI	VII	VIII		
McCune, KS		UP	UP				Parsons silt loam	30
Pittsburg, KS		UP	UP				Parsons silt loam	30
Bixby, OK	P	UP	UP	UP			Reinach silt loam	30
Stuttgart, AR	P	UP	UP	UP			Crowley silt loam	32
Bossier City, LA			U	U	U		Latanier silt loam	40
Prosper, TX	P	UP					Houston black clay	14
Alexandria, LA		U	U				Latanier silty clay loam	30
Bardwell, TX			UP					14
Beaumont, TX				UP			Morey silt clay	14

U - Uniform nursery grown

P - Preliminary nursery grown

\* - Inches

## METHODS

### CULTURAL PRACTICES

Most uniform nurseries were planted in four-row plots with three replications. The two middle rows were harvested. The preliminary nurseries were planted similarly with two replications. Row widths at the locations varied from 14 to 40 inches with the majority planted in 30 inch rows.

### 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 - 5002 T; PIV-S (E) - AG 4201; PIV-S (L) - 5002 T; UV and PV - 5601T; UVI and PVI - DILLON; UVII and PVII - BENNING; and UVIII and PVIII - PRICHARD RR.

**Yield.** After end trimming all plots, yields were measured by harvesting the middle row(s) of each plot. Actual seed weights were recorded after the seed of the strains had reached a uniform moisture content. Seed weights were converted to bushels per acre (60 lbs./bu.) by using the appropriate conversion factor for each location with respect to harvested plot size.

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

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

Factors considered in estimating seed quality were development of seed, wrinkling damage, and brightness. While the seed quality score indicates relative appearance of

seed for strains at one location, considerable differences can exist among factors responsible for the poorer grades at different locations. Seed size for each strain was determined from a composite sample from all replications at a location. Seed size is reported as grams per 100 seed.

**Oil and Protein.** Oil and protein percentages were determined from representative locations of the uniform and preliminary tests. A 50-g composite sample of each strain from all replications at a location was sent to the USDA-ARS, National Center for Agricultural Utilization Research at Peoria, Illinois for analysis. Two samples of 18-20 g of seed were analyzed for protein and oil composition with a Model 1255 Infratec NIRT food and feed grain analyzer. Analysis of the seed was conducted on an as is basis and then mathematically converted to a moisture-free basis for reporting.

## **PEST ASSESSMENT**

**Soybean Mosaic Virus (SMV).** Thirty seeds of each entry are planted in a single three-foot row in the field at Blacksburg, VA. Inoculation is done 3 to 4 weeks later using SMV strain G1. Inoculation method is described in Ma et. al. 1995. TAG 91:907-914. 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. Two seed of each soybean entry were planted in sterile soil, and there were two pots with three replications in time for a total of 6 pots used for the average rating. At the time of planting, 4,000 eggs of the race being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of female cysts observed on the roots with a microscope. The number of cysts for each soybean entry was compared to the average number of cysts on PI 548658 (Lee 74) using the relationship developed by Triantaphyllou (1975) to determine the female index:  $FI = (\text{average number of females on soybean entry} / \text{average number of females on PI 548658}) \times 100$ . The FI values were converted to a resistance rating as proposed by Schmitt and Shannon (1992): FI of 0-9% = resistant - (R), 10-30% = moderately resistant (MR), 31-60% = moderately susceptible (MS), >60% = susceptible (S).

In 2005, the HG Type of the populations was as follows: race 2 was HG Type 1.2.5.7, race 3 was HG Type 7, and race 14 was HG Type 1.3.5.7.

**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 86-26 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 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  $(DI \times DS) / 9$ . DX is reported.

## **STATISTICAL ANALYSES**

Yield data for each test at each location were analyzed by analysis of variance or nearest neighbors analysis (Athens, GA, Plains, GA, and all Kansas locations) to obtain the coefficient of variability (C.V.) and LSD ( $P = 0.05$ ) for that location. Locations with extremely high C.V.'s were not included in the combined analysis or in calculating the means across locations. The yield was then analyzed across all locations within a maturity group by analysis of variance. The means of the various traits were also calculated and are reported in this publication.

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 x D68-8847	D70-3001=same parentage as Centennial
D74-7741	Forrest x D70-3001	
D74-7824	Forrest x D70-3001	
D77-6103	Centennial x J74-49	
D79-6058	Tracy x Centennial	
D91-4657	Epps x Sharkey	
Dare (Exp. N59-6972)	Hill x D52-810	
Davis (Exp. R54-171-1)	D49-2573 x N45-1497	
Derry	[(Wilson (6) x Forrest) x (Perry x (Williams x PI 229358))] x Tracy M	
Dillon (Exp. SC84-931)	Centennial x Young	
Doles (Exp. G83-198)	D74-7741 x Young	
DR-1 = breeding line or unofficially released cultivar from Egypt. (pedigree unknown but traces to US materials).		
DT95-15091 (Rel. as Bolivar)	A5979 x DP3589	
DT96-6840	Hutcheson x Pioneer P9641	
Epps (Exp. D77-5090)	[Pickett 71(2) x (Dare(2) x PI 96983)] x J74-47	
Essex (Exp. V66-180)	Lee x S55-7075	
F76-8757	Centennial x [Forrest x (Cobb x D68-216)]	
F76-8846	Centennial x [Forrest x (Cobb x D68-216)]	
F77-1797	Centennial x Forrest x (Cobb x D68-216)	
F77-6903	Forrest x Cobb x D68-216	
F81-2815	Centennial x Cobb x Hood	
Forrest (Exp. D68-128)	Dyer x Bragg	
Fowler (Exp. J94-7)	Hartwig x Holladay	
G00-3880	G93-9201 x Cook	
G03-548RR	G95-346 x H7242 RR	
G03-695RR	G94-3117 x H7242 RR	
G03-G1126RR	G93-1749(6) x RR	
G03-G113169RR	G90-R1151E(5) x RR	
G80-1515	Pickett 71 x Bedford	
G81-152	D74-7741 x Coker 237	
G83-198 (Rel. as Doles)	D74-7741 x Young	
G83-559	D77-6103 x F77-6903	
G85-3343	PI 361064 x PI 407710	
G85-373	Gordon x Braxton	
G86-1434	D79-6058 x Twiggs	
G86-2734	PI 424195B x PI 361066A	
G87-1968	Thomas x Gordon	
G89-2223 (Rel. as Boggs)	G81-152 x Coker 6738	
G90-R1151E	Coker 82-622 x Howard	
G91-2244	F81-2815 x Colquitt	
G93-1749	G85-373 x Coker 6727	
G93-9201	G83-559 x G80-1515 (2) x PI 230977	
G94-3117	G86-1434 x Hagood	
G95-346	G86-1434 x G87-1968	
Gasoy 17	Bragg x Hood	
Govan (Exp. D66-8666)	Bragg x Semmes	
H7242 RR	Benning(4) x RR	
Hampton	Majos x Lee	Derived as a selection from Coker Hampton
Hampton 266	Selection from Hampton	
Hartwig (Exp. S88-2036)	Forrest(3) x PI 437654	
Haskell (Exp. G-84-3185)	Johnston x Braxton	
Hawkeye (Exp. A43-107 or 108)	Mukden x Richland	
Hill (Exp. D53-526)	D63-215 x D49-2525	
Holladay (Exp. N85-578)	N77-179 x 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 x D74-7824	
Md 01-709 RR	Md 95-5358 x Md92-5850 (2) x (Stressland x ResnikRR)	
Md 01-848 RR	Md 93-5581 x Manokin(3) x ResnikRR	
MD 4900 (Exp. Md 92-5769)	N85-578 x Ripley	
Md 83-5008 (Rel. as Manokin)	L70L-3048 x D74-7824	
Md 87-5669	L80-4349 x Egyptian	
Md 92-5769 (Rel. as MD 4900)	N85-578 x Ripley	
Md 92-5850	Hamilton x Bass	
Md 93-5298	Md 87-5669 x Edison	
Md 93-5581	LS 84-920 x Manokin	
MD 94-5332	Clifford x Corsica	
Md 94-5396	Ripley x Clifford	
Md 95-5358	S 88-19561 x Corsica	
MD83-5008 (Rel. as Manokin)	L70L-3048 x D74-7824	
N00-370	Au92-916 x N90-845	
N01-10974	N6201 x N95-7390	
N01-110665-1	N94-7460 x N7101	
N01-11136	NITCPR94-5157 x N96-7031	
N01-11777	Graham x N96-7031	
N01-11985	Graham x LG93-8169	
N02-7084	Cook x Anand	
N44-92	Haberlandt x Ogden	
N45-1497	Ralson x Ogden	
N45-745	Ogden x CNS	N45-745 is res to BP
N474	N88-431(2) x (N90-2013 X C1726)	
N48-1101	Roanoke x Ogden	
N48-1248	Roanoke x N45-745	
N48-1867	Roanoke x N45-745	
N55-3818	(N45-2994 x Ogden) x (N44-92 x N48-1867)	
N55-3831	(N45-2994 x Ogden) x (N44-92 x N48-1867)	
N55-5931	Roanoke x D49-2491	
N6201 (Exp. NITCPR92-40)	Young x Nakasennari	
N63-858	D58-3358 x D59-9289	
N64-2430 (Rel. as Ransom)	(N55-5931 x N55-381) x D56-1185	
N64-2451	(N55-5931 x N55-381) x D56-1185	sib of Ransom
N7001 (Exp. N90-7199)	N77-114 x PI 416937	
N70-1501	Dare x D65-6765	
N70-1549	Dare x D65-6765	grown in 1974
N70-2173	Hampton x Ransom	
N70-2205	Hampton x Ransom	
(N70-3001, N70-3010, N70-3019, N70-3432, N70-3433, N70-3436)	T260H(N69-2774) (ms1ms1) x PI 90406 x PI 92567	
N7101 (Exp. NITCPR92-100)	Vance x Jizuka	
N7102 (Exp. NITCPR92-115)	Vance x Jizuka	
N7103 (Exp. N94-7441)	NITCPR90-143 x Pearl	
N72-3213	D67-B5 x N64-2451 pedigree of N72-3213 in Buckshot and Clifford published in Crop Science is incorrect	
N72-40	D64-3253 x D65-3168	
N73-1102	Tracy x Ransom	
N73-520	Tracy x Ransom	
N73-538	Tracy x Ransom	
N73-693	D68-216 x Ransom	
N74-1572	Govan x Davis	
N77-114	Essex x N70-2173	
N77-1602	Hutton x N70-2205	
N77-179	N70-1549 x N72-3213	
N77-940	N70-1549 x Centennial	
N78-2245	N69-2774 (ms1ms1) x PI 90409 or PI92567 N78-2245 from recurrent sel. Program	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
N79-2077	N69-2774 (mslms1) × 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)	NITCPR90-143 × Pearl	
N94-7441 (Rel. as N7103)	NITCPR90-143 × Pearl	
N94-7460 (sib of N7103)	NITCPR90-143 × 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 × NITCPR93-283	
N99-8137	N7001 × Graham	
NC Roy	Holladay × Brim	
Northrup King S83-30 (Exp. Coker 82-622)		
NITCPR01-42	DR-1 × Brim	
NITCPR90-143	Gasoy × Vance	
NITCPR90-172 (Rel. as Pearl)	G80-1515 × Vance	
NITCPR92-100 (Rel. as N7101)	Vance × Jizuka	
NITCPR92-115 (Rel. as N7102)	Vance × Jizuka	
NITCPR92-40 (Rel. as N6201)	Young × Nakasennari	
NITCPR93-283	Young × Suzuyataka	
NITCPR94-5157	Davis × N73-1102	
Ogden	Tokyo × PI 54610	
Pearl (Exp. NITCPR90-172)	G80-1515 × Vance	
Perry (Exp. C612)	Patoka × L37-1355	
Prichard (Exp. G90-1551)	Coker Co 82-622 × Howard	

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

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

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
VS21-449	VS94-18 × Hutcheson	
VS22-451	Akiyoshi × VS95-76	
VS94-11	L760049 × Essex	
VS94-18	York × PI 416937	
VS95-76	L760132 × Essex (2)	
VS96-239 (Rel. as Asmara)	PI 417288 × T135 × 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

2005

Uniform Group IV-S nurseries were planted at 21 locations. Data were obtained from 11 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, 2005

STRAIN/VARIETY		PARENTAGE	GENERATION COMPOSITED
1.	5002 T	Holladay × Manokin	
2.	DK 4868	Commercial Check RR	
3.	AG 4603		
4.	AG 4903		
5.	DT99-17400	UARK5798 × BOLIVAR	
6.	Md 00-5020	S92-1069 × Md 93-5298	F5
7.	Md 00-5024	S92-1069 × Md 93-5298	F5
8.	Md 00-5326	KY91-11114 × Croton 3.9	F5
9.	Md 01-5866	K1364 × SS91-7138	F5
10.	R00-1178F	A4715 × DP 3478	
11.	R00-1194F	A4715 × DP 3478	
12.	R01-1017	HBK 4890 × R96-1083	
13.	R01-1018	HBK 4890 × R96-1083	
14.	R01-1092	HBK 4890 × R96-1083	
15.	S00-9925-10	K1393 × Anand	
16.	S02-683RR	DK4762 × SG498RR	
17.	S03-166RR	SG498RR × SS94-7482	
18.	S03-390RR	DP5960RR × P1	
19.	TN01-032	Caviness × Anand	
20.	TN02-05RR	MD94-5396 × (TN95-53 × Monsanto RR)	
21.	TN02-169	Fowler × MD94-5396	
22.	TN02-226	Fowler × Anand	
23.	TX 74053	TN94-213 × Md 94-5396	
24.	V00-2275	KY88-4080 × FFR 493	
25.	LS00-1755	K1307 × LS92-4357	

**TABLE 2 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2005**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD*			PROTEIN			OIL		
			2005	04-05	03-05	2005	04-05	03-05	2005	04-05	03-05
5002T	3	6	44.5	50.5	51.5	40.3	40.0	40.1	21.6	20.7	20.2
DK 4868 (RR)	5	11	43.4	49.8	49.0	41.4	40.3	40.4	20.8	20.2	20.3
AG 4603	13	15	40.5	.	.	41.5	.	.	19.8	.	.
AG 4903	1	8	45.1	.	.	41.3	.	.	21.3	.	.
DT99-17400	17	14	40.2	46.9	43.9	40.0	39.7	39.9	21.2	20.5	20.1
Md 00-5020	22	16	38.8	45.3	.	41.3	40.4	.	21.0	20.7	.
Md 00-5024	20	17	39.1	45.7	.	40.9	40.3	.	20.2	20.1	.
Md 00-5326	7	12	42.3	48.4	.	42.9	41.6	.	20.8	20.6	.
Md 01-5866	10	11	41.4	.	.	41.5	.	.	22.1	.	.
R00-1178F	6	11	42.7	.	.	41.6	.	.	21.3	.	.
R00-1194F	2	6	45.1	.	.	40.7	.	.	20.9	.	.
R01-1017	9	13	41.5	.	.	40.7	.	.	21.7	.	.
R01-1018	18	13	40.2	.	.	40.4	.	.	21.6	.	.
R01-1092	15	14	40.3	.	.	41.4	.	.	20.3	.	.
S00-9925-10	4	8	43.7	49.5	50.7	41.1	40.1	40.3	20.7	20.2	19.9
S02-683RR	8	12	41.9	.	.	43.8	.	.	20.2	.	.
S03-166RR	14	15	40.4	.	.	41.5	.	.	20.2	.	.
S03-390RR	19	14	40.0	.	.	43.2	.	.	19.8	.	.
TN01-032	21	15	38.8	.	.	42.6	.	.	20.3	.	.
TN02-05RR	24	17	38.3	.	.	41.9	.	.	20.7	.	.
TN02-169	23	16	38.6	.	.	38.9	.	.	20.7	.	.
TN02-226	12	12	40.8	.	.	39.3	.	.	20.3	.	.
TX 74053	25	23	28.7	.	.	39.3	.	.	21.5	.	.
V00-2275	11	14	40.8	.	.	42.3	.	.	20.7	.	.
LS00-1755	16	14	40.3	46.3	.	41.3	40.6	.	20.3	19.8	.

\*Data not included in mean: 2005 - Orange, VA; Pine Tree, AR; Prosper, TX; Springfield, TN; Ullin, IL  
2004 - Prosper, TX; Queenstown, MD; Springfield, TN  
2003 - Prosper, TX; Starkville, MS

TABLE 2 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5002T	09/29	1.6	27	2.2	14.0	W	T	T
DK 4868	1-	2.1	36	3.4	13.3	W	G	T
AG 4603	2-	2.0	32	2.8	14.2	W	T	T
AG 4903	0	2.1	35	2.7	14.0	P	T	T
DT99-17400	1+	2.0	30	2.3	13.9	P	T	T
Md 00-5020	3-	1.6	25	2.9	12.0	P	T	
Md 00-5024	1+	2.4	39	3.0	12.1	P	T	
Md 00-5326	4+	2.1	37	2.6	13.3	W	T	
Md 01-5866	1-	1.9	27	2.1	13.8	W	T	
R00-1178F	1+	2.3	39	2.6	13.3	S	T	
R00-1194F	0	1.9	34	2.7	12.8	P	G	
R01-1017	6-	2.2	38	3.1	17.0	P	G	
R01-1018	5-	2.2	38	3.1	16.5	P	G	
R01-1092	4-	1.4	26	2.7	13.4	P	G	
S00-9925-10	0	2.2	28	2.3	12.6	W	T	
S02-683RR	4+	2.5	41	3.0	15.2	W	T	
S03-166RR	0	2.4	34	3.0	16.2	W	T	
S03-390RR	3+	2.2	41	2.8	16.3	W	T	
TN01-032	1-	2.1	28	2.7	13.7	P	T	
TN02-05RR	1-	2.5	40	2.6	12.3	P	T	
TN02-169	2+	1.4	29	2.6	13.3	P	T	
TN02-226	0	1.5	28	2.6	13.4	P	T	
TX 74053	1+	1.4	25	2.4	14.1	P	G	
V00-2275	2-	1.9	36	2.8	14.5	P	G	
LS00-1755	2-	1.6	28	2.6	12.9	P	T	

TABLE 2 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS							
	SCN 2	SCN 3	SCN 14	SRK GA	PRK GA	SMV	SDS CDX	SDS VDX
5002T	69	59	16	5.0	4.8	S	0	12
DK 4868	50	115	48	5.0	4.5	S	7	5
AG 4603	43	8	10	5.0	4.3	M	11	13
AG 4903	70	103	61	5.0	4.8	S	6	12
DT99-17400	11	139	52	5.0	4.8	R	1	14
Md 00-5020	1	0	0	1.8	2.5	S	8	3
Md 00-5024	25	7	28	5.0	3.5	M	11	7
Md 00-5326	69	178	130	5.0	4.8	S	16	17
Md 01-5866	16	1	138	5.0	5.0	S	8	4
R00-1178F	63	116	60	5.0	2.5	S	16	27
R00-1194F	44	2	21	5.0	3.8	S	3	3
R01-1017	31	168	96	5.0	4.8	M	10	26
R01-1018	58	160	33	5.0	4.5	R	15	29
R01-1092	36	147	56	5.0	3.0	R	2	23
S00-9925-10	31	72	22	3.3	4.8	S	2	6
S02-683RR	22	5	13	5.0	4.8	S	6	11
S03-166RR	17	128	99	5.0	4.3	S	4	5
S03-390RR	67	7	24	5.0	5.0	R	5	1
TN01-032	69	166	20	5.0	5.0	R	1	12
TN02-05RR	61	67	30	5.0	4.8	R	8	6
TN02-169	48	6	58	5.0	4.3	R	1	2
TN02-226	2	0	2	5.0	5.0	S	0	2
TX 74053	23	55	52	5.0	5.0		0	12
V00-2275	46	140	91	5.0	4.5	R	4	11
LS00-1755	63	11	16	5.0	4.8	S	2	2

TABLE 3 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2005

STRAIN/ VARIETY	EAST			MEAN
	GEORGETOWN DE	PLYMOUTH NC	WARSAW VA	
5002T	48.6	45.6	31.2	41.8
DK 4868 (RR)	42.3	44.1	29.4	38.6
AG 4603	43.9	37.1	29.3	36.8
AG 4903	38.8	44.0	30.2	37.7
DT99-17400	36.4	37.4	29.8	34.5
Md 00-5020	44.6	35.2	28.5	36.1
Md 00-5024	44.6	35.8	29.5	36.6
Md 00-5326	39.9	43.7	30.1	37.9
Md 01-5866	43.6	40.4	30.1	38.0
R00-1178F	45.0	44.0	30.5	39.8
R00-1194F	48.4	44.0	31.2	41.2
R01-1017	42.7	31.8	30.4	35.0
R01-1018	40.5	31.8	30.5	34.3
R01-1092	36.8	36.6	29.8	34.4
S00-9925-10	42.7	44.9	30.3	39.3
S02-683RR	43.9	34.9	30.3	36.3
S03-166RR	39.6	39.6	30.6	36.6
S03-390RR	39.1	35.3	30.5	35.0
TN01-032	35.5	41.0	30.2	35.5
TN02-05RR	43.4	22.9	30.0	32.1
TN02-169	49.8	38.8	30.2	39.6
TN02-226	43.4	35.2	30.7	36.4
TX 74053	30.0	.	30.4	30.2
V00-2275	44.5	30.9	30.3	35.2
LS00-1755	39.8	37.4	29.6	35.6
L.S.D. (0.05)	5.5	6.9	0.6	.
C.V. (%)	8.0	11.1	1.2	.

TABLE 3 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5002T	38.5	40.7	17.8	13.3	41.8	53.4	30.8
DK 4868 (RR)	41.0	37.3	12.5	12.1	38.0	49.8	30.1
AG 4603	39.5	45.2	9.5	11.6	39.6	53.2	32.1
AG 4903	42.0	40.7	14.3	14.1	44.5	49.5	32.3
DT99-17400	32.5	39.7	16.3	12.1	41.0	59.2	28.1
Md 00-5020	22.5	40.1	11.6	11.2	36.6	48.3	24.6
Md 00-5024	47.0	34.3	11.1	10.1	37.7	37.3	30.5
Md 00-5326	38.5	34.9	11.1	12.9	42.3	48.8	28.8
Md 01-5866	31.5	41.1	21.1	11.7	38.7	55.3	28.1
R00-1178F	45.5	35.0	15.7	12.5	46.5	52.2	31.0
R00-1194F	40.5	36.6	16.9	12.6	46.2	51.4	29.9
R01-1017	44.0	43.8	19.0	11.7	39.3	48.3	33.2
R01-1018	41.0	44.3	16.1	11.4	36.5	46.7	32.3
R01-1092	28.0	44.9	20.5	11.7	46.6	53.4	28.2
S00-9925-10	33.5	43.7	18.2	12.7	37.6	48.3	29.9
S02-683RR	33.0	39.0	13.8	11.4	36.5	37.8	27.8
S03-166RR	33.0	35.1	14.1	11.0	36.4	50.0	26.4
S03-390RR	30.5	38.9	14.8	11.8	31.3	53.4	27.1
TN01-032	21.0	39.0	15.0	12.5	39.9	61.4	24.2
TN02-05RR	38.0	37.7	14.3	10.8	34.9	37.4	28.8
TN02-169	30.0	35.4	12.2	11.6	30.0	56.0	25.7
TN02-226	31.5	40.0	12.6	11.8	31.5	57.7	27.8
TX 74053	10.0	32.7	7.9	8.1	.	54.4	16.9
V00-2275	34.0	43.2	17.3	11.5	37.7	54.0	29.6
LS00-1755	26.5	39.8	14.4	11.8	32.6	50.0	26.0
L.S.D. (0.05)	8.7	5.2	7.0	1.0	9.4	13.6	.
C.V. (%)	12.1	8.0	28.9	5.4	14.8	16.0	.

\*Data not included in mean

TABLE 3 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE*	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	STUTTGART	MEAN
	AR	MO (A)	MO (B)	MS	AR	
5002T	35.6	73.0	64.1	66.0	53.4	64.1
DK 4868 (RR)	32.0	78.8	66.1	63.3	61.0	67.3
AG 4603	29.8	71.3	53.3	50.7	56.2	57.9
AG 4903	31.0	78.0	64.0	64.7	68.8	68.9
DT99-17400	30.0	72.5	69.4	55.2	46.4	60.9
Md 00-5020	41.1	75.0	52.4	52.4	43.6	55.9
Md 00-5024	38.9	66.4	52.0	47.4	47.7	53.4
Md 00-5326	37.3	82.9	57.4	55.5	57.7	63.4
Md 01-5866	40.7	76.8	58.0	65.3	39.3	59.8
R00-1178F	41.3	69.7	64.9	56.5	58.7	62.4
R00-1194F	41.3	83.3	65.4	61.6	56.6	66.7
R01-1017	33.8	69.0	62.0	66.2	47.7	61.3
R01-1018	27.1	71.8	58.1	62.1	36.1	57.0
R01-1092	26.5	82.4	66.6	62.1	39.6	62.7
S00-9925-10	42.6	83.9	61.9	62.6	50.7	64.8
S02-683RR	39.0	79.4	61.5	51.4	60.7	63.3
S03-166RR	30.3	70.7	61.3	51.4	59.4	60.7
S03-390RR	29.0	74.6	55.5	51.8	58.0	60.0
TN01-032	32.9	80.5	61.3	60.7	31.9	58.6
TN02-05RR	33.7	77.7	54.2	48.8	46.9	56.9
TN02-169	34.3	71.5	53.8	53.5	35.9	53.7
TN02-226	43.7	70.8	61.8	52.9	49.0	58.6
TX 74053	31.8	50.7	47.1	46.9	24.3	42.3
V00-2275	27.0	74.8	61.0	59.7	47.7	60.8
LS00-1755	37.7	72.0	65.3	63.0	49.1	62.4
L.S.D. (0.05)	8.8	6.9	6.9	9.2	10.1	.
C.V. (%)	15.1	5.6	7.0	9.8	12.3	.

\*Data not included in mean

TABLE 3 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	PITTSBURG KS	PROSPER* TX	
5002T	37.5	21.7	15	29.6
DK 4868 (RR)	28.6	16.8	12	22.7
AG 4603	24.8	23.2	17	24.0
AG 4903	34.8	21.2	22	28.0
DT99-17400	26.4	24.6	16	25.5
Md 00-5020	34.4	25.1	9	29.8
Md 00-5024	33.4	20.8	15	27.1
Md 00-5326	34.5	19.9	17	27.2
Md 01-5866	35.9	23.4	11	29.7
R00-1178F	32.7	17.8	18	25.2
R00-1194F	37.6	23.3	17	30.5
R01-1017	28.9	19.6	25	24.3
R01-1018	32.8	21.5	23	27.2
R01-1092	25.3	20.3	19	22.8
S00-9925-10	32.1	25.8	16	28.9
S02-683RR	30.9	26.8	15	28.9
S03-166RR	31.9	20.8	15	26.3
S03-390RR	26.9	26.7	17	26.8
TN01-032	32.0	19.5	11	25.7
TN02-05RR	26.8	22.0	17	24.4
TN02-169	30.9	21.3	16	26.1
TN02-226	38.6	23.9	12	31.3
TX 74053	14.4	20.8	7	17.6
V00-2275	33.8	18.4	20	26.1
LS00-1755	24.1	25.5	12	24.8
L.S.D. (0.05)	4.4	3.4	6	.
C.V. (%)	8.7	9.4	0	.

\*Data not included in mean

TABLE 4 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2005

## OIL PERCENTAGES

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE TN	ORANGE* VA	PINE TREE* AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	PRINCETON KY	STONEVILLE MS	ULLIN* IL	WARSAW VA	MEAN
5002T	.	21.9	24.4	.	21.6	21.8	21.2	.	21.2	23.4	22.0	20.4	21.6
DK 4868 (RR)	.	20.2	24.6	.	20.0	22.2	20.9	.	21.3	21.3	21.1	19.8	20.8
AG 4603	.	20.2	22.7	.	19.4	21.2	18.3	.	19.6	19.7	21.1	20.2	19.8
AG 4903	.	20.7	23.6	.	21.8	23.1	20.2	.	21.0	21.5	21.0	20.7	21.3
DT99-17400	.	20.8	22.7	.	22.5	22.2	20.5	.	20.2	22.7	21.1	19.6	21.2
Md 00-5020	.	19.6	23.1	.	22.7	22.5	19.9	.	21.6	20.7	21.1	19.7	21.0
Md 00-5024	.	19.1	22.4	.	20.6	21.8	20.4	.	21.2	19.3	19.8	18.7	20.2
Md 00-5326	.	19.4	23.3	.	21.0	21.6	21.2	.	20.7	21.0	22.2	20.7	20.8
Md 01-5866	.	21.5	22.2	.	22.3	23.6	21.0	.	22.1	22.6	23.4	21.7	22.1
R00-1178F	.	20.8	23.3	.	21.1	22.4	21.1	.	21.1	22.6	21.9	19.9	21.3
R00-1194F	.	19.9	23.4	.	20.0	21.8	21.1	.	21.1	22.1	21.3	20.3	20.9
R01-1017	.	22.1	23.6	.	21.1	22.4	21.7	.	21.2	21.8	20.9	21.5	21.7
R01-1018	.	21.2	24.1	.	20.8	22.7	21.9	.	20.8	23.0	21.9	21.1	21.6
R01-1092	.	19.6	23.5	.	19.8	21.0	19.5	.	21.3	20.3	20.7	20.7	20.3
S00-9925-10	.	20.8	23.2	.	21.4	20.1	20.8	.	20.1	21.6	20.4	19.9	20.7
S02-683RR	.	20.1	23.2	.	21.4	20.6	19.5	.	19.8	20.9	20.4	19.4	20.2
S03-166RR	.	19.5	23.5	.	20.1	21.7	20.2	.	20.0	20.0	21.0	20.0	20.2
S03-390RR	.	18.7	22.1	.	21.1	20.5	19.4	.	19.8	19.7	20.5	19.4	19.8
TN01-032	.	19.8	22.7	.	19.0	21.5	19.3	.	20.8	20.9	20.3	20.7	20.3
TN02-05RR	.	20.7	23.7	.	20.3	20.9	20.5	.	21.0	21.1	20.7	20.1	20.7
TN02-169	.	19.7	22.0	.	20.7	21.5	20.7	.	20.6	20.6	20.3	20.8	20.7
TN02-226	.	18.8	22.3	.	21.6	21.4	20.5	.	18.9	20.8	22.3	19.9	20.3
TX 74053	.	20.8	23.7	.	21.6	22.7	21.8	.	20.4	23.1	21.6	20.4	21.5
V00-2275	.	21.7	22.8	.	20.1	21.2	20.0	.	20.4	20.4	20.4	20.9	20.7
LS00-1755	.	20.5	22.3	.	20.0	20.5	21.2	.	19.1	20.9	21.4	20.0	20.3

\*Data not included in mean

TABLE 4 - Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE TN	ORANGE* VA	PINE TREE* AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	PRINCETON KY	STONEVILLE MS	ULLIN* IL	WARSAW VA	MEAN
5002T	.	40.5	30.2	.	39.5	40.3	40.5	.	40.5	40.0	37.8	40.7	40.3
DK 4868 (RR)	.	42.5	31.1	.	43.0	41.0	39.9	.	40.5	40.5	40.7	42.3	41.4
AG 4603	.	41.2	35.0	.	41.3	40.0	41.4	.	41.1	42.7	38.7	42.7	41.5
AG 4903	.	43.3	33.8	.	40.6	38.7	40.3	.	40.2	43.6	41.0	42.7	41.3
DT99-17400	.	40.8	33.5	.	37.0	39.4	39.9	.	40.6	40.1	38.5	42.3	40.0
Md 00-5020	.	42.9	33.2	.	38.3	41.1	41.9	.	40.1	42.5	38.7	42.0	41.3
Md 00-5024	.	42.4	32.7	.	40.2	40.0	41.3	.	38.8	42.4	40.1	41.4	40.9
Md 00-5326	.	45.3	34.8	.	43.5	42.2	41.7	.	42.1	42.5	41.5	43.3	42.9
Md 01-5866	.	43.8	37.1	.	40.5	39.5	41.3	.	41.4	42.5	40.2	41.8	41.5
R00-1178F	.	44.0	35.0	.	41.0	41.1	40.2	.	40.3	42.1	40.3	42.4	41.6
R00-1194F	.	43.9	32.7	.	41.1	38.8	39.6	.	40.5	39.9	39.0	41.0	40.7
R01-1017	.	40.6	33.7	.	41.3	42.0	37.9	.	39.7	40.1	39.8	43.2	40.7
R01-1018	.	40.7	32.3	.	41.5	41.4	37.3	.	40.5	39.2	39.4	42.0	40.4
R01-1092	.	41.7	32.3	.	42.1	42.7	39.7	.	39.3	42.1	39.3	42.0	41.4
S00-9925-10	.	43.6	32.5	.	40.7	41.6	39.4	.	39.7	39.6	42.6	43.2	41.1
S02-683RR	.	44.9	36.0	.	41.3	43.6	44.1	.	42.6	45.0	40.5	44.9	43.8
S03-166RR	.	43.1	31.2	.	40.4	41.1	40.4	.	41.9	41.6	40.6	41.8	41.5
S03-390RR	.	44.9	35.3	.	40.2	46.2	40.6	.	42.2	42.8	40.6	45.5	43.2
TN01-032	.	43.0	33.5	.	42.4	43.9	42.2	.	40.5	41.5	41.2	44.7	42.6
TN02-05RR	.	43.0	32.6	.	42.7	43.1	38.9	.	39.8	42.5	38.0	43.6	41.9
TN02-169	.	41.8	32.6	.	37.6	38.1	37.8	.	40.0	38.9	38.0	38.4	38.9
TN02-226	.	43.3	31.5	.	37.0	36.9	37.6	.	40.0	39.8	36.9	40.2	39.3
TX 74053	.	40.5	32.7	.	36.9	38.5	37.6	.	39.5	39.5	40.2	42.7	39.3
V00-2275	.	41.7	35.5	.	42.2	42.9	40.3	.	40.9	44.3	39.7	43.6	42.3
LS00-1755	.	40.6	33.9	.	41.3	42.9	39.3	.	41.7	41.4	39.8	42.1	41.3

\*Data not included in mean

TABLE 4 - Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE TN	ORANGE* VA	PINE TREE* AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	PRINCETON KY	STONEVILLE MS	ULLIN* IL	WARSAW VA	MEAN
5002T	15.3	13.2	13.7	13.4	9.6	14.3	16.9	13.8	16.9	14.8	14.5	11.1	14.0
DK 4868 (RR)	12.9	11.4	11.5	13.0	12.7	13.3	14.8	15.0	14.9	13.2	12.7	11.8	13.3
AG 4603	13.6	12.9	11.6	14.0	12.0	13.0	16.1	16.7	15.4	15.7	13.3	12.4	14.2
AG 4903	14.9	12.5	12.3	14.5	11.7	12.3	15.9	14.8	16.4	15.9	13.1	11.7	14.0
DT99-17400	12.4	13.5	13.1	14.8	12.0	13.0	15.9	15.0	17.2	14.2	15.0	12.3	13.9
Md 00-5020	12.7	10.4	22.2	10.7	10.1	12.0	14.2	12.4	14.4	11.8	11.9	9.8	12.0
Md 00-5024	12.7	11.4	9.4	10.6	9.7	13.3	14.0	12.9	14.0	10.5	13.4	10.2	12.1
Md 00-5326	13.9	9.9	10.4	12.6	11.0	13.3	16.2	14.2	16.1	13.3	13.2	11.8	13.3
Md 01-5866	15.6	12.5	14.0	14.0	11.5	14.0	15.2	13.8	16.4	13.2	14.4	11.8	13.8
R00-1178F	13.5	11.7	11.5	12.6	11.5	13.7	14.3	16.1	15.4	11.4	14.3	11.7	13.3
R00-1194F	12.6	11.3	11.0	13.1	11.4	12.0	15.0	14.5	15.5	12.1	13.0	11.1	12.8
R01-1017	15.1	16.0	14.9	15.2	15.9	16.0	18.6	19.3	18.6	17.5	15.9	16.0	17.0
R01-1018	14.5	15.2	14.2	15.0	14.6	16.0	18.4	19.3	20.2	14.7	16.4	15.9	16.5
R01-1092	13.6	12.2	12.1	12.8	11.5	12.3	14.5	15.2	14.4	14.2	11.6	12.6	13.4
S00-9925-10	12.9	11.4	10.9	12.9	10.1	12.7	14.6	13.4	15.0	12.8	12.7	10.3	12.6
S02-683RR	14.0	16.6	13.0	14.3	12.8	13.3	19.2	17.2	17.2	14.1	15.4	12.3	15.2
S03-166RR	15.1	15.1	13.5	14.4	14.4	15.7	20.1	18.2	18.7	13.6	16.5	14.7	16.2
S03-390RR	15.6	17.1	11.8	16.9	15.5	15.7	17.4	16.6	18.6	15.1	17.1	15.4	16.3
TN01-032	14.9	11.8	11.1	12.2	10.7	13.3	15.3	15.4	17.0	13.4	14.0	11.6	13.7
TN02-05RR	11.4	11.3	11.2	11.7	10.8	11.7	14.2	12.8	13.7	13.7	11.9	11.1	12.3
TN02-169	13.6	12.1	10.6	13.9	9.8	13.3	15.2	14.0	17.0	13.3	14.5	11.8	13.3
TN02-226	13.5	12.4	12.8	13.1	9.8	12.7	14.6	17.8	16.1	12.8	13.4	11.3	13.4
TX 74053	14.5	13.5	12.6	14.4	11.5	13.0	16.7	15.7	15.8	14.7	14.0	11.8	14.1
V00-2275	14.5	12.7	12.7	13.0	12.7	15.0	15.5	16.4	15.5	13.9	14.1	13.9	14.5
LS00-1755	11.6	12.5	10.2	12.1	10.4	13.3	13.8	13.3	15.0	14.0	11.5	12.0	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, 2005

## EAST

STRAIN/ VARIETY	GEORGETOWN	PLYMOUTH	WARSAW	MEAN
	DE	NC	VA	
5002T	10/02	10/06	09/22	09/30
DK 4868 (RR)	2	0	0	1
AG 4603	-4	-4	-1	-3
AG 4903	-4	4	1	0
DT99-17400	2	-2	1	0
Md 00-5020	-5	-5	0	-3
Md 00-5024	-3	-1	1	-1
Md 00-5326	4	12	2	6
Md 01-5866	-6	1	1	-1
R00-1178F	-3	9	2	3
R00-1194F	7	3	1	4
R01-1017	-5	-6	-3	-5
R01-1018	-5	-6	-2	-4
R01-1092	-6	-7	-1	-5
S00-9925-10	-2	5	2	2
S02-683RR	8	9	2	6
S03-166RR	1	0	0	0
S03-390RR	9	2	1	4
TN01-032	-5	-1	-1	-2
TN02-05RR	-5	2	0	-1
TN02-169	3	2	2	2
TN02-226	0	1	1	1
TX 74053	0	0	4	1
V00-2275	-6	-3	-1	-3
LS00-1755	-2	-6	-1	-

TABLE 5 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5002T	09/10	09/18	10/04	.	10/06	10/06	09/14
DK 4868 (RR)	1	-3	-6	.	-3	-9	-1
AG 4603	-2	-4	-9	.	-1	-10	-3
AG 4903	-1	0	-3	.	-2	-7	0
DT99-17400	3	1	-1	.	-2	-1	2
Md 00-5020	-4	-4	-4	.	-2	-9	-4
Md 00-5024	3	1	-2	.	-4	0	2
Md 00-5326	2	3	-5	.	-2	-1	2
Md 01-5866	-2	0	0	.	-3	-3	-1
R00-1178F	-2	-1	-3	.	-3	-3	-2
R00-1194F	-2	0	-1	.	-2	-2	-1
R01-1017	-12	-10	-6	.	-5	-15	-11
R01-1018	-7	-9	-10	.	-4	-15	-8
R01-1092	-3	-5	-2	.	-2	-13	-4
S00-9925-10	-1	1	4	.	-1	-2	0
S02-683RR	3	2	3	.	-2	-3	3
S03-166RR	6	-5	-3	.	0	-7	0
S03-390RR	6	2	-4	.	-1	-4	4
TN01-032	2	-4	-4	.	0	-5	-1
TN02-05RR	-1	-2	-1	.	-2	-4	-2
TN02-169	0	0	-2	.	-2	-1	0
TN02-226	-2	-1	-2	.	-3	-1	-1
TX 74053	5	0	1	.	-1	-1	2
V00-2275	-1	-7	-6	.	-3	-12	-4
LS00-1755	-3	-3	-9	.	-3	-15	-3

\*Data not included in mean

TABLE 5 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE*	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	STUTTGART	MEAN
	AR	MO (A)	MO (B)	MS	AR	
5002T	10/05	09/27	09/27	09/14	10/05	09/26
DK 4868 (RR)	2	-3	-3	-11	0	-5
AG 4603	-21	-3	-4	0	-4	-3
AG 4903	-3	-3	2	-5	0	-2
DT99-17400	-13	1	3	0	-5	-1
Md 00-5020	-14	-5	-3	-2	-7	-4
Md 00-5024	-3	-1	2	1	1	0
Md 00-5326	-1	5	6	-1	1	3
Md 01-5866	-1	-3	0	-1	-6	-3
R00-1178F	-3	1	3	-4	-2	-1
R00-1194F	-1	-3	3	-5	-2	-2
R01-1017	-23	-8	-5	-11	1	-6
R01-1018	-25	-4	-5	-11	2	-5
R01-1092	-21	-9	-4	1	-9	-5
S00-9925-10	-4	-3	-1	0	-7	-3
S02-683RR	-3	2	3	1	5	2
S03-166RR	-1	0	0	-1	0	-1
S03-390RR	-25	2	2	-1	1	1
TN01-032	-21	-3	2	-4	2	-1
TN02-05RR	-3	2	-2	-3	-4	-2
TN02-169	-4	2	5	1	-2	1
TN02-226	-9	-3	0	1	-6	-2
TX 74053	-12	-2	3	0	-6	-1
V00-2275	-22	-3	-3	-1	5	-1
LS00-1755	-21	-3	1	0	0	-1

\*Data not included in mean

TABLE 5 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	PITTSBURG KS	PROSPER* TX	
5002T	11/01	.	.	11/01
DK 4868 (RR)	0	.	.	0
AG 4603	0	.	.	0
AG 4903	0	.	.	0
DT99-17400	0	.	.	0
Md 00-5020	0	.	.	0
Md 00-5024	0	.	.	0
Md 00-5326	0	.	.	0
Md 01-5866	0	.	.	0
R00-1178F	0	.	.	0
R00-1194F	0	.	.	0
R01-1017	0	.	.	0
R01-1018	0	.	.	0
R01-1092	0	.	.	0
S00-9925-10	0	.	.	0
S02-683RR	0	.	.	0
S03-166RR	0	.	.	0
S03-390RR	0	.	.	0
TN01-032	0	.	.	0
TN02-05RR	0	.	.	0
TN02-169	0	.	.	0
TN02-226	0	.	.	0
TX 74053	0	.	.	0
V00-2275	0	.	.	0
LS00-1755	0	.	.	0

\*Data not included in mean

TABLE 6 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2005

STRAIN/ VARIETY	EAST		MEAN
	GEORGETOWN DE	WARSAW VA	
5002T	32	27	29
DK 4868 (RR)	42	35	38
AG 4603	36	28	32
AG 4903	41	34	38
DT99-17400	37	30	34
Md 00-5020	32	25	29
Md 00-5024	39	33	36
Md 00-5326	42	32	37
Md 01-5866	30	27	29
R00-1178F	44	35	39
R00-1194F	37	29	33
R01-1017	43	34	39
R01-1018	44	33	38
R01-1092	28	26	27
S00-9925-10	34	29	32
S02-683RR	45	36	41
S03-166RR	41	30	36
S03-390RR	46	36	41
TN01-032	32	31	32
TN02-05RR	44	37	41
TN02-169	34	30	32
TN02-226	33	29	31
TX 74053	29	26	28
V00-2275	42	30	36
LS00-1755	34	30	32

TABLE 6 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE	ORANGE*	PRINCETON	SPRINGFIELD*	ULLIN*	MEAN
	LA	TN	VA	KY	TN	IL	
5002T	16	30	24	36	25	31	27
DK 4868 (RR)	35	32	27	43	27	42	37
AG 4603	30	32	24	39	27	39	34
AG 4903	32	34	24	43	26	40	37
DT99-17400	16	35	22	44	25	36	32
Md 00-5020	16	30	21	35	25	35	27
Md 00-5024	45	38	30	42	31	45	42
Md 00-5326	37	37	26	44	28	44	39
Md 01-5866	15	31	24	34	28	33	27
R00-1178F	39	40	30	45	33	45	41
R00-1194F	32	34	27	40	23	37	35
R01-1017	36	37	31	44	30	46	39
R01-1018	36	41	28	44	29	45	40
R01-1092	12	33	25	37	26	31	27
S00-9925-10	14	34	26	39	25	35	29
S02-683RR	43	42	34	47	35	50	44
S03-166RR	33	35	27	39	27	45	36
S03-390RR	36	45	33	51	35	51	44
TN01-032	14	33	25	39	27	34	29
TN02-05RR	41	41	33	47	31	48	43
TN02-169	15	35	22	41	26	38	30
TN02-226	14	35	23	39	27	38	30
TX 74053	11	27	20	34	23	32	24
V00-2275	33	38	30	43	27	43	38
LS00-1755	12	37	28	39	26	31	29

\*Data not included in mean

TABLE 6 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE*	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	STUTTGART	MEAN
	AR	MO (A)	MO (B)	MS	AR	
5002T	21	29	29	26	20	26
DK 4868 (RR)	23	47	39	34	31	38
AG 4603	24	42	37	30	30	35
AG 4903	31	44	39	30	32	36
DT99-17400	26	30	35	30	19	29
Md 00-5020	19	29	25	22	16	23
Md 00-5024	30	51	46	46	34	44
Md 00-5326	29	45	40	40	32	39
Md 01-5866	15	30	37	28	18	28
R00-1178F	27	48	43	40	35	42
R00-1194F	25	41	38	36	28	36
R01-1017	25	48	47	40	33	42
R01-1018	23	48	45	40	30	41
R01-1092	16	29	25	28	16	24
S00-9925-10	17	28	36	30	17	28
S02-683RR	28	50	46	42	38	44
S03-166RR	27	42	41	32	32	37
S03-390RR	29	52	46	34	37	42
TN01-032	19	32	31	30	17	28
TN02-05RR	27	51	39	42	38	43
TN02-169	22	31	33	28	19	28
TN02-226	16	24	32	28	19	26
TX 74053	18	32	27	28	17	26
V00-2275	26	47	41	42	29	40
LS00-1755	18	25	36	26	20	27

\*Data not included in mean

TABLE 6 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BIXBY OK	PITTSBURG KS	PROSPER* TX	
5002T	21	27	10	24
DK 4868 (RR)	30	24	10	27
AG 4603	23	24	11	24
AG 4903	29	27	11	28
DT99-17400	24	24	10	24
Md 00-5020	24	26	11	25
Md 00-5024	31	29	11	30
Md 00-5326	29	29	11	29
Md 01-5866	20	26	12	23
R00-1178F	31	28	13	30
R00-1194F	28	26	13	27
R01-1017	28	26	12	27
R01-1018	31	24	12	28
R01-1092	25	25	13	25
S00-9925-10	23	26	14	24
S02-683RR	34	30	14	32
S03-166RR	28	25	12	26
S03-390RR	32	35	14	34
TN01-032	26	26	14	26
TN02-05RR	34	28	14	31
TN02-169	23	28	14	25
TN02-226	23	27	14	25
TX 74053	20	23	14	22
V00-2275	29	26	15	28
LS00-1755	23	26	15	25

\*Data not included in mean

TABLE 7 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S,  
2005

STRAIN/ VARIETY	EAST			MEAN
	GEORGETOWN DE	PLYMOUTH NC	WARSAW VA	
5002T	1.0	1.8	1.5	1.4
DK 4868 (RR)	1.0	1.6	1.6	1.4
AG 4603	0.8	1.5	1.2	1.1
AG 4903	1.0	1.7	1.6	1.4
DT99-17400	.	1.7	1.4	1.5
Md 00-5020	.	1.7	1.2	1.4
Md 00-5024	1.0	2.7	1.2	1.6
Md 00-5326	1.5	2.0	1.2	1.6
Md 01-5866	1.8	1.5	1.4	1.5
R00-1178F	1.5	2.2	1.2	1.6
R00-1194F	0.5	1.7	1.3	1.1
R01-1017	1.7	1.8	1.2	1.6
R01-1018	2.3	2.0	1.2	1.9
R01-1092	.	1.5	1.3	1.4
S00-9925-10	2.3	1.8	1.2	1.8
S02-683RR	2.7	2.3	1.2	2.1
S03-166RR	3.5	1.7	1.3	2.2
S03-390RR	2.8	2.0	1.1	1.9
TN01-032	2.3	2.0	1.2	1.9
TN02-05RR	1.5	2.8	1.2	1.8
TN02-169	.	1.5	1.3	1.4
TN02-226	.	1.5	1.1	1.3
TX 74053	.	1.5	1.0	1.3
V00-2275	1.3	1.7	1.2	1.4
LS00-1755	1.3	1.5	1.3	1.4

TABLE 7 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA	KNOXVILLE	ORANGE*	PRINCETON	SPRINGFIELD*	ULLIN*	MEAN
	LA	TN	VA	KY	TN	IL	
5002T	1.0	2.2	1.2	2.5	1.0	1.8	1.9
DK 4868 (RR)	1.0	2.2	1.0	2.2	1.0	1.5	1.8
AG 4603	1.3	2.5	1.2	2.3	1.0	1.2	2.0
AG 4903	1.3	2.3	1.2	2.0	1.0	1.3	1.9
DT99-17400	1.3	2.3	1.0	2.8	1.0	1.8	2.1
Md 00-5020	1.3	2.3	1.0	2.7	1.0	1.8	2.1
Md 00-5024	1.0	2.8	1.0	2.8	1.0	3.2	2.2
Md 00-5326	1.0	2.5	1.0	2.0	1.0	1.5	1.8
Md 01-5866	1.0	2.7	1.2	2.7	1.0	1.3	2.1
R00-1178F	1.5	3.0	1.3	2.0	1.0	2.0	2.2
R00-1194F	1.5	2.2	1.3	2.2	1.0	1.5	1.9
R01-1017	1.5	1.8	1.2	2.2	1.0	1.8	1.8
R01-1018	1.5	1.8	1.3	2.5	1.0	1.7	1.9
R01-1092	1.0	2.0	1.0	2.3	1.0	1.0	1.8
S00-9925-10	1.0	2.8	1.0	3.0	1.0	2.8	2.3
S02-683RR	1.0	3.0	1.2	2.7	1.0	2.2	2.2
S03-166RR	1.0	2.8	1.0	2.5	1.0	2.3	2.1
S03-390RR	1.0	2.8	1.0	2.5	1.0	1.3	2.1
TN01-032	1.0	3.5	1.0	3.0	1.0	2.0	2.5
TN02-05RR	1.8	3.2	1.2	2.7	1.0	2.0	2.5
TN02-169	1.0	1.7	1.0	2.0	1.0	1.2	1.6
TN02-226	1.0	2.7	1.2	2.0	1.0	1.5	1.9
TX 74053	1.0	2.0	1.0	2.7	1.0	1.2	1.9
V00-2275	1.3	1.8	1.0	2.2	1.0	1.2	1.8
LS00-1755	1.0	2.8	1.0	2.3	1.0	1.5	2.1

\*Data not included in mean

TABLE 7 ~ Continued

STRAIN/ VARIETY	DELTA					MEAN
	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	STUTTIGART AR		
5002T	2.0	2.0	2.0	1.0	1.8	
DK 4868 (RR)	3.0	3.5	3.0	2.7	3.0	
AG 4603	3.0	2.5	3.0	2.7	2.8	
AG 4903	3.5	3.0	3.0	2.3	3.0	
DT99-17400	3.0	1.5	3.0	1.7	2.3	
Md 00-5020	1.5	1.0	2.0	1.0	1.4	
Md 00-5024	3.0	3.0	3.0	5.0	3.5	
Md 00-5326	3.0	2.5	3.0	3.0	2.9	
Md 01-5866	3.0	3.0	2.0	1.0	2.3	
R00-1178F	3.5	3.0	3.0	3.3	3.2	
R00-1194F	3.0	3.0	3.0	1.7	2.7	
R01-1017	3.5	3.0	4.0	2.0	3.1	
R01-1018	3.5	3.0	3.0	2.3	3.0	
R01-1092	1.0	1.0	2.0	1.0	1.3	
S00-9925-10	4.0	3.0	3.0	1.0	2.8	
S02-683RR	3.0	3.0	3.0	4.3	3.3	
S03-166RR	3.5	3.0	3.0	3.0	3.1	
S03-390RR	2.5	2.5	3.0	2.7	2.7	
TN01-032	2.5	3.0	3.0	1.0	2.4	
TN02-05RR	3.0	2.5	4.0	4.3	3.5	
TN02-169	2.0	1.0	2.0	1.0	1.5	
TN02-226	1.5	1.5	2.0	1.0	1.5	
TX 74053	1.0	1.0	2.0	1.0	1.3	
V00-2275	3.5	2.5	3.0	1.7	2.7	
LS00-1755	1.0	2.0	2.0	1.0	1.5	

TABLE 7 ~ Continued

WEST	
STRAIN/ VARIETY	PITTSBURG KS
5002T	1.0
DK 4868 (RR)	1.0
AG 4603	1.0
AG 4903	1.0
DT99-17400	1.0
Md 00-5020	1.0
Md 00-5024	1.0
Md 00-5326	1.0
Md 01-5866	1.0
R00-1178F	1.0
R00-1194F	1.0
R01-1017	1.0
R01-1018	1.0
R01-1092	1.0
S00-9925-10	1.0
S02-683RR	1.0
S03-166RR	1.0
S03-390RR	1.0
TN01-032	1.0
TN02-05RR	1.0
TN02-169	1.0
TN02-226	1.0
TX 74053	1.0
V00-2275	1.0
LS00-1755	1.0

TABLE 8 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2005

STRAIN/ VARIETY	EAST		MEAN
	PLYMOUTH NC	WARSAW VA	
5002T	1.7	1.9	1.8
DK 4868 (RR)	2.0	3.0	2.5
AG 4603	2.7	3.3	3.0
AG 4903	2.3	2.0	2.2
DT99-17400	2.2	2.1	2.1
Md 00-5020	2.7	2.6	2.6
Md 00-5024	2.7	2.1	2.4
Md 00-5326	3.3	2.8	3.1
Md 01-5866	2.0	1.9	1.9
R00-1178F	3.5	2.1	2.8
R00-1194F	2.3	2.3	2.3
R01-1017	2.8	3.7	3.3
R01-1018	2.2	3.5	2.8
R01-1092	2.0	2.7	2.4
S00-9925-10	3.3	2.1	2.7
S02-683RR	2.5	2.2	2.3
S03-166RR	1.8	2.9	2.4
S03-390RR	3.3	3.3	3.3
TN01-032	2.3	3.5	2.9
TN02-05RR	2.5	2.5	2.5
TN02-169	2.2	1.9	2.0
TN02-226	2.2	2.2	2.2
TX 74053	2.2	3.0	2.6
V00-2275	3.2	4.0	3.6
LS00-1755	2.3	3.2	2.8

TABLE 8 ~ Continued

STRAIN/ VARIETY	SOUTH				MEAN
	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	ULLIN* IL	
5002T	3.0	1.4	1.0	1.0	2.0
DK 4868 (RR)	4.0	2.0	2.0	1.0	3.0
AG 4603	2.0	2.0	1.0	1.3	1.5
AG 4903	2.0	1.3	1.0	1.0	1.5
DT99-17400	1.0	1.3	3.0	1.0	2.0
Md 00-5020	3.0	2.0	3.0	1.3	3.0
Md 00-5024	3.0	1.9	3.0	1.3	3.0
Md 00-5326	2.0	1.9	1.0	1.7	1.5
Md 01-5866	2.0	1.4	1.0	1.0	1.5
R00-1178F	2.0	1.5	1.0	1.0	1.5
R00-1194F	2.0	1.4	3.0	1.0	2.5
R01-1017	2.0	1.5	3.0	1.3	2.5
R01-1018	2.0	1.5	4.0	1.7	3.0
R01-1092	2.0	1.4	3.0	1.3	2.5
S00-9925-10	2.0	1.4	1.0	1.7	1.5
S02-683RR	2.0	1.1	3.0	1.3	2.5
S03-166RR	2.0	1.3	4.0	1.7	3.0
S03-390RR	2.0	1.3	2.0	1.0	2.0
TN01-032	2.0	1.2	3.0	1.0	2.5
TN02-05RR	1.0	1.8	3.0	1.3	2.0
TN02-169	2.0	1.8	3.0	1.3	2.5
TN02-226	2.0	1.8	3.0	1.0	2.5
TX 74053	1.0	1.8	2.0	0.7	1.5
V00-2275	1.0	1.7	3.0	1.0	2.0
LS00-1755	2.0	1.8	3.0	1.3	2.5

\*Data not included in mean

TABLE 8 ~ Continued

STRAIN/ VARIETY	DELTA					MEAN
	PINE TREE*	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE		
	AR	MO (A)	MO (B)	MS		
5002T	4.0	3.0	3.0	2.0		2.7
DK 4868 (RR)	4.2	4.0	4.0	3.0		3.7
AG 4603	3.7	4.0	3.0	3.0		3.3
AG 4903	3.3	4.0	4.0	3.0		3.7
DT99-17400	3.3	3.0	3.0	2.0		2.7
Md 00-5020	2.3	3.0	3.0	3.0		3.0
Md 00-5024	4.7	3.0	3.0	3.0		3.0
Md 00-5326	3.5	3.0	3.0	3.0		3.0
Md 01-5866	3.3	3.0	3.0	2.0		2.7
R00-1178F	4.3	3.0	4.0	2.0		3.0
R00-1194F	3.5	3.0	4.0	2.0		3.0
R01-1017	3.0	3.0	4.0	3.0		3.3
R01-1018	4.2	4.0	4.0	2.0		3.3
R01-1092	3.2	3.0	3.0	3.0		3.0
S00-9925-10	3.3	3.0	3.0	2.0		2.7
S02-683RR	3.2	4.0	4.0	3.0		3.7
S03-166RR	4.2	4.0	4.0	2.0		3.3
S03-390RR	4.3	3.0	3.0	3.0		3.0
TN01-032	3.2	3.0	3.0	2.0		2.7
TN02-05RR	2.5	3.0	4.0	3.0		3.3
TN02-169	2.3	3.0	3.0	4.0		3.3
TN02-226	2.2	3.0	3.0	2.0		2.7
TX 74053	2.3	4.0	3.0	2.0		3.0
V00-2275	3.2	3.0	3.0	2.0		2.7
LS00-1755	2.2	3.0	3.0	2.0		2.7

\*Data not included in mean

TABLE 8 ~ Continued

STRAIN/ VARIETY	WEST
	PITTSBURG KS
5002T	2.0
DK 4868 (RR)	5.0
AG 4603	3.0
AG 4903	3.0
DT99-17400	2.0
Md 00-5020	3.0
Md 00-5024	4.0
Md 00-5326	3.0
Md 01-5866	2.0
R00-1178F	3.0
R00-1194F	3.0
R01-1017	3.0
R01-1018	3.0
R01-1092	3.0
S00-9925-10	2.0
S02-683RR	3.0
S03-166RR	3.0
S03-390RR	3.0
TN01-032	3.0
TN02-05RR	2.0
TN02-169	2.0
TN02-226	3.0
TX 74053	2.0
V00-2275	3.0
LS00-1755	2.0

## PRELIMINARY GROUP IV-S EARLY

2005

Preliminary Group IV-S Early (Relative Maturity 4.0-4.5) nurseries were planted at 12 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AG 4201		
2. AG 4403		
3. AG 4603		
4. IN97-15076	Macon × Stressland	
5. Md 02-5342	Md 94-5341 × 1998 FA plant 101	F5
6. Md 02-5358	Manokin × 1998 FA plant 101	F5
7. Md 02-5362	Manokin × 1998 FA plant 101	F5
8. Md 02-5988	Corsica × 1998 FA plant 101	F5
9. Md 02-651 RR	HS93-4118 × [Corsica (2) × RR]	F5
10. S02-2238RR	DP5960RR × LG94-4667	
11. S03-007RR	DK4762RR × P6	
12. S03-058RR	DK4762RR × P6	
13. S03-575CR	LG95-5737 × LG92-1255	
14. TN02-19RR	Anand × (TN95-53 × Monsanto RR)	
15. V02-7740	V92-0847 × Stressland	
16. V02-7767	V92-0847 × Stressland	
17. V02-8706	Mustang × V92-0847	

TABLE 10 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP IV-S EARLY,  
2005 ~ MEAN OF 9 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----	SCN	SCN	SCN	FL COLOR	PUB. COLOR	POD COLOR	
									PROTEIN	OIL	2	3	14			
AG 4201	44.1	6	9	09/23	1.9	31	2.0	14.5	41.2	20.4	49	17	4	W	T	T
AG 4403	47.0	3	7	1-	1.6	34	2.1	12.3	38.8-	22.8+	52	62	25	P	T	T
AG 4603	47.7	2	7	2+	1.6	33	2.4	13.4	40.0	20.8	55	26	6	W	T	T
LN97-15076	40.6	11	10	3-	1.9	33	2.7	15.3	41.1	20.9	79	109	33	W	T	Br
Md 02-5342	31.2-	17	13	1-	2.1	29	3.2	13.4	45.7+	19.5	70	100	18	W	T	
Md 02-5358	36.6-	16	11	2-	2.3	30	3.0	13.1	42.4	22.7+	31	15	23	W	T	
Md 02-5362	37.0-	15	11	1-	2.3	30	2.9	12.3	43.5+	21.0	56	39	32	W	T	
Md 02-5988	40.6	11	10	2-	2.4	32	2.1	12.6	42.8	20.1	91	94	75	W	T	
Md 02-651 RR	44.0	7	9	1-	1.7	29	2.1	13.0	41.2	21.1	61	86	33	W	G	
S02-2238RR	45.0	5	8	3+	2.6	35	2.3	15.1	41.6	19.9	45	26	11	W	T	
S03-007RR	49.7+	1	6	5+	2.3	41	1.9	13.1	40.1	22.1+	89	69	13	W	T	
S03-058RR	45.2	4	9	1+	1.9	38	2.0	13.6	40.4	21.8+	60	53	33	W	T	
S03-575CR	43.0	8	9	2+	2.9	38	2.5	14.8	41.7	20.8	101	89	18	W	G	
TN02-19RR	40.1	12	10	1-	2.0	35	2.2	12.0	43.1	20.8	64	36	35	P	T	
V02-7740	41.0	9	10	5-	1.8	32	2.5	13.4	41.6	20.9	69	91	36	P	T	
V02-7767	39.3-	13	11	3-	1.3	31	2.4	15.4	42.0	20.7	89	108	35	W	T	
V02-8706	39.2-	14	11	6-	1.5	31	2.8	13.9	41.3	21.6	66	56	21	W	G	
OVERALL MEAN	41.8							41.7	21.1							
LSD (.05)	4.4							2.0	1.3							
C.V.	12%							4%	5%							

TABLE 11 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOXVILLE TN	ORANGE* VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	PROSPER* TX	QUEENSTOWN MD	SPRINGFIELD TN	STONEVILLE MS	STUTTIGART AR	WARSAW VA	MEAN
AG 4201	32.1	35.8	42.9	12.8	30.3	33.1	81.4	10.0	49.0	37.0	53.2	58.1	32.2	44.1
AG 4403	36.5	39.1	41.4	13.4	39.8	33.8	88.3	14.0	54.8	32.6	53.3	59.8	37.9	47.0
AG 4603	33.1	34.2	42.7	13.8	41.5	29.1	91.6	8.0	48.5	39.2	63.0	60.3	41.7	47.7
LN97-15076	31.2	27.0	42.7	17.6	22.8	26.6	74.6	14.0	49.7	26.2-	63.1	38.5-	43.8	40.6
Md 02-5342	22.5-	15.9-	33.0-	10.5	18.0-	19.8-	63.1-	4.0	42.0	22.5-	49.2	23.2-	33.5	31.2-
Md 02-5358	20.9-	19.6-	38.5	12.5	24.8	26.1	74.1	11.0	42.8	22.3-	54.7	44.3-	34.4	36.6-
Md 02-5362	19.4-	21.8-	40.8	8.3	30.6	29.2	68.1-	9.0	39.0-	24.2-	56.4	36.6-	40.8	37.0-
Md 02-5988	30.9	27.0	37.8	18.8	25.1	28.1	64.7-	18.0+	38.8-	32.6	69.6	42.1-	49.9+	40.6
Md 02-651 RR	33.2	26.6	39.0	12.1	27.0	39.6	84.6	8.0	49.6	34.7	63.6	52.0	34.3	44.0
S02-2238RR	35.0	37.3	39.2	18.4	39.7	35.4	82.3	11.0	48.2	28.3	59.3	46.8-	43.4	45.0
S03-007RR	38.5+	44.2	47.0	19.5	41.7	29.4	94.8+	13.0	53.2	36.9	55.8	59.6	45.8	49.7+
S03-058RR	32.4	28.5	42.1	19.1	34.5	25.7	89.1	20.0+	53.0	32.6	65.8	47.4-	45.9	45.2
S03-575CR	36.5	22.4-	38.9	20.5	29.7	29.4	77.3	15.0	43.8	45.9	63.5	46.2-	39.8	43.0
TN02-19RR	31.7	33.2	38.0	13.6	29.8	14.6-	68.8-	18.0+	40.2-	38.0	64.5	47.5-	34.2	40.1
V02-7740	25.3-	30.7	36.2-	15.8	34.6	31.3	81.4	17.0+	47.2	29.8	60.5	36.2-	37.2	41.0
V02-7767	29.3	24.6	37.4-	11.2	27.5	18.7-	77.2	11.0	43.2	31.5	65.1	41.0-	37.1	39.3-
V02-8706	22.0-	31.7	32.9-	9.5	21.8	22.1	83.8	12.0	47.1	31.6	62.4	38.6-	37.7	39.2-
L.S.D. (0.05)	5.7	12.3	5.2	8.5	11.7	11.0	10.4	6.0	8.5	9.5	17.6	9.5	14.6	4.4
C.V. (%)	9.0	19.7	7.9	27.5	17.3	18.7	6.2	0.0	8.7	17.6	13.8	12.5	17.4	12.4

\*Data not included in mean

**TABLE 12 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP  
IV-S EARLY, 2005**

STRAIN/ VARIETY	KNOXVILLE TN	ORANGE* VA	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	21.1	23.4	23.1	19.1	20.4	18.7	20.1	20.4
AG 4403	23.5	24.4	25.8	22.8	21.7	20.6	22.5	22.8
AG 4603	19.8	22.7	22.7	19.6	19.6	23.8	19.5	20.8
LN97-15076	20.6	24.0	22.9	22.4	19.9	19.4	20.1	20.9
Md 02-5342	19.0	20.7	20.8	19.5	18.1	22.6	16.9	19.5
Md 02-5358	23.6	25.3	25.5	23.1	22.4	18.7	22.7	22.7
Md 02-5362	21.5	20.3	22.2	20.9	19.1	23.4	18.7	21.0
Md 02-5988	19.4	20.9	22.9	18.9	19.0	21.5	18.9	20.1
Md 02-651 RR	21.2	21.9	23.0	21.6	19.4	21.1	20.0	21.1
S02-2238RR	18.0	21.8	23.0	20.3	19.3	19.5	19.3	19.9
S03-007RR	23.1	21.1	24.5	21.1	20.7	21.9	21.1	22.1
S03-058RR	23.1	23.3	24.3	20.3	20.9	21.1	21.0	21.8
S03-575CR	21.4	22.7	22.4	20.2	20.2	21.2	19.5	20.8
TN02-19RR	21.7	22.4	23.4	21.1	18.3	20.7	19.8	20.8
V02-7740	20.8	23.3	23.6	19.4	19.7	21.5	20.3	20.9
V02-7767	21.3	23.9	21.6	21.5	19.7	19.5	20.6	20.7
V02-8706	21.7	22.9	23.8	21.2	20.3	22.1	20.3	21.6

\*Data not included in mean

**TABLE 13 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005**

STRAIN/ VARIETY	KNOXVILLE TN	ORANGE* VA	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	41.7	35.3	38.3	42.7	41.3	41.6	41.4	41.2
AG 4403	40.5	32.5	34.9	38.7	38.9	42.1	37.9	38.8
AG 4603	41.5	34.2	38.9	40.4	40.0	38.7	40.7	40.0
LN97-15076	42.7	34.8	39.9	39.0	42.3	41.5	41.3	41.1
Md 02-5342	46.2	39.8	49.9	46.1	46.0	39.6	46.2	45.7
Md 02-5358	42.9	34.5	42.2	40.1	40.9	47.7	40.4	42.4
Md 02-5362	43.6	39.5	46.8	43.5	44.9	40.1	42.0	43.5
Md 02-5988	44.2	37.6	44.0	42.7	42.5	41.3	42.3	42.8
Md 02-651 RR	42.0	34.2	42.9	40.0	41.0	39.7	41.7	41.2
S02-2238RR	41.4	35.4	40.9	41.2	42.2	42.2	41.8	41.6
S03-007RR	38.8	37.7	38.3	41.5	41.2	40.4	40.6	40.1
S03-058RR	40.6	35.3	36.3	42.0	41.0	42.1	40.5	40.4
S03-575CR	41.5	33.7	43.0	40.8	41.4	42.0	41.5	41.7
TN02-19RR	41.7	37.7	39.3	42.3	45.8	44.3	44.9	43.1
V02-7740	42.8	34.7	40.8	40.6	42.9	40.9	41.4	41.6
V02-7767	43.8	35.0	41.2	41.0	41.6	42.7	41.9	42.0
V02-8706	42.3	34.6	40.1	40.4	41.9	42.0	40.9	41.3

\*Data not included in mean

TABLE 14 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOXVILLE TN	ORANGE* VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	15.4	12.5	13.3	12.0	14.2	12.5	16.1	14.7	16.9	15.3	14.5
AG 4403	13.1	11.5	11.0	9.8	13.3	11.0	13.5	12.5	12.7	12.1	12.3
AG 4603	13.4	12.5	12.3	11.8	13.3	12.0	15.4	14.2	14.5	12.7	13.4
LN97-15076	16.2	13.5	14.8	13.1	14.9	15.5	17.4	15.0	14.6	15.7	15.3
Md 02-5342	14.5	11.0	13.5	11.5	13.1	12.5	14.5	12.9	14.7	13.7	13.4
Md 02-5358	13.0	12.5	12.1	10.1	12.5	12.5	15.2	13.6	14.1	12.7	13.1
Md 02-5362	12.1	11.0	11.4	9.3	12.2	12.0	14.1	11.4	14.0	12.1	12.3
Md 02-5988	13.5	12.5	12.0	10.8	13.3	12.5	12.1	12.9	12.7	12.0	12.6
Md 02-651 RR	12.4	12.0	11.7	10.1	12.7	13.0	15.4	13.1	14.2	12.5	13.0
S02-2238RR	15.8	14.0	14.8	12.8	12.2	14.5	18.3	16.2	15.5	14.9	15.1
S03-007RR	13.4	13.0	12.2	11.8	12.4	11.0	15.5	14.1	13.6	12.3	13.1
S03-058RR	13.9	12.5	12.6	12.6	12.1	12.0	16.6	15.4	14.3	12.7	13.6
S03-575CR	15.8	14.0	14.6	13.2	12.2	15.0	16.9	14.9	15.5	14.5	14.8
TN02-19RR	12.2	11.5	10.6	10.4	12.3	10.5	14.6	12.4	11.9	12.1	12.0
V02-7740	14.4	12.5	12.5	10.6	12.3	13.0	14.2	13.0	15.4	13.5	13.4
V02-7767	16.9	15.0	13.7	11.7	12.1	16.0	16.5	15.6	17.9	15.2	15.4
V02-8706	13.9	13.0	13.1	11.2	13.2	13.5	15.3	12.9	15.6	14.3	13.9

\*Data not included in mean

TABLE 15 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOX- VILLE TN	ORANGE* VA	PINE TREE AR	PLYMOUTH NC	PORTAGE- VILLE MO	PROSPER* TX	QUEENS- TOWN MD	SPRING- FIELD TN	STONE- VILLE MS	STUTTGART AR	WARSAW VA	MEAN
AG 4201	28	31	31	25	29	35	42	23	34	30	30	25	27	31
AG 4403	30	35	33	27	29	39	48	18	35	29	34	29	29	34
AG 4603	29	29	34	27	29	37	47	17	35	30	36	27	30	33
LN97-15076	27	35	35	28	29	38	39	16	35	32	36	28	32	33
Md 02-5342	24	31	30	24	27	33	34	17	32	30	30	22	30	29
Md 02-5358	24	28	33	26	25	35	37	17	34	27	30	23	34	30
Md 02-5362	26	31	34	20	27	34	39	15	33	27	28	22	32	30
Md 02-5988	29	34	35	28	26	35	38	19	34	28	34	25	39	32
Md 02-651 RR	25	25	31	21	27	37	36	19	38	27	28	25	26	29
S02-2238RR	27	37	37	31	38	36	42	17	37	29	36	27	41	35
S03-007RR	33	39	43	36	44	49	50	25	41	38	37	37	44	41
S03-058RR	31	37	37	36	31	45	49	23	42	34	40	32	40	38
S03-575CR	31	38	40	36	32	46	47	25	41	35	38	32	40	38
TN02-19RR	31	39	35	27	30	35	47	20	37	29	32	30	35	35
V02-7740	32	34	33	28	34	39	37	19	35	29	32	24	29	32
V02-7767	28	30	32	23	27	33	39	19	34	30	32	26	29	31
V02-8706	28	32	34	23	23	36	38	19	33	32	30	24	29	31

\*Data not included in mean

TABLE 16 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005

STRAIN/ VARIETY	JACKSON TN	KNOXVILLE TN	ORANGE* VA	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	SPRINGFIELD TN	STONEVILLE MS	STUTTGART AR	WARSAW VA	MEAN
AG 4201	2.5	1.8	1.0	2.0	3.0	2.8	1.0	2.0	2.5	1.1	2.1
AG 4403	1.5	1.5	1.2	1.8	2.5	2.8	1.2	2.0	2.0	1.0	1.8
AG 4603	1.0	2.2	1.1	1.5	2.5	2.8	1.0	2.0	2.3	1.1	1.8
LN97-15076	2.0	2.2	1.0	2.0	3.5	2.8	1.2	2.0	2.0	1.3	2.1
Md 02-5342	2.5	2.2	1.4	3.8	2.5	3.3	1.3	2.0	2.0	1.4	2.3
Md 02-5358	2.3	2.2	1.5	4.5	3.0	3.3	1.0	3.0	2.5	1.5	2.6
Md 02-5362	1.5	2.5	1.5	3.8	3.5	3.8	1.2	3.0	1.8	1.6	2.5
Md 02-5988	2.3	2.7	1.2	3.3	3.0	3.5	1.2	3.0	2.2	2.5	2.6
Md 02-651 RR	1.0	2.0	1.1	2.0	2.5	2.8	1.0	3.0	1.7	1.0	1.9
S02-2238RR	2.5	3.3	1.4	3.0	3.5	3.5	1.0	4.0	2.7	2.1	2.8
S03-007RR	2.5	3.2	1.5	2.0	3.5	3.5	1.0	3.0	2.3	1.9	2.5
S03-058RR	1.5	1.7	1.5	2.0	3.0	3.0	1.0	3.0	2.7	1.4	2.1
S03-575CR	2.0	4.8	1.4	4.0	4.5	3.5	1.3	4.0	3.3	1.4	3.2
TN02-19RR	2.0	2.5	1.2	1.3	3.5	3.3	1.0	2.0	3.2	1.1	2.2
V02-7740	2.3	1.5	1.0	1.8	4.0	3.0	1.0	2.0	1.8	1.0	2.0
V02-7767	1.0	1.7	1.0	1.5	1.5	1.8	1.0	2.0	1.3	1.0	1.4
V02-8706	1.3	1.5	1.0	1.5	2.5	3.0	1.0	2.0	1.5	1.0	1.7

\*Data not included in mean

TABLE 17 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2005

STRAIN/ VARIETY	JACKSON TN	KNOXVILLE TN	ORANGE* VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	2.8	1.0	1.3	1.0	2.5	3.0	1.5	2.0	2.0	2.0
AG 4403	2.0	2.0	1.3	1.3	3.3	3.0	1.3	2.0	2.0	2.1
AG 4603	2.8	2.0	1.3	1.5	3.8	3.0	2.0	2.0	1.8	2.4
LN97-15076	3.3	2.0	1.5	2.5	4.5	3.0	2.0	2.0	2.5	2.7
Md 02-5342	4.0	4.0	1.3	2.0	3.0	4.0	4.0	2.0	2.9	3.2
Md 02-5358	3.8	4.0	1.0	3.0	3.3	3.0	1.8	3.0	2.0	3.0
Md 02-5362	4.0	3.0	1.3	1.8	4.0	4.0	2.5	2.0	1.9	2.9
Md 02-5988	2.0	2.0	1.0	1.5	3.0	3.0	1.5	2.0	1.7	2.1
Md 02-651 RR	2.3	2.0	1.0	1.5	2.3	3.0	1.5	2.0	2.2	2.1
S02-2238RR	2.5	2.0	1.0	1.5	2.8	3.0	2.0	2.0	2.7	2.3
S03-007RR	2.0	2.0	1.5	0.8	2.3	3.0	1.5	2.0	1.9	1.9
S03-058RR	1.8	2.0	1.3	1.0	3.0	3.0	1.8	2.0	1.7	2.0
S03-575CR	2.5	2.0	1.5	1.0	3.3	3.0	2.0	4.0	2.1	2.5
TN02-19RR	1.5	2.0	1.3	1.5	3.8	3.0	2.0	2.0	1.5	2.2
V02-7740	2.3	2.0	1.0	2.0	4.0	4.0	2.0	2.0	2.0	2.5
V02-7767	3.0	2.0	1.0	2.0	3.0	3.0	2.0	2.0	2.5	2.4
V02-8706	3.0	3.0	1.8	2.3	4.3	3.0	2.3	2.0	2.9	2.8

\*Data not included in mean

## PRELIMINARY GROUP IV-S LATE

2005

Preliminary Group IV-S Late (Relative Maturity 4.6-4.9) nurseries were planted at 13 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5002 T	Holladay × Manokin	
2. DK 4868	Commercial Check RR	
3. AG 4603		
4. AG 4903		
5. K03-4331	KS4997 × K99-46	F5
6. K03-4686 RR	K99-7 × K99-126	F5
7. K03-4691RR	K99-7 × K99-126	F5
8. K03-4698 RR	SS94-7482 × K99-126	F5
9. K03-4702 RR	SS94-7482 × K99-126	F5
10. Md 00-6612	1998 FA plant 101	F5
11. Md 02-5364	Corsica × 1998 FA plant 101	F5
12. Md 02-5367	Corsica × 1998 FA plant 101	F5
13. Md 02-5386	Corsica × 1998 FA plant 101	F5
14. Md 02-773 RR	Md 93-5298 × [Stressland × (Md92-5850 × RR) ]	F5
15. NCC01-153	TN94-213 × Md94-5396	
16. R00-900	Caviness × N92-195	
17. R01-1025	HBK 4890 × R96-1083	
18. R01-3496F	Caviness × PI 594208	
19. R01-769F	Jackson × KS 4895	
20. R99-1613F	NKRA 452 × PI 290126B	
21. S00-9912-56	S94-2086 × MD94-5334	
22. S01-8401	Manokin × S92-2711A	
23. S03-328RR	DP5960RR × P1	
24. S03-392RR	DP5960RR × P1	
25. S03-577CR	LG95-5737 × Savoy	
26. TN02-200	TN94-213 × MD94-5396	
27. TN02-205	TN94-213 × MD94-5396	
28. TN02-225	Fowler × Anand	
29. TN02-275	Fowler × Anand	
30. TN03-12RR	TN93-87 [4] × Monsanto RR	
31. TX 72821	TN93-87 × Md 94-5332	
32. V01-2645	V90-0798 × V91-0731	
33. V01-2697	V90-0798 × Odell	

TABLE 19 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP IV-S LATE, 2005  
 ~ MEAN OF 10 LOCATIONS

STRAIN/ VARIETY	SEED		AVG.		MAT.			SEED		----PERCENT----		SCN	SCN	SCN	FL	PUB.	POD
	YIELD	RANK	RANK	INDEX	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL	2	3	14	COLOR	COLOR	COLOR	
5002 T	51.8	7	15	10/03	1.8	27	2.0	14.7	39.8	21.5	62	65	17	W	T	T	
DK 4868	52.4	5	14	5-	2.0	35	2.3	13.2	41.5+	20.6-	50	90	33	W	G	T	
AG 4603	49.7	11	17	5-	1.9	33	2.5	14.0	41.1+	20.0-	46	15	11	W	T	T	
AG 4903	55.5	1	13	1-	1.8	36	2.1	13.9	41.0+	20.8	62	96	29	P	T	T	
K03-4331	47.1-	19	19	2-	1.6	27	2.2	12.6	41.9+	19.6-	95	102	39	W	T	T	
K03-4686 RR	42.9-	28	22	6-	1.2	23	1.9	12.0	42.3+	20.2-	80	99	42	W	T	T	
K03-4691RR	45.3-	21	20	5-	1.3	24	2.0	12.9	42.4+	21.2	67	129	37	W	T	T	
K03-4698 RR	44.7-	23	20	6-	2.3	31	2.3	13.1	40.0	20.7-	72	18	9	W	T	T	
K03-4702 RR	48.7	14	16	5-	1.6	28	2.0	12.8	41.0+	20.5-	51	15	8	W	T	T	
Md 00-6612	39.7-	31	25	4-	2.2	37	2.9	13.1	43.9+	20.1-	61	92	46	W	T	T	
Md 02-5364	38.4-	33	26	6-	2.0	31	3.3	15.6	45.9+	19.3-	67	69	63	W	T	T	
Md 02-5367	38.7-	32	25	8-	2.0	30	3.9	16.1	45.1+	19.6-	27	82	30	W	T	T	
Md 02-5386	39.8-	30	24	6-	2.0	35	2.8	14.0	43.1+	19.9-	79	82	19	W	T	T	
Md 02-773 RR	44.8-	22	20	4-	2.5	38	2.4	12.8	42.3+	19.9-	66	61	24	P	T	T	
NCC01-153	49.7	11	16	2-	1.5	31	1.9	12.8	40.2	20.0-	93	114	28	S	G	T	
R00-900	48.7	14	16	1-	1.8	30	2.0	14.3	38.7	21.1	106	89	64	W	G	T	
R01-1025	47.3-	18	18	4-	1.8	37	2.3	14.6	40.6	20.4-	63	90	39	P	G	T	
R01-3496F	48.2	17	17	1-	2.0	34	2.1	11.4	43.4+	19.3-	53	34	45	P	G	T	
R01-769F	48.6	15	16	0	1.7	27	1.8	13.1	38.7	20.8	74	110	52	P	G	T	
R99-1613F	48.3	16	17	4-	2.0	37	2.3	14.4	40.6	20.8	87	124	30	W	T	T	
S00-9912-56	53.9	3	13	1-	2.1	33	2.0	11.5	41.1+	19.7-	30	22	2	S	T	T	
S01-8401	41.5-	29	23	4-	2.8	37	3.1	15.6	42.7+	20.4-	5	2	1	W	T	T	
S03-328RR	52.1	6	15	1+	1.8	40	2.2	14.3	42.5+	20.8	52	118	20	W	T	T	
S03-392RR	49.3	12	17	5+	1.8	35	2.5	14.3	42.3+	19.7-	49	128	63	W	T	T	
S03-577CR	43.0-	26	22	4-	2.0	35	2.4	14.4	41.1+	20.9	71	82	54	P	T	T	
TN02-200	45.7-	20	20	1-	1.3	29	1.9	13.2	41.1+	20.4-	73	67	44	P	G	T	
TN02-205	52.7	4	14	1+	1.4	29	1.9	11.7	40.8	19.5-	81	121	35	W	G	T	
TN02-225	50.7	9	16	0	1.6	29	2.3	13.3	42.1+	20.1-	4	1	0	W	T	T	
TN02-275	54.0	2	13	1-	1.6	30	2.2	13.3	38.2-	21.2	24	62	1	P	T	T	
TN03-12RR	50.8	8	16	1-	1.8	32	1.8	11.4	38.1-	21.2	58	74	16	P	G	T	
TX 72821	44.2-	24	20	0	1.6	27	1.9	12.4	39.8	19.3-	9	83	4	P	G	T	
V01-2645	42.9-	28	21	5-	2.0	34	2.5	12.9	42.8+	19.7-	70	77	39	W	G	T	
V01-2697	43.0-	26	22	8-	2.1	36	2.3	11.6	41.8+	19.6-	110	119	37	P	G	T	
OVERALL MEAN	47.1								41.5	20.3							
LSD (.05)	4.3								1.1	0.8							
C.V.	10%								3%	4%							

TABLE 20 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	BIXBY JACKSON*		PINE TREE		PITTSBURG		PLYMOUTH*		PORTAGEVILLE		PRINCETON		PROSPER*		QUEENSTOWN		STONEVILLE		STUTTGART		ULLIN		WARSAW		MEAN
	OK	TN	AR	KS	NC	MO	KY	TX	MD	MS	AR	IL	VA												
5002T	40.4	35.7	44.7	18.8	43.0	77.3	64.9	5.0	55.5	67.3	48.6	61.0	39.9	51.8											
DK 4868	34.0-	31.4	43.0	16.2	36.0	78.4	57.7	1.0	54.0	63.7	68.6+	66.0	42.9	52.4											
AG 4603	35.7	28.0	44.7	21.6	43.8	76.3	59.0	11.0	43.3	57.1-	61.1+	60.0	38.4	49.7											
AG 4903	36.2	46.1	53.5+	21.2	36.3	91.5+	63.9	9.0	47.7	60.9	70.1+	61.4	48.3+	55.5											
K03-4331	31.3-	36.5	36.7	16.2	23.6-	79.5	58.3	13.0	45.3	60.6	50.7	53.4	39.5	47.1-											
K03-4686 RR	26.6-	35.0	35.2-	15.1	40.9	75.3	55.0-	10.0	45.5	41.6-	43.9	50.8	39.9	42.9-											
K03-4691RR	30.2-	37.8	39.9	16.6	41.3	77.3	59.0	9.0	46.7	42.3-	51.4	50.0	39.8	45.3-											
K03-4698 RR	30.8-	39.8	43.4	21.0	25.9	60.9-	56.6-	11.0	41.2-	46.1-	58.4+	49.0	39.8	44.7-											
K03-4702 RR	28.2-	41.5	47.5	21.9	40.0	73.3	55.6-	12.0	46.3	53.0-	62.1+	54.8	44.7	48.7											
Md 00-6612	27.6-	27.0	37.3	20.7	19.7-	65.6-	46.1-	14.0	33.8-	49.8-	41.1	41.3-	33.6	39.7-											
Md 02-5364	23.1-	18.0-	28.5-	19.0	10.8-	66.1-	42.0-	9.0	38.7-	43.5-	45.9	46.1-	31.5-	38.4-											
Md 02-5367	19.6-	23.4	32.9-	15.1	22.3-	64.5-	42.4-	9.0	41.9-	51.7-	34.9-	49.8	34.6	38.7-											
Md 02-5386	22.6-	23.6	33.6-	16.4	13.1-	64.6-	42.4-	1.0	40.1-	49.8-	42.0	47.7-	39.3	39.8-											
Md 02-773 RR	31.1-	29.3	41.3	15.7	15.8-	69.9	53.2-	8.0	47.7	46.2-	58.5+	42.1-	42.5	44.8-											
NCC01-153	29.0-	43.7	42.8	19.5	47.3	76.0	63.2	3.0	50.4	58.8	47.3	60.6	49.3+	49.7											
R00-900	30.2-	52.2+	47.2	15.0-	43.8	75.1	60.2	12.0	48.4	61.6	51.4	50.2	47.8+	48.7											
R01-1025	28.6-	34.0	40.2	17.9	40.0	75.5	50.6-	23.0+	48.1	55.4-	54.4	50.6	51.7+	47.3-											
R01-3496F	25.3-	48.5	47.0	23.1+	32.0	81.2	54.8-	13.0	46.2	52.7-	49.1	55.2	46.9+	48.2											
R01-769F	32.4-	37.2	42.6	19.9	28.9	70.5	59.4	10.0	49.4	53.4-	55.0	53.6	50.4+	48.6											
R99-1613F	33.9-	38.9	42.6	18.6	45.4	74.2	58.8	3.0	41.4-	59.9	53.8	53.1	46.7+	48.3											
S00-9912-56	41.5	45.3	54.2+	28.0+	40.7	88.1+	55.2-	19.0+	45.9	60.6	59.2+	57.5	48.5+	53.9											
S01-8401	27.7-	25.5	38.4	22.5	28.6	52.7-	48.3-	8.0	40.4-	56.2-	41.4	45.0-	42.0	41.5-											
S03-328RR	32.4-	40.1	50.9	17.5	44.8	89.3+	61.9	12.0	47.2	56.8-	64.8+	57.1	43.0	52.1											
S03-392RR	29.6-	25.0	35.9-	20.0	37.1	81.4	56.0-	4.0	46.1	59.8	56.2	63.2	44.7	49.3											
S03-577CR	31.1-	28.3	35.5-	15.4	36.7	71.9	53.8-	12.0	44.7	53.4-	45.3	33.3-	45.6	43.0-											
TN02-200	30.8-	44.3	47.2	20.6	47.7	72.7	59.1	4.0	39.9-	52.4-	45.5	47.4-	41.8	45.7-											
TN02-205	37.2	50.9+	53.3	22.3	58.4	82.1	61.3	13.0	49.7	60.2	51.7	61.7	47.3+	52.7											
TN02-225	35.2	45.1	54.3+	19.7	48.1	87.3+	53.6-	6.0	45.6	57.9-	51.5	59.4	43.0	50.7											
TN02-275	38.5	54.8+	55.4+	25.5+	46.9	82.6	61.7	8.0	57.9	50.1-	61.9+	65.9	40.5	54.0											
TN03-12RR	32.4-	45.0	45.1	22.7+	43.8	85.1	57.9	8.0	46.1	51.7-	68.0+	59.1	39.9	50.8											
TX 72821	35.5	33.6	37.0	19.5	40.8	60.9-	47.6-	7.0	54.7	52.8-	41.6	50.1	42.2	44.2-											
V01-2645	24.0-	29.2	44.1	16.4	29.2	59.8-	53.2-	12.0	52.1	47.9-	39.9-	49.1	42.8	42.9-											
V01-2697	24.5-	28.5	34.4-	18.3	34.6	75.6	47.3-	20.0+	36.9-	54.9-	49.6	46.0-	42.1	43.0-											
L.S.D. (0.05)	5.6	14.1	8.6	3.8	17.5	8.2	8.0	9.0	12.5	9.1	8.1	12.4	6.6	4.3											
C.V. (%)	8.9	19.0	9.9	9.7	23.9	5.4	7.2	0.0	13.3	8.2	9.5	11.4	7.5	10.4											

\*Data not included in mean

TABLE 21 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	PITTSBURG KS	PLYMOUTH* NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	22.9	23.8	21.2	20.8	19.9	22.8	20.3	22.5	21.5
DK 4868	18.9	24.6	20.6	20.7	20.3	21.9	20.7	21.1	20.6
AG 4603	19.5	22.7	19.9	19.9	18.9	20.5	20.1	21.0	20.0
AG 4903	20.9	22.7	19.7	20.2	20.3	21.8	22.2	20.6	20.8
K03-4331	19.0	21.6	19.6	20.2	19.1	20.3	19.7	19.1	19.6
K03-4686 RR	19.3	21.2	20.7	19.2	19.6	21.0	20.7	20.8	20.2
K03-4691RR	21.2	22.2	21.2	21.9	19.2	23.1	20.1	21.7	21.2
K03-4698 RR	19.1	23.3	21.5	22.0	20.5	20.6	21.0	20.1	20.7
K03-4702 RR	19.2	21.7	20.5	20.7	20.1	20.6	21.3	20.8	20.5
Md 00-6612	18.3	22.4	20.0	20.1	19.6	21.4	20.3	20.9	20.1
Md 02-5364	16.9	21.7	20.1	19.5	18.8	19.0	20.8	19.7	19.3
Md 02-5367	16.8	21.1	20.7	19.5	19.1	20.8	20.7	19.5	19.6
Md 02-5386	18.6	21.3	20.5	19.5	19.3	20.6	20.7	20.2	19.9
Md 02-773 RR	19.4	21.2	20.2	21.1	20.2	19.3	20.0	19.2	19.9
NCC01-153	19.6	21.7	19.9	19.9	19.4	20.6	20.3	20.0	20.0
R00-900	20.8	22.8	20.1	21.1	20.2	22.6	22.3	20.5	21.1
R01-1025	19.3	23.0	20.6	20.4	20.4	20.4	21.2	20.3	20.4
R01-3496F	18.8	20.2	19.4	19.0	19.1	19.0	20.1	19.4	19.3
R01-769F	22.0	21.7	20.3	21.1	19.6	21.9	21.0	19.9	20.8
R99-1613F	21.9	22.0	20.5	19.9	20.7	19.8	22.2	20.3	20.8
S00-9912-56	21.2	20.8	19.9	19.4	19.2	19.5	20.4	18.5	19.7
S01-8401	18.7	23.3	21.4	20.4	19.9	20.0	21.5	21.1	20.4
S03-328RR	20.6	21.5	20.5	20.5	20.0	22.3	21.1	20.4	20.8
S03-392RR	19.8	20.2	20.3	19.6	18.5	19.5	20.4	19.7	19.7
S03-577CR	20.7	22.7	21.6	20.6	20.2	21.8	20.2	21.3	20.9
TN02-200	19.6	21.3	21.8	20.3	19.8	20.9	20.3	20.0	20.4
TN02-205	19.9	20.4	20.4	19.6	18.7	19.1	20.0	18.6	19.5
TN02-225	20.9	20.9	20.2	19.8	19.6	19.8	20.9	19.2	20.1
TN02-275	22.6	22.9	21.9	21.5	20.0	20.5	22.0	20.0	21.2
TN03-12RR	21.7	21.2	22.0	21.3	20.8	21.0	21.8	20.1	21.2
TX 72821	18.4	20.7	19.9	19.2	19.2	20.0	20.0	18.3	19.3
V01-2645	20.1	21.4	20.1	19.6	19.2	19.0	20.3	19.8	19.7
V01-2697	19.8	21.6	19.6	20.1	18.8	19.3	20.2	19.4	19.6

\*Data not included in mean

TABLE 22 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	PITTSBURG KS	PLYMOUTH* NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	40.6	38.0	40.2	40.0	39.3	40.7	40.4	37.6	39.8
DK 4868	42.7	36.5	41.0	40.2	41.6	41.1	43.7	40.1	41.5
AG 4603	41.4	39.5	40.6	40.8	41.5	42.8	40.3	40.4	41.1
AG 4903	41.7	40.9	41.2	41.0	40.9	41.0	39.5	41.4	41.0
K03-4331	42.5	42.3	40.5	40.1	42.1	43.0	41.6	43.3	41.9
K03-4686 RR	44.3	41.6	41.3	41.0	42.3	44.2	41.6	41.6	42.3
K03-4691RR	45.0	42.3	41.2	41.1	41.9	44.0	42.6	40.9	42.4
K03-4698 RR	39.7	39.5	40.1	38.6	40.5	40.7	39.5	41.0	40.0
K03-4702 RR	41.7	40.8	40.9	40.5	40.9	41.9	39.9	41.3	41.0
Md 00-6612	45.8	45.8	41.7	42.9	44.1	45.1	43.6	44.1	43.9
Md 02-5364	47.4	45.6	44.8	45.5	45.3	48.2	45.9	44.4	45.9
Md 02-5367	48.0	45.3	42.9	45.7	44.6	48.4	44.2	41.9	45.1
Md 02-5386	44.0	44.9	43.0	43.1	42.6	45.1	41.3	42.7	43.1
Md 02-773 RR	42.9	40.8	41.3	41.5	41.3	43.4	42.9	42.8	42.3
NCC01-153	40.5	40.2	40.1	40.6	41.0	40.6	38.6	40.3	40.2
R00-900	38.1	39.4	39.1	38.5	40.1	39.3	36.3	39.2	38.7
R01-1025	42.4	40.6	39.9	40.5	40.4	40.4	39.4	40.9	40.6
R01-3496F	43.6	46.5	43.0	44.3	43.1	45.4	41.6	42.6	43.4
R01-769F	38.3	37.8	38.5	37.6	40.0	37.5	38.6	40.7	38.7
R99-1613F	40.2	40.9	40.0	41.2	40.0	41.8	38.7	42.0	40.6
S00-9912-56	39.7	42.5	40.7	41.7	41.4	42.8	39.1	42.2	41.1
S01-8401	43.6	42.2	42.8	42.3	41.1	44.6	41.9	42.6	42.7
S03-328RR	42.1	42.4	41.6	42.1	42.6	44.6	40.8	43.7	42.5
S03-392RR	41.1	44.8	40.2	42.9	45.1	43.1	40.8	42.7	42.3
S03-577CR	41.6	40.9	38.7	41.4	41.0	43.3	41.9	40.0	41.1
TN02-200	41.6	42.7	38.1	41.8	41.3	42.8	40.2	42.2	41.1
TN02-205	39.5	42.9	39.1	41.2	40.9	42.6	39.7	42.5	40.8
TN02-225	40.6	41.6	41.0	41.7	43.2	44.0	40.3	44.2	42.1
TN02-275	36.6	36.5	36.8	37.3	39.7	40.2	36.6	40.2	38.2
TN03-12RR	36.9	40.8	36.7	38.1	38.0	39.8	37.0	40.2	38.1
TX 72821	39.0	39.8	38.7	40.9	40.3	40.8	38.0	40.9	39.8
V01-2645	43.5	45.3	41.5	41.2	41.7	45.6	42.9	43.0	42.8
V01-2697	42.3	43.3	40.0	41.5	42.0	44.0	41.1	41.7	41.8

\*Data not included in mean

TABLE 23 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON* TN	PINE TREE AR	PITTSBURG KS	PLYMOUTH* NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	15.0	14.0	17.1	12.5	13.5	17.3	16.3	15.0	12.0	14.5	12.3	14.7
DK 4868	12.5	11.5	13.2	12.6	12.0	15.2	13.5	14.6	11.9	13.4	11.7	13.2
AG 4603	13.1	13.0	13.1	12.9	13.0	15.6	14.8	14.6	15.9	13.6	12.4	14.0
AG 4903	13.3	14.0	13.2	13.2	15.0	15.4	16.8	15.2	12.6	14.1	11.5	13.9
K03-4331	12.0	11.5	14.7	10.0	13.5	13.6	14.2	13.6	12.3	12.6	10.4	12.6
K03-4686 RR	12.7	12.5	13.2	10.3	12.5	13.5	15.2	11.5	10.6	11.2	10.0	12.0
K03-4691RR	13.3	13.0	13.2	10.8	15.0	14.6	16.3	12.6	13.2	11.3	10.8	12.9
K03-4698 RR	12.5	13.5	13.0	12.3	12.5	14.3	16.1	14.2	10.6	13.4	11.9	13.1
K03-4702 RR	11.8	11.5	13.6	10.3	13.5	13.9	15.7	13.8	13.1	12.4	11.0	12.8
Md 00-6612	12.3	12.5	15.2	11.1	14.0	14.6	14.5	12.2	13.3	12.9	12.1	13.1
Md 02-5364	16.4	13.5	14.9	14.5	14.0	17.9	17.1	13.9	16.9	15.1	14.1	15.6
Md 02-5367	18.7	13.0	14.1	14.8	15.5	18.0	17.0	13.9	18.1	15.9	14.9	16.1
Md 02-5386	13.6	12.5	13.7	11.6	13.0	17.7	15.2	13.3	15.2	13.7	12.4	14.0
Md 02-773 RR	13.3	11.0	14.2	9.2	15.0	14.5	15.5	14.3	10.4	12.5	11.2	12.8
NCC01-153	12.9	12.5	15.1	10.5	13.5	13.5	14.9	13.2	11.0	12.6	11.7	12.8
R00-900	14.3	14.0	13.6	12.8	14.5	16.2	16.8	14.9	12.3	14.9	12.8	14.3
R01-1025	14.5	14.5	16.1	12.4	14.5	16.1	16.8	15.1	11.7	15.4	13.3	14.6
R01-3496F	10.4	12.0	15.0	8.4	11.0	11.2	13.4	11.3	11.9	11.0	9.8	11.4
R01-769F	12.8	13.0	14.0	10.7	12.0	14.2	14.9	13.5	13.3	13.3	11.5	13.1
R99-1613F	14.3	14.0	14.7	12.3	15.5	16.5	17.3	14.5	12.7	14.6	12.6	14.4
S00-9912-56	10.6	10.5	13.2	10.3	10.5	12.2	13.7	11.2	10.8	11.5	10.1	11.5
S01-8401	15.6	15.5	13.1	12.7	17.0	13.2	18.0	18.5	16.9	16.9	15.8	15.6
S03-328RR	13.5	16.0	13.2	12.0	15.5	14.6	16.9	16.4	13.6	15.3	13.0	14.3
S03-392RR	13.0	11.0	14.6	11.6	15.0	16.4	15.8	15.0	15.2	14.6	13.0	14.3
S03-577CR	14.0	14.0	13.2	10.9	16.0	16.9	16.6	16.3	15.7	13.0	12.9	14.4
TN02-200	13.4	13.0	14.2	11.3	12.5	14.5	15.6	12.9	12.3	12.4	11.8	13.2
TN02-205	12.6	11.0	13.6	10.0	12.0	12.8	12.3	11.8	11.2	11.3	10.0	11.7
TN02-225	13.0	13.5	14.2	10.7	14.0	12.9	14.6	14.6	13.8	13.9	12.0	13.3
TN02-275	12.5	14.0	13.7	11.3	15.5	12.4	16.6	15.6	12.1	13.9	11.7	13.3
TN03-12RR	10.2	11.0	13.6	8.7	11.5	12.6	13.5	11.7	10.7	12.0	9.8	11.4
TX 72821	10.9	12.0	11.7	9.8	13.0	13.8	13.9	13.6	14.1	12.6	11.5	12.4
V01-2645	10.7	12.5	12.6	11.4	14.0	13.5	15.4	14.8	12.3	13.9	11.9	12.9
V01-2697	11.4	10.0	12.4	10.2	14.0	13.4	13.0	11.3	10.2	11.7	10.6	11.6

\*Data not included in mean

TABLE 24 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	BIXBY JACKSON*		PINE TREE		PITTSBURG		PLYMOUTH*		PORTAGEVILLE		PRINCETON		PROSPER*		QUEENSTOWN		STONEVILLE		STUTTGART		ULLIN		WARSAW		MEAN
	OK	TN	AR	KS	NC	MO	KY	TX	MD	MS	AR	IL	VA												
5002T	23	23	21	26	30	30	37	10	29	28	20	34	24	27											
DK 4868	28	34	35	22	40	46	42	10	39	34	30	41	34	35											
AG 4603	24	29	31	23	41	43	40	20	35	34	28	43	31	33											
AG 4903	28	35	32	25	45	48	42	19	37	36	31	43	38	36											
K03-4331	19	22	17	24	27	31	35	14	30	26	19	36	30	27											
K03-4686 RR	19	17	19	18	28	25	29	11	27	22	15	30	22	23											
K03-4691RR	20	21	19	21	29	25	30	10	28	26	16	34	23	24											
K03-4698 RR	24	28	21	27	29	29	41	13	36	36	22	44	28	31											
K03-4702 RR	21	21	21	27	31	36	37	14	35	26	20	34	27	28											
Md 00-6612	28	33	31	31	37	47	44	22	38	38	27	46	37	37											
Md 02-5364	20	26	28	25	31	37	42	19	35	30	25	36	31	31											
Md 02-5367	24	29	27	22	33	30	38	15	32	30	23	42	30	30											
Md 02-5386	27	33	32	29	35	39	42	12	41	32	26	42	39	35											
Md 02-773 RR	31	37	31	28	38	47	40	41	43	50	36	39	39	38											
NCC01-153	21	28	24	27	32	37	42	12	35	30	21	42	34	31											
R00-900	25	26	21	26	30	36	37	13	34	30	20	38	32	30											
R01-1025	30	37	37	26	41	48	43	21	37	36	31	47	40	37											
R01-3496F	29	37	28	34	32	32	46	15	35	36	25	35	40	34											
R01-769F	20	21	21	24	27	33	38	12	27	26	20	36	29	27											
R99-1613F	30	38	36	26	39	48	45	12	35	40	30	44	38	37											
S00-9912-56	24	32	27	34	37	35	46	16	35	36	28	31	40	33											
S01-8401	26	38	36	27	38	45	46	17	40	36	33	39	39	37											
S03-328RR	30	43	41	28	54	47	49	20	41	42	37	41	43	40											
S03-392RR	28	33	32	25	42	46	42	14	35	36	29	39	35	35											
S03-577CR	29	31	29	27	35	40	47	17	43	34	26	39	38	35											
TN02-200	24	25	25	26	31	33	39	9	29	30	19	36	32	29											
TN02-205	25	26	22	26	35	30	41	13	30	28	20	37	34	29											
TN02-225	26	26	24	24	30	31	38	11	32	28	19	36	33	29											
TN02-275	24	26	23	27	33	32	39	13	34	34	21	36	35	30											
TN03-12RR	31	31	25	31	32	29	42	13	35	34	23	38	34	32											
TX 72821	23	26	25	29	29	24	35	13	32	26	20	29	34	27											
V01-2645	18	36	33	25	40	40	45	20	34	36	27	46	36	34											
V01-2697	25	32	36	24	44	47	41	23	35	40	29	44	36	36											

\*Data not included in mean

TABLE 25 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	JACKSON*	PITTSBURG	PLYMOUTH*	PORTAGEVILLE	PRINCETON	QUEENSTOWN	STONEVILLE	STUTTGART	ULLIN	WARSAW	MEAN
	TN	KS	NC	MO	KY	MD	MS	AR	IL	VA	
5002T	1.0	1.0	2.3	3.0	2.5	2.8	2.0	1.3	2.5	1.1	2.0
DK 4868	1.0	1.0	1.8	3.0	2.0	3.3	3.0	2.8	1.8	1.2	2.3
AG 4603	1.5	1.0	1.8	3.5	2.0	2.3	3.0	2.5	1.5	1.1	2.1
AG 4903	1.3	1.0	3.3	3.0	2.0	2.3	3.0	2.0	1.5	1.5	2.0
K03-4331	1.0	1.0	3.3	2.5	2.5	2.0	2.0	1.2	1.8	1.8	1.8
K03-4686 RR	1.0	1.0	2.3	1.0	1.5	2.0	2.0	1.0	1.0	1.0	1.3
K03-4691RR	1.0	1.0	2.3	1.0	1.8	2.0	2.0	1.0	1.5	1.0	1.4
K03-4698 RR	1.0	1.0	3.3	2.5	4.0	4.0	3.0	1.7	3.0	1.5	2.6
K03-4702 RR	1.0	1.0	2.5	2.0	2.8	2.5	2.0	1.0	2.0	1.1	1.8
Md 00-6612	2.3	1.0	4.0	2.5	2.8	3.3	4.0	2.2	2.5	1.5	2.5
Md 02-5364	1.8	1.0	4.0	2.5	2.5	3.5	3.0	2.0	2.0	1.4	2.2
Md 02-5367	1.8	1.0	2.8	3.0	2.5	2.8	3.0	2.0	2.0	1.5	2.2
Md 02-5386	2.5	1.0	3.0	2.5	2.5	4.0	3.0	1.3	1.8	1.9	2.2
Md 02-773 RR	1.8	1.0	2.8	3.0	3.0	3.5	4.0	3.3	2.8	2.0	2.8
NCC01-153	1.0	1.0	2.0	1.5	2.5	2.8	2.0	1.2	1.3	1.4	1.7
R00-900	1.3	1.0	3.3	2.5	3.0	2.3	2.0	1.0	2.3	1.9	2.0
R01-1025	1.8	1.0	2.5	3.0	2.0	1.8	3.0	2.2	1.5	1.5	2.0
R01-3496F	1.5	1.0	2.3	2.5	2.8	3.0	3.0	1.5	2.3	2.3	2.3
R01-769F	1.0	1.0	2.0	3.0	2.5	2.0	2.0	1.3	1.8	1.9	1.9
R99-1613F	1.5	1.0	2.8	3.0	2.5	2.3	3.0	2.0	2.5	1.9	2.3
S00-9912-56	1.5	1.0	2.8	2.0	3.5	2.8	3.0	2.2	2.5	2.3	2.4
S01-8401	3.5	1.0	4.0	3.5	4.0	3.5	4.0	3.7	3.3	2.7	3.2
S03-328RR	1.0	1.0	2.0	2.5	2.3	2.8	3.0	2.0	1.5	1.4	2.0
S03-392RR	1.0	1.0	2.5	3.0	2.8	2.5	3.0	1.8	1.3	1.2	2.1
S03-577CR	2.3	1.0	3.8	2.5	2.5	3.3	3.0	1.8	2.5	1.5	2.3
TN02-200	1.0	1.0	1.8	1.5	2.3	1.5	2.0	1.0	1.3	1.1	1.5
TN02-205	1.0	1.0	2.8	2.5	2.0	1.8	2.0	1.0	1.5	1.2	1.6
TN02-225	1.0	1.0	3.5	1.5	2.8	2.0	2.0	1.0	2.3	1.9	1.8
TN02-275	1.0	1.0	3.0	2.0	2.8	2.8	2.0	1.2	1.8	1.4	1.8
TN03-12RR	1.5	1.0	3.8	2.0	2.8	3.0	2.0	1.7	2.3	1.8	2.1
TX 72821	1.0	1.0	2.3	1.5	2.3	2.5	3.0	1.3	1.3	1.4	1.8
V01-2645	1.8	1.0	2.5	3.0	2.3	3.3	3.0	2.3	2.0	1.5	2.3
V01-2697	1.8	1.0	4.5	3.0	2.5	2.3	4.0	2.2	2.8	1.4	2.4

\*Data not included in mean

TABLE 26 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2005

STRAIN/ VARIETY	JACKSON*	PINE TREE	PITTSBURG	PLYMOUTH*	PORTAGEVILLE	PRINCETON	QUEENSTOWN	STONEVILLE	ULLIN	WARSAW	MEAN
	TN	AR	KS	NC	MO	KY	MD	MS	IL	VA	
5002T	2.8	2.0	2.0	2.3	3.0	2.0	2.5	2.0	1.0	1.9	2.0
DK 4868	3.8	2.5	2.0	3.3	3.0	2.0	2.3	2.0	2.0	2.8	2.3
AG 4603	3.0	2.3	3.0	3.8	3.0	3.0	2.0	3.0	1.0	2.8	2.5
AG 4903	2.3	1.5	2.0	2.5	3.0	2.0	2.3	3.0	1.0	1.8	2.1
K03-4331	2.0	1.0	2.0	2.8	3.0	2.0	3.5	3.0	1.0	2.4	2.2
K03-4686 RR	2.0	2.5	2.0	2.5	3.0	1.0	1.5	2.0	1.0	2.0	1.9
K03-4691RR	1.8	1.8	2.0	3.0	3.0	3.0	1.8	2.0	1.0	1.7	2.0
K03-4698 RR	2.5	1.5	2.0	3.5	3.0	2.0	2.5	2.0	2.5	2.9	2.3
K03-4702 RR	2.0	1.5	2.0	2.5	3.0	2.0	2.0	2.0	1.5	1.8	2.0
Md 00-6612	3.5	1.8	3.0	4.3	3.0	3.0	3.5	2.0	3.0	4.0	2.9
Md 02-5364	4.3	2.0	4.0	4.5	3.0	4.0	3.8	3.0	3.0	4.0	3.3
Md 02-5367	4.0	3.3	5.0	4.5	4.0	5.0	3.8	2.0	3.5	4.5	3.9
Md 02-5386	3.5	3.0	2.0	2.3	3.0	4.0	2.5	2.0	3.0	3.0	2.8
Md 02-773 RR	2.0	2.3	2.0	2.3	3.0	3.0	3.0	2.0	2.0	1.7	2.4
NCC01-153	1.8	0.8	2.0	2.5	3.0	2.0	2.5	2.0	1.0	1.8	1.9
R00-900	1.5	0.8	2.0	2.3	3.0	2.0	2.5	2.0	1.5	2.2	2.0
R01-1025	2.0	1.8	2.0	2.5	3.0	3.0	2.5	2.0	1.5	2.4	2.3
R01-3496F	1.8	2.0	2.0	2.3	3.0	2.0	2.5	2.0	1.0	2.1	2.1
R01-769F	1.8	0.5	2.0	2.3	3.0	1.0	2.3	3.0	1.0	1.9	1.8
R99-1613F	2.0	2.5	2.0	2.8	3.0	3.0	2.5	2.0	1.0	2.5	2.3
S00-9912-56	1.8	0.5	2.0	3.0	3.0	2.0	3.0	2.0	1.5	1.7	2.0
S01-8401	3.5	3.0	3.0	3.3	3.0	3.0	3.5	3.0	3.5	3.0	3.1
S03-328RR	2.5	1.5	2.0	3.0	3.0	3.0	2.0	3.0	1.5	1.9	2.2
S03-392RR	4.0	0.5	2.0	2.5	3.0	3.0	3.8	3.0	2.5	2.4	2.5
S03-577CR	2.8	1.5	2.0	4.0	3.0	2.0	3.0	3.0	2.0	2.4	2.4
TN02-200	1.5	0.5	2.0	2.8	3.0	2.0	2.3	2.0	1.0	2.4	1.9
TN02-205	1.5	0.5	2.0	2.5	3.0	3.0	2.3	2.0	1.0	1.8	1.9
TN02-225	2.0	1.0	2.0	3.3	3.0	2.0	3.0	2.0	2.0	3.0	2.3
TN02-275	2.0	1.0	2.0	2.5	3.0	2.0	2.5	2.0	2.5	2.3	2.2
TN03-12RR	1.5	1.0	2.0	2.5	3.0	1.0	2.3	2.0	1.5	2.0	1.8
TX 72821	2.0	1.3	2.0	2.0	3.0	2.0	2.3	2.0	1.5	1.5	1.9
V01-2645	2.3	2.3	2.0	4.3	3.0	3.0	3.3	2.0	2.0	2.7	2.5
V01-2697	2.0	2.8	2.0	3.8	3.0	3.0	1.8	2.0	1.0	2.5	2.3

\*Data not included in mean

## UNIFORM GROUP V

2005

Uniform Group V nurseries were planted at 25 locations. Data were obtained from 23 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	Hutcheson × TN89-39	
2. 5002T	N85-578 × Manokin	
3. AG 5501RR		
4. JTN-5104	Fowler × S95-1908	
5. JTN-5204	Fowler × S95-1908	
6. Md 00-6015	Md 92-5769 × N93-54	F5
7. Md 01-206 RR	Md 94-5396 × [Manokin (2) × RR]	F5
8. Md 01-6106	U94-2306 × S95-1908	F5
9. Md 99-6226	V91-2935 × Md 92-5769	F5
10. R00-1551	Hartz 4994 × ASG A5403	
11. R00-1940	Hartz 4994 × NK S59-60	
12. R00-684	Md 92-5769 × N90-541	
13. R01-330	R96-2660 × HBK 5990	
14. R98-1821	Hartz 5545 × KS 4895	
15. S00-9970-09	S94-1867 × Anand	
16. S02-3934RR	DP5960RR × Anand	
17. TN02-134RR	Anand × (TN95-53 × Monsanto RR)	
18. TN02-283	Fowler × Anand	
19. TN05-547RR	5601T (3) × (TN93-99 (3) × Monsanto RR)	
20. TN05-548RR	5601T (3) × (TN93-99 (3) × Monsanto RR)	
21. V00-1242	Hutcheson × Graham	
22. V00-1630	V92-0570 × V88-494	
23. V00-1988	V90-1012 × Clifford	
24. V98-2711	V88-466 × Pioneer P9461	

**TABLE 28 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD*			PROTEIN			OIL		
			2005	04-05	03-05	2005	04-05	03-05	2005	04-05	03-05
5601T	6	10	48.1	51.7	51.2	42.4	41.6	41.7	19.9	19.4	19.2
5002T	4	10	48.4	51.8	51.0	41.2	40.7	40.8	21.5	20.6	20.2
AG 5501RR	20	16	44.9	48.1	.	42.0	41.4	.	19.5	19.5	.
JTN-5104	23	15	43.9	.	.	42.0	.	.	19.5	.	.
JTN-5204	24	17	43.8	.	.	42.1	.	.	19.2	.	.
Md 00-6015	18	13	45.8	50.3	.	37.0	37.3	.	21.9	20.8	.
Md 01-206 RR	16	13	46.3	.	.	41.1	.	.	20.6	.	.
Md 01-6106	17	12	46.1	.	.	42.1	.	.	19.9	.	.
Md 99-6226	2	8	50.6	53.5	52.9	40.0	39.3	39.6	20.5	20.1	19.8
R00-1551	9	12	47.6	51.0	.	40.2	39.6	.	21.0	20.3	.
R00-1940	5	11	48.4	51.3	.	42.7	41.1	.	20.9	20.3	.
R00-684	7	12	47.9	.	.	40.3	.	.	22.1	.	.
R01-330	13	12	46.8	.	.	41.4	.	.	20.8	.	.
R98-1821	1	8	51.4	54.0	52.8	43.9	42.6	42.9	19.6	19.3	19.0
S00-9970-09	3	9	48.9	52.9	.	41.8	41.0	.	20.2	19.6	.
S02-3934RR	22	18	44.2	.	.	40.6	.	.	20.6	.	.
TN02-134RR	21	16	44.8	.	.	41.6	.	.	20.2	.	.
TN02-283	19	14	45.5	.	.	40.5	.	.	20.3	.	.
TN05-547RR	11	12	47.1	.	.	41.3	.	.	19.6	.	.
TN05-548RR	12	13	47.0	.	.	42.7	.	.	20.1	.	.
V00-1242	8	11	47.8	.	.	41.5	.	.	20.3	.	.
V00-1630	14	13	46.7	.	.	39.9	.	.	21.1	.	.
V00-1988	15	12	46.6	51.1	.	42.0	41.0	.	20.6	20.2	.
V98-2711	10	12	47.6	51.7	50.5	41.5	40.7	40.6	20.0	19.5	19.3

\*Data not included in mean: 2005 - Orange, VA; Prosper, TX; Springfield, TN; Ullin, IL  
2004 - Prosper, TX; Starkville, MS  
2003 - Bossier City, LA; Prosper, TX; Rohwer, AR; Starkville, MS

TABLE 28 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
5601T	10/07	1.8	34	2.2	13.4	W	G	T
5002T	4-	1.9	28	2.5	14.1	W	T	T
AG 5501RR	5+	2.1	34	2.3	11.5	P	G	T
JTN-5104	6+	2.0	35	2.5	13.1	W	T	
JTN-5204	1+	2.3	33	2.5	13.8	W	T	
Md 00-6015	6-	1.4	23	2.5	13.5	P	G	
Md 01-206 RR	3-	1.6	31	2.2	11.4	W	G	
Md 01-6106	2-	1.7	31	2.1	13.0	W	G	
Md 99-6226	3-	1.8	28	2.4	14.5	P	G	
R00-1551	2-	2.0	35	2.2	12.8	W	G	
R00-1940	3-	2.3	33	2.2	12.7	P	T	
R00-684	4-	1.5	30	2.3	14.5	P	T	
R01-330	3+	1.8	34	2.3	16.4	P	G	
R98-1821	2-	1.7	30	2.0	11.9	P	G	
S00-9970-09	2-	1.9	32	2.3	13.6	P	T	
S02-3934RR	2+	1.9	34	2.1	13.0	P	T	
TN02-134RR	3-	1.9	31	2.1	11.5	W	T	
TN02-283	0	1.6	29	2.4	13.5	P	T	
TN05-547RR	4+	2.0	35	2.1	12.1	W	G	
TN05-548RR	4+	2.1	37	2.1	13.0	W	G	
V00-1242	1+	1.9	31	2.1	12.6	W	G	
V00-1630	4-	1.5	25	2.5	14.5	P	G	
V00-1988	0	1.8	30	2.2	14.4	P	G	
V98-2711	2-	2.3	28	2.3	13.0	W	T	

TABLE 28 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS						SDS VDX
	SCN 2	SCN 3	SCN 14	SRK GA	PRK GA	SMV	
5601T	52	138	28	3.8	4.8	R	26
5002T	61	150	33	5.0	4.8	S	33
AG 5501RR	48	4	5	5.0	4.8	R	11
JTN-5104	2	1	0	5.0	5.0	S	13
JTN-5204	2	1	2	5.0	5.0	M	13
Md 00-6015	76	149	88	5.0	3.5	R	24
Md 01-206 RR	47	197	52	5.0	4.8	M	43
Md 01-6106	62	158	25	5.0	4.5	S	31
Md 99-6226	85	143	78	5.0	4.5	R	33
R00-1551	28	76	32	5.0	3.5	S	44
R00-1940	26	3	15	4.0	4.8	S	44
R00-684	48	216	68	5.0	4.5	R	30
R01-330	55	33	32	5.0	5.0	R	39
R98-1821	63	201	28	5.0	4.5	S	15
S00-9970-09	19	52	0	2.3	2.8	M	13
S02-3934RR	12	73	0	5.0	4.3	R	17
TN02-134RR	39	25	2	4.8	4.8	M	9
TN02-283	9	94	1	5.0	4.8	S	24
TN05-547RR	87	139	54	3.3	4.5	R	30
TN05-548RR	56	51	38	1.3	5.0	R	39
V00-1242	96	158	45	5.0	4.5	M	28
V00-1630	58	118	33	5.0	4.8	R	22
V00-1988	61	214	76	5.0	4.5	R	20
V98-2711	53	172	78	5.0	4.8	M	52

TABLE 29 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC (A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	45.5	46.6	51.6	42.5	45.1	46.3
5002T	42.3	54.7	54.8	45.3	43.3	48.1
AG 5501RR	37.5	46.3	52.6	44.2	43.4	44.8
JTN-5104	42.5	51.1	53.1	41.8	34.2	44.5
JTN-5204	37.7	52.3	48.4	41.1	39.0	43.7
Md 00-6015	37.7	51.1	50.9	50.0	56.9	49.3
Md 01-206 RR	43.6	47.9	59.3	45.1	52.8	49.7
Md 01-6106	47.7	51.2	49.3	43.6	46.1	47.6
Md 99-6226	42.5	55.0	63.7	47.9	58.6	53.5
R00-1551	41.6	45.9	55.8	40.9	49.0	46.6
R00-1940	45.2	43.2	54.9	37.2	51.9	46.5
R00-684	36.4	53.2	54.0	39.2	55.5	47.7
R01-330	31.4	43.6	56.9	46.0	48.4	45.3
R98-1821	40.2	53.3	55.0	43.1	58.6	50.1
S00-9970-09	46.4	53.9	52.8	45.0	37.1	47.0
S02-3934RR	33.9	50.1	51.9	35.7	38.9	42.1
TN02-134RR	35.2	45.5	54.0	39.3	44.3	43.6
TN02-283	38.6	53.0	57.6	40.4	46.5	47.2
TN05-547RR	43.0	53.4	55.8	38.5	41.1	46.4
TN05-548RR	41.6	50.9	52.5	45.1	41.0	46.2
V00-1242	41.6	49.6	53.3	50.8	45.0	48.1
V00-1630	36.1	45.8	54.2	49.7	46.0	46.4
V00-1988	39.3	53.0	60.4	39.4	44.7	47.4
V98-2711	40.7	55.2	54.1	43.3	48.2	48.3
L.S.D. (0.05)	6.0	5.2	6.6	8.6	11.2	.
C.V. (%)	9.0	6.3	7.4	12.0	14.6	.

TABLE 29 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5601T	39.0	63.4	42.3	20.7	12.9	56.1	58.3	39.4
5002T	51.0	59.8	40.4	19.1	12.7	51.0	60.1	41.0
AG 5501RR	32.5	48.5	37.6	10.8	11.3	50.1	45.3	32.5
JTN-5104	27.0	47.3	37.2	14.3	11.1	51.4	55.9	30.6
JTN-5204	30.5	60.2	36.9	15.2	11.4	48.2	66.6	34.8
Md 00-6015	33.0	57.0	43.5	17.9	13.7	64.3	48.3	36.8
Md 01-206 RR	37.0	47.7	32.8	15.8	12.6	55.3	48.9	32.5
Md 01-6106	44.0	61.8	37.3	20.2	12.9	36.6	45.4	39.0
Md 99-6226	52.0	60.6	45.0	21.6	13.7	59.1	56.3	42.8
R00-1551	48.5	66.7	38.1	20.4	10.9	52.8	42.3	41.0
R00-1940	49.0	64.6	41.1	20.5	11.1	59.3	51.6	41.4
R00-684	45.0	65.9	39.5	18.5	12.8	62.2	55.2	40.8
R01-330	40.0	54.5	41.3	17.9	12.3	55.1	47.3	37.0
R98-1821	58.5	65.9	39.6	17.2	12.5	64.9	53.8	44.1
S00-9970-09	45.0	63.4	44.9	15.7	11.4	54.0	58.7	41.2
S02-3934RR	36.5	56.6	35.9	11.8	11.8	49.5	50.7	35.2
TN02-134RR	39.0	50.5	42.7	9.0	11.7	54.0	54.6	36.0
TN02-283	39.0	53.7	45.6	14.3	12.3	51.2	48.7	37.6
TN05-547RR	37.5	67.1	39.1	13.6	12.5	55.9	50.9	39.0
TN05-548RR	41.0	62.2	38.7	18.0	11.8	58.4	58.3	38.4
V00-1242	42.0	60.2	44.9	11.6	13.8	60.5	49.4	40.2
V00-1630	46.0	64.7	42.0	15.8	12.2	61.7	54.7	41.2
V00-1988	40.5	59.8	38.9	18.9	13.3	61.0	55.3	38.1
V98-2711	42.5	59.0	37.6	18.1	12.1	58.6	50.3	37.8
L.S.D. (0.05)	11.0	13.6	5.6	6.4	1.4	14.5	14.3	.
C.V. (%)	12.8	14.0	8.4	23.4	6.8	15.9	16.5	.

\*Data not included in mean

TABLE 29 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	STUTTGART	MEAN
	AR	MO (A)	MO (B)	MS	AR	
5601T	47.4	73.3	74.0	62.4	58.1	63.0
5002T	43.3	70.4	67.3	64.3	56.7	60.4
AG 5501RR	44.3	65.6	64.4	52.6	71.5	59.7
JTN-5104	54.4	66.2	54.7	43.8	58.7	55.5
JTN-5204	44.7	62.9	63.0	49.1	54.6	54.9
Md 00-6015	35.4	66.5	66.5	61.8	58.7	57.8
Md 01-206 RR	37.3	67.0	66.4	59.1	74.0	60.7
Md 01-6106	49.8	74.9	52.3	41.8	55.4	54.8
Md 99-6226	39.3	76.0	78.7	70.1	55.8	64.0
R00-1551	50.0	68.1	65.9	58.0	63.5	61.1
R00-1940	54.1	72.0	70.6	54.4	59.6	62.1
R00-684	46.9	75.0	73.4	68.9	48.3	62.5
R01-330	51.6	67.5	68.6	52.5	61.2	60.3
R98-1821	48.4	80.9	72.6	71.9	67.7	68.3
S00-9970-09	54.1	66.5	61.3	67.3	58.3	61.5
S02-3934RR	49.3	65.1	58.3	49.8	73.4	59.2
TN02-134RR	47.8	63.9	57.2	51.5	69.1	57.9
TN02-283	43.2	59.0	59.6	57.3	54.0	54.6
TN05-547RR	48.0	70.2	65.5	52.0	68.0	60.7
TN05-548RR	48.1	70.4	61.7	50.0	68.2	59.7
V00-1242	46.4	77.3	65.6	59.4	52.6	60.3
V00-1630	44.2	74.0	65.2	56.3	53.4	58.6
V00-1988	41.4	76.4	68.6	59.5	49.0	59.0
V98-2711	43.7	75.8	73.4	62.6	53.4	61.8
L.S.D. (0.05)	10.2	7.6	7.3	8.1	8.1	.
C.V. (%)	13.4	6.6	6.8	8.6	8.2	.

TABLE 29 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	PROSPER* TX	
5601T	40.2	47.0	26.8	12	38.0
5002T	42.3	50.8	23.9	10	39.0
AG 5501RR	35.3	40.1	34.8	9	36.7
JTN-5104	44.7	47.0	31.5	18	41.1
JTN-5204	38.3	43.2	32.1	11	37.8
Md 00-6015	25.3	47.9	23.3	8	32.2
Md 01-206 RR	39.6	45.0	19.1	9	34.6
Md 01-6106	40.2	49.2	25.7	10	38.4
Md 99-6226	29.4	45.8	26.1	15	33.7
R00-1551	38.5	44.1	24.5	23	35.7
R00-1940	39.2	43.4	30.8	13	37.8
R00-684	33.1	42.9	24.4	13	33.5
R01-330	37.2	47.9	34.4	19	39.9
R98-1821	38.7	45.9	21.8	18	35.5
S00-9970-09	40.2	48.1	34.7	10	41.0
S02-3934RR	35.4	37.6	31.1	11	34.7
TN02-134RR	34.5	44.9	31.1	13	36.8
TN02-283	34.5	46.5	32.9	10	38.0
TN05-547RR	37.5	44.7	26.3	13	36.2
TN05-548RR	36.9	49.4	29.7	13	38.7
V00-1242	39.0	45.4	25.2	7	36.5
V00-1630	28.5	48.8	26.2	18	34.5
V00-1988	33.5	50.5	24.3	10	36.1
V98-2711	33.0	51.9	22.9	13	36.0
L.S.D. (0.05)	4.5	7.5	3.0	8	.
C.V. (%)	7.6	9.9	6.7	0	.

\*Data not included in mean

TABLE 30 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005

## OIL PERCENTAGES

STRAIN/ VARIETY	BELLE		KNOX-		PINE		PITTS-		PORTAGE-		PRINCE-		QUEENS-		STONE-		SUFFOLK VA	ULLIN* IL	WARSAW VA	MEAN
	MINA AL	BIXBY OK	VILLE TN	ORANGE* VA	TREE AR	BURG KS	PLYMOUTH NC	VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD	VILLE MS								
5601T	.	.	19.8	22.3	.	20.7	19.9	19.6	.	19.6	19.1	20.6	.	20.6	19.5	19.9				
5002T	.	.	21.9	22.7	.	22.2	22.8	20.8	.	20.7	19.6	23.5	.	21.2	20.7	21.5				
AG 5501RR	.	.	20.2	22.8	.	21.3	20.0	19.5	.	18.4	18.7	18.5	.	20.3	19.2	19.5				
JTN-5104	.	.	19.1	22.1	.	20.7	20.8	19.2	.	19.2	18.4	19.7	.	20.1	18.7	19.5				
JTN-5204	.	.	18.7	20.8	.	20.8	19.3	18.4	.	20.1	18.8	18.0	.	19.7	19.3	19.2				
Md 00-6015	.	.	21.8	22.8	.	22.9	22.5	22.0	.	21.4	19.5	23.7	.	21.5	21.1	21.9				
Md 01-206 RR	.	.	20.8	23.8	.	18.6	20.5	21.3	.	20.8	19.6	21.6	.	20.1	21.3	20.6				
Md 01-6106	.	.	19.0	21.7	.	20.3	21.0	20.1	.	19.5	18.7	21.3	.	20.1	19.5	19.9				
Md 99-6226	.	.	20.6	22.4	.	21.2	20.2	20.1	.	19.9	19.3	22.0	.	21.3	20.7	20.5				
R00-1551	.	.	20.7	21.2	.	22.0	22.2	20.9	.	20.2	20.0	21.2	.	21.2	20.6	21.0				
R00-1940	.	.	20.5	23.0	.	22.8	22.3	20.6	.	20.4	19.6	20.7	.	21.8	20.0	20.9				
R00-684	.	.	22.1	24.1	.	22.9	22.3	22.6	.	21.3	20.6	23.3	.	22.4	21.6	22.1				
R01-330	.	.	20.9	22.8	.	21.8	21.5	20.7	.	20.1	19.6	21.1	.	21.4	20.6	20.8				
R98-1821	.	.	19.5	22.1	.	20.7	19.1	19.3	.	19.4	18.8	19.7	.	19.5	20.1	19.6				
S00-9970-09	.	.	18.5	22.6	.	21.7	21.5	21.0	.	20.4	18.8	19.9	.	20.2	19.6	20.2				
S02-3934RR	.	.	19.6	23.9	.	21.4	21.0	20.2	.	20.6	20.0	21.2	.	21.3	20.8	20.6				
TN02-134RR	.	.	19.4	23.7	.	21.6	21.5	19.9	.	19.6	18.9	20.8	.	20.5	19.6	20.2				
TN02-283	.	.	19.3	23.4	.	22.0	20.4	20.0	.	20.6	18.9	20.6	.	20.0	20.7	20.3				
TN05-547RR	.	.	19.6	23.2	.	21.2	19.1	19.8	.	19.8	19.4	18.9	.	20.2	19.0	19.6				
TN05-548RR	.	.	20.3	23.0	.	21.4	20.2	19.2	.	20.2	19.5	19.3	.	20.7	20.4	20.1				
V00-1242	.	.	21.1	24.1	.	21.1	20.6	20.3	.	19.5	19.1	20.5	.	20.3	19.9	20.3				
V00-1630	.	.	21.9	22.6	.	21.9	22.1	20.6	.	20.6	19.7	22.0	.	21.2	20.2	21.1				
V00-1988	.	.	20.3	23.1	.	21.4	21.9	20.7	.	20.2	19.7	20.9	.	21.4	19.6	20.6				
V98-2711	.	.	20.1	22.4	.	20.7	19.8	20.1	.	20.1	18.8	21.1	.	20.8	19.3	20.0				

\*Data not included in mean

TABLE 30 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	BELLE		KNOX-		PINE		PITTS-		PORTAGE-		PRINCE-		QUEENS-		STONE-		SUFFOLK		ULLIN*		WARSAW		MEAN
	MINA AL	BIXBY OK	VILLE TN	ORANGE* VA	TREE AR	BURG KS	PLYMOUTH NC	VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD	VILLE MS	VA	VA	IL	VA	VA	VA	VA	VA	VA	VA	
5601T	.	.	43.5	34.9	.	40.0	43.8	40.9	.	41.8	42.3	43.3	.	40.8	43.3	42.4							
5002T	.	.	42.5	33.5	.	39.5	41.9	40.3	.	40.8	41.3	42.2	.	40.2	40.7	41.2							
AG 5501RR	.	.	42.6	32.1	.	39.1	43.1	41.3	.	40.8	42.5	44.4	.	40.2	41.9	42.0							
JTN-5104	.	.	45.0	31.6	.	39.5	42.2	41.2	.	41.7	41.1	43.2	.	38.7	42.4	42.0							
JTN-5204	.	.	45.6	34.4	.	39.0	43.4	42.2	.	40.3	40.3	44.9	.	38.1	41.2	42.1							
Md 00-6015	.	.	37.9	29.6	.	35.7	37.2	34.4	.	38.4	39.6	35.7	.	36.8	36.9	37.0							
Md 01-206 RR	.	.	42.3	29.0	.	42.3	42.5	40.0	.	39.8	41.4	41.0	.	40.1	39.5	41.1							
Md 01-6106	.	.	44.6	34.5	.	40.9	43.3	41.2	.	42.0	41.8	42.4	.	40.2	40.9	42.1							
Md 99-6226	.	.	41.7	31.8	.	37.8	41.7	38.8	.	39.6	41.1	39.4	.	38.9	40.2	40.0							
R00-1551	.	.	41.1	35.7	.	38.0	42.6	38.4	.	40.8	40.1	40.6	.	38.0	40.1	40.2							
R00-1940	.	.	44.3	34.3	.	39.7	44.6	41.9	.	41.8	43.0	45.0	.	40.2	41.5	42.7							
R00-684	.	.	42.4	32.3	.	37.7	42.6	38.5	.	40.8	41.1	39.2	.	39.1	39.8	40.3							
R01-330	.	.	43.0	32.6	.	39.2	43.4	40.6	.	42.0	40.9	42.0	.	39.1	40.3	41.4							
R98-1821	.	.	45.8	35.8	.	42.4	44.2	43.1	.	43.2	43.3	45.9	.	42.9	43.1	43.9							
S00-9970-09	.	.	43.2	31.9	.	38.8	43.1	40.0	.	40.1	43.1	43.2	.	40.3	42.5	41.8							
S02-3934RR	.	.	43.9	29.1	.	39.3	40.8	39.8	.	40.4	39.9	41.5	.	38.9	39.4	40.6							
TN02-134RR	.	.	43.8	31.5	.	38.8	44.0	39.7	.	41.1	42.0	40.1	.	38.4	42.9	41.6							
TN02-283	.	.	43.0	29.5	.	37.2	42.1	39.8	.	39.9	41.4	40.8	.	38.4	39.9	40.5							
TN05-547RR	.	.	42.7	31.6	.	38.8	42.7	40.5	.	40.7	40.7	43.1	.	39.9	41.2	41.3							
TN05-548RR	.	.	43.1	33.7	.	40.8	44.1	42.0	.	42.3	42.4	44.3	.	40.5	42.8	42.7							
V00-1242	.	.	41.1	29.4	.	39.9	44.4	40.0	.	40.7	42.3	41.6	.	40.2	41.8	41.5							
V00-1630	.	.	39.3	33.4	.	36.9	42.6	38.4	.	40.1	40.0	40.3	.	37.7	41.5	39.9							
V00-1988	.	.	43.8	33.6	.	40.6	43.3	39.6	.	41.5	42.6	42.2	.	39.5	42.7	42.0							
V98-2711	.	.	42.6	32.7	.	40.2	43.6	40.3	.	40.6	41.6	41.9	.	40.3	41.5	41.5							

\*Data not included in mean

TABLE 30 ~ Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	BELLE	BIXBY	KNOX-	ORANGE*	PINE	PITTS-	PLYMOUTH	PORTAGE-	PORTAGE-	PRINCE-	QUEENS-	STONE-	SUFFOLK	ULLIN*	WARSAW	MEAN
	MINA AL	OK	VILLE TN	VA	TREE AR	BURG KS	NC	VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD	VILLE MS	VA	IL	VA	
5601T	12.5	13.2	13.9	13.6	13.4	11.0	15.1	15.0	14.2	16.3	13.6	13.4	11.5	13.1	11.4	13.4
5002T	13.3	14.4	13.0	14.8	13.5	10.9	14.6	17.1	14.7	15.7	14.9	16.7	12.4	14.7	11.7	14.1
AG 5501RR	11.7	11.7	11.8	11.0	11.5	10.2	12.2	11.9	11.3	15.0	12.0	9.9	10.3	11.2	10.1	11.5
JTN-5104	12.0	13.2	13.7	11.2	12.4	11.4	14.1	15.1	13.6	14.8	13.5	12.4	12.8	12.6	11.2	13.1
JTN-5204	12.3	13.7	14.2	12.9	13.4	12.2	15.6	15.2	14.4	16.8	14.1	12.8	12.3	13.8	11.9	13.8
Md 00-6015	12.0	13.0	11.5	13.8	12.2	11.3	14.5	15.6	15.1	16.7	14.3	13.7	12.3	14.1	12.8	13.5
Md 01-206 RR	9.4	11.4	11.5	11.7	12.3	8.1	12.1	12.3	12.5	14.5	12.5	10.5	10.6	10.3	10.8	11.4
Md 01-6106	11.2	13.0	13.2	13.6	12.5	11.0	13.9	15.4	14.5	16.8	12.7	11.4	11.7	12.1	11.2	13.0
Md 99-6226	11.9	15.3	13.6	14.8	13.3	12.3	17.4	15.7	14.9	16.7	14.7	15.7	12.7	14.5	13.7	14.5
R00-1551	11.1	13.5	12.0	13.3	13.3	10.7	14.4	14.3	12.9	15.3	13.6	11.2	12.2	13.7	11.5	12.8
R00-1940	11.0	13.1	11.8	14.8	13.2	11.3	12.4	15.0	13.6	15.5	13.8	11.1	10.9	13.2	12.5	12.7
R00-684	12.3	15.4	13.4	15.0	14.9	11.9	15.8	16.1	15.4	17.5	16.4	14.3	11.5	15.1	13.4	14.5
R01-330	14.9	16.1	17.8	17.9	15.2	16.3	17.2	18.6	16.4	19.4	16.9	14.8	15.3	15.3	14.4	16.4
R98-1821	10.4	12.0	10.6	12.3	11.4	10.0	12.7	13.4	11.6	15.0	13.3	11.1	11.0	12.8	11.5	11.9
S00-9970-09	11.9	14.1	14.1	13.8	12.9	11.5	14.5	16.3	13.0	16.7	15.0	13.2	11.9	15.2	11.5	13.6
S02-3934RR	11.4	12.6	13.8	13.5	13.5	11.8	13.4	13.7	12.8	16.0	14.0	12.1	12.3	13.6	11.5	13.0
TN02-134RR	9.9	12.0	12.4	12.1	11.9	10.0	11.5	12.8	12.4	13.5	12.4	9.5	9.9	11.4	10.7	11.5
TN02-283	12.1	13.8	13.8	13.4	12.9	10.7	15.4	16.0	14.2	16.9	13.7	13.4	11.6	13.3	11.5	13.5
TN05-547RR	10.3	12.6	11.8	12.6	13.4	10.4	13.0	13.5	12.6	15.0	13.3	10.4	10.8	12.5	10.7	12.1
TN05-548RR	11.3	13.2	13.6	12.0	13.9	11.0	13.5	15.7	12.9	15.9	13.7	11.2	12.2	13.0	11.2	13.0
V00-1242	10.7	12.0	13.6	12.6	13.5	10.8	14.5	14.3	12.5	14.5	13.0	11.9	11.8	13.1	10.9	12.6
V00-1630	11.8	15.4	14.1	16.7	13.3	11.8	15.9	17.1	15.1	18.6	14.8	15.7	12.5	14.7	12.8	14.5
V00-1988	12.5	14.4	13.5	15.1	13.5	13.6	15.6	16.7	16.8	17.4	15.9	12.0	12.8	15.1	12.2	14.4
V98-2711	11.4	13.4	12.0	13.6	12.7	9.9	14.1	16.1	14.6	15.5	12.6	13.1	11.2	13.1	11.7	13.0

\*Data not included in mean

TABLE 31 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN 5601T,  
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005

STRAIN/ VARIETY	EAST					
	GEORGETOWN DE	PLYMOUTH NC (A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	MEAN
5601T	10/07	10/07	10/27	10/19	09/30	10/12
5002T	-5	-6	-3	0	-5	-4
AG 5501RR	4	6	2	4	13	6
JTN-5104	7	8	2	4	11	6
JTN-5204	4	6	1	0	5	3
Md 00-6015	-10	-10	-11	0	-3	-7
Md 01-206 RR	-3	-4	0	0	2	-1
Md 01-6106	-3	-1	-1	0	4	0
Md 99-6226	-8	-1	-1	0	1	-2
R00-1551	2	-6	-1	0	5	0
R00-1940	0	-5	-4	0	4	-1
R00-684	-1	-2	-3	0	0	-1
R01-330	4	5	2	4	13	6
R98-1821	0	-3	-1	0	2	0
S00-9970-09	-3	-2	-3	4	0	-1
S02-3934RR	0	6	2	0	5	2
TN02-134RR	-1	-2	-1	0	2	0
TN02-283	-1	2	-2	0	1	0
TN05-547RR	0	6	2	4	6	4
TN05-548RR	2	8	2	0	5	3
V00-1242	4	6	0	4	5	4
V00-1630	-5	-8	-6	0	-4	-5
V00-1988	-1	1	-1	0	4	1
V98-2711	-3	5	-2	0	-2	0

TABLE 31 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5601T	09/22	09/22	09/21	10/18	.	10/12	10/07	09/22
5002T	-2	-1	-2	-1	.	-2	-1	-2
AG 5501RR	.	10	8	1	.	0	9	9
JTN-5104	.	10	7	1	.	0	4	8
JTN-5204	-2	4	4	0	.	-2	5	2
Md 00-6015	-4	-4	-3	-1	.	-4	-3	-4
Md 01-206 RR	-1	-1	-3	2	.	-3	-6	-2
Md 01-6106	-1	1	1	1	.	-4	1	0
Md 99-6226	0	-4	0	-1	.	-1	-2	-2
R00-1551	-1	1	0	-1	.	-3	2	0
R00-1940	-5	0	1	-1	.	-3	0	-2
R00-684	-15	-2	-1	-1	.	-2	0	-6
R01-330	-1	10	8	2	.	1	9	5
R98-1821	-3	0	2	-1	.	-1	4	-1
S00-9970-09	-10	1	4	-1	.	-2	4	-2
S02-3934RR	-3	6	3	4	.	0	8	2
TN02-134RR	-4	1	0	0	.	-2	0	-1
TN02-283	-2	2	1	-1	.	0	4	0
TN05-547RR	2	6	7	3	.	1	6	5
TN05-548RR	8	4	7	2	.	2	6	6
V00-1242	-2	3	8	2	.	0	6	3
V00-1630	2	-4	-2	0	.	-2	-2	-2
V00-1988	-4	2	6	0	.	0	5	1
V98-2711	-1	0	-1	-1	.	-3	0	-1

\*Data not included in mean

TABLE 31 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	STUTTIGART AR	MEAN
5601T	10/04	10/03	10/09	09/17	10/07	10/02
5002T	2	-3	-12	-2	-7	-4
AG 5501RR	-1	3	0	10	-2	2
JTN-5104	-3	7	3	7	-1	3
JTN-5204	-6	3	-1	5	-5	-1
Md 00-6015	-13	-10	-7	-3	-4	-7
Md 01-206 RR	-3	-8	-5	-4	-7	-6
Md 01-6106	-5	-2	-5	-2	-4	-4
Md 99-6226	-12	-1	-9	-3	-1	-5
R00-1551	-6	-2	-6	-2	-8	-5
R00-1940	-8	0	-6	-4	-8	-5
R00-684	-9	-4	-9	-3	-4	-6
R01-330	1	3	1	7	-9	1
R98-1821	-6	-1	-6	-2	-3	-4
S00-9970-09	0	0	-7	1	-4	-2
S02-3934RR	0	3	0	10	3	3
TN02-134RR	-14	-4	-7	2	-4	-5
TN02-283	1	0	-5	5	1	0
TN05-547RR	2	5	2	8	3	4
TN05-548RR	2	7	1	8	3	4
V00-1242	0	0	-2	3	-11	-2
V00-1630	-13	-3	-5	-2	-6	-6
V00-1988	0	-1	-4	2	-4	-1
V98-2711	-7	0	-5	-1	-7	-4

TABLE 31 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	PROSPER TX	
5601T	11/13	09/27	.	.	10/21
5002T	0	-7	.	.	-4
AG 5501RR	0	3	.	.	1
JTN-5104	0	9	.	.	4
JTN-5204	0	3	.	.	1
Md 00-6015	0	-7	.	.	-4
Md 01-206 RR	0	-4	.	.	-2
Md 01-6106	0	-3	.	.	-2
Md 99-6226	0	-3	.	.	-2
R00-1551	0	-2	.	.	-1
R00-1940	0	-2	.	.	-1
R00-684	0	-8	.	.	-5
R01-330	0	4	.	.	2
R98-1821	0	0	.	.	0
S00-9970-09	0	-3	.	.	-2
S02-3934RR	0	1	.	.	0
TN02-134RR	0	-5	.	.	-3
TN02-283	0	-1	.	.	-1
TN05-547RR	0	5	.	.	2
TN05-548RR	0	6	.	.	2
V00-1242	0	3	.	.	1
V00-1630	0	-5	.	.	-3
V00-1988	0	1	.	.	0
V98-2711	0	-4	.	.	-3

TABLE 32 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC (A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	36	39	36	41	39	38
5002T	33	31	30	33	31	31
AG 5501RR	36	39	38	35	39	37
JTN-5104	38	37	33	38	42	38
JTN-5204	36	37	30	38	42	37
Md 00-6015	25	27	26	26	29	27
Md 01-206 RR	36	37	35	35	37	36
Md 01-6106	37	37	33	34	34	35
Md 99-6226	28	31	30	30	34	31
R00-1551	40	40	33	37	39	38
R00-1940	38	35	32	35	37	35
R00-684	32	34	30	35	34	33
R01-330	38	43	35	37	44	39
R98-1821	36	34	30	31	33	33
S00-9970-09	33	36	36	37	33	35
S02-3934RR	38	41	36	35	37	38
TN02-134RR	35	35	34	37	37	35
TN02-283	32	37	31	31	38	34
TN05-547RR	37	41	40	36	39	39
TN05-548RR	39	44	36	41	41	40
V00-1242	34	34	35	37	36	35
V00-1630	26	31	29	28	31	29
V00-1988	34	38	32	34	34	34
V98-2711	33	31	31	32	32	32

TABLE 32 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5601T	22	36	37	27	44	12	41	35
5002T	16	31	28	19	38	10	34	28
AG 5501RR	.	40	32	19	42	10	38	38
JTN-5104	.	40	40	28	45	12	41	41
JTN-5204	20	38	39	24	42	10	38	35
Md 00-6015	16	25	24	19	31	10	32	24
Md 01-206 RR	20	35	31	22	39	10	33	31
Md 01-6106	21	36	34	24	37	10	36	32
Md 99-6226	19	31	30	20	36	10	33	29
R00-1551	27	39	37	28	45	10	37	37
R00-1940	22	38	37	24	42	17	35	35
R00-684	19	32	32	23	39	10	36	30
R01-330	22	39	38	27	46	10	34	36
R98-1821	21	33	29	20	37	10	34	30
S00-9970-09	18	36	35	21	41	10	42	33
S02-3934RR	22	37	37	25	42	10	37	35
TN02-134RR	22	37	35	17	39	10	34	33
TN02-283	21	32	37	22	39	10	32	32
TN05-547RR	24	41	34	26	44	10	38	36
TN05-548RR	21	42	39	28	43	10	41	36
V00-1242	19	35	34	22	41	10	33	32
V00-1630	18	30	29	14	33	10	34	27
V00-1988	21	37	32	19	40	10	37	33
V98-2711	17	29	29	19	37	12	33	28

\*Data not included in mean

TABLE 32 ~ Continued

## DELTA

STRAIN/ VARIETY	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	STUTTIGART AR	MEAN
5601T	23	45	40	33	23	33
5002T	21	27	31	34	20	27
AG 5501RR	26	39	42	28	26	32
JTN-5104	31	39	39	26	25	32
JTN-5204	27	40	38	20	25	30
Md 00-6015	15	27	24	20	19	21
Md 01-206 RR	22	38	37	30	24	30
Md 01-6106	26	36	37	32	23	31
Md 99-6226	26	36	36	28	20	29
R00-1551	27	39	39	30	25	32
R00-1940	26	42	36	36	22	32
R00-684	25	35	36	30	19	29
R01-330	24	37	39	33	27	32
R98-1821	23	38	37	32	23	31
S00-9970-09	29	38	42	30	21	32
S02-3934RR	30	38	39	28	28	32
TN02-134RR	31	27	35	24	23	28
TN02-283	21	27	35	24	20	25
TN05-547RR	33	39	42	34	29	35
TN05-548RR	33	51	41	36	30	38
V00-1242	22	39	39	26	22	30
V00-1630	14	28	25	22	17	21
V00-1988	23	38	36	22	19	28
V98-2711	18	31	33	26	19	25

TABLE 32 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	PITTSBURG KS	PROSPER* TX	
5601T	25	25	31	11	27
5002T	22	21	28	11	24
AG 5501RR	24	26	34	11	28
JTN-5104	27	30	33	11	30
JTN-5204	25	27	33	12	28
Md 00-6015	20	17	22	11	20
Md 01-206 RR	24	24	27	11	25
Md 01-6106	25	26	26	12	26
Md 99-6226	21	19	24	12	21
R00-1551	26	32	32	12	30
R00-1940	23	24	31	12	26
R00-684	23	23	27	13	24
R01-330	23	23	34	13	27
R98-1821	25	22	27	13	25
S00-9970-09	21	26	30	14	26
S02-3934RR	27	28	29	14	28
TN02-134RR	21	27	31	14	26
TN02-283	20	21	29	15	23
TN05-547RR	26	29	35	14	30
TN05-548RR	25	29	35	14	30
V00-1242	21	21	28	14	23
V00-1630	20	20	25	15	22
V00-1988	24	24	26	15	24
V98-2711	25	23	25	15	25

\*Data not included in mean

TABLE 33 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V,  
2005

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC (A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	1.0	3.0	3.0	2.3	1.8	2.2
5002T	1.8	3.3	3.5	1.8	1.3	2.4
AG 5501RR	0.7	3.3	3.0	1.5	1.9	2.1
JTN-5104	0.8	3.0	3.2	1.5	1.9	2.1
JTN-5204	2.3	3.0	3.5	1.8	2.3	2.6
Md 00-6015	0.5	2.3	2.0	1.2	1.6	1.5
Md 01-206 RR	0.8	2.3	2.3	2.0	1.4	1.8
Md 01-6106	1.0	3.0	3.0	1.2	1.4	1.9
Md 99-6226	1.5	2.3	2.2	1.0	2.6	1.9
R00-1551	1.8	3.0	2.3	2.0	1.7	2.2
R00-1940	3.2	3.7	2.7	2.0	2.9	2.9
R00-684	1.0	2.0	1.8	1.3	1.7	1.6
R01-330	1.3	2.7	3.0	1.5	1.8	2.1
R98-1821	1.3	2.7	1.7	1.5	1.4	1.7
S00-9970-09	1.0	3.0	3.2	2.0	1.3	2.1
S02-3934RR	2.3	2.7	3.2	1.7	1.5	2.3
TN02-134RR	1.2	3.0	2.7	2.0	1.8	2.1
TN02-283	1.0	2.7	2.3	1.3	1.8	1.8
TN05-547RR	1.8	2.7	3.5	1.8	1.6	2.3
TN05-548RR	2.3	3.0	3.5	2.2	1.8	2.6
V00-1242	1.5	2.7	3.3	1.7	1.6	2.2
V00-1630	0.8	2.7	1.7	1.0	1.1	1.4
V00-1988	1.3	2.3	2.8	2.0	1.1	1.9
V98-2711	3.7	3.3	3.8	2.5	2.2	3.1

TABLE 33 ~ Continued

## SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	SPRINGFIELD* TN	ULLIN* IL	MEAN
5601T	1.0	1.3	2.3	1.5	2.5	3.2	1.8	1.8
5002T	1.0	1.0	2.3	1.3	2.5	2.9	2.0	1.7
AG 5501RR	.	1.7	3.0	1.0	3.7	2.9	2.3	2.8
JTN-5104	.	1.0	3.5	1.2	3.0	3.2	1.7	2.5
JTN-5204	1.0	2.3	4.3	1.3	3.2	2.9	3.0	2.7
Md 00-6015	1.0	1.3	2.2	1.0	2.2	2.5	1.0	1.7
Md 01-206 RR	1.0	1.0	2.5	1.2	2.2	2.9	1.0	1.7
Md 01-6106	1.0	1.7	2.2	1.0	2.7	3.0	1.7	1.9
Md 99-6226	1.0	2.0	2.3	1.0	2.5	2.8	1.3	2.0
R00-1551	1.0	2.0	3.0	1.2	3.0	3.0	2.5	2.3
R00-1940	1.0	2.0	3.3	1.2	3.8	2.9	2.7	2.5
R00-684	1.0	1.3	1.7	1.0	2.7	3.1	1.3	1.7
R01-330	1.0	1.0	3.0	1.2	3.0	3.3	2.5	2.0
R98-1821	1.0	1.7	2.0	1.0	2.8	3.0	1.5	1.9
S00-9970-09	1.0	1.3	2.5	1.2	2.7	3.1	2.8	1.9
S02-3934RR	1.0	1.3	2.7	1.0	3.0	2.9	3.2	2.0
TN02-134RR	1.0	1.3	2.5	1.0	2.8	2.7	1.7	1.9
TN02-283	1.0	1.0	2.5	1.2	2.8	2.6	1.3	1.8
TN05-547RR	1.0	2.0	2.8	1.3	3.0	3.3	1.5	2.2
TN05-548RR	1.0	1.3	2.8	1.3	3.0	3.6	1.8	2.0
V00-1242	1.0	2.0	2.8	1.3	2.8	3.1	1.8	2.2
V00-1630	1.0	2.0	2.5	1.0	2.2	2.8	1.0	1.9
V00-1988	1.0	1.0	2.5	1.2	2.7	3.0	1.3	1.8
V98-2711	1.0	2.3	3.5	1.2	3.3	2.9	3.7	2.5

\*Data not included in mean

TABLE 33 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	STUTTIGART AR	
5601T	3.0	2.5	2.0	1.3	2.2
5002T	3.0	3.0	2.0	1.2	2.3
AG 5501RR	3.5	2.5	2.0	1.5	2.4
JTN-5104	3.5	2.0	3.0	1.7	2.5
JTN-5204	4.0	2.0	3.0	1.7	2.7
Md 00-6015	2.0	1.0	2.0	1.0	1.5
Md 01-206 RR	2.5	2.0	2.0	1.5	2.0
Md 01-6106	3.0	1.5	2.0	1.5	2.0
Md 99-6226	3.0	3.0	2.0	1.0	2.3
R00-1551	4.0	2.0	2.0	1.7	2.4
R00-1940	3.5	3.5	2.0	1.7	2.7
R00-684	3.0	1.0	2.0	1.0	1.8
R01-330	3.0	2.0	2.0	1.5	2.1
R98-1821	3.5	2.5	2.0	1.5	2.4
S00-9970-09	3.5	2.0	2.0	1.0	2.1
S02-3934RR	3.5	2.5	2.0	1.5	2.4
TN02-134RR	3.0	1.0	2.0	1.3	1.8
TN02-283	2.0	1.5	2.0	1.5	1.8
TN05-547RR	3.5	2.0	2.0	1.7	2.3
TN05-548RR	3.0	2.5	2.0	1.7	2.3
V00-1242	3.0	2.5	2.0	1.3	2.2
V00-1630	1.5	1.0	3.0	1.0	1.6
V00-1988	3.0	2.5	3.0	1.0	2.4
V98-2711	3.5	3.0	2.0	1.0	2.4

TABLE 33 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY LA	PITTSBURG KS	
5601T	1.0	1.0	1.0
5002T	1.3	1.0	1.2
AG 5501RR	1.3	1.0	1.2
JTN-5104	1.3	1.0	1.2
JTN-5204	1.3	1.0	1.2
Md 00-6015	1.0	1.0	1.0
Md 01-206 RR	1.0	1.0	1.0
Md 01-6106	1.0	1.0	1.0
Md 99-6226	1.0	1.0	1.0
R00-1551	2.0	1.0	1.5
R00-1940	1.0	1.0	1.0
R00-684	1.0	1.0	1.0
R01-330	1.0	1.0	1.0
R98-1821	1.0	1.0	1.0
S00-9970-09	1.0	1.0	1.0
S02-3934RR	1.0	1.0	1.0
TN02-134RR	1.0	1.0	1.0
TN02-283	1.0	1.0	1.0
TN05-547RR	1.0	1.0	1.0
TN05-548RR	1.0	1.0	1.0
V00-1242	1.0	1.0	1.0
V00-1630	1.0	1.0	1.0
V00-1988	1.0	1.0	1.0
V98-2711	1.3	1.0	1.2

TABLE 34 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2005

STRAIN/ VARIETY	EAST			MEAN
	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	1.5	3.7	2.2	2.5
5002T	2.5	4.0	2.4	3.0
AG 5501RR	1.0	4.0	3.2	2.7
JTN-5104	1.0	3.7	2.9	2.5
JTN-5204	1.0	4.0	3.3	2.8
Md 00-6015	2.8	4.3	2.1	3.1
Md 01-206 RR	1.8	3.3	2.2	2.4
Md 01-6106	1.0	2.0	1.9	1.6
Md 99-6226	2.0	4.3	2.3	2.9
R00-1551	1.0	3.7	2.7	2.5
R00-1940	1.3	2.3	2.7	2.1
R00-684	2.2	4.0	2.2	2.8
R01-330	1.0	3.7	3.1	2.6
R98-1821	1.0	3.0	1.9	2.0
S00-9970-09	1.0	4.0	3.4	2.8
S02-3934RR	1.0	4.0	2.7	2.6
TN02-134RR	1.0	3.7	2.3	2.3
TN02-283	1.3	4.0	3.2	2.8
TN05-547RR	1.0	3.3	2.7	2.3
TN05-548RR	1.0	3.0	2.6	2.2
V00-1242	1.0	3.5	2.6	2.4
V00-1630	2.5	4.3	2.4	3.1
V00-1988	1.0	4.0	2.8	2.6
V98-2711	2.0	3.0	2.3	2.4

TABLE 34 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	BELLE MINA AL	KNOXVILLE TN	ORANGE* VA	PRINCETON KY	ULLIN* IL	
5601T	1.0	1.0	1.3	2.0	1.0	1.3
5002T	1.0	3.0	1.2	2.0	1.7	2.0
AG 5501RR	1.3	2.0	1.2	1.0	1.7	1.4
JTN-5104	1.0	3.0	1.1	2.0	2.3	2.0
JTN-5204	1.0	2.0	1.2	2.0	3.0	1.7
Md 00-6015	1.7	2.0	1.2	2.0	1.7	1.9
Md 01-206 RR	1.0	1.0	1.3	2.0	1.0	1.3
Md 01-6106	1.0	2.0	1.3	2.0	1.3	1.7
Md 99-6226	1.3	1.0	1.0	3.0	1.7	1.8
R00-1551	1.0	1.0	1.0	2.0	1.0	1.3
R00-1940	1.0	2.0	1.0	2.0	2.0	1.7
R00-684	1.0	2.0	1.3	2.0	1.3	1.7
R01-330	1.0	1.0	1.3	2.0	3.0	1.3
R98-1821	1.0	1.0	1.3	2.0	1.0	1.3
S00-9970-09	1.0	2.0	1.3	2.0	1.7	1.7
S02-3934RR	1.0	1.0	1.0	1.0	2.0	1.0
TN02-134RR	1.0	2.0	1.2	2.0	1.3	1.7
TN02-283	1.0	2.0	1.3	2.0	1.7	1.7
TN05-547RR	1.0	2.0	1.2	1.0	1.0	1.3
TN05-548RR	1.0	1.0	1.0	1.0	1.7	1.0
V00-1242	1.0	1.0	1.2	2.0	2.0	1.3
V00-1630	1.0	2.0	1.2	3.0	1.7	2.0
V00-1988	1.0	2.0	1.5	2.0	2.0	1.7
V98-2711	1.0	2.0	1.3	2.0	1.3	1.7

\*Data not included in mean

TABLE 34 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	
5601T	2.2	3.0	3.0	2.0	2.5
5002T	3.2	3.0	3.0	2.0	2.8
AG 5501RR	2.2	3.0	3.0	2.0	2.5
JTN-5104	2.0	3.0	3.0	3.0	2.8
JTN-5204	2.0	4.0	4.0	2.0	3.0
Md 00-6015	2.0	4.0	3.0	2.0	2.8
Md 01-206 RR	2.2	3.0	3.0	2.0	2.5
Md 01-6106	2.0	3.0	3.0	2.0	2.5
Md 99-6226	2.2	3.0	3.0	2.0	2.5
R00-1551	2.0	3.0	3.0	2.0	2.5
R00-1940	2.3	3.0	3.0	2.0	2.6
R00-684	2.2	3.0	3.0	2.0	2.5
R01-330	2.2	3.0	3.0	2.0	2.5
R98-1821	1.7	3.0	3.0	2.0	2.4
S00-9970-09	2.2	3.0	3.0	2.0	2.5
S02-3934RR	1.8	3.0	3.0	2.0	2.5
TN02-134RR	1.8	3.0	3.0	2.0	2.5
TN02-283	1.7	4.0	3.0	2.0	2.7
TN05-547RR	1.7	3.0	3.0	2.0	2.4
TN05-548RR	2.2	3.0	3.0	2.0	2.5
V00-1242	1.7	3.0	3.0	2.0	2.4
V00-1630	2.5	3.0	3.0	2.0	2.6
V00-1988	2.2	3.0	3.0	2.0	2.5
V98-2711	2.3	4.0	3.0	2.0	2.8

TABLE 34 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY LA	PITTSBURG KS	
5601T	2.7	2.0	2.3
5002T	2.3	2.0	2.2
AG 5501RR	3.0	2.0	2.5
JTN-5104	3.3	2.0	2.7
JTN-5204	2.7	2.0	2.3
Md 00-6015	1.7	2.0	1.8
Md 01-206 RR	2.3	2.0	2.2
Md 01-6106	2.7	2.0	2.3
Md 99-6226	2.3	2.0	2.2
R00-1551	2.7	2.0	2.3
R00-1940	2.7	2.0	2.3
R00-684	2.0	2.0	2.0
R01-330	3.0	3.0	3.0
R98-1821	2.7	2.0	2.3
S00-9970-09	2.3	2.0	2.2
S02-3934RR	2.7	2.0	2.3
TN02-134RR	2.0	2.0	2.0
TN02-283	2.5	2.0	2.3
TN05-547RR	3.0	2.0	2.5
TN05-548RR	2.8	2.0	2.4
V00-1242	2.0	2.0	2.0
V00-1630	2.3	2.0	2.2
V00-1988	1.8	2.0	1.9
V98-2711	1.7	2.0	1.8

## PRELIMINARY GROUP V

2005

Preliminary Group V nurseries were planted at 13 locations. Data were obtained from 10 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	Hutcheson × TN89-39	
2. 5002T	N85-578 × Manokin	
3. AG 5501RR		
4. Anand	Holladay × Hartwig	
5. DB01-080	N90-516 × R92-1294	
6. DB01-255	N90-516 × R92-1294	
7. DB01-4249	Stoneville Male Sterile × N90-516	
8. DB01-5463	A5979 × (R92-1294 × HY574)	
9. DS95-217-1-880	Hartwig × (PI437654 × Ripley)	
10. G03-1668 RR	H7242 RR × K1423	F5d
11. G03-1737 RR	H7242 RR × K1423	F5d
12. G03-2282 RR	G94-3117 × Boggs RR	F5d
13. G03-2305 RR	G94-3117 × Boggs RR	F5d
14. G03-2366 RR	G94-3117 × Boggs RR	F5d
15. JTN-033	(S94-1956 × MD94-5396)	
16. JTN-5203	(R93-171 × Anand)	
17. K01-2531	K1364 × IA3010	F5
18. K03-4683 RR	K99-7 × K99-126	F5
19. K03-4684 RR	K99-7 × K99-126	F5
20. K03-4685 RR	K99-7 × K99-126	F5
21. K03-4689 RR	K99-7 × K99-126	F5
22. Md 00-6608	1998 FA plant 101	F5
23. Md 02-337 RR	Md 94-5332 × [Manokin(2) × RR]	F5
24. Md 02-844 RR	Md 94-5396×[Stressland(2)×(Md 92-5850×RR) ]	F5
25. Md 02-858 RR	Md 94-5332 × [Md 92-5850 (3) × RR]	F5
26. Md 02-937 RR	Md 92-5769 (4) × RR	F5
27. N01-138	Clifford × N93-54	F4
28. NCC01-256-RR	Fowler × TN93-87RRF1	F6:10
29. NCC01-285-RR	Fowler × TN93-87RRF1	F6:10
30. NCC01-95	TN93-99 × Fowler	F6:10
31. NCC02-20716	TN93-99 × Fowler	F6:9
32. NCC02-23985-RR	TN99-76194 × TN93-99 RR	F6:9
33. R01-2245	V91-3036 × HBK 5990	
34. R01-2373	V91-3036 × HBK 5990	
35. R01-379	R96-2660 × HBK 5990	
36. R01-976	Hartz 4994 × R95-1470	
37. R99-2512	PIO 9611 × Caviness	
38. S02-2259	DP3519s × LG94-4208	
39. S03-380RR	DP5960RR × P1	
40. S03-382RR	DP5960RR × P1	
41. S03-383RR	DP5960RR × P1	
42. S03-393RR	DP5960RR × P1	
43. TN02-104RR	Anand × (TN95-53 × Monsanto RR)	
44. TN03-011RR	TN93-87 (4) × Monsanto RR	
45. TN03-052RR	TN94-213 (3) × Monsanto RR	
46. TN03-091RR	[N93-132 × (BRIM (2) × N88-431) × (N90-2013 × C1726)	
47. TN03-128RR	TN93-87 (4) × Monsanto RR	
48. TX 72518	TN93-142-17 × J94-7	
49. TX 73461	TN93-99 × S94-1956	
50. V01-0582 RR	V90-1012 (3) × RR	
51. V01-2122	Essex × N90-7199	
52. V01-2245	V91-0223 × V91-3036	
53. V01-3124	V91-2547 × Ky91-1214	
54. V01-3569	SC90-2089 × V88-0404	
55. DB01-344	N90-516 × R92-1294	
56. LS02-4045	K1370 × LS94-3207	

**TABLE 36 ~ GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005 ~ MEAN OF 9 LOCATIONS**

STRAIN/ VARIETY	SEED YIELD	RANK	AVG. RANK	MAT. INDEX	LOGGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----	SCN	SCN	SCN	FL COLOR	PUB. COLOR	POD COLOR	
									PROTEIN	OIL	2	3	14			
5601T	54.7	1	21	10/11	1.9	32	1.9	13.2	42.2	20.1	69	73	44	W	G	T
5002T	52.0	10	24	2-	1.8	26	2.1	14.0	40.6-	21.5+	51	110	43	W	T	T
AG 5501RR	51.1	13	24	4+	2.5	31	1.9	11.4	41.7	19.8	36	18	21	P	G	T
Anand	53.5	4	21	2+	1.5	26	1.9	14.4	39.9-	21.3	11	33	2	P	T	
DB01-080	44.6-	44	33	3-	2.1	30	2.1	15.0	42.4	20.0	33	59	63	W	G	T
DB01-255	46.6-	35	30	2-	1.7	27	2.3	14.5	42.3	20.1	57	58	46	W	T	T
DB01-4249	39.1-	54	41	3-	2.6	24	2.3	12.3	39.8-	20.4	55	101	14	W	G	T
DB01-5463	48.2-	27	28	1+	3.1	28	2.2	13.8	40.2-	20.2	20	27	31	W	T	T
DS95-217-1-880	52.9	6	22	1+	1.5	25	2.0	14.0	39.3-	21.5+	8	14	1	P	T	T
G03-1668 RR	51.0	14	26	1+	2.2	34	1.9	12.5	40.3-	22.0+	23	4	15	P	T	T
G03-1737 RR	43.0-	50	35	4+	2.4	36	2.0	14.3	42.9	19.4	31	21	12	P	T	T
G03-2282 RR	49.6	21	27	4+	2.3	32	1.8	11.4	43.9+	19.6	32	6	39	W	G	T
G03-2305 RR	45.6-	40	32	5+	2.5	34	2.0	13.6	44.8+	19.2	16	2	32	W	G	T
G03-2366 RR	46.5-	36	30	3+	2.5	35	1.9	13.1	42.1	19.9	35	6	24	W	G	T
JTN-033	49.5	22	26	3-	1.7	28	1.8	11.6	42.2	21.3	69	85	39	P	G	
JTN-5203	52.5	7	23	2-	1.7	28	1.9	11.9	40.5-	20.9	18	40	4	W	G	
K01-2531	49.0-	24	29	5-	1.0	25	1.9	15.0	39.8-	21.2	65	11	44	P	T	
K03-4683 RR	41.9-	52	37	8-	1.7	24	2.4	12.4	39.9-	22.8+	53	106	72	W	T	
K03-4684 RR	44.3-	45	35	8-	1.8	26	2.3	13.2	40.8	21.0	96	106	72	W	T	
K03-4685 RR	43.4-	48	36	8-	1.8	25	2.4	12.8	40.4-	22.7+	58	107	42	W	T	
K03-4689 RR	43.0-	50	36	8-	1.6	23	2.6	13.1	40.8	22.5+	69	103	55	W	T	
Md 00-6608	34.8-	56	46	1-	2.5	36	3.3	13.4	43.9+	20.3	84	71	44	W	T	
Md 02-337 RR	43.9-	47	33	1-	1.3	31	2.3	13.8	42.4	20.4	98	99	48	P	T	
Md 02-844 RR	46.3-	37	31	3-	1.7	29	2.0	11.8	43.0	19.4	93	169	70	P	G	
Md 02-858 RR	40.4-	53	38	6-	1.2	24	2.8	12.7	41.8	20.5	111	129	51	P	T	
Md 02-937 RR	45.1-	42	31	5-	1.7	24	2.4	12.4	38.0-	21.1	94	101	88	P	G	
N01-138	45.1-	42	33	2-	1.7	26	2.0	13.6	41.8	19.9	122	129	69	P	G	
NCC01-256-RR	51.5	11	25	0	2.1	31	2.0	12.5	41.3	20.0	45	8	10	P	T	
NCC01-285-RR	49.7	20	26	4-	1.9	28	2.0	12.7	40.3-	20.5	63	88	23	P	T	
NCC01-95	47.5-	28	30	1-	1.8	30	1.9	14.6	40.6-	20.7	97	76	38	W	T	
NCC02-20716	44.2-	46	34	4-	1.0	24	2.0	13.7	38.6-	21.7+	62	94	48	W	T	
NCC02-23985-RR	47.0-	32	30	2+	2.0	32	2.3	12.5	41.0	21.3	70	123	44	W	G	
R01-2245	50.3	18	26	1+	2.9	34	2.2	13.5	43.2	19.8	78	30	23	P	T	
R01-2373	50.2	19	25	0	2.8	33	2.0	13.4	42.1	19.6	61	24	10	P	G	
R01-379	52.0	10	24	1+	2.3	29	1.9	14.7	39.9-	21.1	100	27	24	P	G	
R01-976	53.0	5	22	3+	2.0	32	2.1	14.4	41.1	20.6	76	96	24	P	G	
R99-2512	50.6	16	25	2+	2.5	33	1.9	13.5	42.7	19.1	79	17	23	W	G	
S02-2259	53.7	2	22	2+	2.3	30	1.9	13.7	40.4-	21.3	78	24	25	W	G	
S03-380RR	46.7-	34	31	1+	1.9	35	2.5	16.8	43.4	21.3	81	90	34	W	T	
S03-382RR	48.5-	25	29	1+	2.0	38	2.5	14.7	42.4	21.4+	88	81	36	W	T	
S03-383RR	52.2	8	25	3+	2.3	40	2.5	15.1	42.2	20.6	92	58	17	W	T	
S03-393RR	47.0-	32	31	1+	2.2	38	2.3	14.0	42.7	19.2	68	22	7	W	T	
TN02-104RR	53.6	3	22	1-	1.6	29	1.9	11.3	40.9	20.2	45	73	6	W	T	
TN03-011RR	48.4-	26	30	4-	2.0	33	2.0	12.5	38.4-	21.5+	69	31	32	P	G	
TN03-052RR	42.8-	51	37	0	3.0	46	2.1	13.1	43.3	19.4	74	118	58	W	G	
TN03-091RR	47.4-	29	30	4+	2.7	33	2.1	12.7	40.2-	20.3	78	97	48	P	G	
TN03-128RR	45.7-	39	31	2-	1.9	32	1.9	11.2	41.3	19.9	51	80	8	P	G	
TX 72518	45.0-	43	32	4+	2.0	34	1.8	12.4	41.5	18.5-	64	20	12	P	G	
TX 73461	49.0-	24	28	5+	2.0	32	2.0	13.2	40.1-	20.9	68	59	51	P	G	
V01-0582 RR	47.2-	30	30	1-	1.8	33	1.8	14.5	42.0	21.4+	64	91	23	P	G	
V01-2122	50.3	18	25	2-	2.2	31	1.8	13.0	40.7-	20.8	78	89	37	W	G	
V01-2245	51.1	13	24	0	1.9	30	2.2	12.2	39.7-	21.0	86	130	36	W	G	
V01-3124	38.6-	55	39	7+	2.9	40	1.9	13.5	40.4-	20.2	95	100	57	W	G	
V01-3569	50.6	16	25	7+	2.2	33	1.9	13.0	42.0	19.7	66	154	48	W	G	
DB01-344	46.7-	34	29	3-	1.7	27	2.2	14.1	42.2	20.1	96	77	25	W	T	
LS02-4045	45.8-	38	31	6-	1.9	27	2.6	12.9	41.6	21.5+	68	63	19	W	T	
OVERALL MEAN	47.6								41.3	20.6						
LSD (.05)	5.6								1.5	1.2						
C.V.	13%								3%	5%						

TABLE 37 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN  
PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	PINE TREE AR	PITTS- BURG KS	PLY- MOUTH NC	PORTAGE- VILLE MO(A)	PROSPER* TX	QUEENS- TOWN MD	STONE- VILLE MS	STUTT- GART AR	ULLIN IL	WARSAW* VA	MEAN
5601T	34.1	64.1	48.8	25.1	49.9	90.5	12.0	57.3	60.5	54.6	61.7	30.7	54.7
5002T	38.0	58.6	46.0	26.6	50.0	82.6	15.0	46.5-	58.7	59.4	53.9	29.1	52.0
AG 5501RR	37.6	49.5	49.2	32.6+	49.1	68.9-	11.0	49.4	50.3	64.0+	60.5	34.7	51.1
Anand	29.4	53.5	54.4	30.6+	55.0	75.0-	15.0	57.6	57.2	52.4	69.4	26.1	53.5
DB01-080	24.7-	59.1	38.5	26.1	38.9-	63.1-	12.0	47.8	49.6	53.4	45.0-	30.5	44.6-
DB01-255	24.3-	53.2	39.5	26.6	41.6-	69.1-	6.0	48.6	57.6	49.5	56.0	33.5	46.6-
DB01-4249	25.5-	37.1-	35.5-	27.6	44.1	33.9-	12.0	39.2-	53.6	47.6	46.9-	28.6	39.1-
DB01-5463	30.5	54.5	46.8	28.0	49.3	67.2-	15.0	45.4-	49.2	56.0	55.1	32.2	48.2-
DS95-217-1-880	38.5	51.7	43.6	30.0+	50.7	78.3-	12.0	59.9	62.5	53.7	60.2	31.0	52.9
G03-1668 RR	42.5+	57.8	41.3	29.9+	40.5-	77.4-	12.0	53.3	41.5-	68.5+	57.1	31.0	51.0
G03-1737 RR	34.4	46.1-	39.4	22.0	47.5	57.9-	13.0	47.1	32.5-	57.0	46.4-	26.7	43.0-
G03-2282 RR	36.8	52.3	50.9	27.8	46.6	72.8-	15.0	50.2	26.4-	69.7+	62.4	30.0	49.6
G03-2305 RR	40.9+	45.1-	48.7	29.7+	28.2-	64.2-	16.0	54.3	26.3-	68.2+	50.2	33.5	45.6-
G03-2366 RR	32.8	58.5	42.0	27.9	37.6-	60.4-	14.0	48.4	37.5-	65.1+	55.0	29.0	46.5-
JTN-033	27.9-	61.6	42.1	22.5	44.4	71.5-	17.0	53.8	59.8	51.1	60.5	44.4+	49.5
JTN-5203	21.3-	53.8	53.5	26.7	49.4	84.1	14.0	56.0	59.5	57.0	63.4	48.9+	52.5
K01-2531	29.7	54.1	44.2	26.1	48.0	81.0	13.0	53.6	46.0-	47.9	59.1	47.1+	49.0-
K03-4683 RR	19.0-	48.0-	33.7-	21.9	31.4-	73.8-	13.0	49.3	45.8-	48.7	47.0-	47.3+	41.9-
K03-4684 RR	28.1	50.3	41.4	22.5	39.5-	81.7	13.0	41.2-	49.7	48.7	40.4-	42.1	44.3-
K03-4685 RR	23.1-	38.1-	37.5	18.0-	34.4-	82.5	6.0	48.6	47.9	53.3	50.8	46.9+	43.4-
K03-4689 RR	21.7-	42.6-	32.9-	19.6-	39.0-	76.0-	8.0	52.7	49.5	48.4	47.3-	45.4+	43.0-
Md 00-6608	20.5-	27.9-	28.5-	19.7-	34.0-	65.4-	13.0	35.3-	35.1-	43.1-	38.1-	32.2	34.8-
Md 02-337 RR	15.2-	44.5-	33.9-	22.2	47.7	68.2-	17.0	50.3	50.3	59.0	47.8-	46.9+	43.9-
Md 02-844 RR	30.0	48.6-	41.0	20.5-	42.3-	66.0-	15.0	49.3	48.9	63.4	52.4	37.9	46.3-
Md 02-858 RR	18.1-	32.1-	34.5-	17.6-	38.6-	68.2-	8.0	52.9	45.5-	50.6	46.3-	42.8	40.4-
Md 02-937 RR	17.6-	53.2	33.5-	22.7	53.3	67.7-	6.0	50.7	46.3-	60.2	46.3-	45.9+	45.1-
N01-138	30.3	29.7-	42.2	22.6	41.7-	79.3-	13.0	58.7	39.2-	52.1	55.7	40.3	45.1-
NCC01-256-RR	29.0	58.9	41.1	30.7+	49.9	76.8-	20.0+	53.4	52.9	68.3+	54.2	29.9	51.5
NCC01-285-RR	30.7	61.3	40.3	18.9-	48.4	77.4-	15.0	49.9	50.6	64.3+	54.9	31.9	49.7
NCC01-95	30.6	46.0-	40.6	17.5-	45.6	82.2	13.0	55.5	51.5	53.9	51.8	36.5	47.5-
NCC02-20716	23.9-	29.6-	35.4-	20.2-	48.6	74.5-	18.0	59.8	52.2	42.4-	55.3	35.8	44.2-
NCC02-23985-RR	29.0	44.4-	33.0-	23.6	46.1	73.1-	16.0	57.1	48.1	60.9	54.7	37.2	47.0-
R01-2245	44.7+	65.0	46.0	30.6+	46.7	70.8-	15.0	49.1	34.8-	59.3	56.0	37.7	50.3
R01-2373	38.6	57.2	39.7	31.5+	51.7	65.4-	14.0	49.0	51.4	56.2	61.4	40.5	50.2
R01-379	35.9	64.0	44.3	25.1	48.5	73.0-	16.0	51.3	57.8	65.6+	54.4	40.5	52.0
R01-976	38.7	53.3	52.6	25.1	49.2	79.2-	19.0	50.2	62.5	57.9	61.4	31.7	53.0
R99-2512	40.4+	60.2	41.3	32.0+	45.7	70.6-	19.0	52.9	52.6	57.2	52.8	39.0	50.6
S02-2259	42.8+	60.2	43.1	28.7	48.5	78.1-	22.0+	56.1	56.8	53.9	68.4	30.1	53.7
S03-380RR	26.6-	43.7-	36.4-	19.4-	44.9	76.6-	17.0	47.1	57.4	55.7	59.0	34.9	46.7-
S03-382RR	30.3	46.9-	38.3	22.6	43.6	85.4	14.0	54.8	51.5	58.0	53.8	30.9	48.5-
S03-383RR	32.4	49.4	43.8	27.9	49.7	82.1	17.0	54.8	49.2	70.2+	62.6	35.0	52.2
S03-393RR	27.4-	46.0-	36.5-	26.8	43.1	80.2-	13.0	52.4	40.5-	59.7	57.4	23.6	47.0-
TN02-104RR	35.0	43.5-	55.1	31.5+	50.6	75.3-	14.0	52.8	59.8	69.4+	62.8	29.2	53.6
TN03-011RR	31.9	52.7	42.1	27.9	47.1	78.8-	21.0+	47.7	49.5	70.6+	36.2-	37.1	48.4-
TN03-052RR	30.0	38.0-	37.9	24.2	35.7-	77.8-	15.0	46.9-	25.4-	63.3	48.3-	25.7	42.8-
TN03-091RR	30.4	47.5-	36.3-	22.2	44.7	72.7-	10.0	51.6	43.5-	65.0+	59.8	27.0	47.4-
TN03-128RR	30.6	48.7	36.0-	21.3	41.8-	66.4-	15.0	43.3-	52.1	61.6	55.4	29.6	45.7-
TX 72518	37.5	53.9	42.2	32.0+	42.3-	62.4-	18.0	46.5-	27.3-	55.8	49.9	34.6	45.0-
TX 73461	33.2	56.9	45.4	24.0	47.5	73.7-	17.0	49.9	36.1-	57.8	65.2	30.5	49.0-
V01-0582 RR	27.2-	53.5	41.4	19.7-	48.1	76.1-	14.0	51.1	36.8-	63.8	54.8	34.2	47.2-
V01-2122	30.9	61.1	41.2	25.6	49.3	75.3-	13.0	57.6	49.3	55.1	57.3	37.4	50.3
V01-2245	36.7	57.7	40.1	27.5	52.9	76.4-	17.0	53.1	54.8	57.6	54.0	40.8	51.1
V01-3124	30.1	48.8	41.9	24.4	24.0-	57.8-	1.0-	46.5-	8.5-	54.4	49.9	29.7	38.6-
V01-3569	34.5	55.9	44.5	27.1	60.8+	73.8-	5.0	52.2	37.7-	61.3	57.7	42.6	50.6
DB01-344	18.1-	52.8	44.2	25.6	52.1	67.1-	.	46.3-	57.7	54.0	49.4-	43.7	46.7-
LS02-4045	22.9-	57.8	32.1-	20.5-	44.1	71.3-	21.0+	46.9-	54.6	48.4	59.7	35.0	45.8-
L.S.D. (0.05)	6.2	15.4	11.6	4.1	7.4	9.6	7.0	10.3	13.5	9.2	12.2	13.2	5.6
C.V. (%)	10.1	14.7	14.0	8.2	8.2	6.6	0.0	10.2	14.2	9.9	11.2	18.5	13.4

\*Data not included in mean

TABLE 38 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	PITTSBURG KS	PLYMOUTH NC (A)	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW* VA	MEAN
5601T	20.7	20.6	19.3	18.7	21.2	20.3	19.5	20.1
5002T	22.0	19.8	20.3	19.5	25.2	22.0	20.9	21.5
AG 5501RR	20.3	20.5	19.8	19.1	18.9	20.3	19.6	19.8
Anand	22.4	21.4	21.4	19.1	22.8	20.6	20.4	21.3
DB01-080	21.0	19.1	19.3	18.4	21.3	20.9	19.2	20.0
DB01-255	20.3	20.3	19.3	19.2	20.9	20.5	19.9	20.1
DB01-4249	20.4	20.3	20.9	18.6	21.2	21.1	20.5	20.4
DB01-5463	22.1	19.8	19.4	19.3	20.1	20.3	19.1	20.2
DS95-217-1-880	22.9	22.6	21.3	19.7	22.1	20.6	20.0	21.5
G03-1668 RR	23.9	21.6	21.8	20.4	22.4	21.8	20.4	22.0
G03-1737 RR	20.9	19.6	19.3	18.9	18.2	19.6	18.8	19.4
G03-2282 RR	20.3	19.5	20.1	19.3	17.4	21.2	16.2	19.6
G03-2305 RR	20.0	20.1	19.9	18.3	17.1	19.9	17.8	19.2
G03-2366 RR	20.0	19.2	19.6	18.2	22.5	20.1	15.8	19.9
JTN-033	22.2	22.7	21.3	19.3	22.1	20.1	18.2	21.3
JTN-5203	21.1	22.8	21.5	18.7	20.5	21.0	19.6	20.9
K01-2531	22.5	20.8	21.5	18.9	22.8	20.8	18.8	21.2
K03-4683 RR	23.2	23.9	23.6	21.6	22.7	22.0	21.8	22.8
K03-4684 RR	20.0	23.0	22.0	20.3	19.6	21.2	21.0	21.0
K03-4685 RR	21.2	24.5	23.8	19.8	24.5	22.1	21.9	22.7
K03-4689 RR	22.4	23.6	23.2	20.6	23.0	22.2	21.4	22.5
Md 00-6608	17.4	22.1	20.8	18.5	24.0	19.1	20.5	20.3
Md 02-337 RR	20.4	20.9	20.2	19.4	21.1	20.6	19.6	20.4
Md 02-844 RR	19.6	20.3	18.9	17.7	20.4	19.2	17.5	19.4
Md 02-858 RR	19.0	21.4	20.0	20.0	22.4	20.3	19.4	20.5
Md 02-937 RR	21.2	21.9	21.5	19.0	22.0	21.2	20.2	21.1
N01-138	21.9	21.6	20.1	18.5	16.2	21.2	19.5	19.9
NCC01-256-RR	21.3	19.3	19.6	18.9	20.4	20.7	18.7	20.0
NCC01-285-RR	20.7	20.5	21.0	19.6	20.8	20.4	18.0	20.5
NCC01-95	21.2	20.6	21.1	19.2	22.1	20.0	19.8	20.7
NCC02-20716	22.9	21.7	21.3	19.5	23.4	21.1	20.0	21.7
NCC02-23985-RR	21.3	21.1	21.0	20.4	22.4	21.4	21.2	21.3
R01-2245	22.4	20.2	19.5	18.5	17.9	20.4	20.7	19.8
R01-2373	20.2	18.2	18.3	18.1	23.1	19.4	19.8	19.6
R01-379	22.3	21.2	21.2	19.0	21.5	21.5	21.1	21.1
R01-976	21.5	20.8	20.7	18.8	21.5	20.0	19.2	20.6
R99-2512	20.5	19.1	19.3	18.0	18.0	19.9	19.1	19.1
S02-2259	21.5	22.4	20.6	19.8	22.2	21.5	20.3	21.3
S03-380RR	21.6	21.1	21.4	19.5	23.3	20.9	20.3	21.3
S03-382RR	21.4	20.7	21.4	19.6	24.0	21.5	19.8	21.4
S03-383RR	21.5	19.7	20.5	19.0	22.3	20.7	20.1	20.6
S03-393RR	21.4	19.4	20.2	19.4	14.6	20.1	20.1	19.2
TN02-104RR	22.5	19.1	20.0	18.5	20.9	20.1	18.1	20.2
TN03-011RR	22.9	21.3	21.1	20.1	21.8	21.5	21.6	21.5
TN03-052RR	20.2	19.2	19.8	18.6	18.4	20.0	19.0	19.4
TN03-091RR	22.0	19.5	20.3	19.1	20.6	20.3	20.1	20.3
TN03-128RR	21.4	19.4	20.4	19.8	17.2	20.9	19.9	19.9
TX 72518	20.1	18.1	18.0	17.8	17.9	18.9	18.6	18.5
TX 73461	22.9	21.3	20.7	19.2	21.5	19.9	20.2	20.9
V01-0582 RR	22.3	21.7	20.2	21.3	20.3	22.5	18.7	21.4
V01-2122	22.3	19.6	20.0	19.9	21.0	22.0	21.4	20.8
V01-2245	22.4	19.8	21.0	19.8	21.1	21.8	21.6	21.0
V01-3124	21.6	19.2	20.0	19.0	19.9	21.3	19.5	20.2
V01-3569	21.2	19.0	18.8	18.9	20.7	19.8	19.6	19.7
DB01-344	21.0	19.7	19.5	19.4	20.9	20.2	19.9	20.1
LS02-4045	20.9	22.5	20.3	20.5	23.0	21.9	21.7	21.5

\*Data not included in mean

TABLE 39 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	PITTSBURG KS	PLYMOUTH NC (A)	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW* VA	MEAN
5601T	40.1	45.4	41.1	43.2	42.9	40.6	43.8	42.2
5002T	39.4	43.6	39.5	41.3	40.5	39.3	42.3	40.6
AG 5501RR	40.4	42.1	40.7	42.5	43.9	40.3	42.8	41.7
Anand	38.0	41.9	38.2	41.5	39.9	39.7	43.0	39.9
DB01-080	40.3	46.1	41.7	42.5	45.0	39.0	44.6	42.4
DB01-255	42.0	43.5	41.2	43.2	43.6	40.5	45.2	42.3
DB01-4249	37.9	41.5	39.8	40.9	39.6	39.0	41.3	39.8
DB01-5463	36.2	43.8	39.6	40.8	42.6	38.3	41.0	40.2
DS95-217-1-880	37.3	39.9	38.4	41.2	40.9	38.3	43.5	39.3
G03-1668 RR	38.2	41.8	38.6	40.9	43.3	39.0	43.3	40.3
G03-1737 RR	41.7	42.9	42.1	42.2	46.7	41.6	44.4	42.9
G03-2282 RR	41.5	46.4	43.0	42.0	48.6	41.6	46.2	43.9
G03-2305 RR	43.0	46.4	43.4	44.4	49.8	42.0	46.1	44.8
G03-2366 RR	41.6	44.9	42.1	43.0	40.2	41.0	47.6	42.1
JTN-033	41.5	45.2	40.0	42.7	42.5	41.3	46.7	42.2
JTN-5203	37.3	43.3	39.3	42.0	43.0	38.0	42.4	40.5
K01-2531	36.6	42.4	38.1	41.6	40.9	39.0	43.5	39.8
K03-4683 RR	37.1	43.2	38.9	39.4	41.7	39.0	40.9	39.9
K03-4684 RR	41.0	42.7	39.2	40.5	41.0	40.6	43.3	40.8
K03-4685 RR	41.9	41.7	38.2	39.6	41.5	39.7	41.2	40.4
K03-4689 RR	39.6	44.6	38.7	39.7	43.0	38.9	41.2	40.8
Md 00-6608	44.8	46.4	40.6	43.8	45.6	42.2	41.3	43.9
Md 02-337 RR	41.4	44.3	41.8	42.5	43.4	40.7	42.4	42.4
Md 02-844 RR	41.6	44.2	43.0	43.6	43.1	42.3	45.0	43.0
Md 02-858 RR	41.5	43.7	40.2	40.8	43.6	40.7	43.3	41.8
Md 02-937 RR	39.6	38.9	36.9	38.7	37.1	37.0	39.4	38.0
N01-138	37.5	43.1	40.1	41.5	48.9	39.8	43.5	41.8
NCC01-256-RR	40.3	43.0	41.2	41.7	41.5	40.0	44.4	41.3
NCC01-285-RR	41.4	42.7	38.5	39.1	41.6	38.3	42.5	40.3
NCC01-95	39.3	43.5	39.1	40.2	41.9	39.8	43.3	40.6
NCC02-20716	36.6	40.0	38.2	40.4	38.1	38.4	41.3	38.6
NCC02-23985-RR	38.7	42.2	39.5	40.4	45.9	39.4	39.2	41.0
R01-2245	40.0	45.1	43.5	42.8	47.4	40.6	42.2	43.2
R01-2373	39.9	45.3	43.1	42.7	40.3	41.2	40.5	42.1
R01-379	37.9	41.6	39.8	40.4	40.8	39.1	39.7	39.9
R01-976	39.4	43.6	40.8	41.8	41.3	39.8	40.6	41.1
R99-2512	39.5	43.2	43.1	43.2	46.5	40.7	42.1	42.7
S02-2259	39.1	42.5	40.3	40.9	40.0	39.3	43.4	40.4
S03-380RR	41.9	45.3	42.1	44.2	44.8	41.9	44.8	43.4
S03-382RR	41.4	45.6	40.3	42.6	44.3	40.2	43.9	42.4
S03-383RR	40.6	44.4	41.5	41.4	44.2	41.0	42.7	42.2
S03-393RR	40.6	42.3	41.0	43.1	47.7	41.6	43.6	42.7
TN02-104RR	37.9	43.0	40.3	43.0	41.2	39.7	44.9	40.9
TN03-011RR	34.5	42.5	37.9	38.7	39.8	36.8	39.7	38.4
TN03-052RR	41.1	46.1	41.5	43.5	45.8	41.5	44.7	43.3
TN03-091RR	37.3	43.3	39.6	40.9	40.8	39.3	40.3	40.2
TN03-128RR	38.1	44.1	39.3	41.0	46.6	38.7	41.0	41.3
TX 72518	38.7	44.0	41.4	40.9	43.4	40.5	41.1	41.5
TX 73461	37.0	42.1	39.6	41.5	40.7	39.9	41.5	40.1
V01-0582 RR	40.6	43.9	40.8	41.3	45.3	40.0	46.1	42.0
V01-2122	38.1	42.8	40.1	42.3	42.1	38.9	42.4	40.7
V01-2245	37.3	43.3	39.2	40.3	40.6	37.6	39.1	39.7
V01-3124	37.2	43.0	42.2	42.3	38.3	39.4	41.8	40.4
V01-3569	39.1	43.9	42.2	42.4	42.5	41.6	42.2	42.0
DB01-344	40.7	45.5	41.1	42.6	42.9	40.2	44.1	42.2
LS02-4045	41.1	45.5	39.8	40.4	42.8	39.7	42.6	41.6

\*Data not included in mean

TABLE 40 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	BIXBY	JACKSON	PINE	PITTSBURG	PLYMOUTH	PORTAGE-	QUEENS-	STONE-	ULLIN	WARSAW*	MEAN
	OK	TN	TREE AR	KS	NC	VILLE MO (A)	TOWN MD	VILLE MS			
5601T	12.6	15.0	11.7	11.9	13.8	15.7	13.4	12.0	12.9	12.2	13.2
5002T	13.8	17.0	12.8	10.2	15.9	14.2	13.9	13.2	15.0	11.3	14.0
AG 5501RR	10.9	11.0	10.4	10.0	12.8	11.9	12.1	10.8	12.3	11.0	11.4
Anand	15.0	15.0	13.7	11.5	14.9	16.1	14.3	13.1	15.6	12.0	14.4
DB01-080	14.5	16.5	15.1	13.3	15.5	16.5	13.9	14.8	15.2	12.8	15.0
DB01-255	14.5	16.0	15.0	12.0	14.8	16.0	14.3	13.4	15.0	13.1	14.5
DB01-4249	12.3	13.5	12.1	10.3	12.8	14.7	10.9	11.1	12.7	11.3	12.3
DB01-5463	12.6	15.0	13.6	11.1	14.5	16.9	13.7	11.3	15.2	12.1	13.8
DS95-217-1-880	14.6	15.5	12.5	11.0	13.9	16.5	13.6	13.2	15.3	11.7	14.0
G03-1668 RR	10.9	14.0	12.3	10.8	12.5	14.3	13.2	10.7	13.9	11.2	12.5
G03-1737 RR	12.0	16.5	15.0	12.6	14.0	16.5	15.5	11.4	14.9	12.6	14.3
G03-2282 RR	10.9	13.0	11.1	11.5	11.0	12.2	11.9	8.1	12.8	10.1	11.4
G03-2305 RR	13.3	14.5	14.4	13.0	14.0	13.8	15.0	10.0	14.7	12.5	13.6
G03-2366 RR	13.4	14.5	12.8	13.4	11.6	13.2	14.8	11.0	13.6	11.4	13.1
JTN-033	11.1	13.0	11.6	9.2	12.0	12.6	11.9	10.3	12.6	10.2	11.6
JTN-5203	13.2	11.5	10.7	9.4	11.8	13.8	12.1	11.8	12.5	11.5	11.9
K01-2531	14.5	15.5	14.4	12.0	16.2	17.1	15.4	14.1	16.0	13.3	15.0
K03-4683 RR	12.1	13.5	10.3	11.3	12.2	15.7	12.9	11.9	12.0	12.0	12.4
K03-4684 RR	12.4	15.0	12.3	10.9	13.4	15.3	12.4	14.2	12.5	12.1	13.2
K03-4685 RR	13.2	11.5	11.8	13.0	13.5	15.6	13.9	10.3	12.8	12.9	12.8
K03-4689 RR	12.8	13.5	12.2	11.3	14.1	16.6	14.3	10.4	12.8	12.7	13.1
Md 00-6608	13.2	13.0	12.4	12.7	13.0	16.4	13.4	12.2	14.1	13.3	13.4
Md 02-337 RR	13.1	14.5	13.9	12.9	14.3	15.6	15.2	11.3	13.2	12.8	13.8
Md 02-844 RR	12.1	12.5	12.0	10.5	11.3	12.1	12.0	11.1	12.6	10.6	11.8
Md 02-858 RR	14.7	11.5	11.4	11.6	14.8	15.1	13.4	9.9	12.3	11.2	12.7
Md 02-937 RR	11.6	13.0	12.5	10.6	13.5	13.6	11.9	12.4	12.2	10.8	12.4
N01-138	13.9	11.0	13.4	13.0	14.7	16.2	15.9	8.5	16.0	12.2	13.6
NCC01-256-RR	11.4	13.0	11.8	11.6	13.5	15.0	13.1	10.3	12.6	10.6	12.5
NCC01-285-RR	11.7	14.0	12.3	9.1	14.0	13.7	12.7	13.5	13.4	10.3	12.7
NCC01-95	14.1	15.0	14.4	10.6	15.6	18.0	13.6	14.8	15.3	11.6	14.6
NCC02-20716	12.2	11.5	12.7	11.6	15.5	16.9	15.4	11.9	15.6	12.0	13.7
NCC02-23985-RR	11.9	10.5	12.5	11.3	12.6	13.2	14.1	12.6	14.1	11.1	12.5
R01-2245	12.1	15.5	12.5	11.6	14.0	15.3	13.6	11.7	14.8	12.4	13.5
R01-2373	12.7	14.5	12.8	12.2	13.7	15.5	13.0	12.4	13.9	12.4	13.4
R01-379	13.5	16.0	14.8	13.2	14.9	16.9	14.5	12.3	16.1	13.2	14.7
R01-976	13.0	14.5	15.0	11.1	15.3	16.3	14.7	13.1	16.5	11.3	14.4
R99-2512	12.8	15.0	13.9	13.2	13.3	15.2	13.6	10.2	14.6	12.3	13.5
S02-2259	13.5	15.5	13.4	11.8	13.4	14.3	13.5	12.8	14.8	11.1	13.7
S03-380RR	15.9	15.5	16.9	14.8	18.5	15.0	19.0	16.3	19.1	15.0	16.8
S03-382RR	12.7	14.5	13.1	12.6	15.8	16.6	17.0	14.1	15.7	12.5	14.7
S03-383RR	13.6	15.0	14.3	14.0	15.0	17.0	17.1	13.9	16.3	13.3	15.1
S03-393RR	13.1	14.5	12.9	12.6	14.6	16.5	16.2	10.1	15.8	13.2	14.0
TN02-104RR	11.6	9.5	11.1	11.2	11.6	12.8	12.1	10.2	12.0	10.0	11.3
TN03-011RR	11.7	12.5	14.1	9.9	13.9	13.4	12.7	11.4	12.8	11.3	12.5
TN03-052RR	12.4	12.5	14.4	11.6	13.3	13.8	14.3	11.8	14.1	11.3	13.1
TN03-091RR	12.6	15.0	12.2	11.0	13.7	13.1	13.4	10.1	13.6	10.8	12.7
TN03-128RR	10.5	12.5	11.0	9.3	10.9	12.1	11.5	11.5	11.9	9.6	11.2
TX 72518	11.7	14.0	11.8	11.1	12.3	15.0	11.4	11.1	12.9	11.1	12.4
TX 73461	12.2	15.0	12.4	10.8	12.6	15.1	13.9	11.1	16.1	11.4	13.2
V01-0582 RR	13.0	16.5	14.9	12.0	15.1	15.4	15.1	12.5	15.8	11.6	14.5
V01-2122	11.9	13.5	13.4	11.5	13.4	14.3	14.1	11.4	13.5	10.9	13.0
V01-2245	11.5	13.0	12.6	11.7	12.3	13.1	11.6	11.5	12.5	10.9	12.2
V01-3124	11.0	13.5	12.7	12.6	17.6	16.0	14.4	9.8	13.9	12.0	13.5
V01-3569	11.5	14.0	12.0	11.6	13.8	13.9	14.1	10.9	14.8	12.4	13.0
DB01-344	13.9	14.5	15.2	11.9	14.1	16.2	14.2	12.3	14.4	12.9	14.1
LS02-4045	12.2	14.5	10.3	9.9	14.6	14.4	13.2	12.8	14.4	11.9	12.9

\*Data not included in mean

TABLE 41 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	PINE TREE AR	PITTS- BURG KS	PLY- MOUTH NC	PORTAGE- VILLE MO (A)	PROSPER* TX	QUEENS- TOWN MD	STONE- VILLE MS	STUTT- GART AR	ULLIN IL	WARSAW* VA	MEAN
5601T	20	34	22	32	40	37	21	42	36	24	38	35	32
5002T	20	23	21	27	34	25	23	32	30	21	28	27	26
AG 5501RR	18	30	26	30	42	36	22	38	24	26	38	37	31
Anand	24	22	21	26	33	30	21	34	22	20	34	30	26
DB01-080	22	28	25	31	36	36	22	33	32	21	39	34	30
DB01-255	20	23	21	27	32	30	20	31	30	23	33	32	27
DB01-4249	18	23	21	28	31	19	21	25	24	19	35	31	24
DB01-5463	20	26	23	28	35	35	22	34	26	21	37	34	28
DS95-217-1-880	19	21	17	26	31	30	21	31	26	18	30	30	25
G03-1668 RR	21	32	26	29	40	42	23	39	38	30	39	40	34
G03-1737 RR	18	36	30	36	45	49	20	36	38	31	43	46	36
G03-2282 RR	22	35	24	32	39	36	22	35	34	28	34	39	32
G03-2305 RR	17	35	30	34	44	39	22	43	36	32	32	47	34
G03-2366 RR	20	36	31	35	42	44	22	37	34	29	40	42	35
JTN-033	23	28	21	26	33	35	22	32	28	19	34	37	28
JTN-5203	22	27	21	26	33	37	22	33	30	21	33	41	28
K01-2531	24	21	19	25	28	29	22	33	26	19	27	33	25
K03-4683 RR	21	23	18	22	30	26	22	30	26	17	31	34	24
K03-4684 RR	20	24	19	22	39	29	22	33	20	19	35	32	26
K03-4685 RR	20	22	19	21	32	29	21	35	22	20	31	33	25
K03-4689 RR	18	21	16	21	31	30	22	30	18	20	27	32	23
Md 00-6608	24	37	31	32	49	42	21	43	30	27	43	44	36
Md 02-337 RR	22	26	24	28	39	37	21	40	30	26	38	41	31
Md 02-844 RR	20	26	21	29	35	38	21	36	28	23	35	36	29
Md 02-858 RR	18	24	20	23	30	27	22	34	24	18	28	32	24
Md 02-937 RR	20	23	19	23	28	27	21	33	24	19	30	31	24
N01-138	19	22	22	24	36	33	21	35	26	17	28	34	26
NCC01-256-RR	21	28	21	31	36	37	21	38	33	25	38	34	31
NCC01-285-RR	18	28	19	28	35	35	21	35	28	22	31	37	28
NCC01-95	22	27	24	31	37	33	22	37	32	23	32	37	30
NCC02-20716	17	20	16	23	28	28	21	34	25	18	29	33	24
NCC02-23985-RR	20	33	27	29	39	39	22	38	30	25	39	38	32
R01-2245	23	35	28	34	38	53	23	34	36	27	39	40	34
R01-2373	22	34	23	33	40	42	20	37	36	26	40	42	33
R01-379	24	28	23	31	34	42	22	30	24	23	33	34	29
R01-976	21	30	22	31	37	47	20	37	34	22	37	32	32
R99-2512	25	32	25	33	33	42	22	38	36	27	40	41	33
S02-2259	23	31	23	29	35	36	22	34	30	23	34	30	30
S03-380RR	22	41	28	27	43	44	22	39	36	27	45	38	35
S03-382RR	27	40	41	27	48	50	21	42	36	29	41	37	38
S03-383RR	27	44	40	30	40	48	22	48	40	36	44	44	40
S03-393RR	25	41	31	29	48	46	21	44	40	30	44	36	38
TN02-104RR	22	27	22	28	36	34	21	35	28	24	31	33	29
TN03-011RR	23	32	22	35	40	36	22	38	38	27	37	39	33
TN03-052RR	36	50	42	33	51	49	20	47	61	43	55	47	46
TN03-091RR	22	33	24	31	42	43	20	37	40	30	33	35	33
TN03-128RR	22	30	25	31	37	42	20	31	36	26	37	32	32
TX 72518	24	34	27	31	37	43	21	38	40	29	37	43	34
TX 73461	21	29	31	31	36	39	20	37	36	26	36	37	32
V01-0582 RR	22	35	26	31	40	37	22	40	34	27	38	41	33
V01-2122	22	30	26	27	35	41	21	34	30	22	41	37	31
V01-2245	19	26	24	30	36	38	20	33	32	25	37	40	30
V01-3124	21	39	37	29	50	47	21	45	50	33	47	49	40
V01-3569	26	33	29	31	37	42	20	38	30	27	36	42	33
DB01-344	15	25	21	28	32	36	.	33	32	23	30	35	27
LS02-4045	17	26	21	25	32	31	22	30	30	19	36	33	27

\*Data not included in mean

TABLE 42 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2005

STRAIN/ VARIETY	JACKSON TN	PITTSBURG KS	PLYMOUTH NC (A)	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	STUTTGART AR	ULLIN IL	WARSAW* VA	MEAN
5601T	1.8	1.0	3.0	3.0	3.5	2.0	1.3	1.5	1.4	2.1
5002T	1.5	1.0	3.0	2.5	3.8	2.0	1.3	1.5	1.2	2.1
AG 5501RR	3.0	1.0	3.0	4.0	2.3	2.0	1.7	3.5	1.9	2.6
Anand	1.0	1.0	2.0	2.5	2.3	2.0	1.2	1.8	1.1	1.7
DB01-080	2.8	1.0	3.0	3.0	3.3	2.0	1.8	2.3	2.2	2.4
DB01-255	1.3	1.0	3.0	2.5	2.5	2.0	1.5	1.8	1.4	1.9
DB01-4249	3.0	1.0	4.0	3.5	2.8	3.0	2.3	4.0	1.7	2.9
DB01-5463	2.8	1.0	4.0	4.5	3.8	3.0	2.5	3.0	2.2	3.1
DS95-217-1-880	1.0	1.0	2.0	2.0	2.5	2.0	1.0	1.5	1.1	1.6
G03-1668 RR	2.5	1.0	3.0	4.0	3.3	2.0	1.7	2.3	1.8	2.5
G03-1737 RR	2.5	1.0	3.0	2.5	3.3	3.0	2.0	2.0	1.9	2.4
G03-2282 RR	1.8	1.0	3.0	2.0	3.5	3.0	2.0	2.5	1.8	2.3
G03-2305 RR	3.5	1.0	3.0	4.0	3.0	3.0	2.3	2.8	2.4	2.8
G03-2366 RR	3.3	1.0	4.0	3.0	4.0	2.0	2.7	3.8	2.7	3.0
JTN-033	1.8	1.0	3.0	2.5	2.3	2.0	1.0	1.5	1.6	1.9
JTN-5203	1.0	1.0	2.5	3.0	3.5	2.0	1.2	1.3	2.4	1.9
K01-2531	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.2	1.2
K03-4683 RR	1.8	1.0	2.5	2.0	2.8	2.0	1.0	2.0	1.9	1.9
K03-4684 RR	1.3	1.0	3.0	1.5	3.5	2.0	1.2	3.0	2.0	2.1
K03-4685 RR	1.0	1.0	3.0	1.5	3.3	2.0	1.0	3.0	2.8	2.0
K03-4689 RR	1.0	1.0	2.5	2.5	2.5	2.0	1.0	2.0	2.4	1.8
Md 00-6608	3.5	1.0	3.0	3.0	4.0	3.0	2.2	4.0	2.9	3.0
Md 02-337 RR	1.0	1.0	2.0	1.0	2.3	2.0	1.5	1.0	1.8	1.5
Md 02-844 RR	1.3	1.0	2.5	2.5	3.0	2.0	1.3	1.5	1.2	1.9
Md 02-858 RR	1.0	1.0	1.5	1.0	2.0	2.0	1.0	1.0	1.4	1.3
Md 02-937 RR	1.5	1.0	1.5	3.0	3.5	2.0	1.2	1.8	1.6	1.9
N01-138	1.0	1.0	2.5	3.0	3.0	2.0	1.2	2.0	1.8	2.0
NCC01-256-RR	1.0	1.0	3.0	3.0	3.0	2.0	1.5	1.5	1.5	2.0
NCC01-285-RR	1.5	1.0	3.0	3.0	3.3	2.0	1.2	2.0	2.7	2.1
NCC01-95	1.0	1.0	3.0	3.0	3.5	2.0	1.0	1.8	2.0	2.0
NCC02-20716	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.3	1.2
NCC02-23985-RR	2.8	1.0	3.0	3.0	3.3	2.0	1.3	1.8	1.7	2.3
R01-2245	3.5	1.0	3.5	5.0	4.0	3.0	2.8	3.5	3.0	3.3
R01-2373	3.0	1.0	3.0	3.5	3.0	3.0	1.7	3.5	2.5	2.7
R01-379	2.3	1.0	3.0	3.5	3.3	2.0	1.7	3.8	2.4	2.6
R01-976	2.0	1.0	2.5	3.0	2.8	2.0	1.7	2.8	1.2	2.2
R99-2512	2.5	1.0	2.5	3.5	3.5	2.0	1.8	4.0	2.0	2.6
S02-2259	2.3	1.0	3.0	3.5	3.3	2.0	1.5	2.0	1.1	2.3
S03-380RR	1.8	1.0	2.5	2.5	2.8	3.0	1.8	1.5	1.4	2.1
S03-382RR	2.5	1.0	3.0	2.5	3.0	3.0	1.8	1.5	1.2	2.3
S03-383RR	3.3	1.0	3.0	3.0	3.5	3.0	2.5	2.0	1.7	2.7
S03-393RR	3.0	1.0	3.0	3.0	3.5	3.0	2.2	1.5	1.2	2.5
TN02-104RR	1.0	1.0	2.5	2.5	2.8	2.0	1.3	1.8	1.2	1.9
TN03-011RR	2.0	1.0	3.0	3.0	3.5	2.0	1.7	1.5	1.9	2.2
TN03-052RR	3.5	1.0	3.0	3.5	3.3	4.0	3.3	2.3	2.3	3.0
TN03-091RR	2.3	1.0	3.0	3.0	3.5	4.0	2.0	2.8	1.8	2.7
TN03-128RR	1.5	1.0	3.0	3.0	2.3	3.0	1.5	2.0	1.1	2.2
TX 72518	2.3	1.0	3.0	2.5	3.0	3.0	1.7	2.0	2.3	2.3
TX 73461	2.0	1.0	3.0	2.5	3.0	3.0	1.5	1.8	1.8	2.2
V01-0582 RR	2.0	1.0	3.0	3.0	2.3	2.0	1.2	1.5	2.2	2.0
V01-2122	3.0	1.0	3.0	3.5	3.3	2.0	1.5	2.3	2.1	2.4
V01-2245	1.8	1.0	3.0	3.0	3.3	2.0	1.5	2.0	1.9	2.2
V01-3124	3.5	1.0	3.0	3.0	3.0	5.0	2.3	2.8	2.3	2.9
V01-3569	2.0	1.0	3.0	3.0	3.0	3.0	2.2	2.5	2.4	2.5
DB01-344	1.8	1.0	2.0	2.5	2.3	2.0	1.8	2.0	2.4	1.9
LS02-4045	1.3	1.0	3.0	2.5	3.5	2.0	1.0	2.0	1.5	2.0

\*Data not included in mean

**TABLE 43 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V,  
2005**

STRAIN/ VARIETY	JACKSON TN	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW* VA	MEAN
5601T	2.0	2.0	2.0	3.0	1.5	2.0	1.0	2.9	1.9
5002T	1.8	2.8	2.0	3.0	2.5	2.0	1.0	3.9	2.1
AG 5501RR	2.3	2.3	1.0	4.0	1.0	2.0	1.0	3.9	1.9
Anand	1.5	2.0	2.0	3.0	1.5	2.0	1.0	4.0	1.9
DB01-080	1.8	1.8	3.0	3.0	2.0	2.0	1.0	1.8	2.1
DB01-255	2.3	2.3	2.0	4.0	2.5	2.0	1.0	2.0	2.3
DB01-4249	2.0	2.0	2.0	4.0	2.0	3.0	1.0	2.6	2.3
DB01-5463	2.0	3.0	2.0	4.0	1.3	2.0	1.0	2.7	2.2
DS95-217-1-880	1.5	1.8	3.0	3.0	1.0	3.0	1.0	3.7	2.0
G03-1668 RR	2.0	2.3	2.0	3.0	1.0	2.0	1.0	4.2	1.9
G03-1737 RR	2.3	2.8	2.0	3.0	1.0	2.0	1.0	4.0	2.0
G03-2282 RR	1.5	1.8	2.0	3.0	1.0	2.0	1.0	3.8	1.8
G03-2305 RR	2.3	2.8	2.0	3.0	1.0	2.0	1.0	4.5	2.0
G03-2366 RR	1.8	1.8	2.0	3.0	1.0	3.0	1.0	4.7	1.9
JTN-033	1.5	1.0	2.0	4.0	1.0	2.0	1.0	2.9	1.8
JTN-5203	2.0	1.8	2.0	3.0	1.3	2.0	1.0	3.3	1.9
K01-2531	2.0	1.8	2.0	3.0	1.5	2.0	1.0	2.5	1.9
K03-4683 RR	2.0	2.5	3.0	4.0	1.5	3.0	1.0	3.0	2.4
K03-4684 RR	2.3	2.3	2.0	3.0	2.0	3.0	1.5	3.0	2.3
K03-4685 RR	2.5	3.3	2.0	4.0	2.3	2.0	1.0	3.0	2.4
K03-4689 RR	2.3	3.3	3.0	4.0	2.0	3.0	1.0	3.3	2.6
Md 00-6608	4.0	3.3	3.0	4.0	3.5	3.0	2.0	4.8	3.3
Md 02-337 RR	2.5	3.0	3.0	3.0	1.8	2.0	1.0	2.7	2.3
Md 02-844 RR	1.5	2.3	2.0	3.0	2.0	2.0	1.0	2.2	2.0
Md 02-858 RR	3.5	3.3	3.0	4.0	1.8	3.0	1.0	4.2	2.8
Md 02-937 RR	2.0	2.8	3.0	4.0	2.3	2.0	1.0	1.5	2.4
N01-138	1.8	2.8	2.0	3.0	1.5	2.0	1.0	2.2	2.0
NCC01-256-RR	2.0	2.3	2.0	3.0	1.0	2.0	1.5	4.3	2.0
NCC01-285-RR	1.5	1.8	2.0	3.0	2.5	2.0	1.0	4.0	2.0
NCC01-95	2.0	1.5	2.0	3.0	1.0	3.0	1.0	3.5	1.9
NCC02-20716	2.3	2.8	2.0	3.0	1.3	2.0	1.0	3.7	2.0
NCC02-23985-RR	2.0	2.8	2.0	4.0	1.0	3.0	1.0	4.5	2.3
R01-2245	1.8	2.0	4.0	3.0	1.0	2.0	1.5	3.9	2.2
R01-2373	1.8	2.0	2.0	3.0	1.0	3.0	1.0	4.4	2.0
R01-379	1.5	2.8	2.0	3.0	1.0	2.0	1.0	3.6	1.9
R01-976	2.0	3.0	2.0	4.0	1.0	2.0	1.0	3.5	2.1
R99-2512	2.0	2.5	2.0	3.0	1.0	2.0	1.0	4.4	1.9
S02-2259	1.5	2.8	2.0	3.0	1.3	2.0	1.0	3.7	1.9
S03-380RR	2.3	2.5	2.0	4.0	2.0	3.0	1.5	4.0	2.5
S03-382RR	3.8	2.0	3.0	3.0	1.8	3.0	1.0	4.7	2.5
S03-383RR	3.5	2.5	2.0	4.0	1.0	3.0	1.5	4.8	2.5
S03-393RR	3.0	3.3	2.0	4.0	1.0	2.0	1.0	3.9	2.3
TN02-104RR	2.0	2.3	2.0	3.0	1.0	2.0	1.0	2.9	1.9
TN03-011RR	2.3	2.0	2.0	3.0	1.5	2.0	1.0	2.3	2.0
TN03-052RR	2.3	3.3	2.0	3.0	1.0	2.0	1.0	3.5	2.1
TN03-091RR	2.3	2.3	2.0	4.0	1.0	2.0	1.5	3.8	2.1
TN03-128RR	1.8	2.5	2.0	3.0	1.0	2.0	1.0	2.8	1.9
TX 72518	1.8	2.0	2.0	3.0	1.0	2.0	1.0	4.1	1.8
TX 73461	1.8	2.3	2.0	4.0	1.0	2.0	1.0	4.8	2.0
V01-0582 RR	1.8	2.0	2.0	3.0	1.0	2.0	1.0	2.5	1.8
V01-2122	1.5	1.8	2.0	3.0	1.0	2.0	1.0	3.0	1.8
V01-2245	2.3	2.0	3.0	4.0	1.0	2.0	1.0	3.2	2.2
V01-3124	2.3	2.3	2.0	3.0	1.0	2.0	1.0	3.3	1.9
V01-3569	1.8	2.3	2.0	3.0	1.0	2.0	1.0	3.5	1.9
DB01-344	2.0	2.0	2.0	4.0	2.0	2.0	1.5	2.4	2.2
LS02-4045	2.0	2.8	3.0	4.0	3.5	2.0	1.0	4.7	2.6

\*Data not included in mean

## UNIFORM GROUP VI

2005

Uniform Group VI nurseries were planted at 20 locations. Data were obtained from 19 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	Centennial × Young	
2. BOGGS RR	Boggs × RR	
3. NC-ROY	Holladay × Brim	
4. Au00-027	R92-1258 × Au92-763	F5
5. N01-10974	N6201 × N95-7390	F4
6. NCC02-307	Anand × Md 94-5396	
7. NCC02-317	TN93-142-17 × Fowler	
8. NCC02-329	TN93-99 × Anand	
9. NTCPPR-01-163	Dillon × Tamahikari	F4
10. R96-1559	A6297 × A5403	
11. R97-1801	Manokin × A6297	
12. R98-209	A6297 × Clifford	
13. R99-1888	Md 92-5769 × Pioneer P9641	
14. R99-541	KY88-4080 × G89-2223	
15. SC00-1741	DILLON × N94-199	F5
16. SC02-059RR	Musen × [Musen × {SC89-147 × (Musen × BC1 Resnik RR)	F5
17. VS20-394	(PI 159319 × Essex (2)) × (L76-0132 × Essex (2))	F6
18. VS21-443	Hutcheson × VS94-11	F6
19. VS21-449	VS94-18 × Hutcheson	F6
20. VS22-523	Forrest × Essex	F6
21. VS22-524	Forrest × Essex	F6

**TABLE 45 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD*			PROTEIN			OIL		
			2005	04-05	03-05	2005	04-05	03-05	2005	04-05	03-05
DILLON	9	9	43.1	43.7	44.8	41.2	41.2	41.4	20.4	20.0	19.8
BOGGS RR	17	13	37.7	39.8	.	43.8	42.5	.	19.9	19.8	.
NC-ROY	8	8	43.1	43.5	45.0	41.7	41.5	42.0	19.2	19.1	18.9
Au00-027	21	15	36.2	.	.	40.0	.	.	21.0	.	.
N01-10974	18	15	37.3	.	.	45.3	.	.	18.9	.	.
NCC02-307	2	7	45.5	.	.	39.6	.	.	20.1	.	.
NCC02-317	12	12	41.2	.	.	41.3	.	.	20.3	.	.
NCC02-329	10	11	42.6	.	.	43.1	.	.	20.7	.	.
NTPPR-01-163	3	8	44.7	44.9	.	41.0	40.8	.	20.8	20.4	.
R96-1559	4	8	44.5	46.1	46.4	40.2	40.1	40.1	20.4	19.8	19.7
R97-1801	11	10	42.5	44.6	45.1	39.5	39.4	39.5	22.1	21.1	20.6
R98-209	1	6	45.9	47.6	47.8	40.4	40.3	40.5	20.4	20.0	19.8
R99-1888	5	9	44.0	44.3	45.0	39.0	39.0	39.1	21.8	20.9	20.7
R99-541	6	9	44.0	44.8	.	42.7	41.9	.	20.1	19.8	.
SC00-1741	14	14	38.8	40.2	41.4	41.4	42.2	42.6	20.7	20.1	20.0
SC02-059RR	19	13	37.3	.	.	39.2	.	.	19.7	.	.
VS20-394	16	14	38.3	39.3	41.1	41.9	41.6	41.5	19.9	19.7	19.6
VS21-443	7	10	43.5	45.1	.	41.2	40.6	.	20.8	20.1	.
VS21-449	15	15	38.4	38.7	.	41.4	41.1	.	20.1	19.8	.
VS22-523	20	16	37.2	.	.	42.5	.	.	19.4	.	.
VS22-524	13	13	39.1	.	.	41.6	.	.	20.5	.	.

\*Data not included in mean: 2005 - Beaumont, TX; Tallasse, AL(A)  
2004 - Beaumont, TX  
2003 - Rohwer, AR; Tallasse, AL

TABLE 45 ~ Continued

## BOTANICAL TRAITS

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
DILLON	10/14	1.6	34	2.2	13.6	P	G	T
BOGGS RR	5+	2.4	33	2.3	10.5	W	T	T
NC-ROY	8+	2.5	35	2.3	12.0	W	G	Br
Alu00-027	9+	2.3	32	2.2	12.6	P	T	T
N01-10974	2+	2.1	33	2.5	19.2	P	G	
NCC02-307	0	1.3	31	2.2	13.4	P	T	
NCC02-317	1-	1.4	30	2.4	14.6	W	T	
NCC02-329	0	1.4	27	2.0	12.0	W	T	
NICPPR-01-163	1+	1.9	34	2.2	13.0	P	G	
R96-1559	0	1.4	32	2.5	11.8	P	G	
R97-1801	1+	1.6	28	2.1	11.4	W	G	
R98-209	3+	2.0	33	2.7	13.2	P	G	
R99-1888	2-	2.1	29	2.8	14.2	P	G	
R99-541	1-	2.2	28	2.3	12.7	W	T	
SC00-1741	13+	2.1	36	2.0	14.1	P	G	T
SC02-059RR	14+	2.3	35	2.1	11.5	W	G	T
VS20-394	8+	2.1	34	2.6	13.6	P	T	T
VS21-443	6-	1.7	27	2.1	13.2	W	G	T
VS21-449	2-	1.6	26	2.4	16.1	P	G	T
VS22-523	6-	1.5	27	2.5	12.6	W	G	
VS22-524	5-	1.9	30	2.4	11.9	W	G	

TABLE 45 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS					
	SCN 2	SCN 3	SCN 14	SRK GA	PRK GA	SMV
DILLON	47	221	45	1.0	5.0	R
BOGGS RR	25	0	32	1.0	2.5	M
NC-ROY	90	153	90	5.0	5.0	R
Au00-027	57	21	20	1.0	4.5	R
N01-10974	141	189	70	5.0	5.0	R
NCC02-307	8	59	1	5.0	3.8	S
NCC02-317	21	1	77	5.0	4.0	S
NCC02-329	34	158	54	5.0	4.5	R
NTCPFR-01-163	70	154	68	1.5	4.3	R
R96-1559	58	1	8	5.0	4.3	S
R97-1801	20	1	102	5.0	3.8	S
R98-209	52	15	31	5.0	4.5	S
R99-1888	53	183	49	5.0	4.5	S
R99-541	51	57	55	5.0	5.0	M
SC00-1741	70	146	42	4.5	4.0	R
SC02-059RR	64	5	29	1.0	4.8	R
VS20-394	70	12	29	3.8	5.0	R
VS21-443	76	116	69	5.0	5.0	R
VS21-449	19	78	67	5.0	3.8	R
VS22-523	36	2	22	5.0	4.8	S
VS22-524	14	1	48	5.0	5.0	S

TABLE 46 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005

STRAIN/ VARIETY	EAST				MEAN
	PETERSBURG VA	PLYMOUTH NC (A)	SUFFOLK VA	WARSAW VA	
DILLON	30.8	51.5	43.5	41.0	41.7
BOGGS RR	30.0	29.7	41.0	36.6	34.3
NC-ROY	28.0	52.0	43.3	45.9	42.3
Au00-027	20.5	49.7	39.1	41.6	37.7
N01-10974	24.6	43.1	36.8	37.2	35.4
NCC02-307	27.7	50.2	42.9	49.4	42.6
NCC02-317	26.4	54.6	40.3	42.3	40.9
NCC02-329	26.4	46.4	44.0	36.5	38.3
NTCPPR-01-163	24.9	52.7	45.5	45.9	42.3
R96-1559	22.1	49.3	42.1	43.1	39.2
R97-1801	27.2	45.6	43.6	44.5	40.2
R98-209	26.2	52.0	45.0	48.0	42.8
R99-1888	26.6	47.9	44.6	43.4	40.6
R99-541	27.1	44.2	41.4	45.5	39.5
SC00-1741	23.7	40.9	31.4	38.0	33.5
SC02-059RR	17.7	27.7	33.8	34.8	28.5
VS20-394	25.0	36.1	39.3	34.5	33.7
VS21-443	29.9	48.6	39.6	44.6	40.7
VS21-449	21.0	39.4	34.3	42.0	34.2
VS22-523	28.2	42.4	36.8	43.0	37.6
VS22-524	27.4	36.3	31.7	41.9	34.3
L.S.D. (0.05)	3.9	6.3	6.4	7.2	.
C.V. (%)	9.1	8.5	9.5	10.4	.

TABLE 46 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	BELLE MINA AL	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	TALLASSEE* AL (A)	TIFTON GA	MEAN
DILLON	63.7	50.5	35.1	50.2	54.8	26.3	39.1	53.3	47.7
BOGGS RR	44.8	45.3	35.2	23.1	50.0	34.6	35.2	46.7	40.0
NC-ROY	62.1	47.3	42.1	48.9	55.7	30.4	43.5	57.0	49.1
Au00-027	.	42.8	34.4	35.8	53.0	6.8	23.4	57.6	38.4
N01-10974	54.8	47.7	37.9	40.8	49.1	14.3	43.2	51.2	42.3
NCC02-307	59.9	47.7	35.8	54.0	54.7	28.8	42.6	53.8	47.8
NCC02-317	56.6	44.5	35.5	45.2	45.1	21.2	36.5	53.6	43.1
NCC02-329	59.7	50.5	31.9	54.4	43.8	28.3	36.0	50.8	45.6
NTPPR-01-163	50.4	52.1	34.6	59.6	57.9	30.1	34.8	54.3	48.4
R96-1559	59.4	52.9	37.8	49.8	55.4	29.6	47.1	58.1	49.0
R97-1801	58.5	44.0	35.6	46.3	49.3	29.7	37.7	57.2	45.8
R98-209	62.1	54.9	41.0	49.7	61.2	28.1	38.4	64.1	51.6
R99-1888	56.8	40.8	34.7	48.5	60.2	31.4	37.6	53.6	46.6
R99-541	56.4	47.3	34.2	54.2	47.7	30.5	31.4	52.5	46.1
SC00-1741	47.8	39.6	40.2	42.8	56.5	34.7	48.3	49.7	44.5
SC02-059RR	55.0	46.5	39.4	23.8	51.2	36.7	43.7	53.5	43.7
VS20-394	48.0	41.6	38.3	37.1	49.6	36.4	49.2	56.0	43.8
VS21-443	61.9	39.6	30.2	49.8	48.1	26.5	26.8	64.9	45.9
VS21-449	54.4	48.1	31.7	40.2	38.6	19.4	27.0	51.7	40.6
VS22-523	44.4	43.2	29.9	43.0	46.2	17.0	23.4	51.7	39.3
VS22-524	50.8	46.9	27.9	38.9	48.2	21.3	39.3	54.5	41.2
L.S.D. (0.05)	7.4	13.5	4.3	5.7	13.0	6.0	17.6	7.0	.
C.V. (%)	7.6	17.6	10.5	7.8	15.3	13.7	28.5	7.8	.

\*Data not included in mean

TABLE 46 ~ Continued

STRAIN/ VARIETY	DELTA			MEAN
	PINE TREE AR	STONEVILLE MS	STUTTIGART AR	
DILLON	23.7	37.5	63.0	41.4
BOGGS RR	35.3	19.7	55.8	36.9
NC-ROY	36.2	19.9	54.1	36.7
Au00-027	38.5	18.8	49.3	35.5
N01-10974	19.5	23.4	52.4	31.8
NCC02-307	37.2	43.8	57.4	46.1
NCC02-317	29.9	43.0	50.4	41.1
NCC02-329	43.1	31.1	54.5	42.9
NICPPR-01-163	53.1	33.3	48.7	45.0
R96-1559	45.4	42.7	56.0	48.0
R97-1801	38.7	33.0	48.6	40.1
R98-209	41.9	33.9	55.3	43.7
R99-1888	45.4	32.5	60.6	46.2
R99-541	50.0	34.3	56.8	47.0
SC00-1741	57.9	5.7	51.2	38.2
SC02-059RR	56.0	9.2	55.9	40.4
VS20-394	33.4	14.1	51.2	32.9
VS21-443	39.8	39.8	62.2	47.3
VS21-449	45.3	31.2	53.2	43.2
VS22-523	38.0	36.1	48.5	40.9
VS22-524	30.5	40.6	54.9	42.0
L.S.D. (0.05)	12.2	6.5	14.0	.
C.V. (%)	18.5	13.3	13.4	.

TABLE 46 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BEAUMONT* TX	BIXBY OK	BOSSIER CITY LA	
DILLON	31.0	32.4	32.5	32.5
BOGGS RR	29.6	37.6	38.4	38.0
NC-ROY	39.4	34.6	32.6	33.6
Alu00-027	18.1	32.3	22.3	27.3
N01-10974	26.9	25.7	38.9	32.3
NCC02-307	23.3	34.2	50.1	42.2
NCC02-317	22.2	34.8	36.1	35.4
NCC02-329	25.6	35.6	44.3	40.0
NICPPR-01-163	30.4	34.5	37.2	35.9
R96-1559	23.1	34.1	33.8	33.9
R97-1801	25.2	35.9	42.5	39.2
R98-209	19.1	36.0	35.0	35.5
R99-1888	20.9	32.5	44.5	38.5
R99-541	22.7	36.6	45.2	40.9
SC00-1741	16.9	32.6	27.5	30.1
SC02-059RR	14.2	36.7	19.5	28.1
VS20-394	21.0	40.3	32.0	36.1
VS21-443	14.5	29.3	41.8	35.5
VS21-449	20.2	28.5	35.5	32.0
VS22-523	13.6	19.5	27.6	23.6
VS22-524	22.9	32.6	41.0	36.8
L.S.D. (0.05)	9.0	4.6	8.0	.
C.V. (%)	0.0	8.5	13.4	.

\*Data not included in mean

TABLE 47 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005

STRAIN/ VARIETY	BELLE			PETERS- PINE							TALLASSEE*			MEAN	
	ATHENS GA (A)	MINA AL	BIXBY OK	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	BURG VA	TREE AR	PLYMOUTH NC (A)	STONEVILLE MS	SUFFOLK VA	AL	TIFTON GA		WARSAW VA
DILLON	20.7	.	.	21.2	.	20.7	19.7	.	20.8	18.7	.	20.2	.	21.3	20.4
BOGGS RR	19.2	.	.	21.4	.	21.4	20.6	.	20.5	17.3	.	21.5	.	19.0	19.9
NC-ROY	20.2	.	.	20.3	.	20.6	18.5	.	19.6	15.0	.	19.0	.	20.0	19.2
Au00-027	19.3	.	.	22.9	.	22.5	21.1	.	21.4	18.6	.	20.6	.	21.2	21.0
N01-10974	19.9	.	.	20.3	.	19.5	17.8	.	18.8	17.2	.	21.2	.	19.1	18.9
NCC02-307	21.0	.	.	20.8	.	19.5	18.9	.	20.0	20.9	.	21.4	.	19.5	20.1
NCC02-317	20.6	.	.	21.0	.	20.7	19.2	.	19.9	20.4	.	21.8	.	20.3	20.3
NCC02-329	20.0	.	.	21.2	.	20.1	19.9	.	21.8	21.0	.	21.6	.	20.8	20.7
NICPPR-01-163	20.3	.	.	21.6	.	20.8	19.1	.	21.4	19.7	.	20.6	.	22.7	20.8
R96-1559	20.6	.	.	21.6	.	20.9	18.6	.	21.8	18.6	.	21.3	.	20.8	20.4
R97-1801	22.0	.	.	23.2	.	21.2	21.1	.	23.3	21.8	.	21.6	.	21.9	22.1
R98-209	20.8	.	.	21.5	.	20.9	19.3	.	20.2	18.7	.	20.5	.	21.5	20.4
R99-1888	22.6	.	.	22.7	.	20.8	21.3	.	22.1	21.3	.	22.7	.	21.8	21.8
R99-541	20.8	.	.	20.4	.	19.7	19.3	.	19.8	20.1	.	20.4	.	20.5	20.1
SC00-1741	21.0	.	.	21.3	.	21.6	20.0	.	20.6	20.0	.	19.7	.	20.4	20.7
SC02-059RR	20.1	.	.	20.8	.	20.7	19.9	.	19.9	16.5	.	19.9	.	19.8	19.7
VS20-394	20.7	.	.	21.9	.	21.4	19.8	.	20.6	14.8	.	21.2	.	19.9	19.9
VS21-443	21.0	.	.	21.5	.	21.2	20.4	.	22.1	20.3	.	21.8	.	19.3	20.8
VS21-449	21.5	.	.	21.2	.	19.2	18.6	.	21.1	20.2	.	20.4	.	19.2	20.1
VS22-523	19.4	.	.	19.2	.	19.9	18.7	.	20.2	20.0	.	20.6	.	18.6	19.4
VS22-524	21.3	.	.	20.1	.	20.4	19.6	.	21.9	20.3	.	20.3	.	19.7	20.5

\*Data not included in mean

TABLE 47 ~ Continued

## PROTEIN PERCENTAGES

STRAIN/ VARIETY	BELLE			PETERS- PINE											MEAN
	ATHENS GA (A)	MINA AL	BIXBY OK	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	BURG VA	TREE AR	PLYMOUTH NC (A)	STONEVILLE MS	SUFFOLK VA	TALLASSEE* AL	TIFTON GA	WARSAW VA	
DILLON	40.6	.	.	41.5	.	39.0	41.8	.	41.4	44.9	.	44.4	.	38.9	41.2
BOGGS RR	45.2	.	.	43.0	.	40.4	42.2	.	44.4	47.0	.	45.1	.	44.4	43.8
NC-ROY	40.3	.	.	41.1	.	40.2	42.9	.	41.9	45.2	.	43.4	.	40.1	41.7
Au00-027	45.9	.	.	38.2	.	35.1	39.7	.	40.6	43.2	.	47.6	.	37.4	40.0
N01-10974	40.8	.	.	44.8	.	42.4	47.5	.	46.4	50.8	.	40.7	.	44.6	45.3
NCC02-307	41.3	.	.	38.9	.	38.7	38.9	.	41.4	39.0	.	42.6	.	39.2	39.6
NCC02-317	41.6	.	.	42.0	.	39.4	42.6	.	41.4	41.5	.	42.2	.	40.3	41.3
NCC02-329	42.3	.	.	43.6	.	43.1	44.7	.	40.2	44.8	.	45.4	.	43.1	43.1
NICPPR-01-163	42.5	.	.	40.6	.	39.5	42.6	.	41.0	43.8	.	43.8	.	37.0	41.0
R96-1559	40.4	.	.	40.1	.	39.0	41.9	.	39.2	42.4	.	41.0	.	38.4	40.2
R97-1801	39.5	.	.	40.0	.	38.4	41.2	.	39.6	39.9	.	40.6	.	37.8	39.5
R98-209	40.4	.	.	40.6	.	39.0	42.2	.	40.6	41.4	.	42.8	.	38.7	40.4
R99-1888	39.2	.	.	38.5	.	38.7	39.1	.	38.2	41.3	.	40.4	.	38.0	39.0
R99-541	43.0	.	.	43.2	.	40.8	41.4	.	45.0	43.8	.	45.5	.	41.5	42.7
SC00-1741	43.6	.	.	42.9	.	39.3	42.1	.	44.3	35.9	.	44.3	.	41.6	41.4
SC02-059RR	39.7	.	.	39.1	.	37.7	40.2	.	40.8	37.5	.	43.4	.	39.7	39.2
VS20-394	41.2	.	.	40.9	.	39.5	42.9	.	42.6	45.1	.	41.4	.	41.1	41.9
VS21-443	41.0	.	.	40.0	.	39.3	40.2	.	44.1	41.0	.	44.0	.	42.8	41.2
VS21-449	39.8	.	.	39.8	.	40.6	42.9	.	42.6	42.9	.	41.7	.	41.5	41.4
VS22-523	43.3	.	.	43.0	.	41.1	41.9	.	43.1	42.2	.	45.3	.	42.8	42.5
VS22-524	42.0	.	.	42.0	.	40.8	41.8	.	42.0	41.6	.	42.2	.	41.1	41.6

\*Data not included in mean

TABLE 47 ~ Continued

## GRAMS PER 100 SEED

STRAIN/ VARIETY	BELLE			PETERS- PINE											MEAN
	ATHENS GA (A)	MINA AL	BIXBY OK	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	BURG VA	TREE AR	PLYMOUTH NC (A)	STONEVILLE MS	SUFFOLK VA	TALLASSEE* AL	TIFTON GA	WARSAW VA	
DILLON	14.1	12.6	13.5	12.2	14.0	13.3	14.0	12.9	14.0	10.9	16.7	15.9	15.0	13.1	13.6
BOGGS RR	9.4	10.2	12.1	10.9	5.5	11.0	10.2	10.1	11.4	8.3	13.7	13.0	13.0	10.7	10.5
NC-ROY	12.2	11.0	11.8	11.0	11.5	11.5	11.6	10.6	12.7	9.2	16.0	13.2	15.5	11.7	12.0
Au00-027	.	10.9	12.7	12.8	12.0	11.9	11.9	12.3	13.1	10.4	15.8	13.3	15.0	12.5	12.6
N01-10974	19.9	18.8	17.8	20.0	19.0	20.2	15.8	16.2	21.7	12.2	24.3	20.6	23.0	20.5	19.2
NCC02-307	13.9	11.9	13.0	12.1	13.5	13.0	12.0	14.7	13.8	12.8	14.4	15.5	16.0	12.7	13.4
NCC02-317	16.1	13.2	13.4	14.0	15.0	12.6	13.4	15.4	15.9	13.3	15.0	17.6	19.0	12.9	14.6
NCC02-329	13.6	10.1	11.8	10.9	14.0	10.7	10.8	11.1	13.3	10.0	14.0	16.5	15.5	10.6	12.0
NICPPR-01-163	12.2	12.7	13.0	12.3	7.5	13.1	13.8	13.6	14.2	12.8	15.8	18.0	15.0	13.3	13.0
R96-1559	12.4	10.5	12.4	11.0	12.5	11.6	10.6	12.6	12.3	10.3	12.8	16.1	13.0	11.2	11.8
R97-1801	12.2	10.4	12.1	10.3	11.0	10.5	11.7	11.4	11.4	10.7	12.8	16.8	13.0	11.0	11.4
R98-209	13.6	12.2	14.5	12.0	12.0	13.6	13.1	13.7	14.5	10.0	14.6	14.7	15.0	13.4	13.2
R99-1888	15.7	13.9	13.6	13.8	13.5	15.5	12.3	14.8	14.9	11.1	15.3	18.8	17.0	13.8	14.2
R99-541	12.6	11.0	11.9	12.4	13.0	13.3	11.9	12.5	13.7	11.2	13.1	13.5	16.0	12.7	12.7
SC00-1741	12.1	12.6	13.3	14.4	13.5	13.3	17.0	12.5	14.7	11.0	17.7	15.8	17.0	14.5	14.1
SC02-059RR	11.7	10.1	11.2	11.4	11.5	10.0	11.8	11.5	11.5	9.1	14.1	11.0	15.5	10.4	11.5
VS20-394	12.2	13.4	13.5	13.6	13.0	12.3	12.1	11.6	15.3	10.8	18.0	14.8	17.5	13.4	13.6
VS21-443	14.5	11.4	13.0	11.1	14.0	12.8	12.4	14.4	14.3	13.4	12.5	16.9	16.5	11.7	13.2
VS21-449	17.5	14.1	16.1	14.9	17.5	14.6	13.5	18.8	16.2	14.8	15.5	18.5	22.0	13.5	16.1
VS22-523	14.4	10.9	12.6	11.6	12.5	12.6	11.4	13.1	12.7	13.9	11.9	13.7	15.5	10.9	12.6
VS22-524	12.8	9.7	11.9	12.2	11.5	12.2	10.7	12.7	12.5	11.8	10.9	13.9	15.0	11.0	11.9

\*Data not included in mean

TABLE 48 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN DILLON,  
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005

STRAIN/ VARIETY	EAST				MEAN
	PETERSBURG VA	PLYMOUTH NC (A)	SUFFOLK VA	WARSAW VA	
DILLON	10/14	10/16	11/03	10/15	10/20
BOGGS RR	9	2	-2	7	4
NC-ROY	11	2	7	6	6
Au00-027	11	2	0	9	5
N01-10974	9	2	2	6	5
NCC02-307	0	-3	-2	-1	-2
NCC02-317	0	-3	-2	-7	-3
NCC02-329	0	1	-2	-6	-2
NICPPR-01-163	0	0	-2	2	0
R96-1559	0	-1	-2	0	-1
R97-1801	0	-2	-2	3	-1
R98-209	0	2	-2	2	0
R99-1888	0	-5	-2	-1	-2
R99-541	5	-3	-2	-3	-1
SC00-1741	25	12	7	13	14
SC02-059RR	22	9	9	10	12
VS20-394	10	2	4	8	6
VS21-443	0	-15	-2	-14	-8
VS21-449	4	-7	-2	-11	-4
VS22-523	0	-13	-2	-17	-8
VS22-524	0	-14	-2	-11	-7

TABLE 48 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	BELLE MINA AL	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	TALLASSEE* AL (A)	TIFTON GA	MEAN
DILLON	10/03	10/02	10/16	10/03	10/18	10/11	10/02	10/05	10/08
BOGGS RR	0	4	9	2	4	8	4	3	5
NC-ROY	7	4	7	14	-1	6	4	10	7
Au00-027	.	8	11	11	7	11	8	5	10
N01-10974	3	4	4	-1	0	1	4	3	2
NCC02-307	-1	0	2	0	-6	11	0	2	1
NCC02-317	-3	0	-1	-3	-5	11	0	3	1
NCC02-329	2	3	-4	-2	-6	3	3	4	0
NTCP-01-163	-2	1	2	3	-1	-2	1	2	1
R96-1559	-1	1	2	0	-4	5	1	1	1
R97-1801	-1	5	-1	-1	-2	4	5	5	2
R98-209	4	3	4	-1	4	6	3	5	4
R99-1888	-2	0	-2	0	-2	-2	0	3	-1
R99-541	-4	0	-2	-1	-3	4	0	1	0
SC00-1741	13	14	12	10	9	13	14	11	12
SC02-059RR	13	9	13	13	6	13	9	15	12
VS20-394	5	7	8	14	1	7	7	6	7
VS21-443	-7	1	-13	-3	-9	-3	1	-3	-5
VS21-449	-1	0	-3	0	-6	5	0	4	0
VS22-523	-4	0	-12	0	-10	4	0	-4	-3
VS22-524	-8	0	-2	-3	-6	6	0	-4	-2

\*Data not included in mean

TABLE 48 ~ Continued

STRAIN/ VARIETY	DELTA			MEAN
	PINE TREE AR	STONEVILLE MS	STUTTGART AR	
DILLON	10/06	10/02	.	10/04
BOGGS RR	8	0	.	4
NC-ROY	7	5	.	6
Alu00-027	5	17	.	11
N01-10974	0	-2	.	-1
NCC02-307	2	-2	.	0
NCC02-317	2	-1	.	0
NCC02-329	1	-1	.	0
NICPPR-01-163	2	2	.	2
R96-1559	1	0	.	0
R97-1801	-1	1	.	0
R98-209	-1	2	.	0
R99-1888	-2	-10	.	-6
R99-541	-2	-8	.	-5
SC00-1741	12	11	.	11
SC02-059RR	10	25	.	18
VS20-394	9	9	.	9
VS21-443	-4	-12	.	-8
VS21-449	1	-12	.	-6
VS22-523	-8	-12	.	-10
VS22-524	-9	-12	.	-10

TABLE 48 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BEAUMONT* TX	BIXBY OK	BOSSIER CITY LA	
DILLON	.	11/13	10/06	10/25
BOGGS RR	.	0	23	11
NC-ROY	.	0	35	18
Alu00-027	.	0	16	8
N01-10974	.	0	-6	-3
NCC02-307	.	0	-4	-2
NCC02-317	.	0	-5	-3
NCC02-329	.	0	-1	0
NICPPR-01-163	.	0	1	1
R96-1559	.	0	4	2
R97-1801	.	0	6	3
R98-209	.	0	13	6
R99-1888	.	0	-5	-2
R99-541	.	0	-1	0
SC00-1741	.	0	36	18
SC02-059RR	.	0	36	18
VS20-394	.	0	25	13
VS21-443	.	0	-10	-5
VS21-449	.	0	-5	-2
VS22-523	.	0	-13	-6
VS22-524	.	0	-12	-6

\*Data not included in mean

TABLE 49 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005

STRAIN/ VARIETY	EAST				MEAN
	PETERSBURG VA	PLYMOUTH NC (A)	SUFFOLK VA	WARSAW VA	
DILLON	27	42	40	42	38
BOGGS RR	25	41	41	43	37
NC-ROY	24	42	46	50	41
Alu00-027	28	39	41	42	38
N01-10974	25	41	43	43	38
NCC02-307	22	40	38	42	35
NCC02-317	21	38	38	39	34
NCC02-329	19	35	33	37	31
NICPPR-01-163	25	45	40	45	39
R96-1559	25	39	39	44	37
R97-1801	23	34	36	38	33
R98-209	26	43	41	46	39
R99-1888	22	37	38	39	34
R99-541	21	33	36	37	32
SC00-1741	33	45	46	48	43
SC02-059RR	29	43	44	44	40
VS20-394	29	44	43	45	41
VS21-443	20	33	37	36	31
VS21-449	20	32	34	36	31
VS22-523	23	33	38	33	32
VS22-524	22	38	40	41	35

TABLE 49 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	BELLE MINA AL	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	TALLASSEE* AL (A)	TIFTON GA	MEAN
DILLON	33	39	33	42	36	28	20	31	35
BOGGS RR	34	38	32	39	31	23	20	33	33
NC-ROY	36	34	32	42	40	28	23	31	35
Au00-027	.	36	28	39	35	25	23	28	32
N01-10974	30	40	36	42	37	25	21	31	34
NCC02-307	32	32	28	37	34	23	20	28	31
NCC02-317	30	40	28	39	32	19	21	27	31
NCC02-329	29	35	25	35	30	23	18	23	29
NTCPPR-01-163	36	38	32	44	39	29	21	33	36
R96-1559	35	38	29	41	36	26	23	29	33
R97-1801	27	39	28	34	30	20	19	21	28
R98-209	34	40	31	41	37	23	23	29	34
R99-1888	30	41	25	36	32	21	22	28	30
R99-541	29	41	24	36	31	21	15	25	30
SC00-1741	39	37	34	42	37	31	32	33	36
SC02-059RR	37	35	32	40	35	30	24	31	34
VS20-394	34	42	30	43	35	29	24	24	34
VS21-443	29	41	25	33	28	17	16	22	28
VS21-449	24	32	21	34	28	18	17	23	26
VS22-523	26	36	26	34	30	20	17	22	28
VS22-524	30	35	30	40	32	20	18	24	30

\*Data not included in mean

TABLE 49 ~ Continued

STRAIN/ VARIETY	DELTA			
	PINE TREE AR	STONEVILLE MS	STUTTGART AR	MEAN
DILLON	23	36	28	29
BOGGS RR	21	38	34	31
NC-ROY	25	26	30	27
Alu00-027	20	32	26	26
N01-10974	19	34	26	26
NCC02-307	23	34	25	27
NCC02-317	20	32	25	26
NCC02-329	16	26	23	22
NICPPR-01-163	18	30	27	25
R96-1559	19	28	29	25
R97-1801	17	34	24	25
R98-209	15	36	29	27
R99-1888	15	28	25	23
R99-541	15	28	26	23
SC00-1741	21	40	32	31
SC02-059RR	25	40	34	33
VS20-394	15	26	34	25
VS21-443	13	26	22	20
VS21-449	23	24	20	23
VS22-523	15	24	22	20
VS22-524	16	24	23	21

TABLE 49 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BIXBY OK	BOSSIER CITY LA	
DILLON	27	31	29
BOGGS RR	30	34	32
NC-ROY	30	35	33
Alu00-027	28	29	29
N01-10974	23	26	24
NCC02-307	23	30	26
NCC02-317	29	31	30
NCC02-329	25	25	25
NTCPFR-01-163	29	35	32
R96-1559	26	28	27
R97-1801	23	25	24
R98-209	28	34	31
R99-1888	25	27	26
R99-541	25	26	25
SC00-1741	29	35	32
SC02-059RR	31	35	33
VS20-394	29	32	31
VS21-443	23	22	22
VS21-449	24	18	21
VS22-523	28	23	25
VS22-524	32	31	32

TABLE 50 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI,  
2005

STRAIN/ VARIETY	EAST				MEAN
	PETERSBURG VA	PLYMOUTH NC (A)	SUFFOLK VA	WARSAW VA	
DILLON	1.0	2.0	1.5	1.5	1.5
BOGGS RR	1.0	3.3	2.3	2.6	2.3
NC-ROY	1.0	4.0	2.8	2.4	2.6
Au00-027	1.0	3.0	1.8	1.9	1.9
N01-10974	1.0	3.0	1.3	2.6	2.0
NCC02-307	1.0	1.7	1.0	1.3	1.2
NCC02-317	1.0	2.0	1.5	1.4	1.5
NCC02-329	1.0	2.0	1.0	1.5	1.4
NICPPR-01-163	1.0	2.3	1.8	2.0	1.8
R96-1559	1.0	1.7	1.0	1.6	1.3
R97-1801	1.0	2.7	1.5	2.0	1.8
R98-209	1.0	3.0	2.2	1.9	2.0
R99-1888	1.0	3.0	2.2	2.4	2.2
R99-541	1.0	3.0	1.8	2.4	2.1
SC00-1741	1.0	3.0	1.5	2.1	1.9
SC02-059RR	1.0	3.7	1.8	2.9	2.3
VS20-394	1.0	3.0	1.3	1.8	1.8
VS21-443	1.0	2.0	2.2	2.0	1.8
VS21-449	1.0	2.3	1.0	1.6	1.5
VS22-523	1.0	2.3	3.0	1.5	2.0
VS22-524	1.0	2.7	2.0	2.4	2.0

TABLE 50 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	BELLE MINA AL	BLACKVILLE SC (A)	CALHOUN GA	CLEMSON SC	TALASSEE* AL (A)	TIFTON GA	MEAN
DILLON	1.0	1.7	2.0	1.7	2.0	1.0	1.7	1.7
BOGGS RR	1.5	1.3	3.3	4.7	3.0	1.0	1.0	2.5
NC-ROY	2.7	1.7	2.8	2.7	3.7	1.0	1.7	2.5
Au00-027	.	1.3	2.3	2.7	3.3	1.0	1.7	2.3
N01-10974	1.3	1.3	3.2	2.3	3.2	1.0	1.3	2.1
NCC02-307	1.0	1.3	1.5	1.0	1.7	1.0	1.0	1.3
NCC02-317	1.0	1.3	1.3	1.7	1.2	1.0	1.0	1.3
NCC02-329	1.0	1.3	1.3	1.3	1.7	1.0	2.0	1.4
NTCPPR-01-163	1.0	1.3	3.3	2.0	2.8	1.0	2.0	2.1
R96-1559	1.0	1.3	1.3	1.3	2.0	1.0	1.0	1.3
R97-1801	1.0	1.7	2.0	1.0	2.2	1.0	1.3	1.5
R98-209	1.3	2.0	2.7	2.0	2.3	1.0	1.7	2.0
R99-1888	1.3	2.0	1.3	2.7	2.8	1.0	2.0	2.0
R99-541	1.0	1.7	2.2	3.0	3.5	1.0	1.7	2.2
SC00-1741	2.0	2.3	2.8	2.0	2.8	1.0	1.3	2.2
SC02-059RR	2.5	3.0	1.5	2.7	2.0	1.0	1.0	2.1
VS20-394	1.0	2.3	2.3	2.0	2.7	1.0	1.3	1.9
VS21-443	1.0	1.3	1.0	4.3	2.0	1.0	1.0	1.8
VS21-449	1.0	2.7	1.0	2.3	1.8	1.0	1.3	1.7
VS22-523	1.0	1.0	1.0	1.3	1.8	1.0	1.3	1.3
VS22-524	1.0	1.7	2.0	3.0	2.8	1.0	1.3	2.0

\*Data not included in mean

TABLE 50 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	STONEVILLE MS	STUTTGART AR	
DILLON	2.0	1.7	1.8
BOGGS RR	2.0	3.0	2.5
NC-ROY	2.0	2.8	2.4
Alu00-027	3.0	3.7	3.3
N01-10974	3.0	2.2	2.6
NCC02-307	2.0	1.5	1.8
NCC02-317	2.0	1.5	1.8
NCC02-329	2.0	1.3	1.7
NTCPPR-01-163	2.0	1.7	1.8
R96-1559	2.0	1.8	1.9
R97-1801	2.0	1.5	1.8
R98-209	2.0	2.0	2.0
R99-1888	3.0	1.8	2.4
R99-541	3.0	2.8	2.9
SC00-1741	2.0	2.0	2.0
SC02-059RR	3.0	3.5	3.3
VS20-394	3.0	3.3	3.2
VS21-443	2.0	1.2	1.6
VS21-449	2.0	1.2	1.6
VS22-523	2.0	1.3	1.7
VS22-524	2.0	1.5	1.8

TABLE 50 ~ Continued

WEST	
STRAIN VARIETY	BOSSIER CITY LA
DILLON	1.7
BOGGS RR	2.0
NC-ROY	2.0
Alu00-027	2.0
N01-10974	1.0
NCC02-307	1.0
NCC02-317	1.0
NCC02-329	1.0
NTCPFR-01-163	2.0
R96-1559	1.0
R97-1801	1.3
R98-209	1.7
R99-1888	1.7
R99-541	1.7
SC00-1741	2.0
SC02-059RR	1.7
VS20-394	2.0
VS21-443	1.0
VS21-449	1.0
VS22-523	1.0
VS22-524	1.7

TABLE 51 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2005

STRAIN/ VARIETY	EAST			MEAN
	PETERSBURG VA	SUFFOLK VA	WARSAW VA	
DILLON	1.7	3.0	3.0	2.6
BOGGS RR	1.7	1.3	1.9	1.6
NC-ROY	1.7	2.0	2.7	2.1
Au00-027	1.7	1.7	1.5	1.6
N01-10974	1.7	4.3	4.0	3.3
NCC02-307	1.3	3.0	2.7	2.4
NCC02-317	1.3	4.0	3.2	2.9
NCC02-329	1.7	2.0	3.5	2.4
NICPPR-01-163	1.7	3.3	3.0	2.7
R96-1559	1.3	3.7	3.9	3.0
R97-1801	1.3	3.7	2.8	2.6
R98-209	2.0	4.7	3.3	3.3
R99-1888	1.7	5.0	4.1	3.6
R99-541	2.0	4.3	3.4	3.2
SC00-1741	1.3	1.0	1.7	1.3
SC02-059RR	1.7	1.3	2.0	1.7
VS20-394	1.3	2.0	2.3	1.9
VS21-443	1.0	4.0	2.5	2.5
VS21-449	1.7	4.7	2.8	3.1
VS22-523	1.3	4.3	1.9	2.5
VS22-524	1.3	4.3	3.5	3.1

TABLE 51 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	ATHENS GA (A)	BELLE MINA AL	CALHOUN GA	TALLASSEE* AL (A)	TIFTON GA	
DILLON	2.0	1.0	1.7	1.5	2.0	1.7
BOGGS RR	2.5	1.7	3.7	1.0	2.0	2.5
NC-ROY	2.0	1.0	2.0	1.3	2.0	1.8
Au00-027	.	2.3	1.7	1.5	2.0	2.0
N01-10974	1.8	1.7	2.0	1.5	1.7	1.8
NCC02-307	2.0	1.0	2.0	1.7	2.0	1.8
NCC02-317	2.2	1.0	1.3	1.5	2.0	1.6
NCC02-329	2.0	1.0	1.3	1.2	2.0	1.6
NTCPFR-01-163	1.8	1.0	1.7	1.2	1.7	1.5
R96-1559	2.2	1.3	2.0	1.5	1.7	1.8
R97-1801	2.0	1.0	1.7	1.2	1.3	1.5
R98-209	2.5	1.5	2.3	2.2	2.0	2.1
R99-1888	2.2	1.0	2.0	1.7	2.7	2.0
R99-541	2.2	1.0	2.0	1.5	1.3	1.6
SC00-1741	2.5	2.0	2.0	2.0	2.0	2.1
SC02-059RR	2.3	2.2	2.7	1.5	1.3	2.1
VS20-394	2.0	2.8	2.7	1.5	2.3	2.5
VS21-443	2.5	1.0	1.7	1.3	1.7	1.7
VS21-449	2.2	1.0	2.0	1.7	2.0	1.8
VS22-523	2.3	1.5	2.3	2.3	2.0	2.0
VS22-524	2.2	1.0	2.7	1.2	1.3	1.8

\*Data not included in mean

TABLE 51 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	STONEVILLE MS	
DILLON	1.5	2.0	1.8
BOGGS RR	2.0	2.0	2.0
NC-ROY	2.0	3.0	2.5
Au00-027	2.0	3.0	2.5
N01-10974	2.2	3.0	2.6
NCC02-307	2.5	2.0	2.3
NCC02-317	2.2	3.0	2.6
NCC02-329	2.2	2.0	2.1
NTCPFR-01-163	2.3	2.0	2.2
R96-1559	2.0	3.0	2.5
R97-1801	1.8	2.0	1.9
R98-209	2.2	3.0	2.6
R99-1888	2.3	4.0	3.2
R99-541	2.2	3.0	2.6
SC00-1741	1.3	2.0	1.7
SC02-059RR	1.5	2.0	1.8
VS20-394	2.2	4.0	3.1
VS21-443	2.0	2.0	2.0
VS21-449	2.5	3.0	2.8
VS22-523	2.7	3.0	2.8
VS22-524	2.2	2.0	2.1

TABLE 51 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BEAUMONT*	BOSSIER CITY	
	TX	LA	
DILLON	2.8	4.0	4.0
BOGGS RR	2.5	4.0	4.0
NC-ROY	2.3	4.3	4.3
Alu00-027	2.5	4.3	4.3
N01-10974	2.3	2.7	2.7
NCC02-307	2.8	3.3	3.3
NCC02-317	3.0	3.3	3.3
NCC02-329	2.2	2.3	2.3
NTCPFR-01-163	2.5	3.0	3.0
R96-1559	4.0	3.7	3.7
R97-1801	3.5	3.7	3.7
R98-209	3.0	3.7	3.7
R99-1888	3.0	3.0	3.0
R99-541	3.0	2.0	2.0
SC00-1741	3.0	4.3	4.3
SC02-059RR	2.2	4.0	4.0
VS20-394	2.3	4.3	4.3
VS21-443	2.8	3.0	3.0
VS21-449	2.8	1.7	1.7
VS22-523	4.5	3.7	3.7
VS22-524	4.0	3.0	3.0

\*Data not included in mean

**PRELIMINARY GROUP VI****2005**

**Preliminary Group VI nurseries were planted at 9 locations. Data were obtained from 8 of the locations. The parentage for each strain is reported in Table 52. Table 53 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 54 - 60.**

TABLE 52 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	Centennial × Young	
2. BOGGS RR	(G81-152 × Coker 6738) × RR	
3. NC-ROY	Holladay × Brim	
4. Au02-1048	G92-2381 × G93-1749	F5
5. Au02-1240	G92-2381 × G93-1749	F5
6. Au02-2441	SC92-2482 × Au94-493	F5
7. Au02-2543	NC-Raleigh × G92-1110	F5
8. Au02-3104	NC-Raleigh × G92-1110	F5
9. G03-1448 RR	G94-3117 × H7242 RR	F5
10. G03-1620 RR	H7242 RR × K1423	F5
11. G03-2148 RR	G94-3117 × Boggs RR	F5
12. N01-12430	NICPR94-5157 × RA452	F4
13. N03-11936	Boggs × PI 471931	F4
14. NCC01-69	TN93-99 × Fowler	F6:10
15. NCC02-22089	V91-3036 × TN98-76,077	F6:9
16. NCC02-22136	V91-3036 × TN98-76,077	F6:9
17. NCC04-1	TN93-99 × PI 416937	
18. DB02-6416	Md 94-5396 × DT95-15091	
19. NTCWN23-651	N77-114 × N96-6809	F4
20. NTCWN23-679	N77-114 × N96-6809	F4
21. NTCWN23-816	N77-114 × N96-6809	F4
22. R00-654	Md 92-5769 × N90-541	
23. R01-2195	HBK 5990 × R96-2361	
24. R01-2346	V91-3036 × HBK 5990	
25. R01-2731F	Caviness × PI 592947	
26. R97-818	Hutcheson × A5885	
27. SC02-011RR	Dillon × [Maxcy × {Benning × (Hagood × BC1Resnik RR)	F5
28. SC02-046RR	Musen × [Musen × {SC89-147 × (Musen × BC1 Resnik RR)	F5
29. SC03-9091RR	Dillon × [Maxcy × {Benning × (Hagood × BC1Resnik RR)	F5
30. SC03-9093RR	Dillon × [Maxcy × {Benning × (Hagood × BC1Resnik RR)	F5
31. SC98-1850	F91-1419 × Manokin	F5
32. VS22-450	IAC100 × AKIYOSHI	F6
33. VS22-457	VS95-49 × VS94-17	F6
34. VS22-458	VS95-49 × VS94-17	F6
35. VS22-459	VS95-49 × VS94-12	F6
36. VS22-477	VS95-49 × VS94-17	F6

**TABLE 53 ~ GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR THE STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005 ~ MEAN OF 7 LOCATIONS**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14	FL COLOR	PUB. COLOR	POD COLOR
	YIELD	RANK	RANK	INDEX					PROTEIN	OIL						
DILLON	37.6	8	14	10/14	1.8	32	1.9	14.1	41.5	20.9	58	131	27	P	G	T
BOGGS RR	34.2	27	16	6+	1.8	33	2.1	10.9	43.9+	19.8	16	5	35	W	T	T
NC-ROY	40.0	4	13	7+	1.9	32	2.3	12.1	42.8	18.6-	95	113	55	W	G	Br
Au02-1048	35.2	21	15	11+	2.2	30	2.4	11.3	42.3	18.9-	48	24	61	W	G	T
Au02-1240	37.3	11	14	13+	1.7	34	1.9	10.8	40.3	19.2-	49	26	55	W	T	T
Au02-2441	35.7	18	15	18+	1.8	35	1.8	13.5	40.5	20.9	61	12	42	W	G	T
Au02-2543	35.6	19	14	14+	2.1	32	2.9	13.2	38.2-	21.9	80	84	40	P	T	T
Au02-3104	40.4	2	12	17+	2.5	36	3.1	13.7	37.5-	22.0	45	33	34	W	T	T
G03-1448 RR	34.8	23	16	5+	1.6	28	2.4	11.2	40.8	19.3-	55	28	13	P	T	T
G03-1620 RR	34.5	26	16	6+	1.9	31	2.5	13.1	41.2	21.2	56	27	9	P	T	T
G03-2148 RR	38.3	5	13	3+	1.7	32	2.4	11.5	44.5+	18.6-	45	4	52	W	T	T
N01-12430	31.8	32	18	7+	2.3	35	2.3	11.0	43.7+	19.2-	63	112	52	W	T	
N03-11936	33.6	30	17	2-	2.3	26	1.5	11.0	42.7	21.9	63	77	77	W	G	
NCC01-69	44.0	1	9	0	1.5	25	2.3	15.9	41.6	21.3	50	79	46	W	T	
NCC02-22089	37.3	11	14	1-	2.9	31	1.8	14.8	43.3	21.0	65	129	45	W	G	
NCC02-22136	37.8	6	14	2-	2.0	33	2.1	14.7	43.0	21.1	67	95	48	W	G	
NCC04-1	32.5	31	18	1-	2.8	25	1.9	14.0	42.9	19.2-	87	79	10	W	G	
DB02-6416	34.8	23	16	2-	1.9	30	2.0	14.8	42.1	20.7	21	5	31	P	T	T
NTCWN23-651	35.9	16	15	8+	1.8	32	1.9	12.2	40.4	20.6	76	114	56	P	G	
NTCWN23-679	34.7	24	16	9+	2.1	31	2.3	12.5	41.4	20.7	42	143	43	P	G	
NTCWN23-816	31.5	34	18	8+	1.7	25	2.3	12.9	40.0	21.0	120	154	53	P	G	
R00-654	35.8	17	15	3-	1.4	25	2.3	14.1	42.6	20.7	63	64	56	P	G	
R01-2195	34.5	26	16	2-	1.7	25	2.0	15.6	43.4+	19.0-	60	65	45	P	T	
R01-2346	40.0	4	12	0	1.5	26	2.1	13.3	43.9+	19.0-	46	19	12	P	G	
R01-2731F	36.4	15	15	1-	1.5	27	2.1	12.8	41.1	20.8	44	62	31	P	G	
R97-818	37.3	11	14	2-	1.5	27	2.3	14.9	42.5	20.9	48	24	14	W	T	
SC02-011RR	37.6	8	14	3+	2.0	32	2.3	12.5	41.5	20.4	51	83	35	P	G	T
SC02-046RR	33.6	30	16	13+	1.8	34	1.9	9.3	41.1	19.6	67	24	9	W	G	T
SC03-9091RR	36.8	14	14	4+	1.6	33	2.4	13.9	42.0	20.0	54	96	52	P	G	T
SC03-9093RR	37.4	9	14	6+	1.9	33	2.4	14.4	43.3	20.1	37	9	25	P	G	T
SC98-1850	35.3	20	16	1+	1.9	28	2.3	13.3	42.8	20.3	29	16	19	W	G	
VS22-450	28.4-	35	19	11+	2.7	32	2.6	14.8	44.9+	16.2-	90	106	63	P	G	Br
VS22-457	31.7	33	19	6-	1.6	22	2.4	13.1	44.3+	20.2	65	93	33	P	G	Br
VS22-458	34.0	28	17	5-	1.7	23	1.9	13.5	45.5+	20.1	39	120	32	P	G	Br
VS22-459	26.3-	36	21	13+	2.3	48	2.1	14.5	42.4	20.3	40	94	22	W	G	Br
VS22-477	37.1	13	14	4-	1.8	27	1.9	11.2	42.9	20.0	47	98	36	W	G	Br
OVERALL MEAN	35.5								42.2	20.2						
LSD (.05)	8.0								1.8	1.3						
C.V.	21%								3%	5%						

**TABLE 54 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005**

STRAIN/ VARIETY	BEAUMONT*	BIXBY	CLEMSON	PETERSBURG	PINE TREE	PLYMOUTH	STONEVILLE	STUTTGART*	TALLASSEE	MEAN
	TX	OK	SC	VA	AR	NC	MS	AR	AL (A)	
DILLON	26.7	31.0	43.1	29.1	29.3	48.8	35.9	50.4	46.1	37.6
BOGGS RR	27.5	42.9+	45.7	35.2+	38.3+	19.9-	14.8-	59.7	42.7	34.2
NC-ROY	30.8	35.3	48.9	29.2	33.5	49.7	21.2-	.	62.4+	40.0
Au02-1048	17.8-	35.6	32.6	25.1	39.2+	46.7	18.8-	.	48.7	35.2
Au02-1240	33.1	33.4	49.6	25.6	35.3	45.7	15.4-	.	55.6	37.3
Au02-2441	23.4	35.6	38.9	34.8+	38.1+	36.2-	10.0-	.	56.2	35.7
Au02-2543	27.9	39.5+	41.0	22.7-	45.5+	37.0-	7.7-	.	56.0	35.6
Au02-3104	23.0	40.0+	49.9	27.3	35.1	48.2	14.3-	.	67.9+	40.4
G03-1448 RR	14.4-	37.2+	30.1-	23.9-	40.1+	47.3	19.5-	62.3+	45.7	34.8
G03-1620 RR	24.8	34.0	33.7	26.6	41.3+	42.3	14.5-	55.5	49.2	34.5
G03-2148 RR	32.0	36.2	49.3	28.7	38.2+	53.6	12.8-	61.9+	49.3	38.3
N01-12430	20.9	34.4	20.5-	27.3	37.4+	42.7	16.0-	.	44.5	31.8
N03-11936	21.7	33.1	43.8	25.0	39.6+	29.5-	20.8-	40.9	43.4	33.6
NCC01-69	15.1-	32.1	45.2	32.1	42.5+	48.7	48.6+	49.5	58.7	44.0
NCC02-22089	22.3	30.4	24.8-	28.3	41.2+	50.3	32.2	50.6	53.9	37.3
NCC02-22136	29.8	29.3	44.6	28.4	40.9+	42.5	30.4	53.1	48.3	37.8
NCC04-1	21.2	22.1-	42.5	24.2	27.2	41.7	29.3	47.3	40.3	32.5
DB02-6416	14.2-	25.7-	31.3	32.8	33.1	40.4	34.5	40.9	45.4	34.8
NTCWN23-651	22.6	40.1+	46.9	25.2	33.5	36.9-	24.8-	.	44.0	35.9
NTCWN23-679	17.5-	27.2	45.2	23.5-	40.5+	38.1-	20.7-	.	47.5	34.7
NTCWN23-816	28.3	37.4+	22.5-	27.9	38.0+	34.8-	14.3-	.	45.3	31.5
R00-654	18.4-	31.3	42.2	23.8-	33.4	48.7	33.4	47.0	37.9	35.8
R01-2195	24.2	27.4	16.0-	24.1	37.9+	51.7	36.5	42.8	48.1	34.5
R01-2346	33.6	33.7	49.5	23.9-	48.0+	45.4	34.4	52.9	45.5	40.0
R01-2731F	14.2-	27.2	41.3	24.8	30.9	48.2	29.8	49.8	52.7	36.4
R97-818	17.0-	27.7	34.8	31.2	38.3+	49.0	35.1	54.8	44.8	37.3
SC02-011RR	31.4	34.4	50.6	24.6	39.4+	36.3-	26.7-	60.6+	51.4	37.6
SC02-046RR	20.6	33.7	49.4	21.7-	37.1+	28.4-	7.1-	.	57.7	33.6
SC03-9091RR	34.9+	28.7	49.5	25.0	31.7	46.4	25.4-	59.3	50.7	36.8
SC03-9093RR	30.9	33.5	40.3	36.7+	35.2	39.0-	23.2-	59.1	54.2	37.4
SC98-1850	12.8-	33.6	47.2	30.0	28.6	33.4-	29.0	39.2-	44.9	35.3
VS22-450	12.1-	31.1	45.6	13.2-	28.8	39.0-	1.4-	.	39.7	28.4-
VS22-457	20.5	22.1-	.	27.3	27.0	44.6	35.3	46.4	34.1	31.7
VS22-458	17.2-	19.9-	32.0	26.0	31.2	39.6-	41.7	48.4	47.2	34.0
VS22-459	17.4-	36.7+	40.7	23.4-	35.5	24.8-	0.4-	.	22.6-	26.3-
VS22-477	21.7	34.1	46.3	24.8	34.8	44.9	35.9	45.3	38.6	37.1
L.S.D. (0.05)	7.6	5.3	12.5	5.0	6.6	9.1	8.0	9.6	13.3	8.0
C.V. (%)	0.0	8.0	15.3	9.1	9.0	10.8	16.7	11.4	13.8	21.2

\*Data not included in mean

TABLE 55 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005

STRAIN/ VARIETY	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC (A)	STONEVILLE MS	TALLASSEE AL (A)	MEAN
DILLON	21.3	20.5	20.2	22.9	19.8	20.9
BOGGS RR	21.5	20.0	20.2	17.5	19.6	19.8
NC-ROY	20.3	19.0	18.4	16.1	19.4	18.6
Au02-1048	21.5	19.5	18.2	16.0	19.3	18.9
Au02-1240	20.4	19.5	18.3	17.4	20.3	19.2
Au02-2441	21.9	20.4	18.8	.	22.3	20.9
Au02-2543	22.5	22.3	21.1	.	21.5	21.9
Au02-3104	22.5	22.0	21.3	.	22.0	22.0
G03-1448 RR	19.5	19.8	19.6	16.5	21.0	19.3
G03-1620 RR	22.5	21.2	20.8	19.1	22.5	21.2
G03-2148 RR	20.0	18.3	19.2	16.1	19.2	18.6
N01-12430	20.9	19.9	19.4	16.0	19.6	19.2
N03-11936	22.5	21.7	22.8	20.0	22.6	21.9
NCC01-69	21.2	21.1	19.8	22.1	22.4	21.3
NCC02-22089	20.3	21.5	22.0	20.3	20.9	21.0
NCC02-22136	21.0	20.3	22.1	18.7	23.3	21.1
NCC04-1	19.3	19.0	19.4	18.2	19.9	19.2
DB02-6416	19.9	21.2	21.3	20.4	20.7	20.7
NTCWN23-651	21.2	21.3	19.9	19.2	21.4	20.6
NTCWN23-679	21.8	20.8	20.8	19.1	21.2	20.7
NTCWN23-816	22.2	21.6	21.5	18.3	21.4	21.0
R00-654	20.0	20.3	21.3	19.8	22.2	20.7
R01-2195	19.3	18.5	19.0	18.2	20.2	19.0
R01-2346	19.6	18.8	19.3	17.7	19.8	19.0
R01-2731F	21.5	19.9	21.1	20.6	21.1	20.8
R97-818	20.8	20.3	20.7	21.6	21.2	20.9
SC02-011RR	22.8	20.5	20.1	17.6	21.2	20.4
SC02-046RR	22.0	19.7	19.0	18.0	19.4	19.6
SC03-9091RR	22.2	19.9	19.8	18.0	20.0	20.0
SC03-9093RR	21.5	20.4	20.0	16.8	21.6	20.1
SC98-1850	20.9	20.0	20.1	19.2	21.1	20.3
VS22-450	18.3	14.6	15.3	16.5	16.5	16.2
VS22-457	20.0	19.1	20.5	21.8	19.8	20.2
VS22-458	19.2	19.5	20.2	21.0	20.7	20.1
VS22-459	20.6	20.0	19.9	20.7	20.3	20.3
VS22-477	19.7	19.5	20.8	20.1	20.0	20.0

TABLE 56 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005

STRAIN/ VARIETY	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC (A)	STONEVILLE MS	TALLASSEE AL (A)	MEAN
DILLON	38.4	41.0	44.1	40.6	43.5	41.5
BOGGS RR	40.0	42.3	46.9	47.3	43.2	43.9
NC-ROY	39.4	42.0	43.7	45.8	42.9	42.8
Au02-1048	36.8	40.4	43.6	45.7	45.1	42.3
Au02-1240	37.8	39.9	43.8	38.0	42.0	40.3
Au02-2441	35.9	41.2	43.9	.	40.9	40.5
Au02-2543	35.7	36.6	40.6	.	40.0	38.2
Au02-3104	35.5	35.7	39.2	.	39.7	37.5
G03-1448 RR	37.4	40.1	41.7	44.3	40.7	40.8
G03-1620 RR	37.8	41.2	42.0	42.7	42.1	41.2
G03-2148 RR	40.3	44.4	43.8	48.6	45.3	44.5
N01-12430	38.3	43.0	44.6	46.7	45.9	43.7
N03-11936	39.9	41.3	44.1	46.9	41.3	42.7
NCC01-69	40.3	39.7	44.5	41.0	42.4	41.6
NCC02-22089	41.0	40.9	42.7	47.5	44.3	43.3
NCC02-22136	38.5	41.1	43.8	47.6	44.2	43.0
NCC04-1	39.7	41.9	43.8	45.8	43.1	42.9
DB02-6416	41.2	40.8	42.0	43.8	42.6	42.1
NTCWN23-651	38.0	39.2	41.6	42.4	40.9	40.4
NTCWN23-679	38.6	40.5	42.3	42.9	42.5	41.4
NTCWN23-816	37.3	39.4	40.6	42.0	40.6	40.0
R00-654	40.3	41.7	42.6	46.4	42.1	42.6
R01-2195	40.7	42.0	44.1	46.1	44.1	43.4
R01-2346	40.1	43.1	44.7	47.0	44.6	43.9
R01-2731F	38.5	41.8	41.8	41.8	41.5	41.1
R97-818	41.2	41.7	44.1	42.7	42.6	42.5
SC02-011RR	35.9	40.6	43.1	45.8	42.3	41.5
SC02-046RR	35.6	40.3	44.0	41.2	44.2	41.1
SC03-9091RR	37.6	43.1	42.5	44.0	43.0	42.0
SC03-9093RR	38.3	42.3	44.5	46.1	45.4	43.3
SC98-1850	38.9	43.0	44.1	44.0	44.1	42.8
VS22-450	41.3	46.6	47.5	41.6	47.5	44.9
VS22-457	41.9	44.1	45.8	45.9	43.8	44.3
VS22-458	44.1	44.9	46.5	45.9	46.0	45.5
VS22-459	40.0	41.9	44.3	44.4	41.6	42.4
VS22-477	40.1	43.0	43.5	43.9	44.0	42.9

TABLE 57 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC (A)	STONEVILLE MS	TALLASSEE AL (A)	MEAN
DILLON	12.9	11.8	13.8	15.0	14.4	14.3	16.6	14.1
BOGGS RR	10.3	11.1	9.8	11.6	12.0	7.5	13.9	10.9
NC-ROY	11.5	11.9	11.9	10.5	12.1	11.2	16.0	12.1
Au02-1048	10.9	9.3	10.8	9.9	12.6	10.1	15.3	11.3
Au02-1240	10.1	11.3	10.7	10.0	11.8	7.8	14.0	10.8
Au02-2441	12.1	12.4	15.1	12.6	13.3	.	15.5	13.5
Au02-2543	12.1	12.2	13.2	12.6	14.1	.	15.1	13.2
Au02-3104	11.7	11.7	13.9	12.6	14.4	.	18.1	13.7
G03-1448 RR	10.9	10.4	11.6	11.6	12.8	8.1	13.1	11.2
G03-1620 RR	13.9	15.8	13.0	13.4	13.2	7.8	14.6	13.1
G03-2148 RR	11.8	10.5	11.1	11.7	12.7	8.5	14.3	11.5
N01-12430	10.7	11.1	11.6	10.2	12.2	7.9	13.5	11.0
N03-11936	10.4	12.1	9.7	11.6	10.8	9.1	13.6	11.0
NCC01-69	14.8	16.3	13.6	14.7	17.4	12.8	22.0	15.9
NCC02-22089	13.5	13.3	14.1	14.7	17.4	10.5	20.2	14.8
NCC02-22136	15.3	15.3	15.8	17.8	7.2	11.9	19.7	14.7
NCC04-1	12.0	15.9	12.6	13.7	13.9	10.9	19.2	14.0
DB02-6416	14.1	15.7	13.9	14.9	15.5	12.6	17.3	14.8
NTCWN23-651	12.1	12.6	12.7	11.4	12.9	9.0	15.0	12.2
NTCWN23-679	11.7	14.5	10.8	10.8	13.1	10.3	16.1	12.5
NTCWN23-816	12.0	13.7	12.0	12.7	13.7	10.9	15.3	12.9
R00-654	13.7	13.5	13.1	12.9	15.7	12.8	16.8	14.1
R01-2195	14.4	14.7	14.6	15.4	17.2	13.3	19.5	15.6
R01-2346	12.3	13.6	12.0	13.0	14.4	11.1	16.9	13.3
R01-2731F	12.7	11.1	12.0	12.4	13.2	11.6	16.7	12.8
R97-818	14.0	15.1	13.8	14.2	15.5	13.8	18.1	14.9
SC02-011RR	13.1	12.3	10.8	12.4	12.7	10.5	15.6	12.5
SC02-046RR	11.2	0.0	10.8	9.7	11.6	7.6	14.6	9.3
SC03-9091RR	13.9	13.1	13.1	13.3	14.8	11.0	18.1	13.9
SC03-9093RR	13.8	13.3	13.3	15.1	16.2	10.6	18.5	14.4
SC98-1850	13.4	14.1	12.3	13.0	13.7	9.5	17.4	13.3
VS22-450	15.5	15.1	12.2	14.8	17.9	9.6	18.5	14.8
VS22-457	12.4	.	11.0	11.7	14.2	13.1	16.2	13.1
VS22-458	11.4	14.7	11.3	11.6	13.4	14.4	17.7	13.5
VS22-459	16.2	13.3	15.5	14.0	15.1	12.7	14.9	14.5
VS22-477	10.3	11.5	9.9	11.0	11.7	10.1	14.0	11.2

**TABLE 58 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005**

STRAIN/ VARIETY	BIXBY	CLEMSON	PETERSBURG	PINE TREE	PLYMOUTH	STONEVILLE	STUTT GART*	TALLASSEE	MEAN
	OK	SC	VA	AR	NC (A)	MS	AR	AL (A)	
DILLON	28	30	24	35	43	38	26	28	32
BOGGS RR	30	29	25	32	41	44	34	31	33
NC-ROY	28	30	30	33	40	30	30	34	32
Au02-1048	30	24	27	35	39	30	28	29	30
Au02-1240	31	24	29	35	43	42	28	33	34
Au02-2441	32	32	36	31	42	38	31	38	35
Au02-2543	30	24	29	29	41	36	30	37	32
Au02-3104	35	33	35	33	42	36	30	37	36
G03-1448 RR	28	26	25	29	40	20	33	31	28
G03-1620 RR	29	26	29	34	42	24	33	31	31
G03-2148 RR	32	29	27	36	44	24	32	34	32
N01-12430	35	22	34	34	46	40	34	36	35
N03-11936	25	26	18	26	34	26	20	28	26
NCC01-69	23	24	22	23	34	26	20	26	25
NCC02-22089	26	25	24	31	42	38	25	31	31
NCC02-22136	27	34	27	32	43	38	23	34	33
NCC04-1	19	26	23	26	31	26	20	27	25
DB02-6416	21	29	28	32	39	30	23	28	30
NTCWN23-651	28	26	30	36	42	36	29	27	32
NTCWN23-679	27	28	29	29	40	36	27	27	31
NTCWN23-816	27	18	24	24	35	28	25	23	25
R00-654	22	27	20	23	33	26	21	22	25
R01-2195	23	19	21	17	36	30	20	28	25
R01-2346	21	27	19	25	34	30	22	24	26
R01-2731F	19	28	27	22	40	26	24	26	27
R97-818	23	26	23	29	36	26	23	27	27
SC02-011RR	27	30	29	35	42	32	35	34	32
SC02-046RR	29	29	30	39	40	40	34	34	34
SC03-9091RR	27	29	29	31	44	34	35	35	33
SC03-9093RR	25	28	28	34	46	34	38	38	33
SC98-1850	22	27	20	26	34	36	21	32	28
VS22-450	32	28	29	30	44	30	30	32	32
VS22-457	24	.	16	21	31	22	20	21	22
VS22-458	25	21	17	22	33	22	19	22	23
VS22-459	39	40	46	42	58	55	32	55	48
VS22-477	25	29	19	22	39	30	22	23	27

\*Data not included in mean

**TABLE 59 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005**

STRAIN/ VARIETY	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC (A)	STONEVILLE MS	STUTTGART* AR	TALLASSEE AL (A)	MEAN
DILLON	2.5	1.0	3.0	3.0	2.0	1.0	2.1
BOGGS RR	3.0	1.0	3.0	3.0	3.3	1.0	2.2
NC-ROY	3.5	1.0	3.0	3.0	3.0	1.0	2.3
Au02-1048	3.0	1.0	3.0	3.0	2.8	1.0	2.2
Au02-1240	2.0	1.0	3.0	3.0	2.0	1.0	2.0
Au02-2441	3.0	1.0	3.0	3.0	3.5	1.0	2.2
Au02-2543	2.3	1.0	3.0	3.0	2.5	1.0	2.1
Au02-3104	4.0	1.0	3.0	3.0	3.2	1.0	2.4
G03-1448 RR	2.3	1.0	2.5	3.0	2.7	1.0	2.0
G03-1620 RR	2.8	1.0	2.5	2.0	3.2	1.0	1.9
G03-2148 RR	2.0	1.0	3.0	3.0	2.2	1.0	2.0
N01-12430	4.5	1.0	4.0	4.0	3.0	1.5	3.0
N03-11936	4.5	1.0	4.5	3.0	2.7	1.0	2.8
NCC01-69	1.3	1.0	3.0	3.0	1.3	1.0	1.9
NCC02-22089	5.0	1.0	3.0	4.0	2.3	1.0	2.8
NCC02-22136	3.3	1.0	3.0	4.0	2.2	1.0	2.5
NCC04-1	3.8	1.0	3.5	3.0	2.2	1.0	2.5
DB02-6416	3.0	1.0	3.5	3.0	2.3	1.0	2.3
NTCWN23-651	3.0	1.0	3.0	3.0	2.8	1.0	2.2
NTCWN23-679	3.3	1.0	3.0	3.0	2.8	1.0	2.3
NTCWN23-816	3.8	1.0	2.5	2.0	2.7	1.0	2.1
R00-654	2.0	1.0	2.5	2.0	1.5	1.0	1.7
R01-2195	3.0	1.0	3.0	2.0	1.5	1.0	2.0
R01-2346	2.3	1.0	3.0	2.0	1.8	1.0	1.9
R01-2731F	2.3	1.0	2.5	2.0	1.7	1.0	1.8
R97-818	2.3	1.0	3.0	2.0	1.5	1.0	1.9
SC02-011RR	3.0	1.0	3.0	2.0	2.5	1.0	2.0
SC02-046RR	1.8	1.0	4.0	3.0	3.7	1.0	2.2
SC03-9091RR	2.3	1.0	2.5	3.0	1.8	1.0	2.0
SC03-9093RR	1.5	1.0	3.0	3.0	2.7	1.0	1.9
SC98-1850	2.5	1.0	3.0	4.0	1.5	1.0	2.3
VS22-450	3.8	1.0	3.5	4.0	3.0	1.0	2.7
VS22-457	.	1.0	2.5	2.0	1.7	1.0	1.6
VS22-458	3.5	1.0	2.5	2.0	1.2	1.0	2.0
VS22-459	2.5	1.0	3.0	5.0	3.0	1.0	2.5
VS22-477	3.5	1.0	3.5	2.0	1.8	1.0	2.2

\*Data not included in mean

TABLE 60 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2005

STRAIN/ VARIETY	BEAUMONT*	PETERSBURG	PINE TREE	STONEVILLE	TALLASSEE	MEAN
	TX	VA	AR	MS	AL (A)	
DILLON	3.0	1.0	2.5	2.0	2.0	1.9
BOGGS RR	3.0	3.0	2.0	2.0	1.5	2.1
NC-ROY	2.0	2.0	2.0	3.0	2.0	2.3
Au02-1048	2.5	2.0	2.5	3.0	2.0	2.4
Au02-1240	2.5	2.0	2.0	2.0	1.5	1.9
Au02-2441	3.5	2.0	1.5	2.0	1.5	1.8
Au02-2543	2.5	2.0	2.5	5.0	2.0	2.9
Au02-3104	3.8	2.0	3.0	5.0	2.5	3.1
G03-1448 RR	3.0	3.0	2.0	3.0	1.5	2.4
G03-1620 RR	3.0	2.0	3.0	3.0	2.0	2.5
G03-2148 RR	2.3	2.0	2.5	3.0	2.0	2.4
N01-12430	3.0	2.0	2.0	3.0	2.0	2.3
N03-11936	3.3	1.0	1.5	2.0	1.5	1.5
NCC01-69	4.3	1.5	2.5	3.0	2.0	2.3
NCC02-22089	3.8	1.0	2.0	2.0	2.3	1.8
NCC02-22136	3.5	1.5	2.5	3.0	1.5	2.1
NCC04-1	2.0	1.8	2.0	2.0	2.0	1.9
DB02-6416	4.5	1.5	2.5	2.0	2.0	2.0
NTCWN23-651	2.3	1.8	2.0	2.0	2.0	1.9
NTCWN23-679	2.5	2.0	2.0	3.0	2.0	2.3
NTCWN23-816	2.0	2.0	2.0	3.0	2.0	2.3
R00-654	3.3	1.8	2.0	3.0	2.5	2.3
R01-2195	3.5	1.0	2.0	3.0	2.0	2.0
R01-2346	3.0	2.0	2.5	2.0	1.8	2.1
R01-2731F	3.3	2.0	2.5	2.0	2.0	2.1
R97-818	3.5	2.0	3.0	2.0	2.0	2.3
SC02-011RR	3.0	2.0	2.0	3.0	2.0	2.3
SC02-046RR	2.5	1.8	2.5	2.0	1.5	1.9
SC03-9091RR	2.0	2.0	2.5	3.0	2.0	2.4
SC03-9093RR	3.0	2.0	2.5	3.0	2.0	2.4
SC98-1850	5.0	1.5	2.5	3.0	2.0	2.3
VS22-450	2.5	2.0	2.5	4.0	2.0	2.6
VS22-457	4.0	2.0	3.0	3.0	1.5	2.4
VS22-458	4.5	2.0	2.0	2.0	1.5	1.9
VS22-459	3.5	2.0	3.0	2.0	1.5	2.1
VS22-477	4.0	2.0	2.0	2.0	1.5	1.9

\*Data not included in mean

## UNIFORM GROUP VII

2005

Uniform Group VII nurseries were planted at 14 locations. Data were obtained from 13 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	Hutcheson × Coker 6738	
2. HASKELL RR	Haskell × RR	
3. G00-3209	N7001 × Boggs	F7d
4. G00-3213	N7001 × Boggs	F7d
5. G00-3322	N7001 × Boggs	F7d
6. G03-364 RR	G95-346 × H7242 RR	F5d
7. G03-926 RR	G94-3117 × H7242 RR	F5d
8. N01-11136	NTCPR94-5157 × N96-7031	F4
9. N01-11777	Graham × N96-7031	F4
10. N02-7084	Cook × Anand	F4
11. N97-9658	N7001 × Cook	F4
12. N99-8137	N7001 × Graham	F4
13. SC00-601RR	SC92-2482 × [Hagood (2) × BC1 Resnik RR]	F5
14. SC01-796RR	Santee × {SC92-2482 × [Benning × (Hagood × BC1 Resnik RR)]}	F5
15. SC01-819RR	SC92-2482 (2) × [Hagood (2) × BC1 Resnik RR]	F5

**TABLE 62 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD*			PROTEIN			OIL		
			2005	04-05	03-05	2005	04-05	03-05	2005	04-05	03-05
BENNING	14	10	44.5	43.6	46.8	41.2	39.9	40.4	21.0	20.3	20.1
HASKELL RR	13	10	44.8	44.7	47.1	40.8	40.1	40.5	20.3	19.9	19.7
G00-3209	3	5	49.6	50.9	.	43.1	42.3	.	19.6	19.5	.
G00-3213	1	5	49.8	49.8	.	41.5	41.1	.	20.2	19.8	.
G00-3322	4	6	49.2	48.3	.	43.0	41.9	.	19.9	19.8	.
G03-364 RR	7	8	46.2	.	.	40.8	.	.	20.5	.	.
G03-926 RR	12	10	45.2	.	.	41.7	.	.	20.1	.	.
N01-11136	9	9	45.9	.	.	39.9	.	.	20.3	.	.
N01-11777	10	9	45.4	.	.	39.3	.	.	20.3	.	.
N02-7084	2	5	49.7	.	.	39.3	.	.	20.8	.	.
N97-9658	5	6	48.4	47.5	49.4	41.6	40.2	41.1	19.9	19.8	19.5
N99-8137	8	8	46.0	46.6	48.7	39.9	39.1	39.7	20.1	20.2	20.3
SC00-601RR	15	11	44.1	43.6	.	42.7	42.0	.	20.3	19.7	.
SC01-796RR	6	8	46.4	.	.	40.9	.	.	20.9	.	.
SC01-819RR	11	9	45.3	.	.	43.0	.	.	20.7	.	.

\*Data not included in mean: 2005 - Calhoun, GA; Fairhope, AL  
2004 - Beaumont, TX  
2003 - Beaumont, TX; Jackson Springs, NC

TABLE 62 ~ Continued

## BOTANICAL TRAITS

STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
BENNING	10/22	1.8	33	1.9	15.3	P	T	T
HASKELL RR	3+	2.3	34	1.9	15.5	P	T	T
G00-3209	6+	2.1	33	2.2	15.8	W	T	T
G00-3213	1+	1.8	33	2.0	15.4	W	T	T
G00-3322	6+	1.6	33	2.0	16.0	W	T	T
G03-364 RR	1+	2.0	33	1.8	13.7	W	T	T
G03-926 RR	5+	2.2	34	2.0	15.1	W	T	T
N01-11136	3+	2.0	31	2.7	17.3	P	G	
N01-11777	3+	2.2	31	2.4	15.3	P	G	
N02-7084	3+	2.5	31	2.5	16.4	P	T	
N97-9658	3+	2.3	32	2.0	14.2	P	G	
N99-8137	5+	1.9	30	2.8	15.6	P	G	
SC00-601RR	5+	1.9	37	2.0	14.8	W	G	T
SC01-796RR	4+	2.0	37	1.9	15.6	P	G	T
SC01-819RR	7+	1.0	36	1.9	15.7	W	G	T

TABLE 62 ~ Continued

PEST REACTIONS						
STRAIN/ VARIETY	SCN 2	SCN 3	SCN 14	SRK GA	PRK GA	SMV
BENNING	112	2	43	1.0	4.0	R
HASKELL RR	90	153	79	1.3	1.5	S
G00-3209	111	1	86	1.3	4.5	R
G00-3213	222	1	62	2.5	4.0	R
G00-3322	100	0	62	1.3	2.8	S
G03-364 RR	95	2	70	1.0	2.3	S
G03-926 RR	94	0	54	1.3	5.0	R
N01-11136	237	118	112	5.0	4.5	R
N01-11777	115	162	115	5.0	5.0	R
N02-7084	49	86	0	2.5	4.8	R
N97-9658	187	142	128	1.8	5.0	R
N99-8137	183	138	85	5.0	4.0	R
SC00-601RR	130	5	88	2.8	5.0	R
SC01-796RR	93	2	98	1.0	4.3	R
SC01-819RR	99	1	66	2.3	5.0	R

**TABLE 63 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005**

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	37.2
HASKELL RR	27.7
G00-3209	43.0
G00-3213	44.1
G00-3322	43.9
G03-364 RR	39.4
G03-926 RR	36.4
N01-11136	28.3
N01-11777	33.0
N02-7084	38.1
N97-9658	30.4
N99-8137	29.2
SC00-601RR	34.3
SC01-796RR	35.9
SC01-819RR	39.6
L.S.D. (0.05)	9.1
C.V. (%)	15.1

TABLE 63 ~ Continued

STRAIN/ VARIETY	SOUTH									MEAN
	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	BLACKVILLE SC (B)	CALHOUN* GA	FAIRHOPE* AL	PLAINS GA	TALLASSEE AL	TIFTON GA	
BENNING	46.4	49.9	35.7	25.1	28.4	34.4	50.9	48.9	61.9	45.5
HASKELL RR	46.8	51.7	39.8	30.1	33.0	31.8	49.2	58.4	54.5	47.2
G00-3209	55.4	66.6	47.8	34.7	20.5	34.0	44.5	62.0	42.7	50.5
G00-3213	52.6	58.0	40.6	34.2	29.5	25.4	56.3	55.2	57.0	50.6
G00-3322	47.0	64.1	41.6	29.2	27.2	36.9	46.3	56.3	65.0	49.9
G03-364 RR	47.9	52.2	36.4	26.2	30.3	30.6	47.1	60.9	59.8	47.2
G03-926 RR	42.9	48.8	36.2	33.4	26.9	25.7	47.7	59.9	56.6	46.5
N01-11136	44.0	51.3	41.0	29.5	38.6	34.8	49.4	59.5	63.9	48.4
N01-11777	45.5	50.2	38.9	31.3	38.1	31.8	49.4	57.3	57.6	47.2
N02-7084	50.2	54.4	45.6	31.2	26.9	19.2	48.6	70.9	58.8	51.4
N97-9658	49.0	58.5	40.2	27.2	35.1	17.5	56.4	62.0	63.7	51.0
N99-8137	45.3	56.1	44.7	30.6	34.9	30.6	50.2	54.8	56.8	48.4
SC00-601RR	41.7	51.3	38.8	33.2	29.6	23.1	47.1	54.4	52.1	45.5
SC01-796RR	44.3	55.6	40.9	30.6	26.3	14.2	50.8	58.4	54.4	47.8
SC01-819RR	39.7	55.0	37.0	32.2	19.4	20.4	44.8	62.0	52.3	46.1
L.S.D. (0.05)	5.8	4.2	4.8	7.6	10.0	12.4	6.9	8.3	10.3	.
C.V. (%)	7.5	4.5	7.0	14.8	20.3	27.1	8.4	8.5	10.7	.

\*Data not included in mean

TABLE 64 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005

OIL PERCENTAGES									
STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	CALHOUN* GA	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TIFTON GA	MEAN
BENNING	20.2	21.3	21.8	.	20.8	20.9	20.7	.	21.0
HASKELL RR	19.8	21.5	20.3	.	19.8	20.6	19.5	.	20.3
G00-3209	18.8	20.5	20.9	.	19.9	17.8	19.6	.	19.6
G00-3213	19.9	21.3	21.3	.	20.2	19.3	19.3	.	20.2
G00-3322	19.2	20.1	21.3	.	19.7	19.2	19.9	.	19.9
G03-364 RR	19.0	21.7	21.1	.	20.7	20.4	20.1	.	20.5
G03-926 RR	19.4	21.2	21.4	.	19.4	19.9	19.3	.	20.1
N01-11136	19.3	20.5	20.8	.	20.7	20.8	19.7	.	20.3
N01-11777	18.7	20.8	21.3	.	21.1	20.0	19.7	.	20.3
N02-7084	20.6	21.9	21.1	.	20.7	20.9	19.4	.	20.8
N97-9658	19.4	20.7	20.8	.	19.5	20.0	19.2	.	19.9
N99-8137	20.3	21.6	18.7	.	20.5	20.3	19.4	.	20.1
SC00-601RR	19.6	21.9	21.5	.	19.7	19.7	19.5	.	20.3
SC01-796RR	20.4	23.1	20.0	.	20.5	21.0	20.2	.	20.9
SC01-819RR	20.3	22.4	20.9	.	20.4	20.5	19.5	.	20.7

\*Data not included in mean

TABLE 64 ~ Continued

PROTEIN PERCENTAGES									
STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	CALHOUN* GA	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TIFTON GA	MEAN
BENNING	41.9	38.2	39.8	.	42.5	41.9	42.9	.	41.2
HASKELL RR	40.6	37.3	39.6	.	43.4	41.4	42.5	.	40.8
G00-3209	43.4	40.6	40.4	.	44.9	42.6	46.4	.	43.1
G00-3213	42.2	39.1	39.9	.	42.6	42.4	43.0	.	41.5
G00-3322	41.9	39.6	39.9	.	44.6	46.2	45.5	.	43.0
G03-364 RR	42.0	39.8	39.3	.	41.4	41.0	41.2	.	40.8
G03-926 RR	41.7	38.9	38.8	.	43.8	43.2	43.9	.	41.7
N01-11136	40.9	39.2	37.5	.	40.2	39.4	42.0	.	39.9
N01-11777	40.0	37.1	37.6	.	39.7	40.6	40.5	.	39.3
N02-7084	38.7	36.9	38.5	.	39.8	40.0	42.0	.	39.3
N97-9658	41.0	39.0	39.5	.	42.7	42.6	44.7	.	41.6
N99-8137	39.7	37.9	41.4	.	40.0	39.3	41.1	.	39.9
SC00-601RR	43.9	39.1	41.2	.	43.2	43.1	45.5	.	42.7
SC01-796RR	41.9	36.7	39.6	.	42.8	41.9	42.6	.	40.9
SC01-819RR	44.1	39.7	40.4	.	43.3	44.9	45.6	.	43.0

\*Data not included in mean

TABLE 64 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED								MEAN
	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	CALHOUN* GA	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TIFTON GA	
BENNING	13.1	14.3	13.2	13.0	14.6	14.9	19.2	18.0	15.3
HASKELL RR	12.9	14.2	14.8	15.5	13.8	14.2	19.1	19.5	15.5
G00-3209	13.0	15.9	13.6	13.5	13.0	13.6	20.5	21.0	15.8
G00-3213	13.5	14.4	13.7	14.0	15.0	13.6	19.8	18.0	15.4
G00-3322	12.4	16.1	14.2	16.5	14.9	14.1	19.9	20.0	16.0
G03-364 RR	12.1	12.7	11.4	12.5	13.2	12.3	17.7	16.5	13.7
G03-926 RR	12.3	14.2	13.5	13.0	15.6	13.9	17.9	18.5	15.1
N01-11136	15.5	15.5	14.7	13.5	16.8	16.3	21.9	20.5	17.3
N01-11777	13.2	13.1	12.5	14.0	13.2	15.7	19.1	20.0	15.3
N02-7084	13.4	14.4	15.0	13.0	15.8	16.6	20.4	19.5	16.4
N97-9658	11.6	12.8	11.5	13.5	12.0	14.3	18.0	19.0	14.2
N99-8137	12.7	13.7	14.5	13.0	14.4	15.1	19.4	19.5	15.6
SC00-601RR	12.7	13.7	13.1	14.0	15.1	15.0	16.2	17.5	14.8
SC01-796RR	13.5	14.4	13.4	12.5	19.5	13.8	17.6	17.0	15.6
SC01-819RR	14.3	15.5	13.9	12.5	15.0	14.9	18.6	18.0	15.7

\*Data not included in mean

**TABLE 65 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN BENNING,  
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005**

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	10/26
HASKELL RR	3
G00-3209	4
G00-3213	1
G00-3322	4
G03-364 RR	-1
G03-926 RR	5
N01-11136	4
N01-11777	-2
N02-7084	3
N97-9658	2
N99-8137	0
SC00-601RR	6
SC01-796RR	4
SC01-819RR	5

TABLE 65 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	BLACKVILLE SC (B)	CALHOUN* GA	FAIRHOPE* AL	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN 10/20
BENNING	10/15	10/24	10/27	.	10/21	10/24	.	10/19	10/15	10/20
HASKELL RR	2	2	4	.	1	9	.	5	5	3
G00-3209	8	7	6	.	0	5	.	5	4	6
G00-3213	2	2	2	.	-2	3	.	-1	2	1
G00-3322	9	7	4	.	1	9	.	4	8	6
G03-364 RR	2	1	0	.	-3	9	.	0	2	1
G03-926 RR	4	5	7	.	-1	7	.	5	6	5
N01-11136	2	1	0	.	0	3	.	3	7	3
N01-11777	3	1	0	.	-2	7	.	5	10	4
N02-7084	3	2	2	.	0	5	.	5	5	3
N97-9658	1	2	1	.	0	8	.	4	8	3
N99-8137	8	3	2	.	2	2	.	4	11	6
SC00-601RR	9	3	2	.	1	8	.	4	8	5
SC01-796RR	4	3	3	.	-1	8	.	3	6	4
SC01-819RR	11	5	7	.	0	8	.	6	10	8

\*Data not included in mean

TABLE 66 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	43
HASKELL RR	44
G00-3209	41
G00-3213	44
G00-3322	41
G03-364 RR	42
G03-926 RR	43
N01-11136	37
N01-11777	41
N02-7084	40
N97-9658	39
N99-8137	38
SC00-601RR	47
SC01-796RR	46
SC01-819RR	41

TABLE 66 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS	ATHENS	BLACKVILLE	BLACKVILLE	CALHOUN*	FAIRHOPE*	PLAINS	TALLASSEE	TIFTON	MEAN
	GA (A)	GA (B)	SC (A)	SC (B)	GA	AL	GA	AL	GA	
BENNING	32	32	36	21	44	28	39	29	29	31
HASKELL RR	34	34	35	20	44	25	41	32	32	33
G00-3209	32	32	32	23	43	25	40	31	31	32
G00-3213	31	32	34	21	44	15	40	31	30	31
G00-3322	31	34	35	19	45	27	41	33	30	32
G03-364 RR	31	30	35	19	47	21	41	35	30	32
G03-926 RR	33	33	35	23	43	27	40	35	32	33
N01-11136	31	30	33	21	38	21	37	32	29	30
N01-11777	29	28	32	22	41	17	37	31	29	30
N02-7084	31	30	33	21	43	23	35	34	27	30
N97-9658	32	32	33	21	43	24	38	34	28	31
N99-8137	29	29	32	17	40	20	36	29	26	28
SC00-601RR	38	34	37	23	46	24	40	40	35	35
SC01-796RR	38	35	36	23	51	28	43	44	33	36
SC01-819RR	32	32	36	23	48	27	45	40	37	35

\*Data not included in mean

TABLE 67 - PLANT LODGING FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	1.3
HASKELL RR	1.7
G00-3209	2.3
G00-3213	2.0
G00-3322	2.0
G03-364 RR	2.0
G03-926 RR	1.7
N01-11136	1.7
N01-11777	3.0
N02-7084	2.0
N97-9658	1.7
N99-8137	1.7
SC00-601RR	2.3
SC01-796RR	2.0
SC01-819RR	1.0

TABLE 67 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (A)	CALHOUN* GA	PLAINS GA	TALLASSEE AL (A)	TIFTON GA	MEAN
BENNING	1.0	1.3	2.5	3.7	1.7	1.0	3.7	1.9
HASKELL RR	2.0	2.7	3.8	3.3	2.0	1.0	3.0	2.4
G00-3209	1.3	2.0	3.2	1.0	2.0	1.0	3.0	2.1
G00-3213	1.0	1.3	2.8	1.3	2.0	1.0	2.7	1.8
G00-3322	1.0	1.7	2.2	1.0	1.7	1.0	1.7	1.5
G03-364 RR	1.0	1.3	2.7	2.7	2.3	1.0	3.3	1.9
G03-926 RR	1.7	2.7	3.2	2.3	2.0	1.0	3.0	2.3
N01-11136	1.0	2.3	2.3	3.0	2.0	1.0	3.3	2.0
N01-11777	1.0	2.3	2.3	1.7	2.3	1.0	3.3	2.1
N02-7084	1.0	2.0	4.8	2.7	3.7	1.0	3.3	2.6
N97-9658	1.0	2.3	3.2	2.0	2.7	1.0	4.0	2.4
N99-8137	1.0	2.0	2.8	1.3	2.0	1.0	3.0	2.0
SC00-601RR	1.3	1.7	2.5	3.0	2.3	1.0	2.0	1.8
SC01-796RR	1.3	2.0	3.3	3.0	2.0	1.0	2.3	2.0
SC01-819RR	1.0	1.0	1.3	1.3	1.0	1.0	1.0	1.1

\*Data not included in mean

TABLE 68 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2005

STRAIN/ VARIETY	SOUTH						MEAN
	ATHENS GA (A)	ATHENS GA (B)	CALHOUN* GA	PLAINS GA	TALLASSEE AL (A)	TIFTON GA	
BENNING	2.2	2.0	2.0	2.2	1.3	2.0	1.9
HASKELL RR	1.7	1.7	2.0	2.7	1.5	2.0	1.9
G00-3209	2.0	1.7	2.0	3.0	1.5	2.7	2.2
G00-3213	1.8	2.0	2.0	2.2	1.8	2.0	2.0
G00-3322	2.2	1.7	2.0	2.3	1.5	2.3	2.0
G03-364 RR	2.0	1.8	2.0	2.2	1.3	1.7	1.8
G03-926 RR	2.0	2.0	2.0	2.7	1.5	2.0	2.0
N01-11136	2.3	2.0	2.0	3.5	2.2	3.7	2.7
N01-11777	2.0	2.0	1.7	2.8	2.5	2.7	2.4
N02-7084	2.0	2.0	2.3	3.0	3.0	2.3	2.5
N97-9658	2.0	2.0	2.0	2.3	1.5	2.3	2.0
N99-8137	2.2	2.2	1.7	3.0	3.0	3.7	2.8
SC00-601RR	2.0	2.0	2.0	2.7	1.5	1.7	2.0
SC01-796RR	1.8	2.0	2.0	2.7	1.5	1.7	1.9
SC01-819RR	2.0	1.7	2.3	2.7	1.5	1.7	1.9

\*Data not included in mean

## PRELIMINARY GROUP VII

2005

Preliminary Group VII nurseries were planted at 7 locations. Data were obtained from 6 of the 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	Hutcheson × Coker 6738	
2. HASKELL RR	(Johnston × Braxton) × RR	
3. Au02-1126	G92-2381 × G93-1749	F5
4. Au02-1223	G92-2381 × G93-1749	F5
5. Au02-1233	G92-2381 × G93-1749	F5
6. Au02-2844	NC-Raleigh × G92-1110	F5
7. G03-1499 RR	G94-3117 × H7242 RR	F5d
8. G03-2338 RR	G94-3117 × Boggs RR	F5d
9. G03-397 RR	G95-346 × H7242 RR	F5d
10. G03-434 RR	G95-346 × H7242 RR	F5d
11. G03-503 RR	G95-346 × H7242 RR	F5d
12. G03-541 RR	G95-346 × H7242 RR	F5d
13. G03-821 RR	G94-3117 × H7242 RR	F5d
14. N01-11118	N1CPR94-5157 × N96-7031	F4
15. N01-11491	N1CPR94-5157 × N96-7031	F4
16. N01-11791	Graham × N96-7031	F4
17. N02-219	SC91-2007 × Holladay	F4
18. N02-566	N90-845 × Boggs	F4
19. SC02-020RR	Dillon × [Maxcy × {Benning × (Hagood × BC1 Resnik RR	F5
20. SC02-053RR	Musen × [Musen × {SC89-147 × (Musen × BC1 Resnik RR)	F5
21. SC02-054RR	Musen × [Musen × {SC89-147 × (Musen × BC1 Resnik RR)	F5
22. SC02-176RR	Musen × [Musen × {SC92-2482 × (Benning × (Hagood × B	F5
23. SC02-208RR	Santee × [SC92-2482 (2) × {Hagood (2) × BC1 Resnik R	F5
24. SC02-210RR	Santee × [SC92-2482 (2) × {HAGOOD (2) × BC1 Resnik R	F5

**TABLE 70 ~ GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005 ~ MEAN OF 5 LOCATIONS**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14	FL	PUB.	POD
	YIELD	RANK	RANK	INDEX					PROTEIN	OIL				COLOR	COLOR	COLOR
BENNING	45.9	5	5	10/25	2.2	36	2.5	15.5	41.7	21.3	55	15	35	P	T	T
HASKELL RR	42.3	17	6	3+	2.2	37	2.5	15.2	41.1	20.4	49	126	37	P	T	T
Au02-1126	47.1	2	4	0	1.6	31	3.0	13.2	42.1	20.1-	33	3	69	P	G	T
Au02-1223	45.2	6	5	1+	2.0	34	2.5	13.6	41.1	20.0-	40	4	46	P	T	T
Au02-1233	41.5	21	7	1+	1.8	32	2.5	13.2	41.1	20.0-	43	19	32	W	G	T
Au02-2844	46.4	4	5	4+	2.4	32	3.0	14.8	37.6-	21.4	33	22	37	P	T	T
G03-1499 RR	40.3-	24	8	2+	1.4	35	2.3	13.7	41.8	22.7+	42	4	21	W	T	T
G03-2338 RR	43.3	13	6	3-	1.6	34	2.5	12.3	41.8	21.1	29	7	27	W	G	T
G03-397 RR	41.4	23	7	1+	2.5	36	2.5	17.2	41.7	20.8	54	17	63	W	T	T
G03-434 RR	42.4	15	7	0	2.3	35	2.5	13.6	41.3	22.1	44	6	57	W	T	T
G03-503 RR	43.7	10	6	1-	2.3	37	2.5	16.1	41.2	21.3	38	5	55	P	T	T
G03-541 RR	42.0	19	7	1+	2.2	42	2.0	13.8	41.6	20.5	45	3	72	W	T	T
G03-821 RR	47.0	3	5	0	2.2	39	2.8	14.7	42.3	20.3-	29	2	37	P	T	T
N01-11118	41.4	23	7	0	2.5	40	2.8	14.8	41.0	20.0-	47	155	54	W	T	
N01-11491	44.0	8	5	2+	1.8	30	2.8	15.4	39.1-	21.0	58	148	53	P	T	
N01-11791	43.7	10	6	1-	1.9	36	2.8	13.8	40.4-	21.1	83	172	45	P	G	
N02-219	47.4	1	5	1+	2.2	36	2.8	15.0	41.2	21.1	34	9	54	P	G	
N02-566	44.6	7	6	4+	2.2	34	3.0	12.6	43.5+	20.7	51	5	47	W	G	
SC02-020RR	41.9	20	7	1+	2.3	38	2.5	15.2	42.2	20.5	41	8	41	P	T	T
SC02-053RR	42.2	18	7	3+	2.7	40	2.8	12.5	40.1-	20.5	54	14	11	W	G	T
SC02-054RR	42.8	14	6	2+	2.6	39	2.3	11.8	39.5-	21.1	62	18	15	W	G	T
SC02-176RR	43.3	13	6	0	2.5	34	2.8	12.3	41.8	20.4	56	12	17	P	G	T
SC02-208RR	43.7	10	6	2+	1.3	38	2.8	13.0	43.0+	21.2	36	4	44	W	G	T
SC02-210RR	42.3	17	7	3+	1.9	38	2.8	13.9	41.9	20.7	35	2	38	W	G	T
OVERALL MEAN	43.6								41.3	20.8						
LSD (.05)	5.6								1.1	1.0						
C.V.	10%								2%	4%						

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

## PRELIMINARY GROUP VII, 2005

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	STONEVILLE* MS	TALLASSEE AL (A)	MEAN
BENNING	35.1	44.3	50.1	53.3	8.0	46.6	45.9
HASKELL RR	41.7+	42.7	29.2-	52.1	6.9	45.6	42.3
Au02-1126	40.9	43.2	43.5	56.4	18.5+	51.7	47.1
Au02-1223	40.2	42.3	43.2	49.2	14.9+	51.3	45.2
Au02-1233	29.3	39.9	43.8	43.0-	20.4+	51.5	41.5
Au02-2844	41.2	44.0	39.2	55.5	9.1	52.1	46.4
G03-1499 RR	34.2	37.2	40.1	44.4-	12.8	45.3	40.3-
G03-2338 RR	36.3	30.8-	48.2	53.4	22.7+	47.9	43.3
G03-397 RR	35.7	37.4	38.6-	44.7-	12.1	50.9	41.4
G03-434 RR	33.7	40.0	41.2	52.3	4.4	45.0	42.4
G03-503 RR	33.7	43.0	42.4	51.3	8.4	48.3	43.7
G03-541 RR	34.0	39.5	39.9	49.9	6.2	46.9	42.0
G03-821 RR	37.5	45.4	41.1	53.0	12.0	58.1	47.0
N01-11118	40.1	43.8	35.6-	49.1	12.0	38.5	41.4
N01-11491	46.4+	41.9	32.6-	53.6	10.9	45.4	44.0
N01-11791	37.2	47.1	37.2-	53.1	13.1	44.1	43.7
N02-219	40.9	38.2	40.1	62.1+	20.2+	55.9	47.4
N02-566	37.5	51.1	38.3-	58.3	8.2	37.7	44.6
SC02-020RR	36.2	40.5	32.9-	54.7	5.3	45.3	41.9
SC02-053RR	36.2	35.8	37.0-	50.6	1.8-	51.4	42.2
SC02-054RR	.	40.9	30.2-	50.0	4.7	50.2	42.8
SC02-176RR	41.1	44.0	36.9-	49.4	5.3	44.9	43.3
SC02-208RR	37.5	38.3	41.6	48.5	4.5	52.5	43.7
SC02-210RR	35.5	42.3	38.3-	45.3-	5.0	50.3	42.3
L.S.D. (0.05)	6.3	10.7	11.4	5.6	5.8	15.0	5.6
C.V. (%)	8.1	12.5	14.1	5.2	27.4	15.1	10.1

\*Data not included in mean

TABLE 72 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
BENNING	22.1	22.6	20.4	20.3	21.2	21.3
HASKELL RR	20.9	22.3	19.9	19.4	19.3	20.4
Au02-1126	20.9	21.0	19.2	19.8	19.5	20.1
Au02-1223	20.2	20.8	19.4	20.2	19.6	20.0
Au02-1233	20.2	20.9	20.0	19.1	19.9	20.0
Au02-2844	21.2	22.5	20.6	20.7	21.8	21.4
G03-1499 RR	22.6	23.5	20.2	21.1	26.3	22.7
G03-2338 RR	21.1	23.2	20.9	19.4	20.9	21.1
G03-397 RR	21.1	22.8	19.9	20.7	19.5	20.8
G03-434 RR	22.1	23.9	21.2	20.8	22.4	22.1
G03-503 RR	20.6	22.1	21.2	20.3	22.3	21.3
G03-541 RR	20.9	21.7	18.9	20.3	20.5	20.5
G03-821 RR	19.4	20.3	20.6	21.2	20.0	20.3
N01-11118	20.1	19.7	20.1	20.2	20.0	20.0
N01-11491	21.7	21.0	21.1	20.8	20.5	21.0
N01-11791	22.1	21.9	20.6	20.7	20.1	21.1
N02-219	21.6	21.5	21.7	20.6	20.3	21.1
N02-566	21.5	21.1	20.2	20.4	20.4	20.7
SC02-020RR	21.2	21.6	20.2	19.9	19.6	20.5
SC02-053RR	21.3	21.2	19.2	20.8	20.2	20.5
SC02-054RR	21.2	21.7	20.8	20.9	20.8	21.1
SC02-176RR	20.7	21.9	19.4	20.3	19.8	20.4
SC02-208RR	21.9	22.9	20.8	19.5	20.8	21.2
SC02-210RR	22.2	21.2	20.2	20.2	19.7	20.7

**TABLE 73 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005**

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
BENNING	40.3	41.0	43.0	41.7	42.5	41.7
HASKELL RR	39.1	38.5	43.8	41.9	42.4	41.1
Au02-1126	39.8	40.3	43.3	43.0	44.1	42.1
Au02-1223	40.0	39.1	41.1	42.3	42.9	41.1
Au02-1233	39.9	40.0	41.5	41.9	42.3	41.1
Au02-2844	37.6	34.2	38.3	38.6	39.3	37.6
G03-1499 RR	39.9	39.5	42.0	43.1	44.6	41.8
G03-2338 RR	40.8	39.4	41.6	42.5	44.7	41.8
G03-397 RR	39.5	39.5	43.7	42.3	43.3	41.7
G03-434 RR	40.0	38.4	42.4	42.5	43.3	41.3
G03-503 RR	40.5	40.5	42.0	41.2	41.6	41.2
G03-541 RR	41.0	39.9	41.3	42.6	43.4	41.6
G03-821 RR	40.5	42.8	42.2	42.3	43.5	42.3
N01-11118	39.1	40.6	40.9	40.8	43.6	41.0
N01-11491	37.3	38.9	38.2	40.4	40.9	39.1
N01-11791	38.9	39.2	41.3	40.5	42.0	40.4
N02-219	39.5	41.4	40.2	42.2	42.9	41.2
N02-566	42.1	42.6	43.7	43.8	45.2	43.5
SC02-020RR	40.8	41.0	43.8	43.0	42.2	42.2
SC02-053RR	38.6	38.0	41.2	39.2	43.3	40.1
SC02-054RR	38.8	37.2	40.5	40.4	40.4	39.5
SC02-176RR	41.2	40.0	41.1	41.9	45.0	41.8
SC02-208RR	41.4	41.1	44.0	44.1	44.4	43.0
SC02-210RR	39.4	39.9	43.3	42.0	44.8	41.9

TABLE 74 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	MEAN
BENNING	14.0	15.6	18.2	14.3	15.5
HASKELL RR	14.9	15.6	14.9	15.2	15.2
Au02-1126	11.6	13.3	12.9	15.1	13.2
Au02-1223	12.0	13.5	13.7	15.3	13.6
Au02-1233	11.9	12.3	12.8	15.8	13.2
Au02-2844	14.4	13.4	15.7	15.7	14.8
G03-1499 RR	12.9	13.5	15.0	13.5	13.7
G03-2338 RR	11.7	11.3	12.7	13.6	12.3
G03-397 RR	14.8	17.3	18.0	18.8	17.2
G03-434 RR	12.0	13.4	15.6	13.5	13.6
G03-503 RR	14.1	17.3	16.0	16.8	16.1
G03-541 RR	13.2	14.3	.	14.0	13.8
G03-821 RR	13.8	15.7	14.6	14.7	14.7
N01-11118	13.1	15.0	15.7	15.4	14.8
N01-11491	14.0	16.0	14.4	17.2	15.4
N01-11791	12.0	14.5	14.1	14.5	13.8
N02-219	11.1	15.7	16.4	16.8	15.0
N02-566	11.8	12.5	12.5	13.6	12.6
SC02-020RR	13.6	16.1	15.9	15.0	15.2
SC02-053RR	10.7	13.5	14.3	11.4	12.5
SC02-054RR	11.1	11.9	12.7	11.6	11.8
SC02-176RR	11.7	11.9	13.4	12.2	12.3
SC02-208RR	12.1	12.4	14.7	12.7	13.0
SC02-210RR	13.0	13.6	15.4	13.4	13.9

**TABLE 75 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005**

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	STONEVILLE* MS	TALLASSEE AL (A)	MEAN
BENNING	33	34	46	39	34	28	36
HASKELL RR	33	34	49	39	34	31	37
Au02-1126	29	31	37	37	32	23	31
Au02-1223	33	32	40	36	32	30	34
Au02-1233	32	28	38	36	36	29	32
Au02-2844	32	33	42	37	36	20	32
G03-1499 RR	37	29	42	41	32	28	35
G03-2338 RR	36	27	40	40	34	28	34
G03-397 RR	33	36	47	37	28	30	36
G03-434 RR	34	33	45	40	42	26	35
G03-503 RR	35	38	45	41	32	28	37
G03-541 RR	40	44	53	45	38	30	42
G03-821 RR	35	40	48	38	34	33	39
N01-11118	37	40	50	42	38	31	40
N01-11491	28	28	33	34	36	29	30
N01-11791	32	32	44	39	32	33	36
N02-219	33	35	43	37	28	32	36
N02-566	30	34	40	36	16	32	34
SC02-020RR	37	34	53	42	50	27	38
SC02-053RR	36	36	50	45	40	35	40
SC02-054RR	39	36	48	45	42	29	39
SC02-176RR	33	31	43	40	38	25	34
SC02-208RR	34	33	46	43	30	33	38
SC02-210RR	36	36	48	44	42	27	38

\*Data not included in mean

**TABLE 76 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005**

STRAIN/ VARIETY	BLACKVILLE	JACKSON SPRINGS	KINSTON	PLAINS	STONEVILLE*	TALLASSEE	MEAN
	SC (A)	NC	NC	GA	MS	AL (A)	
BENNING	2.8	2.0	3.0	2.0	2.0	1.0	2.2
HASKELL RR	3.0	2.5	2.5	2.0	2.0	1.0	2.2
Au02-1126	1.5	1.5	2.0	2.0	2.0	1.0	1.6
Au02-1223	2.8	1.5	2.5	2.0	2.0	1.0	2.0
Au02-1233	2.0	2.0	2.0	2.0	2.0	1.0	1.8
Au02-2844	2.3	2.5	3.0	3.0	3.0	1.0	2.4
G03-1499 RR	1.5	1.5	1.5	1.5	2.0	1.0	1.4
G03-2338 RR	2.5	1.5	1.5	1.5	3.0	1.0	1.6
G03-397 RR	2.5	3.0	3.0	3.0	3.0	1.0	2.5
G03-434 RR	2.3	3.0	3.0	2.0	3.0	1.0	2.3
G03-503 RR	2.8	2.0	3.0	2.5	2.0	1.0	2.3
G03-541 RR	2.5	2.5	3.0	2.0	2.0	1.0	2.2
G03-821 RR	2.8	2.0	2.0	3.0	3.0	1.0	2.2
N01-11118	2.8	3.0	2.0	3.5	3.0	1.0	2.5
N01-11491	1.5	2.0	1.5	3.0	4.0	1.0	1.8
N01-11791	1.5	2.0	3.0	2.0	2.0	1.0	1.9
N02-219	3.8	1.5	2.0	2.5	2.0	1.0	2.2
N02-566	2.8	2.0	3.0	2.0	2.0	1.0	2.2
SC02-020RR	2.3	3.0	3.0	2.0	3.0	1.0	2.3
SC02-053RR	3.0	2.5	4.0	3.0	3.0	1.0	2.7
SC02-054RR	3.3	2.5	3.0	3.0	3.0	1.0	2.6
SC02-176RR	2.8	3.0	3.0	2.5	3.0	1.0	2.5
SC02-208RR	1.0	1.0	2.0	1.5	3.0	1.0	1.3
SC02-210RR	2.0	2.0	2.5	2.0	3.0	1.0	1.9

\*Data not included in mean

TABLE 77 ~ SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2005

STRAIN/ VARIETY	PLAINS	STONEVILLE*	MEAN
	GA	MS	
BENNING	2.5	3.0	2.5
HASKELL RR	2.5	3.0	2.5
Au02-1126	3.0	4.0	3.0
Au02-1223	2.5	3.0	2.5
Au02-1233	2.5	2.0	2.5
Au02-2844	3.0	4.0	3.0
G03-1499 RR	2.3	4.0	2.3
G03-2338 RR	2.5	3.0	2.5
G03-397 RR	2.5	3.0	2.5
G03-434 RR	2.5	4.0	2.5
G03-503 RR	2.5	3.0	2.5
G03-541 RR	2.0	4.0	2.0
G03-821 RR	2.8	4.0	2.8
N01-11118	2.8	3.0	2.8
N01-11491	2.8	2.0	2.8
N01-11791	2.8	4.0	2.8
N02-219	2.8	3.0	2.8
N02-566	3.0	3.0	3.0
SC02-020RR	2.5	4.0	2.5
SC02-053RR	2.8	4.0	2.8
SC02-054RR	2.3	4.0	2.3
SC02-176RR	2.8	4.0	2.8
SC02-208RR	2.8	4.0	2.8
SC02-210RR	2.8	4.0	2.8

\*Data not included in mean

## UNIFORM GROUP VIII

2005

Uniform Group VIII nurseries were planted in 11 locations. Data were obtained from 10 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	Prichard × RR	
2. COOK	Braxton × Young	
3. G00-3364	N7001 × Boggs	F7d
4. G00-3880	G3-9201 × Cook	F7d
5. G00-4071	G3-9201 × Cook	F7d
6. G03-695 RR	G94-3117 × H7242 RR	F5d
7. G03-952 RR	G94-3117 × H7242 RR	F5d
8. G04-G2261 RR	G93-2225 (6) × RR	BC6
9. N96-6752	N90-7202 × N7001	F4
10. N97-9612	N7001 × Cook	F4
11. N98-7961	N7001 × NTCPR93-283	F4
12. NTC02AXB-717	N94-7440 × N7101	F4
13. SC00-643RR	SC92-3091 × [Benning × (Hagood × BC1 Resnik RR)]	F5
14. SC01-803RR	SC92-2482 (2) × [Hagood (2) × BC1 Resnik RR]	F5
15. SC01-805RR	SC92-2482 (2) × [Hagood (2) × BC1 Resnik RR]	F5
16. SC01-809RR	SC92-2482 (2) × [Hagood (2) × BC1 Resnik RR]	F5

**TABLE 79 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005**

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD*			PROTEIN			OIL		
			2005	04-05	03-05	2005	04-05	03-05	2005	04-05	03-05
PRICHARD RR	14	11	35.2	35.9	38.6	44.2	43.0	43.1	19.4	19.1	19.0
COOK	5	7	39.1	39.6	42.3	43.3	41.7	42.1	19.6	19.0	19.1
G00-3364	1	4	43.3	43.9	.	43.0	42.2	.	20.1	19.6	.
G00-3880	2	5	41.3	43.9	.	40.6	39.2	.	20.5	20.0	.
G00-4071	6	8	38.5	41.6	.	42.4	40.8	.	20.0	19.7	.
G03-695 RR	10	10	37.7	.	.	44.0	.	.	19.4	.	.
G03-952 RR	7	7	38.4	.	.	42.7	.	.	21.4	.	.
G04-G2261 RR	3	6	39.8	.	.	44.6	.	.	18.9	.	.
N96-6752	11	9	37.6	40.6	42.0	40.4	39.7	39.9	20.3	19.7	19.6
N97-9612	4	6	39.7	41.9	43.5	42.4	40.8	41.2	19.1	18.6	18.7
N98-7961	15	11	34.6	38.6	40.9	40.6	39.7	40.1	21.7	21.0	20.9
NTC02AXB-717	16	15	32.0	.	.	44.4	.	.	17.5	.	.
SC00-643RR	9	8	38.1	39.1	.	43.3	42.3	.	20.8	20.2	.
SC01-803RR	8	9	38.1	.	.	44.8	.	.	19.9	.	.
SC01-805RR	13	11	36.0	.	.	42.6	.	.	20.0	.	.
SC01-809RR	12	9	37.4	.	.	43.0	.	.	20.3	.	.

\*Data not included in mean: 2004 - Tallasee, 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	10/31	2.2	34	1.9	12.5	W	G	T
COOK	3-	1.9	33	2.3	14.8	P	T	T
G00-3364	1-	1.8	31	1.8	15.4	W	T	T
G00-3880	4-	1.7	31	2.1	14.0	P	T	T
G00-4071	1-	1.7	32	1.9	14.0	P	T	T
G03-695 RR	3-	1.8	33	2.3	14.7	W	T	T
G03-952 RR	2-	1.8	33	2.5	15.4	W	G	T
G04-G2261 RR	3-	1.7	31	2.1	13.7	P	T	T
N96-6752	2-	2.3	27	2.4	13.8	P	G	
N97-9612	4-	2.0	31	2.1	14.7	P	G	
N98-7961	3-	2.0	28	2.0	13.7	P	G	
NTC02AXB-717	0	2.0	29	1.5	6.3	P	G	
SC00-643RR	1-	1.8	34	2.0	14.7	W	T	T
SC01-803RR	1-	1.3	33	1.9	13.8	W	G	T
SC01-805RR	3-	1.4	34	2.0	13.7	W	G	T
SC01-809RR	2-	1.2	32	2.5	13.8	W	G	T

TABLE 79 ~ Continued

STRAIN/ VARIETY	PEST REACTIONS					
	SCN 2	SCN 3	SCN 14	SRK GA	PRK GA	SMV
PRICHARD RR	38	27	56	1.0	3.8	R
COOK	47	145	38	2.8	5.0	R
G00-3364	19	1	111	1.0	4.8	M
G00-3880	50	10	17	1.0	4.3	M
G00-4071	25	1	18	1.3	3.0	R
G03-695 RR	19	0	48	1.0	5.0	R
G03-952 RR	68	6	60	1.0	4.8	R
G04-G2261 RR	47	3	46	1.0	4.8	R
N96-6752	104	172	74	5.0	5.0	R
N97-9612	36	45	42	2.5	5.0	R
N98-7961	65	178	45	5.0	4.8	R
NTC02AXB-717	69	37	28	5.0	4.8	R
SC00-643RR	40	1	19	1.0	5.0	R
SC01-803RR	37	0	36	1.5	3.8	R
SC01-805RR	17	1	39	1.5	3.8	R
SC01-809RR	16	4	92	5.0	4.8	R

**TABLE 80 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	33.2
COOK	33.4
G00-3364	30.3
G00-3880	36.3
G00-4071	32.1
G03-695 RR	33.0
G03-952 RR	36.7
G04-G2261 RR	31.7
N96-6752	35.4
N97-9612	41.0
N98-7961	34.4
NTC02AXB-717	31.6
SC00-643RR	31.2
SC01-803RR	33.4
SC01-805RR	31.6
SC01-809RR	37.8
L.S.D. (0.05)	5.6
C.V. (%)	9.9

TABLE 80 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	MEAN
PRICHARD RR	39.9	52.5	25.4	29.0	23.1	18.8	45.0	45.4	30.1	45.0	35.4
COOK	42.5	55.1	27.5	40.7	21.7	20.2	57.2	42.2	26.9	62.1	39.6
G00-3364	55.8	61.8	27.5	52.6	33.9	21.3	59.9	51.9	33.8	47.0	44.6
G00-3880	45.7	58.4	21.9	36.9	26.8	18.9	57.7	53.0	34.7	63.5	41.8
G00-4071	39.3	55.0	30.2	37.2	29.0	14.9	54.0	48.5	28.6	54.4	39.1
G03-695 RR	38.1	51.8	26.2	35.4	27.3	13.5	50.1	56.8	29.5	52.9	38.2
G03-952 RR	43.5	49.7	23.9	40.3	28.1	18.5	54.5	45.6	30.1	51.1	38.5
G04-G2261 RR	49.5	58.7	24.9	42.4	25.9	18.1	58.0	47.7	30.3	50.8	40.6
N96-6752	42.2	59.7	19.1	38.9	27.5	14.6	51.6	42.7	21.3	60.6	37.8
N97-9612	42.2	57.6	29.9	37.8	31.8	15.3	59.1	37.5	24.3	60.1	39.6
N98-7961	40.2	55.3	23.7	34.0	11.0	14.6	53.6	38.7	26.8	48.0	34.6
NTC02AXB-717	33.6	49.3	19.8	28.6	17.1	13.2	48.9	37.5	22.7	50.1	32.1
SC00-643RR	40.6	53.2	29.8	40.9	32.1	16.2	50.1	45.4	31.2	48.0	38.7
SC01-803RR	38.5	53.4	23.5	49.6	25.3	16.4	47.1	49.8	28.9	53.6	38.6
SC01-805RR	38.2	52.6	27.7	42.0	19.6	15.1	51.1	44.4	28.2	46.0	36.5
SC01-809RR	39.8	54.4	25.7	41.7	25.7	15.0	47.3	44.8	31.4	47.7	37.3
L.S.D. (0.05)	6.9	5.6	5.8	9.2	7.1	4.8	5.1	9.8	6.7	8.2	.
C.V. (%)	10.0	6.2	13.7	14.0	16.8	17.3	5.8	12.8	13.9	9.4	.

TABLE 81 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005

STRAIN/ VARIETY	OIL PERCENTAGES									MEAN
	ATHENS GA (A)	ATHENS GA (B)	CLEMSON SC	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	
PRICHARD RR	19.3	20.5	19.9	18.9	18.9	19.3	20.1	18.6	.	19.4
COOK	19.0	21.0	20.6	19.9	18.8	19.0	19.4	19.1	.	19.6
G00-3364	19.5	19.8	20.5	20.3	19.1	19.4	20.1	21.7	.	20.1
G00-3880	19.7	20.6	19.9	20.6	20.2	20.3	20.8	21.6	.	20.5
G00-4071	18.6	20.6	20.9	19.8	19.5	20.5	20.0	20.4	.	20.0
G03-695 RR	17.7	21.4	20.8	18.1	19.2	19.2	19.0	19.4	.	19.4
G03-952 RR	20.1	23.5	22.8	22.1	20.7	21.5	20.5	20.3	.	21.4
G04-G2261 RR	16.6	20.2	19.7	18.3	18.5	18.8	19.6	19.1	.	18.9
N96-6752	19.6	20.8	20.4	20.1	19.5	20.7	20.0	21.0	.	20.3
N97-9612	18.0	20.0	19.5	19.0	18.9	19.4	18.7	19.1	.	19.1
N98-7961	21.0	22.4	21.3	21.5	21.3	22.5	22.0	21.2	.	21.7
NTC02AXB-717	16.3	19.1	18.2	17.0	17.5	17.5	17.9	16.4	.	17.5
SC00-643RR	19.8	22.1	22.4	21.1	19.7	20.2	20.3	20.5	.	20.8
SC01-803RR	17.9	21.9	20.7	19.4	19.3	19.9	20.0	20.4	.	19.9
SC01-805RR	19.1	20.6	20.3	20.8	18.8	20.4	20.1	20.2	.	20.0
SC01-809RR	19.1	22.0	20.7	19.8	19.8	20.3	20.5	20.5	.	20.3

TABLE 81 ~ Continued

STRAIN/ VARIETY	PROTEIN PERCENTAGES									MEAN
	ATHENS GA (A)	ATHENS GA (B)	CLEMSON SC	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	
PRICHARD RR	43.9	41.2	42.9	46.1	42.9	45.8	44.4	46.1	.	44.2
COOK	42.4	39.5	40.4	43.3	44.4	43.6	46.0	46.9	.	43.3
G00-3364	43.4	40.4	40.2	45.2	43.4	44.2	43.9	43.5	.	43.0
G00-3880	40.1	38.3	38.8	42.3	40.9	40.0	42.7	41.5	.	40.6
G00-4071	43.6	40.0	40.0	43.9	42.0	42.8	44.3	42.6	.	42.4
G03-695 RR	44.9	39.2	38.6	45.9	45.1	43.8	45.9	48.9	.	44.0
G03-952 RR	42.7	38.7	39.3	44.2	43.8	42.5	44.7	45.4	.	42.7
G04-G2261 RR	45.5	40.2	40.9	46.5	45.4	44.6	46.6	47.2	.	44.6
N96-6752	40.5	38.2	38.5	43.2	41.2	39.7	42.1	39.9	.	40.4
N97-9612	43.0	39.1	39.6	43.3	41.8	42.1	45.4	44.8	.	42.4
N98-7961	41.3	37.4	39.5	42.3	41.5	38.8	42.4	41.8	.	40.6
NTC02AXB-717	44.2	40.1	41.3	45.3	45.2	45.6	45.9	47.7	.	44.4
SC00-643RR	46.0	39.0	39.4	44.4	44.9	42.8	45.7	44.3	.	43.3
SC01-803RR	46.1	39.7	41.5	47.7	45.3	42.7	47.7	47.7	.	44.8
SC01-805RR	44.0	39.2	41.8	44.8	43.0	43.4	41.3	43.6	.	42.6
SC01-809RR	42.6	39.5	40.8	46.6	42.6	43.5	43.3	44.9	.	43.0

TABLE 81 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED									MEAN
	ATHENS GA (A)	ATHENS GA (B)	CLEMSON SC	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	
PRICHARD RR	11.1	13.8	10.5	9.1	14.1	13.2	.	12.8	15.5	12.5
COOK	12.7	15.4	12.9	11.6	16.6	15.9	.	14.5	18.5	14.8
G00-3364	13.0	16.1	15.0	11.7	16.0	14.6	.	15.0	22.0	15.4
G00-3880	12.6	14.7	10.6	11.3	14.6	15.0	.	14.2	19.0	14.0
G00-4071	12.6	13.8	12.4	10.5	15.6	15.2	.	14.6	17.5	14.0
G03-695 RR	13.4	15.1	12.9	10.6	15.5	14.9	.	16.4	19.0	14.7
G03-952 RR	14.7	15.9	13.1	11.4	16.7	16.6	.	16.1	18.5	15.4
G04-G2261 RR	11.5	14.5	11.0	11.1	14.4	15.6	.	13.5	18.0	13.7
N96-6752	11.9	15.2	12.5	9.7	14.3	15.6	.	13.1	18.0	13.8
N97-9612	12.5	15.2	12.2	11.1	15.6	15.9	.	14.5	20.5	14.7
N98-7961	11.8	14.8	11.6	11.0	15.3	13.8	.	14.1	17.5	13.7
NTC02AXB-717	5.6	6.6	5.8	5.8	0.0	6.9	.	6.7	13.0	6.3
SC00-643RR	14.3	15.2	12.0	11.1	16.5	15.7	.	14.4	18.5	14.7
SC01-803RR	13.2	14.2	11.9	10.9	14.5	15.4	.	13.8	16.5	13.8
SC01-805RR	12.8	13.9	11.1	10.8	15.7	15.1	.	13.9	16.0	13.7
SC01-809RR	13.3	14.4	12.0	11.1	14.7	13.9	.	14.2	17.0	13.8

**TABLE 82 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN PRICHARD RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	11/08
COOK	-4
G00-3364	0
G00-3880	-5
G00-4071	-5
G03-695 RR	-4
03-952 RR	-5
G04-G2261 RR	-4
N96-6752	-3
N97-9612	-7
N98-7961	-6
NTC02AXB-717	-1
SC00-643RR	-1
SC01-803RR	-4
SC01-805RR	-3
SC01-809RR	-5

TABLE 82 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	MEAN
PRICHARD RR	10/24	11/04	.	11/02	10/29	10/26	.	10/26	11/02	10/27	10/29
COOK	-4	-4	.	-8	2	0	.	-6	-8	0	-3
G00-3364	-1	-1	.	-1	2	2	.	-3	-8	-1	-1
G00-3880	-5	-7	.	-9	6	0	.	-6	-8	-1	-4
G00-4071	-4	-2	.	-4	7	1	.	-2	-3	-2	-1
G03-695 RR	-5	-3	.	-9	3	-2	.	-2	-5	-2	-3
G03-952 RR	-4	-4	.	-6	3	1	.	-2	-6	-1	-2
G04-G2261 RR	-10	-4	.	-6	4	1	.	-6	-4	-1	-3
N96-6752	-5	-3	.	-6	5	-3	.	-3	-5	-1	-2
N97-9612	-6	-5	.	-7	2	-1	.	-4	-9	-2	-4
N98-7961	-5	0	.	-4	2	1	.	-5	-6	-2	-2
NTC02AXB-717	-2	0	.	2	2	1	.	-2	0	-4	0
SC00-643RR	-4	-3	.	-3	2	1	.	-2	-2	-2	-2
SC01-803RR	-2	-4	.	-2	9	0	.	-2	-4	-1	-1
SC01-805RR	-4	-5	.	-8	6	0	.	-4	-7	-1	-3
SC01-809RR	2	-4	.	-8	4	1	.	-3	-5	-2	-2

TABLE 83 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	47
COOK	46
G00-3364	45
G00-3880	45
G00-4071	47
G03-695 RR	43
G03-952 RR	45
G04-G2261 RR	43
N96-6752	37
N97-9612	44
N98-7961	40
NTC02AXB-717	41
SC00-643RR	45
SC01-803RR	45
SC01-805RR	46
SC01-809RR	43

TABLE 83 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	BLACKVILLE SC (B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	MEAN
PRICHARD RR	37	33	21	36	27	34	41	41	27	34	33
COOK	34	33	22	38	23	34	39	38	24	33	32
G00-3364	33	31	23	36	22	31	40	31	21	32	30
G00-3880	33	29	19	35	25	29	37	34	22	32	29
G00-4071	32	31	21	34	24	35	38	34	24	34	31
G03-695 RR	33	33	23	35	26	34	38	35	26	32	32
G03-952 RR	34	31	24	38	23	31	41	37	26	33	32
G04-G2261 RR	33	30	21	35	21	32	40	33	22	33	30
N96-6752	29	26	20	32	20	28	33	25	18	25	26
N97-9612	34	29	23	34	27	31	38	31	20	32	30
N98-7961	29	28	19	32	16	30	35	28	21	28	27
NTC02AXB-717	32	26	19	33	20	32	36	27	21	29	27
SC00-643RR	35	31	24	36	29	33	41	35	26	33	32
SC01-803RR	35	30	20	37	22	29	41	39	25	39	32
SC01-805RR	33	32	23	37	26	33	42	39	23	39	33
SC01-809RR	33	30	23	36	25	26	42	34	25	34	31

**TABLE 84 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII,  
2005**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	2.0
COOK	2.2
G00-3364	1.8
G00-3880	2.0
G00-4071	2.0
G03-695 RR	1.7
G03-952 RR	1.8
G04-G2261 RR	2.0
N96-6752	2.0
N97-9612	2.0
N98-7961	2.0
NTC02AXB-717	2.0
SC00-643RR	2.0
SC01-803RR	1.2
SC01-805RR	1.2
SC01-809RR	1.2

TABLE 84 ~ Continued

## SOUTH

STRAIN/ VARIETY	ATHENS GA (A)	ATHENS GA (B)	CLEMSON SC	PLAINS GA	TALLASSEE AL (A)	TALLASSEE AL (B)	TIFTON GA	MEAN
PRICHARD RR	1.7	2.3	3.0	2.7	1.0	1.0	4.0	2.2
COOK	1.0	1.7	2.7	3.0	1.0	1.0	2.7	1.9
G00-3364	1.0	1.7	2.5	2.0	1.0	1.0	3.7	1.8
G00-3880	1.0	1.3	2.2	2.0	1.0	1.0	3.3	1.7
G00-4071	1.0	1.0	2.8	2.0	1.0	1.0	3.0	1.7
G03-695 RR	1.0	1.7	3.2	2.0	1.0	1.0	2.7	1.8
G03-952 RR	1.0	1.7	3.0	2.0	1.0	1.0	3.0	1.8
G04-G2261 RR	1.3	1.3	2.7	1.7	1.0	1.0	2.3	1.6
N96-6752	1.0	2.3	3.2	3.3	1.0	1.0	4.3	2.3
N97-9612	1.3	1.7	2.5	3.0	1.0	1.0	3.3	2.0
N98-7961	1.0	2.7	2.3	2.3	1.0	1.0	3.7	2.0
NTC02AXB-717	1.3	1.3	3.3	2.7	1.0	1.0	3.7	2.0
SC00-643RR	1.0	1.3	2.8	2.0	1.0	1.0	3.0	1.7
SC01-803RR	1.0	1.0	2.0	2.0	1.0	1.0	1.3	1.3
SC01-805RR	1.0	1.0	2.2	2.0	1.0	1.0	2.0	1.5
SC01-809RR	1.0	1.0	1.3	1.7	1.0	1.0	1.3	1.2

TABLE 85 ~ SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2005

## SOUTH

STRAIN/ VARIETY	ATHENS	ATHENS	PLAINS	TALLASSEE	TIFTON	MEAN
	GA (A)	GA (B)	GA	AL (B)	GA	
PRICHARD RR	2.0	1.8	2.3	1.5	1.7	1.9
COOK	2.2	1.8	3.2	1.7	2.7	2.3
G00-3364	1.8	1.7	2.2	1.5	2.0	1.8
G00-3880	2.0	1.8	2.8	1.8	2.0	2.1
G00-4071	2.2	1.7	2.3	1.8	1.7	1.9
G03-695 RR	2.0	1.8	2.8	2.0	2.7	2.3
G03-952 RR	2.3	2.0	3.0	2.3	2.7	2.5
G04-G2261 RR	1.8	1.5	3.2	1.7	2.3	2.1
N96-6752	2.0	1.8	2.7	2.0	3.7	2.4
N97-9612	2.0	1.5	2.7	1.8	2.3	2.1
N98-7961	2.0	1.7	2.7	1.2	2.3	2.0
NTC02AXB-717	1.5	1.5	2.0	1.0	1.7	1.5
SC00-643RR	1.8	1.7	2.7	2.0	2.0	2.0
SC01-803RR	1.8	1.7	2.7	1.5	2.0	1.9
SC01-805RR	2.0	1.5	2.2	2.2	2.0	2.0
SC01-809RR	2.2	1.7	3.0	2.7	3.0	2.5

**PRELIMINARY GROUP VIII****2005**

**Preliminary Group VIII nurseries were planted at 7 locations. Data were obtained from 6 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, 2005

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	Prichard × RR	
2. COOK	Braxton × Young	
3. Au02-2814	NC-Raleigh × G92-1110	F5
4. Au02-3223	NC-Raleigh × G92-1110	F5
5. G03-1150	G95-346 × H7242 RR	F5d
6. G03-680 RR	G94-3117 × H7242 RR	F5d
7. G03-681 RR	G94-3117 × H7242 RR	F5d
8. G03-762 RR	G94-3117 × H7242 RR	F5d
9. G03-825 RR	G94-3117 × H7242 RR	F5d
10. G03-889 RR	G94-3117 × H7242 RR	F5d
11. G03-899 RR	G94-3117 × H7242 RR	F5d
12. N00-377	Au92-916 × N90-845	F4
13. N01-11832	Graham × N96-7031	F4
14. SC02-123RR	SC92-3091 × [Maxcy × {Benning × (Hagood × BC1 Resnik	F5
15. SC02-134RR	SC92-3091 × [Maxcy × {Benning × (Hagood × BC1 Resnik	F5
16. SC02-135RR	SC92-3091 × [Maxcy × {Benning × (Hagood × BC1 Resnik	F5
17. SC02-147RR	Musen × [Musen × {SC92-2482 × (Benning (Hagood × BC1	F5
18. SC02-163RR	Musen × [Musen × {SC92-2482 × (Benning (Hagood × BC1	F5
19. SC02-211RR	Santee × [SC92-2482 (2) × {HAGOOD (2) × BC1 Resnik R	F5
20. SC02-212RR	Santee × [SC92-2482 (2) × {HAGOOD (2) × BC1 Resnik R	F5

**TABLE 87 ~ GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005 ~ MEAN OF 6 LOCATIONS**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14	FL	PUB.	POD
	YIELD	RANK	RANK	INDEX					PROTEIN	OIL				COLOR	COLOR	COLOR
PRICHARD RR	41.1	20	7	11/02	2.6	42	1.9	13.0	44.0	19.8	45	15	23	W	G	T
COOK	48.2+	4	5	5-	2.5	38	2.7	15.6	42.6-	19.7	52	85	27	P	T	T
Au02-2814	49.1+	3	5	2-	1.8	35	2.2	13.5	38.1-	22.8+	44	78	45	W	T	T
Au02-3223	47.0+	5	5	2-	1.8	37	2.3	14.7	40.4-	20.9+	72	36	44	W	T	T
G03-1150	44.4	10	6	1-	2.1	39	1.8	14.4	41.4-	20.9+	28	3	27	P	T	T
G03-680 RR	45.8	7	6	5-	2.3	42	2.5	13.7	42.2-	20.7+	38	8	24	P	G	T
G03-681 RR	43.7	15	7	4-	2.0	41	2.0	14.2	41.8-	20.6+	44	4	32	P	T	T
G03-762 RR	44.3	11	6	7-	1.8	35	2.2	13.9	41.6-	20.0	34	5	55	P	T	T
G03-825 RR	49.7+	2	5	4-	1.3	37	2.0	14.4	40.3-	20.1	41	4	41	P	G	T
G03-889 RR	46.0+	6	6	4-	1.9	38	2.0	14.8	40.9-	21.1+	48	2	34	P	T	T
G03-899 RR	45.4	8	6	4-	1.9	38	2.3	14.4	44.0	19.5	38	2	31	P	T	T
N00-377	50.5+	1	5	0	1.7	34	2.3	16.4	42.0-	20.8+	61	116	47	P	G	
N01-11832	43.4	16	7	2-	1.9	37	2.3	13.7	39.1-	20.7+	67	116	30	P	G	
SC02-123RR	41.5	19	7	0	2.2	39	2.2	15.2	45.2+	20.2	20	7	47	P	T	T
SC02-134RR	43.8	14	7	1-	1.9	39	2.1	13.9	45.8+	20.2	38	4	22	P	T	T
SC02-135RR	42.5	17	7	1+	2.3	43	2.3	13.9	42.2-	21.6+	31	12	72	P	T	T
SC02-147RR	43.8	14	6	2+	2.5	41	2.3	12.9	40.4-	19.6	37	29	25	W	G	T
SC02-163RR	45.0	9	6	0	2.3	41	2.0	13.1	41.5-	19.4	58	22	24	W	G	T
SC02-211RR	44.2	12	7	2-	2.6	39	1.9	14.9	42.6-	20.3	32	2	67	W	G	T
SC02-212RR	41.6	18	7	3-	2.3	41	1.8	15.9	42.0-	21.0+	35	4	57	W	G	T
OVERALL MEAN	45.1								41.9	20.5						
LSD (.05)	4.8								1.1	0.6						
C.V.	9%								2%	3%						

**TABLE 88 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005**

STRAIN/ VARIETY	ATHENS	BLACKVILLE	FLORENCE	KINSTON	PLAINS	TALLASSEE	MEAN
	GA (A)	SC (A)	SC	NC	GA	AL (A)	
PRICHARD RR	56.6	36.5	24.8	36.4	44.1	48.5	41.1
COOK	71.1	38.7	23.6	46.8+	52.3+	56.9	48.2+
Au02-2814	75.0+	31.6	21.6	45.8+	62.3+	58.6+	49.1+
Au02-3223	70.3	39.9	22.3	41.7	55.0+	52.7	47.0+
G03-1150	73.3	42.2	18.3-	36.1	49.0	47.3	44.4
G03-680 RR	71.1	37.2	19.3-	41.2	53.1+	53.0	45.8
G03-681 RR	68.6	39.2	21.4	37.3	50.6	44.9	43.7
G03-762 RR	63.7	36.9	21.9	38.0	50.5	55.1	44.3
G03-825 RR	75.2+	42.6	18.4-	48.6+	61.8+	51.6	49.7+
G03-889 RR	71.2	39.0	21.8	44.1+	53.0+	47.2	46.0+
G03-899 RR	72.1	32.0	17.0-	43.5	52.6+	55.4	45.4
N00-377	77.0+	45.9+	21.8	42.0	61.7+	54.6	50.5+
N01-11832	68.8	35.7	15.7-	38.8	60.9+	40.2	43.4
SC02-123RR	63.1	37.2	22.6	40.2	45.0	41.1	41.5
SC02-134RR	71.6	36.8	23.2	38.1	41.8	51.3	43.8
SC02-135RR	58.4	38.6	20.4-	38.7	44.7	54.1	42.5
SC02-147RR	62.4	40.3	18.1-	40.2	49.3	52.6	43.8
SC02-163RR	69.9	45.1+	20.2-	32.7	49.7	52.3	45.0
SC02-211RR	75.5+	34.7	19.3-	35.1	51.3+	49.2	44.2
SC02-212RR	64.3	37.8	16.2-	33.5	47.7	50.2	41.6
L.S.D. (0.05)	17.3	7.0	4.1	7.6	6.6	8.8	4.8
C.V. (%)	12.0	8.8	9.6	9.1	6.1	8.3	9.3

**TABLE 89 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005**

STRAIN/ VARIETY	ATHENS GA (A)	BLACKVILLE SC (A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
PRICHARD RR	20.9	19.9	20.0	19.1	19.8	19.0	19.8
COOK	19.8	21.1	19.8	19.0	19.5	19.1	19.7
Au02-2814	23.0	23.5	22.4	22.9	22.8	22.3	22.8
Au02-3223	21.4	22.1	20.9	21.1	19.2	20.7	20.9
G03-1150	22.0	20.6	20.7	20.9	20.1	20.8	20.9
G03-680 RR	21.1	21.9	19.9	21.0	20.5	20.0	20.7
G03-681 RR	21.9	21.3	20.0	20.5	20.1	19.7	20.6
G03-762 RR	18.9	20.7	20.0	19.9	20.1	20.5	20.0
G03-825 RR	19.8	21.7	20.2	19.3	19.9	19.7	20.1
G03-889 RR	20.3	22.4	21.4	20.8	20.8	20.7	21.1
G03-899 RR	19.3	20.1	19.3	18.7	19.5	19.8	19.5
N00-377	21.6	21.2	20.4	20.8	20.7	20.2	20.8
N01-11832	20.4	22.1	20.5	20.3	20.9	20.1	20.7
SC02-123RR	21.2	20.2	20.4	19.7	19.4	20.4	20.2
SC02-134RR	21.1	20.7	20.1	19.5	19.2	20.3	20.2
SC02-135RR	22.0	21.9	21.7	22.2	20.9	21.0	21.6
SC02-147RR	20.5	20.0	19.1	19.3	19.8	19.1	19.6
SC02-163RR	20.1	20.3	19.0	18.4	19.7	18.8	19.4
SC02-211RR	21.0	20.9	20.2	19.4	19.4	20.6	20.3
SC02-212RR	21.5	22.6	21.0	19.4	21.0	20.4	21.0

**TABLE 90 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005**

STRAIN/ VARIETY	ATHENS GA (A)	BLACKVILLE SC (A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
PRICHARD RR	41.7	42.6	44.1	46.1	44.1	45.1	44.0
COOK	41.3	40.3	43.1	42.7	43.8	44.3	42.6
Au02-2814	36.1	36.7	39.4	38.2	38.3	40.0	38.1
Au02-3223	38.4	37.5	41.7	41.3	40.8	42.5	40.4
G03-1150	38.2	40.3	43.1	42.4	42.0	42.5	41.4
G03-680 RR	40.9	39.4	44.3	42.8	42.3	43.6	42.2
G03-681 RR	39.0	39.3	44.7	43.7	42.0	42.0	41.8
G03-762 RR	40.1	40.2	42.1	41.7	42.1	43.1	41.6
G03-825 RR	39.2	38.3	40.0	41.7	41.1	41.6	40.3
G03-889 RR	39.8	38.3	41.1	42.7	41.0	42.5	40.9
G03-899 RR	42.0	42.4	44.8	45.6	45.6	43.3	44.0
N00-377	40.1	39.4	42.9	42.3	43.0	44.1	42.0
N01-11832	38.5	35.9	41.3	39.8	38.7	40.2	39.1
SC02-123RR	42.2	42.2	46.9	45.9	45.3	48.5	45.2
SC02-134RR	43.9	42.1	48.1	47.6	47.7	45.5	45.8
SC02-135RR	39.7	41.2	43.5	41.2	42.8	44.5	42.2
SC02-147RR	37.9	39.3	41.3	42.0	39.8	42.3	40.4
SC02-163RR	39.3	39.3	41.7	43.8	41.1	43.7	41.5
SC02-211RR	41.4	41.8	44.9	41.7	42.1	43.7	42.6
SC02-212RR	40.7	38.3	45.2	40.7	42.5	44.6	42.0

TABLE 91 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005

STRAIN/ VARIETY	ATHENS GA (A)	BLACKVILLE SC (A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
PRICHARD RR	14.4	11.7	9.8	13.1	13.8	15.3	13.0
COOK	17.0	13.9	11.1	15.4	17.8	18.1	15.6
Au02-2814	14.3	12.6	9.5	13.4	14.2	16.8	13.5
Au02-3223	15.9	13.4	10.2	14.3	16.9	17.5	14.7
G03-1150	15.3	14.5	11.3	14.2	13.4	17.5	14.4
G03-680 RR	15.1	12.8	9.7	14.5	14.3	16.0	13.7
G03-681 RR	15.1	12.9	11.4	14.2	14.7	16.8	14.2
G03-762 RR	15.0	12.8	10.8	14.2	13.8	17.0	13.9
G03-825 RR	15.9	13.6	10.3	14.2	14.4	17.8	14.4
G03-889 RR	16.8	13.7	10.9	15.3	15.2	16.9	14.8
G03-899 RR	16.4	12.8	9.4	14.4	15.7	17.6	14.4
N00-377	18.6	15.4	11.2	15.6	18.6	18.7	16.4
N01-11832	15.5	12.3	9.5	13.3	15.0	16.8	13.7
SC02-123RR	16.5	14.9	12.7	15.2	14.6	17.1	15.2
SC02-134RR	16.3	13.4	12.1	14.5	13.4	.	13.9
SC02-135RR	15.3	12.9	10.7	13.3	13.4	17.6	13.9
SC02-147RR	13.9	12.4	10.4	13.5	12.4	15.1	12.9
SC02-163RR	14.3	12.9	10.0	13.3	13.3	14.8	13.1
SC02-211RR	17.0	14.6	11.4	15.0	15.2	16.5	14.9
SC02-212RR	18.5	13.5	11.8	16.6	16.6	18.7	15.9

**TABLE 92 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005**

STRAIN/ VARIETY	ATHENS GA (A)	BLACKVILLE SC (A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
PRICHARD RR	39	41	39	51	42	43	42
COOK	40	35	37	46	35	34	38
Au02-2814	34	33	33	43	37	32	35
Au02-3223	35	35	36	45	42	33	37
G03-1150	39	36	37	47	40	33	39
G03-680 RR	41	37	44	48	41	40	42
G03-681 RR	41	38	43	48	37	40	41
G03-762 RR	32	35	31	45	39	31	35
G03-825 RR	35	34	36	45	41	35	37
G03-889 RR	38	35	39	44	40	36	38
G03-899 RR	38	35	37	46	38	35	38
N00-377	35	33	31	43	38	27	34
N01-11832	33	36	35	47	39	32	37
SC02-123RR	39	37	38	46	42	35	39
SC02-134RR	37	36	40	49	41	34	39
SC02-135RR	43	37	41	53	47	40	43
SC02-147RR	44	36	38	48	44	39	41
SC02-163RR	38	38	42	47	45	37	41
SC02-211RR	40	37	39	47	40	33	39
SC02-212RR	38	40	37	49	43	39	41

**TABLE 93 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2005**

STRAIN/ VARIETY	ATHENS	BLACKVILLE	KINSTON	PLAINS	TALLASSEE	MEAN
	GA (A)	SC (A)	NC	GA	AL (A)	
PRICHARD RR	2.0	2.8	4.0	3.0	1.0	2.6
COOK	2.0	2.5	3.5	3.5	1.0	2.5
Au02-2814	1.0	2.3	2.5	2.0	1.0	1.8
Au02-3223	1.5	2.5	2.5	1.5	1.0	1.8
G03-1150	2.0	3.0	2.5	2.0	1.0	2.1
G03-680 RR	1.5	3.3	3.0	2.5	1.0	2.3
G03-681 RR	1.5	2.3	2.5	2.5	1.0	2.0
G03-762 RR	1.0	2.5	2.5	2.0	1.0	1.8
G03-825 RR	1.0	2.0	1.5	1.0	1.0	1.3
G03-889 RR	1.5	2.3	2.5	2.0	1.0	1.9
G03-899 RR	1.5	2.5	2.5	2.0	1.0	1.9
N00-377	1.0	1.5	3.0	2.0	1.0	1.7
N01-11832	1.0	3.0	2.5	2.0	1.0	1.9
SC02-123RR	2.0	2.8	3.0	2.0	1.0	2.2
SC02-134RR	1.5	2.5	2.5	2.0	1.0	1.9
SC02-135RR	2.0	2.3	3.5	2.5	1.0	2.3
SC02-147RR	3.0	2.3	3.5	2.5	1.0	2.5
SC02-163RR	2.5	2.3	3.0	2.5	1.0	2.3
SC02-211RR	2.5	3.0	3.5	3.0	1.0	2.6
SC02-212RR	2.0	2.3	3.5	2.5	1.0	2.3

TABLE 94 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII,  
2005

STRAIN/ VARIETY	ATHENS GA (A)	PLAINS GA	TALLASSEE AL (A)	MEAN
PRICHARD RR	2.0	2.8	1.0	1.9
COOK	2.5	3.0	2.5	2.7
Au02-2814	2.3	2.3	2.0	2.2
Au02-3223	2.3	2.8	2.0	2.3
G03-1150	2.0	2.5	1.0	1.8
G03-680 RR	2.5	3.0	2.0	2.5
G03-681 RR	1.8	2.3	2.0	2.0
G03-762 RR	2.3	2.8	1.5	2.2
G03-825 RR	2.0	2.8	1.3	2.0
G03-889 RR	2.0	2.3	1.8	2.0
G03-899 RR	2.0	3.0	2.0	2.3
N00-377	2.0	3.0	2.0	2.3
N01-11832	2.3	2.5	2.3	2.3
SC02-123RR	2.0	2.8	1.8	2.2
SC02-134RR	1.5	2.8	.	2.1
SC02-135RR	2.3	2.8	1.8	2.3
SC02-147RR	2.3	2.8	1.8	2.3
SC02-163RR	2.0	2.5	1.5	2.0
SC02-211RR	2.0	2.8	1.0	1.9
SC02-212RR	1.8	2.8	1.0	1.8